



Appendix A.35

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 30_S_20M_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant6	Ant2	Sum	Ant6	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3710.01	Edge_1RB_Left	22.67	/	/	24.02	/	/	<=30	Pass
		Edge_1RB_Right	22.81	/	/	24.16	/	/	<=30	Pass
		Outer_Full	25.84	/	/	27.19	/	/	<=30	Pass
		Inner_Full	26.38	/	/	27.73	/	/	<=30	Pass
		Inner_1RB_Left	26.22	/	/	27.57	/	/	<=30	Pass
		Inner_1RB_Right	26.30	/	/	27.65	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.54	/	/	23.89	/	/	<=30	Pass
		Edge_1RB_Right	22.30	/	/	23.65	/	/	<=30	Pass
		Outer_Full	25.64	/	/	26.99	/	/	<=30	Pass
		Inner_Full	26.19	/	/	27.54	/	/	<=30	Pass
		Inner_1RB_Left	26.16	/	/	27.51	/	/	<=30	Pass
		Inner_1RB_Right	25.85	/	/	27.20	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	22.46	/	/	23.81	/	/	<=30	Pass
		Edge_1RB_Right	22.70	/	/	24.05	/	/	<=30	Pass
		Outer_Full	25.67	/	/	27.02	/	/	<=30	Pass
		Inner_Full	26.17	/	/	27.52	/	/	<=30	Pass
		Inner_1RB_Left	25.94	/	/	27.29	/	/	<=30	Pass
		Inner_1RB_Right	26.18	/	/	27.53	/	/	<=30	Pass
DFT-s-OFDM QPSK	3710.01	Edge_1RB_Left	22.61	/	/	23.96	/	/	<=30	Pass
		Edge_1RB_Right	22.84	/	/	24.19	/	/	<=30	Pass
		Outer_Full	25.42	/	/	26.77	/	/	<=30	Pass
		Inner_Full	26.37	/	/	27.72	/	/	<=30	Pass
		Inner_1RB_Left	26.15	/	/	27.50	/	/	<=30	Pass
		Inner_1RB_Right	26.31	/	/	27.66	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.66	/	/	24.01	/	/	<=30	Pass
		Edge_1RB_Right	22.30	/	/	23.65	/	/	<=30	Pass
		Outer_Full	25.05	/	/	26.40	/	/	<=30	Pass
		Inner_Full	26.13	/	/	27.48	/	/	<=30	Pass
		Inner_1RB_Left	26.02	/	/	27.37	/	/	<=30	Pass
		Inner_1RB_Right	25.68	/	/	27.03	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	22.46	/	/	23.81	/	/	<=30	Pass
		Edge_1RB_Right	22.72	/	/	24.07	/	/	<=30	Pass
		Outer_Full	25.18	/	/	26.53	/	/	<=30	Pass
		Inner_Full	26.13	/	/	27.48	/	/	<=30	Pass
		Inner_1RB_Left	26.01	/	/	27.36	/	/	<=30	Pass
		Inner_1RB_Right	26.25	/	/	27.60	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3710.01	Edge_1RB_Left	22.67	/	/	24.02	/	/	<=30	Pass
		Edge_1RB_Right	22.88	/	/	24.23	/	/	<=30	Pass
		Outer_Full	24.23	/	/	25.58	/	/	<=30	Pass
		Inner_Full	25.37	/	/	26.72	/	/	<=30	Pass

		Inner_1RB_Left	25.25	/	/	26.60	/	/	<=30	Pass
		Inner_1RB_Right	25.41	/	/	26.76	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.56	/	/	23.91	/	/	<=30	Pass
		Edge_1RB_Right	22.20	/	/	23.55	/	/	<=30	Pass
		Outer_Full	24.23	/	/	25.58	/	/	<=30	Pass
		Inner_Full	25.19	/	/	26.54	/	/	<=30	Pass
		Inner_1RB_Left	25.02	/	/	26.37	/	/	<=30	Pass
		Inner_1RB_Right	24.73	/	/	26.08	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	22.48	/	/	23.83	/	/	<=30	Pass
		Edge_1RB_Right	22.56	/	/	23.91	/	/	<=30	Pass
		Outer_Full	24.12	/	/	25.47	/	/	<=30	Pass
		Inner_Full	25.21	/	/	26.56	/	/	<=30	Pass
		Inner_1RB_Left	25.12	/	/	26.47	/	/	<=30	Pass
		Inner_1RB_Right	25.28	/	/	26.63	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3710.01	Edge_1RB_Left	22.91	/	/	24.26	/	/	<=30	Pass
		Edge_1RB_Right	22.93	/	/	24.28	/	/	<=30	Pass
		Outer_Full	23.84	/	/	25.19	/	/	<=30	Pass
		Inner_Full	23.85	/	/	25.20	/	/	<=30	Pass
		Inner_1RB_Left	23.84	/	/	25.19	/	/	<=30	Pass
		Inner_1RB_Right	24.02	/	/	25.37	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.78	/	/	24.13	/	/	<=30	Pass
		Edge_1RB_Right	22.41	/	/	23.76	/	/	<=30	Pass
		Outer_Full	23.68	/	/	25.03	/	/	<=30	Pass
		Inner_Full	23.65	/	/	25.00	/	/	<=30	Pass
		Inner_1RB_Left	23.71	/	/	25.06	/	/	<=30	Pass
		Inner_1RB_Right	23.39	/	/	24.74	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	22.73	/	/	24.08	/	/	<=30	Pass
		Edge_1RB_Right	22.95	/	/	24.30	/	/	<=30	Pass
		Outer_Full	23.66	/	/	25.01	/	/	<=30	Pass
		Inner_Full	23.65	/	/	25.00	/	/	<=30	Pass
		Inner_1RB_Left	23.59	/	/	24.94	/	/	<=30	Pass
		Inner_1RB_Right	23.86	/	/	25.21	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3710.01	Edge_1RB_Left	21.67	/	/	23.02	/	/	<=30	Pass
		Edge_1RB_Right	21.78	/	/	23.13	/	/	<=30	Pass
		Outer_Full	21.80	/	/	23.15	/	/	<=30	Pass
		Inner_Full	21.84	/	/	23.19	/	/	<=30	Pass
		Inner_1RB_Left	21.80	/	/	23.15	/	/	<=30	Pass
		Inner_1RB_Right	21.77	/	/	23.12	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.69	/	/	23.04	/	/	<=30	Pass
		Edge_1RB_Right	21.27	/	/	22.62	/	/	<=30	Pass
		Outer_Full	21.70	/	/	23.05	/	/	<=30	Pass
		Inner_Full	21.60	/	/	22.95	/	/	<=30	Pass
		Inner_1RB_Left	21.55	/	/	22.90	/	/	<=30	Pass
		Inner_1RB_Right	21.37	/	/	22.72	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	21.48	/	/	22.83	/	/	<=30	Pass
		Edge_1RB_Right	21.56	/	/	22.91	/	/	<=30	Pass
		Outer_Full	21.52	/	/	22.87	/	/	<=30	Pass
		Inner_Full	21.59	/	/	22.94	/	/	<=30	Pass
		Inner_1RB_Left	21.50	/	/	22.85	/	/	<=30	Pass
		Inner_1RB_Right	21.66	/	/	23.01	/	/	<=30	Pass
CP-OFDM QPSK	3710.01	Edge_1RB_Left	22.73	/	/	24.08	/	/	<=30	Pass
		Edge_1RB_Right	23.03	/	/	24.38	/	/	<=30	Pass
		Outer_Full	23.33	/	/	24.68	/	/	<=30	Pass

		Inner Full	24.90	/	/	26.25	/	/	<=30	Pass
		Inner 1RB Left	24.77	/	/	26.12	/	/	<=30	Pass
		Inner 1RB Right	24.87	/	/	26.22	/	/	<=30	Pass
	3840	Edge 1RB Left	22.76	/	/	24.11	/	/	<=30	Pass
		Edge 1RB Right	22.43	/	/	23.78	/	/	<=30	Pass
		Outer Full	23.09	/	/	24.44	/	/	<=30	Pass
		Inner Full	24.72	/	/	26.07	/	/	<=30	Pass
		Inner 1RB Left	24.64	/	/	25.99	/	/	<=30	Pass
		Inner 1RB Right	24.32	/	/	25.67	/	/	<=30	Pass
	3969.99	Edge 1RB Left	22.49	/	/	23.84	/	/	<=30	Pass
		Edge 1RB Right	22.79	/	/	24.14	/	/	<=30	Pass
		Outer Full	23.18	/	/	24.53	/	/	<=30	Pass
		Inner Full	24.69	/	/	26.04	/	/	<=30	Pass
		Inner 1RB Left	24.55	/	/	25.90	/	/	<=30	Pass
		Inner 1RB Right	24.83	/	/	26.18	/	/	<=30	Pass
CP-OFDM 16 QAM	3710.01	Edge 1RB Left	22.67	/	/	24.02	/	/	<=30	Pass
		Edge 1RB Right	22.81	/	/	24.16	/	/	<=30	Pass
		Outer Full	23.41	/	/	24.76	/	/	<=30	Pass
		Inner Full	24.26	/	/	25.61	/	/	<=30	Pass
		Inner 1RB Left	24.29	/	/	25.64	/	/	<=30	Pass
		Inner 1RB Right	24.39	/	/	25.74	/	/	<=30	Pass
	3840	Edge 1RB Left	22.51	/	/	23.86	/	/	<=30	Pass
		Edge 1RB Right	22.29	/	/	23.64	/	/	<=30	Pass
		Outer Full	23.07	/	/	24.42	/	/	<=30	Pass
		Inner Full	24.05	/	/	25.40	/	/	<=30	Pass
		Inner 1RB Left	24.23	/	/	25.58	/	/	<=30	Pass
		Inner 1RB Right	23.93	/	/	25.28	/	/	<=30	Pass
	3969.99	Edge 1RB Left	22.54	/	/	23.89	/	/	<=30	Pass
		Edge 1RB Right	22.63	/	/	23.98	/	/	<=30	Pass
		Outer Full	23.16	/	/	24.51	/	/	<=30	Pass
		Inner Full	24.23	/	/	25.58	/	/	<=30	Pass
		Inner 1RB Left	24.08	/	/	25.43	/	/	<=30	Pass
		Inner 1RB Right	24.28	/	/	25.63	/	/	<=30	Pass
CP-OFDM 64 QAM	3710.01	Edge 1RB Left	22.85	/	/	24.20	/	/	<=30	Pass
		Edge 1RB Right	22.98	/	/	24.33	/	/	<=30	Pass
		Outer Full	22.84	/	/	24.19	/	/	<=30	Pass
		Inner Full	22.79	/	/	24.14	/	/	<=30	Pass
		Inner 1RB Left	22.84	/	/	24.19	/	/	<=30	Pass
		Inner 1RB Right	23.04	/	/	24.39	/	/	<=30	Pass
	3840	Edge 1RB Left	22.72	/	/	24.07	/	/	<=30	Pass
		Edge 1RB Right	22.50	/	/	23.85	/	/	<=30	Pass
		Outer Full	22.53	/	/	23.88	/	/	<=30	Pass
		Inner Full	22.51	/	/	23.86	/	/	<=30	Pass
		Inner 1RB Left	22.72	/	/	24.07	/	/	<=30	Pass
		Inner 1RB Right	22.45	/	/	23.80	/	/	<=30	Pass
	3969.99	Edge 1RB Left	22.72	/	/	24.07	/	/	<=30	Pass
		Edge 1RB Right	22.92	/	/	24.27	/	/	<=30	Pass
		Outer Full	22.54	/	/	23.89	/	/	<=30	Pass
		Inner Full	22.71	/	/	24.06	/	/	<=30	Pass
		Inner 1RB Left	22.63	/	/	23.98	/	/	<=30	Pass
		Inner 1RB Right	22.91	/	/	24.26	/	/	<=30	Pass
CP-OFDM 256 QAM	3710.01	Edge 1RB Left	19.86	/	/	21.21	/	/	<=30	Pass
		Edge 1RB Right	19.97	/	/	21.32	/	/	<=30	Pass

		Outer_Full	19.67	/	/	21.02	/	/	<=30	Pass
		Inner_Full	19.80	/	/	21.15	/	/	<=30	Pass
		Inner_1RB_Left	19.74	/	/	21.09	/	/	<=30	Pass
		Inner_1RB_Right	19.92	/	/	21.27	/	/	<=30	Pass
	3840	Edge_1RB_Left	19.71	/	/	21.06	/	/	<=30	Pass
		Edge_1RB_Right	19.45	/	/	20.80	/	/	<=30	Pass
		Outer_Full	19.53	/	/	20.88	/	/	<=30	Pass
		Inner_Full	19.63	/	/	20.98	/	/	<=30	Pass
	3969.99	Inner_1RB_Left	19.73	/	/	21.08	/	/	<=30	Pass
		Inner_1RB_Right	19.32	/	/	20.67	/	/	<=30	Pass
		Edge_1RB_Left	19.56	/	/	20.91	/	/	<=30	Pass
		Edge_1RB_Right	19.83	/	/	21.18	/	/	<=30	Pass
		Outer_Full	19.71	/	/	21.06	/	/	<=30	Pass
		Inner_Full	19.68	/	/	21.03	/	/	<=30	Pass
		Inner_1RB_Left	19.59	/	/	20.94	/	/	<=30	Pass
		Inner_1RB_Right	19.84	/	/	21.19	/	/	<=30	Pass

Note1: Antenna Gain: Ant6: 1.35dBi;
Note2: EIRP=Conducted Power+Antenna Gain

1.1.2 30_S_30M_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 30MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant6	Ant2	Sum	Ant6	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3715.02	Edge_1RB_Left	22.66	/	/	24.01	/	/	<=30	Pass
		Edge_1RB_Right	22.70	/	/	24.05	/	/	<=30	Pass
		Outer_Full	25.93	/	/	27.28	/	/	<=30	Pass
		Inner_Full	26.39	/	/	27.74	/	/	<=30	Pass
		Inner_1RB_Left	26.17	/	/	27.52	/	/	<=30	Pass
		Inner_1RB_Right	26.32	/	/	27.67	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.65	/	/	24.00	/	/	<=30	Pass
		Edge_1RB_Right	22.40	/	/	23.75	/	/	<=30	Pass
		Outer_Full	25.61	/	/	26.96	/	/	<=30	Pass
		Inner_Full	26.11	/	/	27.46	/	/	<=30	Pass
		Inner_1RB_Left	26.12	/	/	27.47	/	/	<=30	Pass
		Inner_1RB_Right	25.91	/	/	27.26	/	/	<=30	Pass
	3964.98	Edge_1RB_Left	22.63	/	/	23.98	/	/	<=30	Pass
		Edge_1RB_Right	22.58	/	/	23.93	/	/	<=30	Pass
		Outer_Full	25.69	/	/	27.04	/	/	<=30	Pass
		Inner_Full	25.99	/	/	27.34	/	/	<=30	Pass
		Inner_1RB_Left	26.26	/	/	27.61	/	/	<=30	Pass
		Inner_1RB_Right	26.21	/	/	27.56	/	/	<=30	Pass
DFT-s-OFDM QPSK	3715.02	Edge_1RB_Left	22.70	/	/	24.05	/	/	<=30	Pass
		Edge_1RB_Right	22.65	/	/	24.00	/	/	<=30	Pass
		Outer_Full	25.39	/	/	26.74	/	/	<=30	Pass
		Inner_Full	26.38	/	/	27.73	/	/	<=30	Pass
		Inner_1RB_Left	26.21	/	/	27.56	/	/	<=30	Pass
		Inner_1RB_Right	26.30	/	/	27.65	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.56	/	/	23.91	/	/	<=30	Pass
		Edge_1RB_Right	22.33	/	/	23.68	/	/	<=30	Pass
		Outer_Full	25.08	/	/	26.43	/	/	<=30	Pass

		Inner Full	26.11	/	/	27.46	/	/	<=30	Pass
		Inner 1RB Left	25.98	/	/	27.33	/	/	<=30	Pass
		Inner 1RB Right	25.82	/	/	27.17	/	/	<=30	Pass
	3964.98	Edge 1RB Left	22.77	/	/	24.12	/	/	<=30	Pass
		Edge 1RB Right	22.71	/	/	24.06	/	/	<=30	Pass
		Outer Full	25.12	/	/	26.47	/	/	<=30	Pass
		Inner Full	26.16	/	/	27.51	/	/	<=30	Pass
		Inner 1RB Left	26.22	/	/	27.57	/	/	<=30	Pass
		Inner 1RB Right	26.12	/	/	27.47	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3715.02	Edge 1RB Left	22.65	/	/	24.00	/	/	<=30	Pass
		Edge 1RB Right	22.59	/	/	23.94	/	/	<=30	Pass
		Outer Full	24.44	/	/	25.79	/	/	<=30	Pass
		Inner Full	25.42	/	/	26.77	/	/	<=30	Pass
		Inner 1RB Left	25.01	/	/	26.36	/	/	<=30	Pass
		Inner 1RB Right	25.00	/	/	26.35	/	/	<=30	Pass
	3840	Edge 1RB Left	22.40	/	/	23.75	/	/	<=30	Pass
		Edge 1RB Right	22.15	/	/	23.50	/	/	<=30	Pass
		Outer Full	24.16	/	/	25.51	/	/	<=30	Pass
		Inner Full	25.18	/	/	26.53	/	/	<=30	Pass
		Inner 1RB Left	24.99	/	/	26.34	/	/	<=30	Pass
		Inner 1RB Right	24.72	/	/	26.07	/	/	<=30	Pass
	3964.98	Edge 1RB Left	22.71	/	/	24.06	/	/	<=30	Pass
		Edge 1RB Right	22.47	/	/	23.82	/	/	<=30	Pass
		Outer Full	24.11	/	/	25.46	/	/	<=30	Pass
		Inner Full	25.05	/	/	26.40	/	/	<=30	Pass
		Inner 1RB Left	25.10	/	/	26.45	/	/	<=30	Pass
		Inner 1RB Right	24.92	/	/	26.27	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3715.02	Edge 1RB Left	22.67	/	/	24.02	/	/	<=30	Pass
		Edge 1RB Right	22.74	/	/	24.09	/	/	<=30	Pass
		Outer Full	23.92	/	/	25.27	/	/	<=30	Pass
		Inner Full	24.04	/	/	25.39	/	/	<=30	Pass
		Inner 1RB Left	23.75	/	/	25.10	/	/	<=30	Pass
		Inner 1RB Right	23.74	/	/	25.09	/	/	<=30	Pass
	3840	Edge 1RB Left	22.59	/	/	23.94	/	/	<=30	Pass
		Edge 1RB Right	22.36	/	/	23.71	/	/	<=30	Pass
		Outer Full	23.61	/	/	24.96	/	/	<=30	Pass
		Inner Full	23.75	/	/	25.10	/	/	<=30	Pass
		Inner 1RB Left	23.53	/	/	24.88	/	/	<=30	Pass
		Inner 1RB Right	23.46	/	/	24.81	/	/	<=30	Pass
	3964.98	Edge 1RB Left	22.88	/	/	24.23	/	/	<=30	Pass
		Edge 1RB Right	22.63	/	/	23.98	/	/	<=30	Pass
		Outer Full	23.72	/	/	25.07	/	/	<=30	Pass
		Inner Full	23.53	/	/	24.88	/	/	<=30	Pass
		Inner 1RB Left	23.85	/	/	25.20	/	/	<=30	Pass
		Inner 1RB Right	23.67	/	/	25.02	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3715.02	Edge 1RB Left	21.67	/	/	23.02	/	/	<=30	Pass
		Edge 1RB Right	21.69	/	/	23.04	/	/	<=30	Pass
		Outer Full	21.90	/	/	23.25	/	/	<=30	Pass
		Inner Full	21.96	/	/	23.31	/	/	<=30	Pass
		Inner 1RB Left	21.66	/	/	23.01	/	/	<=30	Pass
		Inner 1RB Right	21.72	/	/	23.07	/	/	<=30	Pass
	3840	Edge 1RB Left	21.59	/	/	22.94	/	/	<=30	Pass
		Edge 1RB Right	21.34	/	/	22.69	/	/	<=30	Pass

		Outer_Full	21.56	/	/	22.91	/	/	<=30	Pass
		Inner_Full	21.68	/	/	23.03	/	/	<=30	Pass
		Inner_1RB_Left	21.62	/	/	22.97	/	/	<=30	Pass
		Inner_1RB_Right	21.34	/	/	22.69	/	/	<=30	Pass
	3964.98	Edge_1RB_Left	21.72	/	/	23.07	/	/	<=30	Pass
		Edge_1RB_Right	21.54	/	/	22.89	/	/	<=30	Pass
		Outer_Full	21.65	/	/	23.00	/	/	<=30	Pass
		Inner_Full	21.45	/	/	22.80	/	/	<=30	Pass
		Inner_1RB_Left	21.71	/	/	23.06	/	/	<=30	Pass
		Inner_1RB_Right	21.60	/	/	22.95	/	/	<=30	Pass
		Edge_1RB_Left	22.74	/	/	24.09	/	/	<=30	Pass
		Edge_1RB_Right	22.94	/	/	24.29	/	/	<=30	Pass
CP-OFDM QPSK	3715.02	Outer_Full	23.37	/	/	24.72	/	/	<=30	Pass
		Inner_Full	24.98	/	/	26.33	/	/	<=30	Pass
		Inner_1RB_Left	24.75	/	/	26.10	/	/	<=30	Pass
		Inner_1RB_Right	24.96	/	/	26.31	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.58	/	/	23.93	/	/	<=30	Pass
		Edge_1RB_Right	22.39	/	/	23.74	/	/	<=30	Pass
		Outer_Full	23.06	/	/	24.41	/	/	<=30	Pass
		Inner_Full	24.65	/	/	26.00	/	/	<=30	Pass
		Inner_1RB_Left	24.66	/	/	26.01	/	/	<=30	Pass
		Inner_1RB_Right	24.33	/	/	25.68	/	/	<=30	Pass
	3964.98	Edge_1RB_Left	22.83	/	/	24.18	/	/	<=30	Pass
		Edge_1RB_Right	22.78	/	/	24.13	/	/	<=30	Pass
		Outer_Full	23.14	/	/	24.49	/	/	<=30	Pass
		Inner_Full	24.66	/	/	26.01	/	/	<=30	Pass
		Inner_1RB_Left	24.85	/	/	26.20	/	/	<=30	Pass
		Inner_1RB_Right	24.72	/	/	26.07	/	/	<=30	Pass
CP-OFDM 16 QAM	3715.02	Edge_1RB_Left	22.68	/	/	24.03	/	/	<=30	Pass
		Edge_1RB_Right	22.77	/	/	24.12	/	/	<=30	Pass
		Outer_Full	23.47	/	/	24.82	/	/	<=30	Pass
		Inner_Full	24.40	/	/	25.75	/	/	<=30	Pass
	3840	Inner_1RB_Left	24.06	/	/	25.41	/	/	<=30	Pass
		Inner_1RB_Right	24.33	/	/	25.68	/	/	<=30	Pass
		Edge_1RB_Left	22.60	/	/	23.95	/	/	<=30	Pass
		Edge_1RB_Right	22.33	/	/	23.68	/	/	<=30	Pass
	3964.98	Outer_Full	23.16	/	/	24.51	/	/	<=30	Pass
		Inner_Full	24.16	/	/	25.51	/	/	<=30	Pass
		Inner_1RB_Left	23.95	/	/	25.30	/	/	<=30	Pass
		Inner_1RB_Right	23.63	/	/	24.98	/	/	<=30	Pass
CP-OFDM 64 QAM	3715.02	Edge_1RB_Left	22.68	/	/	24.03	/	/	<=30	Pass
		Edge_1RB_Right	22.80	/	/	24.15	/	/	<=30	Pass
		Outer_Full	23.21	/	/	24.56	/	/	<=30	Pass
		Inner_Full	23.93	/	/	25.28	/	/	<=30	Pass
	3840	Inner_1RB_Left	24.11	/	/	25.46	/	/	<=30	Pass
		Inner_1RB_Right	24.19	/	/	25.54	/	/	<=30	Pass
		Edge_1RB_Left	22.81	/	/	24.16	/	/	<=30	Pass
		Edge_1RB_Right	22.76	/	/	24.11	/	/	<=30	Pass
	3715.02	Outer_Full	22.94	/	/	24.29	/	/	<=30	Pass
		Inner_Full	22.99	/	/	24.34	/	/	<=30	Pass
	3840	Inner_1RB_Left	22.78	/	/	24.13	/	/	<=30	Pass
		Inner_1RB_Right	22.76	/	/	24.11	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.63	/	/	23.98	/	/	<=30	Pass

CP-OFDM 256 QAM		Edge 1RB Right	22.47	/	/	23.82	/	/	<=30	Pass
		Outer Full	22.65	/	/	24.00	/	/	<=30	Pass
		Inner Full	22.62	/	/	23.97	/	/	<=30	Pass
		Inner 1RB Left	22.65	/	/	24.00	/	/	<=30	Pass
		Inner 1RB Right	22.35	/	/	23.70	/	/	<=30	Pass
	3964.98	Edge 1RB Left	22.84	/	/	24.19	/	/	<=30	Pass
		Edge 1RB Right	22.80	/	/	24.15	/	/	<=30	Pass
		Outer Full	22.74	/	/	24.09	/	/	<=30	Pass
		Inner Full	22.57	/	/	23.92	/	/	<=30	Pass
		Inner 1RB Left	22.95	/	/	24.30	/	/	<=30	Pass
		Inner 1RB Right	22.82	/	/	24.17	/	/	<=30	Pass
	3715.02	Edge 1RB Left	19.73	/	/	21.08	/	/	<=30	Pass
		Edge 1RB Right	19.70	/	/	21.05	/	/	<=30	Pass
		Outer Full	19.98	/	/	21.33	/	/	<=30	Pass
		Inner Full	19.93	/	/	21.28	/	/	<=30	Pass
		Inner 1RB Left	19.78	/	/	21.13	/	/	<=30	Pass
		Inner 1RB Right	19.77	/	/	21.12	/	/	<=30	Pass
	3840	Edge 1RB Left	19.56	/	/	20.91	/	/	<=30	Pass
		Edge 1RB Right	19.46	/	/	20.81	/	/	<=30	Pass
		Outer Full	19.55	/	/	20.90	/	/	<=30	Pass
		Inner Full	19.55	/	/	20.90	/	/	<=30	Pass
		Inner 1RB Left	19.55	/	/	20.90	/	/	<=30	Pass
	3964.98	Inner 1RB Right	19.46	/	/	20.81	/	/	<=30	Pass
		Edge 1RB Left	19.72	/	/	21.07	/	/	<=30	Pass
		Edge 1RB Right	19.67	/	/	21.02	/	/	<=30	Pass
		Outer Full	19.61	/	/	20.96	/	/	<=30	Pass
		Inner Full	19.61	/	/	20.96	/	/	<=30	Pass
		Inner 1RB Left	19.78	/	/	21.13	/	/	<=30	Pass
		Inner 1RB Right	19.67	/	/	21.02	/	/	<=30	Pass

Note1: Antenna Gain: Ant6: 1.35dBi;

Note2: EIRP=Conducted Power+Antenna Gain

1.1.3 30_S_40M_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 40MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant6	Ant2	Sum	Ant6	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3720	Edge 1RB Left	22.85	/	/	24.20	/	/	<=30	Pass
		Edge 1RB Right	22.55	/	/	23.90	/	/	<=30	Pass
		Outer Full	25.79	/	/	27.14	/	/	<=30	Pass
		Inner Full	26.42	/	/	27.77	/	/	<=30	Pass
		Inner 1RB Left	26.33	/	/	27.68	/	/	<=30	Pass
		Inner 1RB Right	26.02	/	/	27.37	/	/	<=30	Pass
	3840	Edge 1RB Left	22.65	/	/	24.00	/	/	<=30	Pass
		Edge 1RB Right	22.43	/	/	23.78	/	/	<=30	Pass
		Outer Full	25.67	/	/	27.02	/	/	<=30	Pass
		Inner Full	26.14	/	/	27.49	/	/	<=30	Pass
		Inner 1RB Left	26.14	/	/	27.49	/	/	<=30	Pass
		Inner 1RB Right	25.82	/	/	27.17	/	/	<=30	Pass
	3960	Edge 1RB Left	22.71	/	/	24.06	/	/	<=30	Pass
		Edge 1RB Right	22.75	/	/	24.10	/	/	<=30	Pass

DFT-s-OFDM QPSK		Outer_Full	25.73	/	/	27.08	/	/	<=30	Pass
		Inner_Full	26.14	/	/	27.49	/	/	<=30	Pass
		Inner_1RB_Left	26.21	/	/	27.56	/	/	<=30	Pass
		Inner_1RB_Right	26.32	/	/	27.67	/	/	<=30	Pass
	3720	Edge_1RB_Left	22.89	/	/	24.24	/	/	<=30	Pass
		Edge_1RB_Right	22.44	/	/	23.79	/	/	<=30	Pass
		Outer_Full	25.34	/	/	26.69	/	/	<=30	Pass
		Inner_Full	26.38	/	/	27.73	/	/	<=30	Pass
	3840	Inner_1RB_Left	26.35	/	/	27.70	/	/	<=30	Pass
		Inner_1RB_Right	25.97	/	/	27.32	/	/	<=30	Pass
		Edge_1RB_Left	22.63	/	/	23.98	/	/	<=30	Pass
		Edge_1RB_Right	22.34	/	/	23.69	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3720	Outer_Full	25.09	/	/	26.44	/	/	<=30	Pass
		Inner_Full	26.13	/	/	27.48	/	/	<=30	Pass
		Inner_1RB_Left	26.14	/	/	27.49	/	/	<=30	Pass
		Inner_1RB_Right	25.82	/	/	27.17	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.67	/	/	24.02	/	/	<=30	Pass
		Edge_1RB_Right	22.71	/	/	24.06	/	/	<=30	Pass
		Outer_Full	25.21	/	/	26.56	/	/	<=30	Pass
		Inner_Full	26.08	/	/	27.43	/	/	<=30	Pass
	3960	Inner_1RB_Left	26.28	/	/	27.63	/	/	<=30	Pass
		Inner_1RB_Right	26.28	/	/	27.63	/	/	<=30	Pass
		Edge_1RB_Left	22.71	/	/	24.06	/	/	<=30	Pass
		Edge_1RB_Right	22.36	/	/	23.71	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3720	Outer_Full	24.27	/	/	25.62	/	/	<=30	Pass
		Inner_Full	25.35	/	/	26.70	/	/	<=30	Pass
		Inner_1RB_Left	25.21	/	/	26.56	/	/	<=30	Pass
		Inner_1RB_Right	24.83	/	/	26.18	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.66	/	/	24.01	/	/	<=30	Pass
		Edge_1RB_Right	22.31	/	/	23.66	/	/	<=30	Pass
		Outer_Full	24.02	/	/	25.37	/	/	<=30	Pass
		Inner_Full	25.14	/	/	26.49	/	/	<=30	Pass
	3960	Inner_1RB_Left	24.98	/	/	26.33	/	/	<=30	Pass
		Inner_1RB_Right	24.84	/	/	26.19	/	/	<=30	Pass
		Edge_1RB_Left	22.64	/	/	23.99	/	/	<=30	Pass
		Edge_1RB_Right	22.68	/	/	24.03	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3720	Outer_Full	24.22	/	/	25.57	/	/	<=30	Pass
		Inner_Full	25.16	/	/	26.51	/	/	<=30	Pass
		Inner_1RB_Left	25.09	/	/	26.44	/	/	<=30	Pass
		Inner_1RB_Right	25.06	/	/	26.41	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.86	/	/	24.21	/	/	<=30	Pass
		Edge_1RB_Right	22.50	/	/	23.85	/	/	<=30	Pass
		Outer_Full	23.88	/	/	25.23	/	/	<=30	Pass
		Inner_Full	23.84	/	/	25.19	/	/	<=30	Pass
	3960	Inner_1RB_Left	23.76	/	/	25.11	/	/	<=30	Pass
		Inner_1RB_Right	23.54	/	/	24.89	/	/	<=30	Pass
		Edge_1RB_Left	22.80	/	/	24.15	/	/	<=30	Pass
		Edge_1RB_Right	22.52	/	/	23.87	/	/	<=30	Pass
DFT-s-OFDM 1024 QAM	3720	Outer_Full	23.67	/	/	25.02	/	/	<=30	Pass
		Inner_Full	23.58	/	/	24.93	/	/	<=30	Pass
		Inner_1RB_Left	23.74	/	/	25.09	/	/	<=30	Pass
		Inner_1RB_Right	23.45	/	/	24.80	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.88	/	/	24.23	/	/	<=30	Pass
		Edge_1RB_Right	22.50	/	/	23.85	/	/	<=30	Pass
		Outer_Full	23.88	/	/	25.23	/	/	<=30	Pass
		Inner_Full	23.84	/	/	25.19	/	/	<=30	Pass
	3960	Inner_1RB_Left	23.76	/	/	25.11	/	/	<=30	Pass
		Inner_1RB_Right	23.54	/	/	24.89	/	/	<=30	Pass
		Edge_1RB_Left	22.80	/	/	24.15	/	/	<=30	Pass
		Edge_1RB_Right	22.52	/	/	23.87	/	/	<=30	Pass

DFT-s-OFDM 256 QAM		Edge 1RB Right	22.88	/	/	24.23	/	/	<=30	Pass
		Outer Full	23.57	/	/	24.92	/	/	<=30	Pass
		Inner Full	23.66	/	/	25.01	/	/	<=30	Pass
		Inner 1RB Left	23.84	/	/	25.19	/	/	<=30	Pass
		Inner 1RB Right	23.77	/	/	25.12	/	/	<=30	Pass
	3720	Edge 1RB Left	21.84	/	/	23.19	/	/	<=30	Pass
		Edge 1RB Right	21.51	/	/	22.86	/	/	<=30	Pass
		Outer Full	21.78	/	/	23.13	/	/	<=30	Pass
		Inner Full	21.94	/	/	23.29	/	/	<=30	Pass
		Inner 1RB Left	21.97	/	/	23.32	/	/	<=30	Pass
		Inner 1RB Right	21.45	/	/	22.80	/	/	<=30	Pass
	3840	Edge 1RB Left	21.59	/	/	22.94	/	/	<=30	Pass
		Edge 1RB Right	21.39	/	/	22.74	/	/	<=30	Pass
		Outer Full	21.61	/	/	22.96	/	/	<=30	Pass
		Inner Full	21.70	/	/	23.05	/	/	<=30	Pass
		Inner 1RB Left	21.62	/	/	22.97	/	/	<=30	Pass
		Inner 1RB Right	21.37	/	/	22.72	/	/	<=30	Pass
	3960	Edge 1RB Left	21.77	/	/	23.12	/	/	<=30	Pass
		Edge 1RB Right	21.65	/	/	23.00	/	/	<=30	Pass
		Outer Full	21.67	/	/	23.02	/	/	<=30	Pass
		Inner Full	21.46	/	/	22.81	/	/	<=30	Pass
		Inner 1RB Left	21.71	/	/	23.06	/	/	<=30	Pass
		Inner 1RB Right	21.73	/	/	23.08	/	/	<=30	Pass
CP-OFDM QPSK	3720	Edge 1RB Left	22.88	/	/	24.23	/	/	<=30	Pass
		Edge 1RB Right	22.63	/	/	23.98	/	/	<=30	Pass
		Outer Full	23.25	/	/	24.60	/	/	<=30	Pass
		Inner Full	24.90	/	/	26.25	/	/	<=30	Pass
		Inner 1RB Left	25.03	/	/	26.38	/	/	<=30	Pass
		Inner 1RB Right	24.55	/	/	25.90	/	/	<=30	Pass
	3840	Edge 1RB Left	22.76	/	/	24.11	/	/	<=30	Pass
		Edge 1RB Right	22.57	/	/	23.92	/	/	<=30	Pass
		Outer Full	23.17	/	/	24.52	/	/	<=30	Pass
		Inner Full	24.64	/	/	25.99	/	/	<=30	Pass
		Inner 1RB Left	24.82	/	/	26.17	/	/	<=30	Pass
		Inner 1RB Right	24.54	/	/	25.89	/	/	<=30	Pass
	3960	Edge 1RB Left	22.85	/	/	24.20	/	/	<=30	Pass
		Edge 1RB Right	22.86	/	/	24.21	/	/	<=30	Pass
		Outer Full	23.18	/	/	24.53	/	/	<=30	Pass
		Inner Full	24.65	/	/	26.00	/	/	<=30	Pass
		Inner 1RB Left	24.82	/	/	26.17	/	/	<=30	Pass
		Inner 1RB Right	24.90	/	/	26.25	/	/	<=30	Pass
CP-OFDM 16 QAM	3720	Edge 1RB Left	22.83	/	/	24.18	/	/	<=30	Pass
		Edge 1RB Right	22.43	/	/	23.78	/	/	<=30	Pass
		Outer Full	23.20	/	/	24.55	/	/	<=30	Pass
		Inner Full	24.39	/	/	25.74	/	/	<=30	Pass
		Inner 1RB Left	24.14	/	/	25.49	/	/	<=30	Pass
		Inner 1RB Right	23.91	/	/	25.26	/	/	<=30	Pass
	3840	Edge 1RB Left	22.60	/	/	23.95	/	/	<=30	Pass
		Edge 1RB Right	22.24	/	/	23.59	/	/	<=30	Pass
		Outer Full	23.13	/	/	24.48	/	/	<=30	Pass
		Inner Full	24.18	/	/	25.53	/	/	<=30	Pass
		Inner 1RB Left	24.10	/	/	25.45	/	/	<=30	Pass
		Inner 1RB Right	23.84	/	/	25.19	/	/	<=30	Pass

	3960	Edge_1RB_Left	22.59	/	/	23.94	/	/	<=30	Pass
		Edge_1RB_Right	22.62	/	/	23.97	/	/	<=30	Pass
		Outer_Full	23.24	/	/	24.59	/	/	<=30	Pass
		Inner_Full	24.18	/	/	25.53	/	/	<=30	Pass
		Inner_1RB_Left	24.14	/	/	25.49	/	/	<=30	Pass
		Inner_1RB_Right	24.16	/	/	25.51	/	/	<=30	Pass
CP-OFDM 64 QAM	3720	Edge_1RB_Left	22.85	/	/	24.20	/	/	<=30	Pass
		Edge_1RB_Right	22.54	/	/	23.89	/	/	<=30	Pass
		Outer_Full	22.89	/	/	24.24	/	/	<=30	Pass
		Inner_Full	22.84	/	/	24.19	/	/	<=30	Pass
		Inner_1RB_Left	23.06	/	/	24.41	/	/	<=30	Pass
		Inner_1RB_Right	22.53	/	/	23.88	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.79	/	/	24.14	/	/	<=30	Pass
		Edge_1RB_Right	22.38	/	/	23.73	/	/	<=30	Pass
		Outer_Full	22.63	/	/	23.98	/	/	<=30	Pass
		Inner_Full	22.66	/	/	24.01	/	/	<=30	Pass
		Inner_1RB_Left	22.73	/	/	24.08	/	/	<=30	Pass
		Inner_1RB_Right	22.44	/	/	23.79	/	/	<=30	Pass
	3960	Edge_1RB_Left	22.63	/	/	23.98	/	/	<=30	Pass
		Edge_1RB_Right	22.81	/	/	24.16	/	/	<=30	Pass
		Outer_Full	22.53	/	/	23.88	/	/	<=30	Pass
		Inner_Full	22.56	/	/	23.91	/	/	<=30	Pass
		Inner_1RB_Left	22.73	/	/	24.08	/	/	<=30	Pass
		Inner_1RB_Right	22.91	/	/	24.26	/	/	<=30	Pass
CP-OFDM 256 QAM	3720	Edge_1RB_Left	19.90	/	/	21.25	/	/	<=30	Pass
		Edge_1RB_Right	19.66	/	/	21.01	/	/	<=30	Pass
		Outer_Full	19.74	/	/	21.09	/	/	<=30	Pass
		Inner_Full	19.88	/	/	21.23	/	/	<=30	Pass
		Inner_1RB_Left	19.92	/	/	21.27	/	/	<=30	Pass
		Inner_1RB_Right	19.58	/	/	20.93	/	/	<=30	Pass
	3840	Edge_1RB_Left	19.65	/	/	21.00	/	/	<=30	Pass
		Edge_1RB_Right	19.50	/	/	20.85	/	/	<=30	Pass
		Outer_Full	19.61	/	/	20.96	/	/	<=30	Pass
		Inner_Full	19.76	/	/	21.11	/	/	<=30	Pass
		Inner_1RB_Left	19.68	/	/	21.03	/	/	<=30	Pass
		Inner_1RB_Right	19.49	/	/	20.84	/	/	<=30	Pass
	3960	Edge_1RB_Left	19.73	/	/	21.08	/	/	<=30	Pass
		Edge_1RB_Right	19.74	/	/	21.09	/	/	<=30	Pass
		Outer_Full	19.64	/	/	20.99	/	/	<=30	Pass
		Inner_Full	19.56	/	/	20.91	/	/	<=30	Pass
		Inner_1RB_Left	19.75	/	/	21.10	/	/	<=30	Pass
		Inner_1RB_Right	19.68	/	/	21.03	/	/	<=30	Pass
Note1: Antenna Gain: Ant6: 1.35dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.4 30_S_60M_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 60MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant6	Ant2	Sum	Ant6	Ant2	Sum	Limit	
DFT-s-OFDM PI/2	3730.02	Edge_1RB_Left	22.57	/	/	23.92	/	/	<=30	Pass

BPSK		Edge 1RB Right	22.31	/	/	23.66	/	/	<=30	Pass
		Outer Full	25.40	/	/	26.75	/	/	<=30	Pass
		Inner Full	25.93	/	/	27.28	/	/	<=30	Pass
		Inner 1RB Left	26.02	/	/	27.37	/	/	<=30	Pass
	3840	Inner 1RB Right	25.93	/	/	27.28	/	/	<=30	Pass
		Edge 1RB Left	22.24	/	/	23.59	/	/	<=30	Pass
		Edge 1RB Right	22.42	/	/	23.77	/	/	<=30	Pass
		Outer Full	25.40	/	/	26.75	/	/	<=30	Pass
	3949.98	Inner Full	25.85	/	/	27.20	/	/	<=30	Pass
		Inner 1RB Left	25.70	/	/	27.05	/	/	<=30	Pass
		Inner 1RB Right	25.92	/	/	27.27	/	/	<=30	Pass
		Edge 1RB Left	22.71	/	/	24.06	/	/	<=30	Pass
		Edge 1RB Right	22.41	/	/	23.76	/	/	<=30	Pass
		Outer Full	25.52	/	/	26.87	/	/	<=30	Pass
		Inner Full	25.89	/	/	27.24	/	/	<=30	Pass
		Inner 1RB Left	26.17	/	/	27.52	/	/	<=30	Pass
		Inner 1RB Right	26.00	/	/	27.35	/	/	<=30	Pass
DFT-s-OFDM QPSK	3730.02	Edge 1RB Left	22.40	/	/	23.75	/	/	<=30	Pass
		Edge 1RB Right	22.14	/	/	23.49	/	/	<=30	Pass
		Outer Full	25.00	/	/	26.35	/	/	<=30	Pass
		Inner Full	25.91	/	/	27.26	/	/	<=30	Pass
	3840	Inner 1RB Left	25.91	/	/	27.26	/	/	<=30	Pass
		Inner 1RB Right	25.83	/	/	27.18	/	/	<=30	Pass
		Edge 1RB Left	22.26	/	/	23.61	/	/	<=30	Pass
		Edge 1RB Right	22.49	/	/	23.84	/	/	<=30	Pass
	3949.98	Outer Full	24.93	/	/	26.28	/	/	<=30	Pass
		Inner Full	25.93	/	/	27.28	/	/	<=30	Pass
		Inner 1RB Left	25.71	/	/	27.06	/	/	<=30	Pass
		Inner 1RB Right	25.93	/	/	27.28	/	/	<=30	Pass
		Edge 1RB Left	22.67	/	/	24.02	/	/	<=30	Pass
		Edge 1RB Right	22.47	/	/	23.82	/	/	<=30	Pass
		Outer Full	25.04	/	/	26.39	/	/	<=30	Pass
		Inner Full	25.91	/	/	27.26	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3730.02	Inner 1RB Left	26.08	/	/	27.43	/	/	<=30	Pass
		Inner 1RB Right	25.93	/	/	27.28	/	/	<=30	Pass
		Edge 1RB Left	22.52	/	/	23.87	/	/	<=30	Pass
		Edge 1RB Right	22.16	/	/	23.51	/	/	<=30	Pass
	3840	Outer Full	24.01	/	/	25.36	/	/	<=30	Pass
		Inner Full	24.95	/	/	26.30	/	/	<=30	Pass
		Inner 1RB Left	24.79	/	/	26.14	/	/	<=30	Pass
		Inner 1RB Right	24.73	/	/	26.08	/	/	<=30	Pass
	3949.98	Edge 1RB Left	22.21	/	/	23.56	/	/	<=30	Pass
		Edge 1RB Right	22.49	/	/	23.84	/	/	<=30	Pass
		Outer Full	23.87	/	/	25.22	/	/	<=30	Pass
		Inner Full	24.88	/	/	26.23	/	/	<=30	Pass
		Inner 1RB Left	24.63	/	/	25.98	/	/	<=30	Pass
		Inner 1RB Right	24.81	/	/	26.16	/	/	<=30	Pass
		Edge 1RB Left	22.56	/	/	23.91	/	/	<=30	Pass
		Edge 1RB Right	22.46	/	/	23.81	/	/	<=30	Pass
		Outer Full	24.03	/	/	25.38	/	/	<=30	Pass
		Inner Full	24.90	/	/	26.25	/	/	<=30	Pass
		Inner 1RB Left	25.19	/	/	26.54	/	/	<=30	Pass
		Inner 1RB Right	24.96	/	/	26.31	/	/	<=30	Pass

DFT-s-OFDM 64 QAM	3730.02	Edge_1RB_Left	22.52	/	/	23.87	/	/	<=30	Pass
		Edge_1RB_Right	22.46	/	/	23.81	/	/	<=30	Pass
		Outer_Full	23.42	/	/	24.77	/	/	<=30	Pass
		Inner_Full	23.39	/	/	24.74	/	/	<=30	Pass
		Inner_1RB_Left	23.50	/	/	24.85	/	/	<=30	Pass
		Inner_1RB_Right	23.42	/	/	24.77	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.44	/	/	23.79	/	/	<=30	Pass
		Edge_1RB_Right	22.49	/	/	23.84	/	/	<=30	Pass
		Outer_Full	23.48	/	/	24.83	/	/	<=30	Pass
		Inner_Full	23.54	/	/	24.89	/	/	<=30	Pass
		Inner_1RB_Left	23.28	/	/	24.63	/	/	<=30	Pass
		Inner_1RB_Right	23.49	/	/	24.84	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	22.80	/	/	24.15	/	/	<=30	Pass
		Edge_1RB_Right	22.65	/	/	24.00	/	/	<=30	Pass
		Outer_Full	23.58	/	/	24.93	/	/	<=30	Pass
		Inner_Full	23.47	/	/	24.82	/	/	<=30	Pass
		Inner_1RB_Left	23.68	/	/	25.03	/	/	<=30	Pass
		Inner_1RB_Right	23.62	/	/	24.97	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3730.02	Edge_1RB_Left	21.38	/	/	22.73	/	/	<=30	Pass
		Edge_1RB_Right	21.32	/	/	22.67	/	/	<=30	Pass
		Outer_Full	21.43	/	/	22.78	/	/	<=30	Pass
		Inner_Full	21.43	/	/	22.78	/	/	<=30	Pass
		Inner_1RB_Left	21.36	/	/	22.71	/	/	<=30	Pass
		Inner_1RB_Right	21.41	/	/	22.76	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.23	/	/	22.58	/	/	<=30	Pass
		Edge_1RB_Right	21.30	/	/	22.65	/	/	<=30	Pass
		Outer_Full	21.38	/	/	22.73	/	/	<=30	Pass
		Inner_Full	21.44	/	/	22.79	/	/	<=30	Pass
		Inner_1RB_Left	21.19	/	/	22.54	/	/	<=30	Pass
		Inner_1RB_Right	21.41	/	/	22.76	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	21.54	/	/	22.89	/	/	<=30	Pass
		Edge_1RB_Right	21.53	/	/	22.88	/	/	<=30	Pass
		Outer_Full	21.49	/	/	22.84	/	/	<=30	Pass
		Inner_Full	21.47	/	/	22.82	/	/	<=30	Pass
		Inner_1RB_Left	21.57	/	/	22.92	/	/	<=30	Pass
		Inner_1RB_Right	21.44	/	/	22.79	/	/	<=30	Pass
CP-OFDM QPSK	3730.02	Edge_1RB_Left	22.49	/	/	23.84	/	/	<=30	Pass
		Edge_1RB_Right	22.37	/	/	23.72	/	/	<=30	Pass
		Outer_Full	23.02	/	/	24.37	/	/	<=30	Pass
		Inner_Full	24.36	/	/	25.71	/	/	<=30	Pass
		Inner_1RB_Left	24.61	/	/	25.96	/	/	<=30	Pass
		Inner_1RB_Right	24.40	/	/	25.75	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.39	/	/	23.74	/	/	<=30	Pass
		Edge_1RB_Right	22.47	/	/	23.82	/	/	<=30	Pass
		Outer_Full	22.87	/	/	24.22	/	/	<=30	Pass
		Inner_Full	24.47	/	/	25.82	/	/	<=30	Pass
		Inner_1RB_Left	24.38	/	/	25.73	/	/	<=30	Pass
		Inner_1RB_Right	24.49	/	/	25.84	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	22.71	/	/	24.06	/	/	<=30	Pass
		Edge_1RB_Right	22.54	/	/	23.89	/	/	<=30	Pass
		Outer_Full	23.03	/	/	24.38	/	/	<=30	Pass
		Inner_Full	24.43	/	/	25.78	/	/	<=30	Pass
		Inner_1RB_Left	24.82	/	/	26.17	/	/	<=30	Pass

		Inner 1RB Right	24.59	/	/	25.94	/	/	<=30	Pass
CP-OFDM 16 QAM	3730.02	Edge 1RB Left	22.42	/	/	23.77	/	/	<=30	Pass
		Edge 1RB Right	22.40	/	/	23.75	/	/	<=30	Pass
		Outer Full	22.94	/	/	24.29	/	/	<=30	Pass
		Inner Full	23.91	/	/	25.26	/	/	<=30	Pass
		Inner 1RB Left	23.85	/	/	25.20	/	/	<=30	Pass
		Inner 1RB Right	23.72	/	/	25.07	/	/	<=30	Pass
	3840	Edge 1RB Left	22.29	/	/	23.64	/	/	<=30	Pass
		Edge 1RB Right	22.45	/	/	23.80	/	/	<=30	Pass
		Outer Full	22.96	/	/	24.31	/	/	<=30	Pass
		Inner Full	23.88	/	/	25.23	/	/	<=30	Pass
		Inner 1RB Left	23.69	/	/	25.04	/	/	<=30	Pass
		Inner 1RB Right	23.84	/	/	25.19	/	/	<=30	Pass
	3949.98	Edge 1RB Left	22.54	/	/	23.89	/	/	<=30	Pass
		Edge 1RB Right	22.39	/	/	23.74	/	/	<=30	Pass
		Outer Full	22.97	/	/	24.32	/	/	<=30	Pass
		Inner Full	23.97	/	/	25.32	/	/	<=30	Pass
		Inner 1RB Left	24.03	/	/	25.38	/	/	<=30	Pass
		Inner 1RB Right	23.90	/	/	25.25	/	/	<=30	Pass
CP-OFDM 64 QAM	3730.02	Edge 1RB Left	22.40	/	/	23.75	/	/	<=30	Pass
		Edge 1RB Right	22.44	/	/	23.79	/	/	<=30	Pass
		Outer Full	22.51	/	/	23.86	/	/	<=30	Pass
		Inner Full	22.49	/	/	23.84	/	/	<=30	Pass
		Inner 1RB Left	22.63	/	/	23.98	/	/	<=30	Pass
		Inner 1RB Right	22.45	/	/	23.80	/	/	<=30	Pass
	3840	Edge 1RB Left	22.43	/	/	23.78	/	/	<=30	Pass
		Edge 1RB Right	22.50	/	/	23.85	/	/	<=30	Pass
		Outer Full	22.47	/	/	23.82	/	/	<=30	Pass
		Inner Full	22.45	/	/	23.80	/	/	<=30	Pass
		Inner 1RB Left	22.47	/	/	23.82	/	/	<=30	Pass
		Inner 1RB Right	22.59	/	/	23.94	/	/	<=30	Pass
	3949.98	Edge 1RB Left	22.67	/	/	24.02	/	/	<=30	Pass
		Edge 1RB Right	22.66	/	/	24.01	/	/	<=30	Pass
		Outer Full	22.63	/	/	23.98	/	/	<=30	Pass
		Inner Full	22.43	/	/	23.78	/	/	<=30	Pass
		Inner 1RB Left	22.74	/	/	24.09	/	/	<=30	Pass
		Inner 1RB Right	22.73	/	/	24.08	/	/	<=30	Pass
CP-OFDM 256 QAM	3730.02	Edge 1RB Left	19.43	/	/	20.78	/	/	<=30	Pass
		Edge 1RB Right	19.42	/	/	20.77	/	/	<=30	Pass
		Outer Full	19.47	/	/	20.82	/	/	<=30	Pass
		Inner Full	19.48	/	/	20.83	/	/	<=30	Pass
		Inner 1RB Left	19.52	/	/	20.87	/	/	<=30	Pass
		Inner 1RB Right	19.44	/	/	20.79	/	/	<=30	Pass
	3840	Edge 1RB Left	19.28	/	/	20.63	/	/	<=30	Pass
		Edge 1RB Right	19.47	/	/	20.82	/	/	<=30	Pass
		Outer Full	19.38	/	/	20.73	/	/	<=30	Pass
		Inner Full	19.30	/	/	20.65	/	/	<=30	Pass
		Inner 1RB Left	19.31	/	/	20.66	/	/	<=30	Pass
		Inner 1RB Right	19.44	/	/	20.79	/	/	<=30	Pass
	3949.98	Edge 1RB Left	19.73	/	/	21.08	/	/	<=30	Pass
		Edge 1RB Right	19.51	/	/	20.86	/	/	<=30	Pass
		Outer Full	19.59	/	/	20.94	/	/	<=30	Pass
		Inner Full	19.41	/	/	20.76	/	/	<=30	Pass



Report No.: SUCR260400031710

Page: 14 of 112

		Inner_1RB_Left	19.71	/	/	21.06	/	/	<=30	Pass
		Inner_1RB_Right	19.45	/	/	20.80	/	/	<=30	Pass
Note1: Antenna Gain: Ant6: 1.35dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.5 30_S_80M_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 80MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant6	Ant2	Sum	Ant6	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3740.01	Edge_1RB_Left	22.40	/	/	23.75	/	/	<=30	Pass
		Edge_1RB_Right	22.11	/	/	23.46	/	/	<=30	Pass
		Outer_Full	25.37	/	/	26.72	/	/	<=30	Pass
		Inner_Full	25.94	/	/	27.29	/	/	<=30	Pass
		Inner_1RB_Left	25.85	/	/	27.20	/	/	<=30	Pass
		Inner_1RB_Right	25.66	/	/	27.01	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.54	/	/	23.89	/	/	<=30	Pass
		Edge_1RB_Right	22.56	/	/	23.91	/	/	<=30	Pass
		Outer_Full	25.50	/	/	26.85	/	/	<=30	Pass
		Inner_Full	25.77	/	/	27.12	/	/	<=30	Pass
		Inner_1RB_Left	26.01	/	/	27.36	/	/	<=30	Pass
		Inner_1RB_Right	26.12	/	/	27.47	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	22.76	/	/	24.11	/	/	<=30	Pass
		Edge_1RB_Right	22.49	/	/	23.84	/	/	<=30	Pass
		Outer_Full	25.67	/	/	27.02	/	/	<=30	Pass
		Inner_Full	26.05	/	/	27.40	/	/	<=30	Pass
		Inner_1RB_Left	26.29	/	/	27.64	/	/	<=30	Pass
		Inner_1RB_Right	25.98	/	/	27.33	/	/	<=30	Pass
DFT-s-OFDM QPSK	3740.01	Edge_1RB_Left	22.46	/	/	23.81	/	/	<=30	Pass
		Edge_1RB_Right	22.10	/	/	23.45	/	/	<=30	Pass
		Outer_Full	24.87	/	/	26.22	/	/	<=30	Pass
		Inner_Full	25.85	/	/	27.20	/	/	<=30	Pass
		Inner_1RB_Left	25.93	/	/	27.28	/	/	<=30	Pass
		Inner_1RB_Right	25.50	/	/	26.85	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.51	/	/	23.86	/	/	<=30	Pass
		Edge_1RB_Right	22.56	/	/	23.91	/	/	<=30	Pass
		Outer_Full	24.89	/	/	26.24	/	/	<=30	Pass
		Inner_Full	25.79	/	/	27.14	/	/	<=30	Pass
		Inner_1RB_Left	26.02	/	/	27.37	/	/	<=30	Pass
		Inner_1RB_Right	26.11	/	/	27.46	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	22.84	/	/	24.19	/	/	<=30	Pass
		Edge_1RB_Right	22.48	/	/	23.83	/	/	<=30	Pass
		Outer_Full	25.02	/	/	26.37	/	/	<=30	Pass
		Inner_Full	26.02	/	/	27.37	/	/	<=30	Pass
		Inner_1RB_Left	26.26	/	/	27.61	/	/	<=30	Pass
		Inner_1RB_Right	26.03	/	/	27.38	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3740.01	Edge_1RB_Left	22.30	/	/	23.65	/	/	<=30	Pass
		Edge_1RB_Right	21.94	/	/	23.29	/	/	<=30	Pass
		Outer_Full	23.91	/	/	25.26	/	/	<=30	Pass
		Inner_Full	24.87	/	/	26.22	/	/	<=30	Pass
		Inner_1RB_Left	24.77	/	/	26.12	/	/	<=30	Pass

	3840	Inner 1RB Right	24.47	/	/	25.82	/	/	<=30	Pass
		Edge 1RB Left	22.46	/	/	23.81	/	/	<=30	Pass
		Edge 1RB Right	22.41	/	/	23.76	/	/	<=30	Pass
		Outer Full	23.88	/	/	25.23	/	/	<=30	Pass
		Inner Full	24.90	/	/	26.25	/	/	<=30	Pass
		Inner 1RB Left	24.92	/	/	26.27	/	/	<=30	Pass
		Inner 1RB Right	24.97	/	/	26.32	/	/	<=30	Pass
	3939.99	Edge 1RB Left	22.63	/	/	23.98	/	/	<=30	Pass
		Edge 1RB Right	22.38	/	/	23.73	/	/	<=30	Pass
		Outer Full	23.99	/	/	25.34	/	/	<=30	Pass
		Inner Full	25.01	/	/	26.36	/	/	<=30	Pass
		Inner 1RB Left	25.11	/	/	26.46	/	/	<=30	Pass
		Inner 1RB Right	24.79	/	/	26.14	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3740.01	Edge 1RB Left	22.41	/	/	23.76	/	/	<=30	Pass
		Edge 1RB Right	22.05	/	/	23.40	/	/	<=30	Pass
		Outer Full	23.34	/	/	24.69	/	/	<=30	Pass
		Inner Full	23.41	/	/	24.76	/	/	<=30	Pass
		Inner 1RB Left	23.42	/	/	24.77	/	/	<=30	Pass
		Inner 1RB Right	23.16	/	/	24.51	/	/	<=30	Pass
	3840	Edge 1RB Left	22.56	/	/	23.91	/	/	<=30	Pass
		Edge 1RB Right	22.64	/	/	23.99	/	/	<=30	Pass
		Outer Full	23.46	/	/	24.81	/	/	<=30	Pass
		Inner Full	23.42	/	/	24.77	/	/	<=30	Pass
		Inner 1RB Left	23.63	/	/	24.98	/	/	<=30	Pass
		Inner 1RB Right	23.66	/	/	25.01	/	/	<=30	Pass
	3939.99	Edge 1RB Left	22.82	/	/	24.17	/	/	<=30	Pass
		Edge 1RB Right	22.47	/	/	23.82	/	/	<=30	Pass
		Outer Full	23.59	/	/	24.94	/	/	<=30	Pass
		Inner Full	23.47	/	/	24.82	/	/	<=30	Pass
		Inner 1RB Left	23.88	/	/	25.23	/	/	<=30	Pass
		Inner 1RB Right	23.57	/	/	24.92	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3740.01	Edge 1RB Left	21.36	/	/	22.71	/	/	<=30	Pass
		Edge 1RB Right	21.16	/	/	22.51	/	/	<=30	Pass
		Outer Full	21.40	/	/	22.75	/	/	<=30	Pass
		Inner Full	21.28	/	/	22.63	/	/	<=30	Pass
		Inner 1RB Left	21.40	/	/	22.75	/	/	<=30	Pass
		Inner 1RB Right	21.17	/	/	22.52	/	/	<=30	Pass
	3840	Edge 1RB Left	21.50	/	/	22.85	/	/	<=30	Pass
		Edge 1RB Right	21.51	/	/	22.86	/	/	<=30	Pass
		Outer Full	21.49	/	/	22.84	/	/	<=30	Pass
		Inner Full	21.31	/	/	22.66	/	/	<=30	Pass
		Inner 1RB Left	21.50	/	/	22.85	/	/	<=30	Pass
		Inner 1RB Right	21.55	/	/	22.90	/	/	<=30	Pass
	3939.99	Edge 1RB Left	21.74	/	/	23.09	/	/	<=30	Pass
		Edge 1RB Right	21.45	/	/	22.80	/	/	<=30	Pass
		Outer Full	21.56	/	/	22.91	/	/	<=30	Pass
		Inner Full	21.54	/	/	22.89	/	/	<=30	Pass
		Inner 1RB Left	21.78	/	/	23.13	/	/	<=30	Pass
		Inner 1RB Right	21.44	/	/	22.79	/	/	<=30	Pass
CP-OFDM QPSK	3740.01	Edge 1RB Left	22.41	/	/	23.76	/	/	<=30	Pass
		Edge 1RB Right	22.16	/	/	23.51	/	/	<=30	Pass
		Outer Full	22.85	/	/	24.20	/	/	<=30	Pass
		Inner Full	24.32	/	/	25.67	/	/	<=30	Pass

		Inner 1RB Left	24.52	/	/	25.87	/	/	<=30	Pass
		Inner 1RB Right	24.31	/	/	25.66	/	/	<=30	Pass
	3840	Edge 1RB Left	22.68	/	/	24.03	/	/	<=30	Pass
		Edge 1RB Right	22.77	/	/	24.12	/	/	<=30	Pass
		Outer Full	22.97	/	/	24.32	/	/	<=30	Pass
		Inner Full	24.28	/	/	25.63	/	/	<=30	Pass
		Inner 1RB Left	24.71	/	/	26.06	/	/	<=30	Pass
		Inner 1RB Right	24.87	/	/	26.22	/	/	<=30	Pass
	3939.99	Edge 1RB Left	22.83	/	/	24.18	/	/	<=30	Pass
		Edge 1RB Right	22.53	/	/	23.88	/	/	<=30	Pass
		Outer Full	23.13	/	/	24.48	/	/	<=30	Pass
		Inner Full	24.48	/	/	25.83	/	/	<=30	Pass
		Inner 1RB Left	24.86	/	/	26.21	/	/	<=30	Pass
		Inner 1RB Right	24.63	/	/	25.98	/	/	<=30	Pass
CP-OFDM 16 QAM	3740.01	Edge 1RB Left	22.38	/	/	23.73	/	/	<=30	Pass
		Edge 1RB Right	21.97	/	/	23.32	/	/	<=30	Pass
		Outer Full	22.91	/	/	24.26	/	/	<=30	Pass
		Inner Full	23.93	/	/	25.28	/	/	<=30	Pass
		Inner 1RB Left	23.74	/	/	25.09	/	/	<=30	Pass
		Inner 1RB Right	23.51	/	/	24.86	/	/	<=30	Pass
	3840	Edge 1RB Left	22.36	/	/	23.71	/	/	<=30	Pass
		Edge 1RB Right	22.44	/	/	23.79	/	/	<=30	Pass
		Outer Full	22.82	/	/	24.17	/	/	<=30	Pass
		Inner Full	23.77	/	/	25.12	/	/	<=30	Pass
		Inner 1RB Left	23.82	/	/	25.17	/	/	<=30	Pass
		Inner 1RB Right	24.01	/	/	25.36	/	/	<=30	Pass
	3939.99	Edge 1RB Left	22.68	/	/	24.03	/	/	<=30	Pass
		Edge 1RB Right	22.39	/	/	23.74	/	/	<=30	Pass
		Outer Full	23.06	/	/	24.41	/	/	<=30	Pass
		Inner Full	24.04	/	/	25.39	/	/	<=30	Pass
		Inner 1RB Left	24.12	/	/	25.47	/	/	<=30	Pass
		Inner 1RB Right	23.92	/	/	25.27	/	/	<=30	Pass
CP-OFDM 64 QAM	3740.01	Edge 1RB Left	22.41	/	/	23.76	/	/	<=30	Pass
		Edge 1RB Right	22.11	/	/	23.46	/	/	<=30	Pass
		Outer Full	22.46	/	/	23.81	/	/	<=30	Pass
		Inner Full	22.40	/	/	23.75	/	/	<=30	Pass
		Inner 1RB Left	22.59	/	/	23.94	/	/	<=30	Pass
		Inner 1RB Right	22.11	/	/	23.46	/	/	<=30	Pass
	3840	Edge 1RB Left	22.56	/	/	23.91	/	/	<=30	Pass
		Edge 1RB Right	22.63	/	/	23.98	/	/	<=30	Pass
		Outer Full	22.47	/	/	23.82	/	/	<=30	Pass
		Inner Full	22.34	/	/	23.69	/	/	<=30	Pass
		Inner 1RB Left	22.57	/	/	23.92	/	/	<=30	Pass
		Inner 1RB Right	22.76	/	/	24.11	/	/	<=30	Pass
	3939.99	Edge 1RB Left	22.74	/	/	24.09	/	/	<=30	Pass
		Edge 1RB Right	22.50	/	/	23.85	/	/	<=30	Pass
		Outer Full	22.57	/	/	23.92	/	/	<=30	Pass
		Inner Full	22.47	/	/	23.82	/	/	<=30	Pass
		Inner 1RB Left	22.76	/	/	24.11	/	/	<=30	Pass
		Inner 1RB Right	22.62	/	/	23.97	/	/	<=30	Pass
CP-OFDM 256 QAM	3740.01	Edge 1RB Left	19.36	/	/	20.71	/	/	<=30	Pass
		Edge 1RB Right	19.05	/	/	20.40	/	/	<=30	Pass
		Outer Full	19.33	/	/	20.68	/	/	<=30	Pass

		Inner_Full	19.40	/	/	20.75	/	/	<=30	Pass
		Inner_1RB_Left	19.50	/	/	20.85	/	/	<=30	Pass
		Inner_1RB_Right	19.19	/	/	20.54	/	/	<=30	Pass
	3840	Edge_1RB_Left	19.65	/	/	21.00	/	/	<=30	Pass
		Edge_1RB_Right	19.56	/	/	20.91	/	/	<=30	Pass
		Outer_Full	19.39	/	/	20.74	/	/	<=30	Pass
		Inner_Full	19.37	/	/	20.72	/	/	<=30	Pass
		Inner_1RB_Left	19.63	/	/	20.98	/	/	<=30	Pass
		Inner_1RB_Right	19.59	/	/	20.94	/	/	<=30	Pass
		3939.99	Edge_1RB_Left	19.86	/	/	21.21	/	/	<=30
	Edge_1RB_Right		19.47	/	/	20.82	/	/	<=30	Pass
	Outer_Full		19.45	/	/	20.80	/	/	<=30	Pass
	Inner_Full		19.62	/	/	20.97	/	/	<=30	Pass
	Inner_1RB_Left		19.77	/	/	21.12	/	/	<=30	Pass
	Inner_1RB_Right		19.55	/	/	20.90	/	/	<=30	Pass
Note1: Antenna Gain: Ant6: 1.35dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.6 30_S_100M_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 100MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant6	Ant2	Sum	Ant6	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3750	Edge 1RB Left	22.37	/	/	23.72	/	/	<=30	Pass
		Edge 1RB Right	22.38	/	/	23.73	/	/	<=30	Pass
		Outer Full	25.39	/	/	26.74	/	/	<=30	Pass
		Inner Full	25.83	/	/	27.18	/	/	<=30	Pass
		Inner 1RB Left	25.94	/	/	27.29	/	/	<=30	Pass
		Inner 1RB Right	25.87	/	/	27.22	/	/	<=30	Pass
	3840	Edge 1RB Left	22.61	/	/	23.96	/	/	<=30	Pass
		Edge 1RB Right	22.66	/	/	24.01	/	/	<=30	Pass
		Outer Full	25.39	/	/	26.74	/	/	<=30	Pass
		Inner Full	25.85	/	/	27.20	/	/	<=30	Pass
		Inner 1RB Left	26.06	/	/	27.41	/	/	<=30	Pass
		Inner 1RB Right	26.17	/	/	27.52	/	/	<=30	Pass
	3930	Edge 1RB Left	22.73	/	/	24.08	/	/	<=30	Pass
		Edge 1RB Right	22.62	/	/	23.97	/	/	<=30	Pass
		Outer Full	25.62	/	/	26.97	/	/	<=30	Pass
		Inner Full	26.21	/	/	27.56	/	/	<=30	Pass
		Inner 1RB Left	26.23	/	/	27.58	/	/	<=30	Pass
		Inner 1RB Right	26.08	/	/	27.43	/	/	<=30	Pass
DFT-s-OFDM QPSK	3750	Edge 1RB Left	22.45	/	/	23.80	/	/	<=30	Pass
		Edge 1RB Right	22.32	/	/	23.67	/	/	<=30	Pass
		Outer Full	24.85	/	/	26.20	/	/	<=30	Pass
		Inner Full	25.84	/	/	27.19	/	/	<=30	Pass
		Inner 1RB Left	25.86	/	/	27.21	/	/	<=30	Pass
		Inner 1RB Right	25.84	/	/	27.19	/	/	<=30	Pass
	3840	Edge 1RB Left	22.56	/	/	23.91	/	/	<=30	Pass
		Edge 1RB Right	22.65	/	/	24.00	/	/	<=30	Pass
		Outer Full	24.96	/	/	26.31	/	/	<=30	Pass
		Inner Full	25.85	/	/	27.20	/	/	<=30	Pass

		Inner_1RB_Left	26.07	/	/	27.42	/	/	<=30	Pass
		Inner_1RB_Right	26.10	/	/	27.45	/	/	<=30	Pass
	3930	Edge_1RB_Left	22.82	/	/	24.17	/	/	<=30	Pass
		Edge_1RB_Right	22.65	/	/	24.00	/	/	<=30	Pass
		Outer_Full	25.17	/	/	26.52	/	/	<=30	Pass
		Inner_Full	26.24	/	/	27.59	/	/	<=30	Pass
		Inner_1RB_Left	26.27	/	/	27.62	/	/	<=30	Pass
		Inner_1RB_Right	26.10	/	/	27.45	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3750	Edge_1RB_Left	22.19	/	/	23.54	/	/	<=30	Pass
		Edge_1RB_Right	22.24	/	/	23.59	/	/	<=30	Pass
		Outer_Full	23.94	/	/	25.29	/	/	<=30	Pass
		Inner_Full	24.92	/	/	26.27	/	/	<=30	Pass
		Inner_1RB_Left	24.72	/	/	26.07	/	/	<=30	Pass
		Inner_1RB_Right	24.82	/	/	26.17	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.51	/	/	23.86	/	/	<=30	Pass
		Edge_1RB_Right	22.61	/	/	23.96	/	/	<=30	Pass
		Outer_Full	23.97	/	/	25.32	/	/	<=30	Pass
		Inner_Full	24.86	/	/	26.21	/	/	<=30	Pass
		Inner_1RB_Left	25.05	/	/	26.40	/	/	<=30	Pass
		Inner_1RB_Right	25.20	/	/	26.55	/	/	<=30	Pass
	3930	Edge_1RB_Left	22.53	/	/	23.88	/	/	<=30	Pass
		Edge_1RB_Right	22.42	/	/	23.77	/	/	<=30	Pass
		Outer_Full	24.19	/	/	25.54	/	/	<=30	Pass
		Inner_Full	25.11	/	/	26.46	/	/	<=30	Pass
		Inner_1RB_Left	25.09	/	/	26.44	/	/	<=30	Pass
		Inner_1RB_Right	24.91	/	/	26.26	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3750	Edge_1RB_Left	22.35	/	/	23.70	/	/	<=30	Pass
		Edge_1RB_Right	22.47	/	/	23.82	/	/	<=30	Pass
		Outer_Full	23.37	/	/	24.72	/	/	<=30	Pass
		Inner_Full	23.38	/	/	24.73	/	/	<=30	Pass
		Inner_1RB_Left	23.45	/	/	24.80	/	/	<=30	Pass
		Inner_1RB_Right	23.37	/	/	24.72	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.77	/	/	24.12	/	/	<=30	Pass
		Edge_1RB_Right	22.94	/	/	24.29	/	/	<=30	Pass
		Outer_Full	23.37	/	/	24.72	/	/	<=30	Pass
		Inner_Full	23.31	/	/	24.66	/	/	<=30	Pass
		Inner_1RB_Left	23.80	/	/	25.15	/	/	<=30	Pass
		Inner_1RB_Right	23.79	/	/	25.14	/	/	<=30	Pass
	3930	Edge_1RB_Left	22.80	/	/	24.15	/	/	<=30	Pass
		Edge_1RB_Right	22.64	/	/	23.99	/	/	<=30	Pass
		Outer_Full	23.62	/	/	24.97	/	/	<=30	Pass
		Inner_Full	23.65	/	/	25.00	/	/	<=30	Pass
		Inner_1RB_Left	23.80	/	/	25.15	/	/	<=30	Pass
		Inner_1RB_Right	23.55	/	/	24.90	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3750	Edge_1RB_Left	21.29	/	/	22.64	/	/	<=30	Pass
		Edge_1RB_Right	21.32	/	/	22.67	/	/	<=30	Pass
		Outer_Full	21.44	/	/	22.79	/	/	<=30	Pass
		Inner_Full	21.40	/	/	22.75	/	/	<=30	Pass
		Inner_1RB_Left	21.28	/	/	22.63	/	/	<=30	Pass
		Inner_1RB_Right	21.37	/	/	22.72	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.45	/	/	22.80	/	/	<=30	Pass
		Edge_1RB_Right	21.59	/	/	22.94	/	/	<=30	Pass
		Outer_Full	21.51	/	/	22.86	/	/	<=30	Pass

		Inner Full	21.39	/	/	22.74	/	/	<=30	Pass
		Inner 1RB Left	21.59	/	/	22.94	/	/	<=30	Pass
		Inner 1RB Right	21.54	/	/	22.89	/	/	<=30	Pass
	3930	Edge 1RB Left	21.73	/	/	23.08	/	/	<=30	Pass
		Edge 1RB Right	21.69	/	/	23.04	/	/	<=30	Pass
		Outer Full	21.63	/	/	22.98	/	/	<=30	Pass
		Inner Full	21.75	/	/	23.10	/	/	<=30	Pass
		Inner 1RB Left	21.78	/	/	23.13	/	/	<=30	Pass
		Inner 1RB Right	21.46	/	/	22.81	/	/	<=30	Pass
CP-OFDM QPSK	3750	Edge 1RB Left	22.51	/	/	23.86	/	/	<=30	Pass
		Edge 1RB Right	22.50	/	/	23.85	/	/	<=30	Pass
		Outer Full	22.99	/	/	24.34	/	/	<=30	Pass
		Inner Full	24.37	/	/	25.72	/	/	<=30	Pass
		Inner 1RB Left	24.63	/	/	25.98	/	/	<=30	Pass
		Inner 1RB Right	24.53	/	/	25.88	/	/	<=30	Pass
	3840	Edge 1RB Left	22.66	/	/	24.01	/	/	<=30	Pass
		Edge 1RB Right	22.80	/	/	24.15	/	/	<=30	Pass
		Outer Full	22.98	/	/	24.33	/	/	<=30	Pass
		Inner Full	24.36	/	/	25.71	/	/	<=30	Pass
		Inner 1RB Left	24.54	/	/	25.89	/	/	<=30	Pass
		Inner 1RB Right	24.71	/	/	26.06	/	/	<=30	Pass
	3930	Edge 1RB Left	22.88	/	/	24.23	/	/	<=30	Pass
		Edge 1RB Right	22.74	/	/	24.09	/	/	<=30	Pass
		Outer Full	23.15	/	/	24.50	/	/	<=30	Pass
		Inner Full	24.63	/	/	25.98	/	/	<=30	Pass
		Inner 1RB Left	24.89	/	/	26.24	/	/	<=30	Pass
		Inner 1RB Right	24.70	/	/	26.05	/	/	<=30	Pass
CP-OFDM 16 QAM	3750	Edge 1RB Left	22.30	/	/	23.65	/	/	<=30	Pass
		Edge 1RB Right	22.27	/	/	23.62	/	/	<=30	Pass
		Outer Full	22.90	/	/	24.25	/	/	<=30	Pass
		Inner Full	23.81	/	/	25.16	/	/	<=30	Pass
		Inner 1RB Left	23.85	/	/	25.20	/	/	<=30	Pass
		Inner 1RB Right	23.86	/	/	25.21	/	/	<=30	Pass
	3840	Edge 1RB Left	22.70	/	/	24.05	/	/	<=30	Pass
		Edge 1RB Right	22.65	/	/	24.00	/	/	<=30	Pass
		Outer Full	22.96	/	/	24.31	/	/	<=30	Pass
		Inner Full	23.89	/	/	25.24	/	/	<=30	Pass
		Inner 1RB Left	24.13	/	/	25.48	/	/	<=30	Pass
		Inner 1RB Right	24.17	/	/	25.52	/	/	<=30	Pass
	3930	Edge 1RB Left	22.75	/	/	24.10	/	/	<=30	Pass
		Edge 1RB Right	22.50	/	/	23.85	/	/	<=30	Pass
		Outer Full	23.21	/	/	24.56	/	/	<=30	Pass
		Inner Full	24.09	/	/	25.44	/	/	<=30	Pass
		Inner 1RB Left	24.12	/	/	25.47	/	/	<=30	Pass
		Inner 1RB Right	24.09	/	/	25.44	/	/	<=30	Pass
CP-OFDM 64 QAM	3750	Edge 1RB Left	22.39	/	/	23.74	/	/	<=30	Pass
		Edge 1RB Right	22.34	/	/	23.69	/	/	<=30	Pass
		Outer Full	22.44	/	/	23.79	/	/	<=30	Pass
		Inner Full	22.35	/	/	23.70	/	/	<=30	Pass
		Inner 1RB Left	22.54	/	/	23.89	/	/	<=30	Pass
		Inner 1RB Right	22.35	/	/	23.70	/	/	<=30	Pass
	3840	Edge 1RB Left	22.80	/	/	24.15	/	/	<=30	Pass
		Edge 1RB Right	22.93	/	/	24.28	/	/	<=30	Pass

CP-OFDM 256 QAM		Outer_Full	22.48	/	/	23.83	/	/	<=30	Pass
		Inner_Full	22.42	/	/	23.77	/	/	<=30	Pass
		Inner_1RB_Left	22.77	/	/	24.12	/	/	<=30	Pass
		Inner_1RB_Right	22.86	/	/	24.21	/	/	<=30	Pass
	3930	Edge_1RB_Left	22.87	/	/	24.22	/	/	<=30	Pass
		Edge_1RB_Right	22.65	/	/	24.00	/	/	<=30	Pass
		Outer_Full	22.76	/	/	24.11	/	/	<=30	Pass
		Inner_Full	22.78	/	/	24.13	/	/	<=30	Pass
		Inner_1RB_Left	22.79	/	/	24.14	/	/	<=30	Pass
		Inner_1RB_Right	22.53	/	/	23.88	/	/	<=30	Pass
	3750	Edge_1RB_Left	19.43	/	/	20.78	/	/	<=30	Pass
		Edge_1RB_Right	19.33	/	/	20.68	/	/	<=30	Pass
		Outer_Full	19.43	/	/	20.78	/	/	<=30	Pass
		Inner_Full	19.39	/	/	20.74	/	/	<=30	Pass
		Inner_1RB_Left	19.42	/	/	20.77	/	/	<=30	Pass
		Inner_1RB_Right	19.41	/	/	20.76	/	/	<=30	Pass
	3840	Edge_1RB_Left	19.64	/	/	20.99	/	/	<=30	Pass
		Edge_1RB_Right	19.79	/	/	21.14	/	/	<=30	Pass
		Outer_Full	19.41	/	/	20.76	/	/	<=30	Pass
		Inner_Full	19.38	/	/	20.73	/	/	<=30	Pass
		Inner_1RB_Left	19.70	/	/	21.05	/	/	<=30	Pass
		Inner_1RB_Right	19.78	/	/	21.13	/	/	<=30	Pass
	3930	Edge_1RB_Left	19.76	/	/	21.11	/	/	<=30	Pass
		Edge_1RB_Right	19.66	/	/	21.01	/	/	<=30	Pass
		Outer_Full	19.74	/	/	21.09	/	/	<=30	Pass
		Inner_Full	19.59	/	/	20.94	/	/	<=30	Pass
		Inner_1RB_Left	19.77	/	/	21.12	/	/	<=30	Pass
		Inner_1RB_Right	19.73	/	/	21.08	/	/	<=30	Pass

Note1: Antenna Gain: Ant6: 1.35dBi;
Note2: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 Test Result

2.1.1 30_S_100M

5G NR n77a SCS=30kHz SISO 100MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	15.20	0.0040	>=-2.5 & <=2.5	Pass
				HV	6.70	0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	12.90	0.0034	>=-2.5 & <=2.5	Pass
			-20	NV	-10.40	-0.0027	>=-2.5 & <=2.5	Pass
			-10	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
			0	NV	6.80	0.0018	>=-2.5 & <=2.5	Pass
			10	NV	9.70	0.0025	>=-2.5 & <=2.5	Pass
			20	NV	14.20	0.0037	>=-2.5 & <=2.5	Pass
			30	NV	13.80	0.0036	>=-2.5 & <=2.5	Pass
			40	NV	4.90	0.0013	>=-2.5 & <=2.5	Pass



			50	NV	10.70	0.0028	>=-2.5 & <=2.5	Pass
--	--	--	----	----	-------	--------	----------------	------

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 30_S_20M_NTNV

5G NR n77a SCS=30kHz SISO 20MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3840	Outer_Full	17.71	19.11	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	17.94	18.63	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	17.84	18.76	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	17.70	19.23	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	17.85	18.59	/	Pass
CP-OFDM QPSK	3840	Outer_Full	18.19	19.62	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	18.22	19.01	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	18.21	19.14	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	18.19	18.97	/	Pass

3.1.2 30_S_30M_NTNV

5G NR n77a SCS=30kHz SISO 30MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3840	Outer_Full	26.84	28.41	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	26.79	28.13	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	26.71	27.93	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	26.91	28.16	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	26.81	27.80	/	Pass
CP-OFDM QPSK	3840	Outer_Full	27.91	29.84	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	27.95	29.05	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	27.76	28.82	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	27.92	29.17	/	Pass

3.1.3 30_S_40M_NTNV

5G NR n77a SCS=30kHz SISO 40MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3840	Outer_Full	36.07	38.32	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	36.17	38.63	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	35.76	38.12	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	36.09	38.35	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	36.08	38.20	/	Pass



Report No.: SUCR260400031710

Page: 22 of 112

CP-OFDM QPSK	3840	Outer_Full	38.05	40.09	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	37.80	40.29	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	38.00	40.43	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	37.95	40.50	/	Pass

3.1.4 30_S_60M_NTNV

5G NR n77a SCS=30kHz SISO 60MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3840	Outer_Full	57.80	60.42	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	58.29	60.38	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	57.99	60.71	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	57.94	60.46	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	58.13	60.36	/	Pass
CP-OFDM QPSK	3840	Outer_Full	58.26	62.21	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	57.96	60.58	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	57.64	60.50	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	58.01	60.66	/	Pass

3.1.5 30_S_80M_NTNV

5G NR n77a SCS=30kHz SISO 80MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3840	Outer_Full	77.04	79.77	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	76.98	80.87	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	77.31	79.82	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	71.34	73.53	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	76.84	79.87	/	Pass
CP-OFDM QPSK	3840	Outer_Full	77.80	79.96	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	77.19	80.62	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	77.69	80.17	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	77.40	80.34	/	Pass

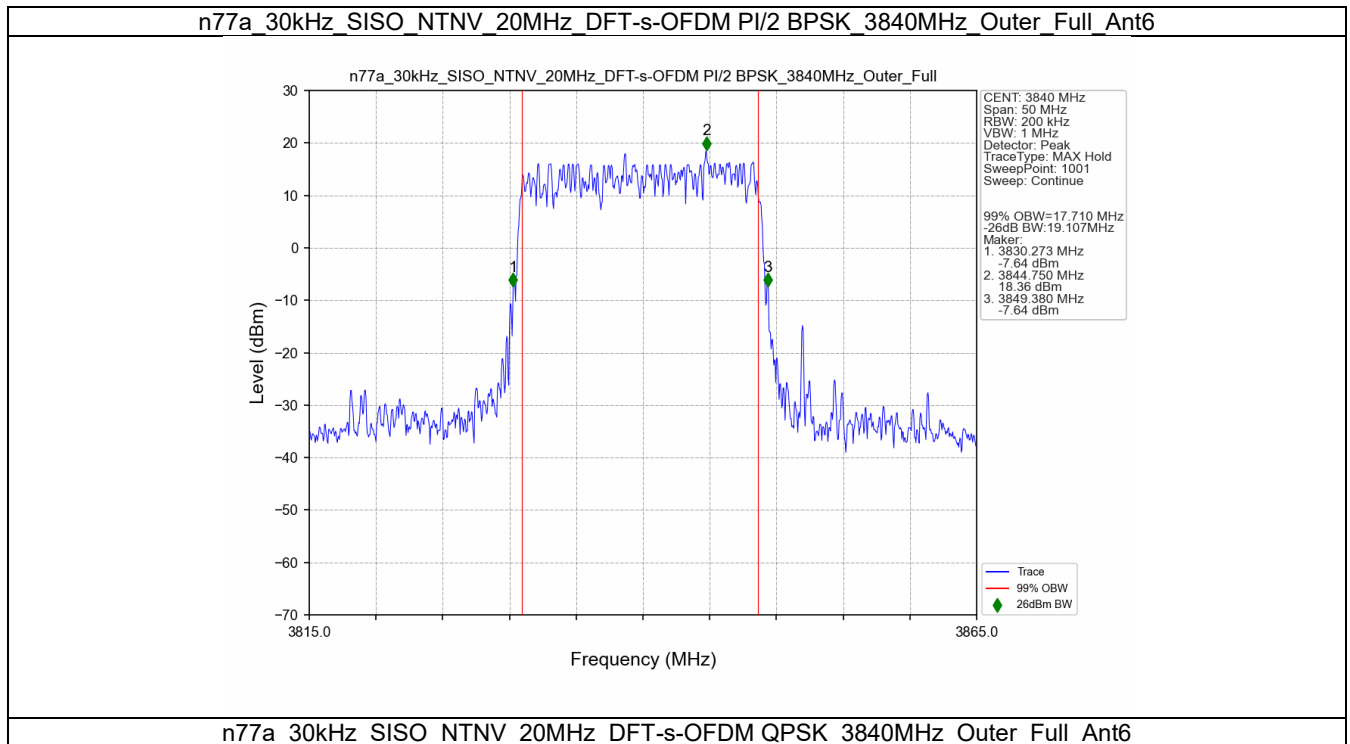
3.1.6 30_S_100M_NTNV

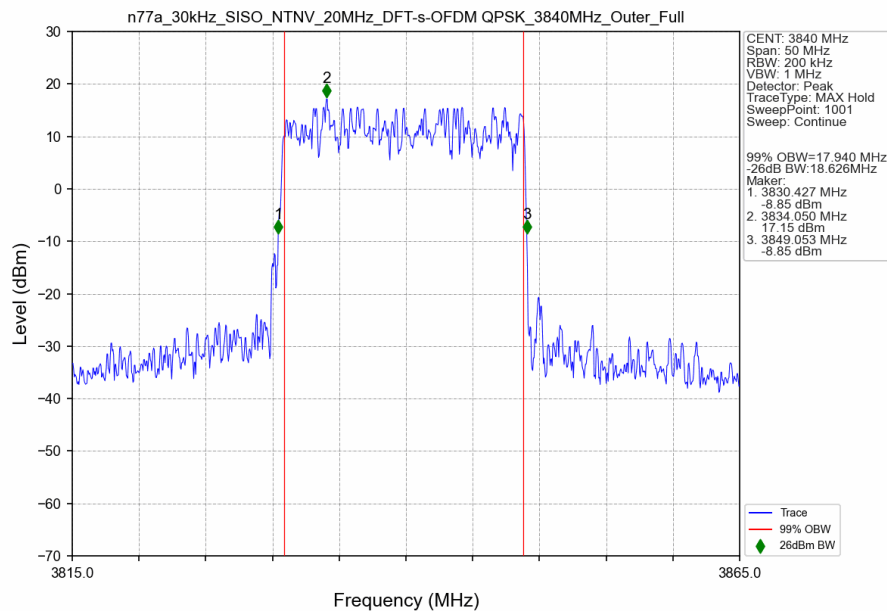
5G NR n77a SCS=30kHz SISO 100MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3840	Outer_Full	96.64	99.44	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	96.48	99.41	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	96.30	99.90	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	96.31	99.37	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	96.39	99.39	/	Pass
CP-OFDM QPSK	3840	Outer_Full	97.51	100.48	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	97.31	100.91	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	97.15	100.62	/	Pass

CP-OFDM 256 QAM	3840	Outer_Full	97.46	100.55	/	Pass
-----------------	------	------------	-------	--------	---	------

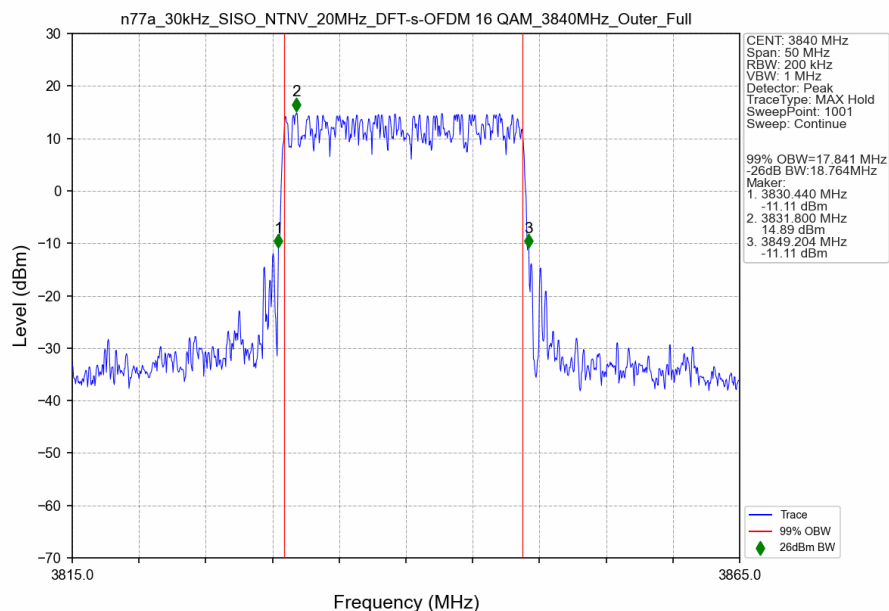
3.2 Test Graph

3.2.1 30_S_20M_NTNV

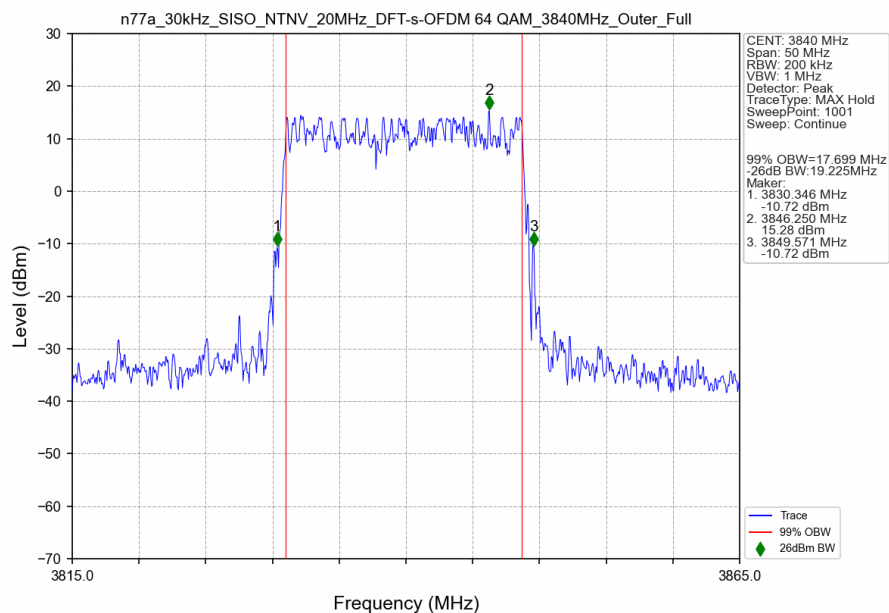




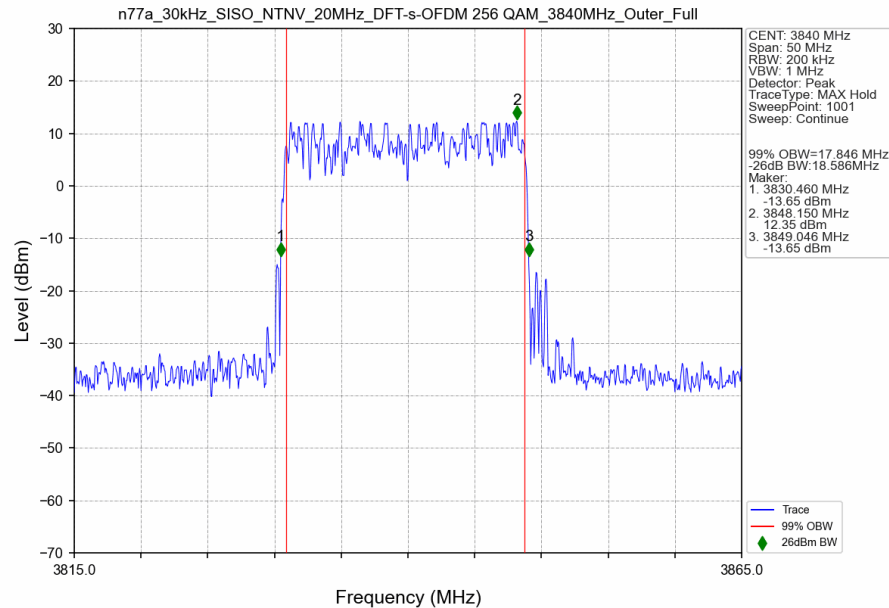
n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 16 QAM_3840MHz_Outer_Full_Ant6



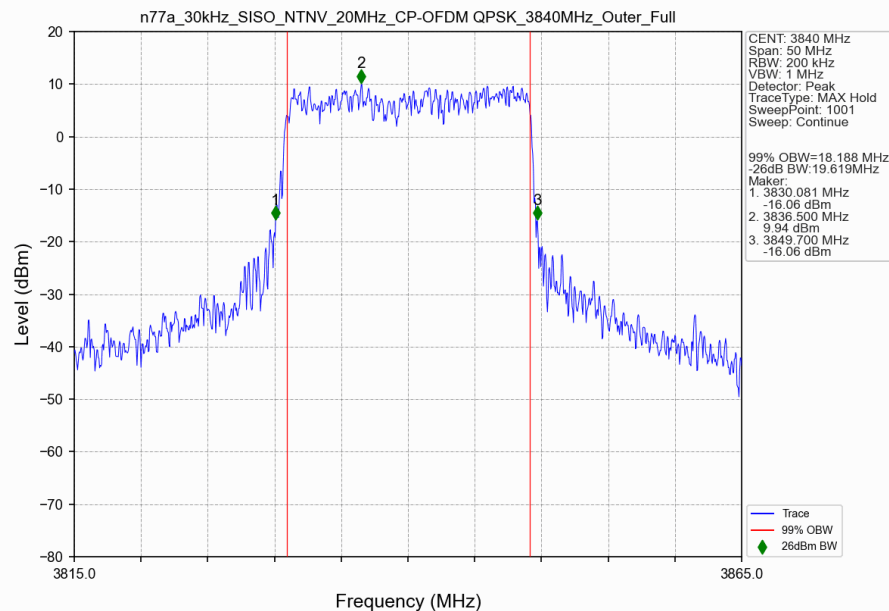
n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM 64 QAM_3840MHz_Outer_Full_Ant6



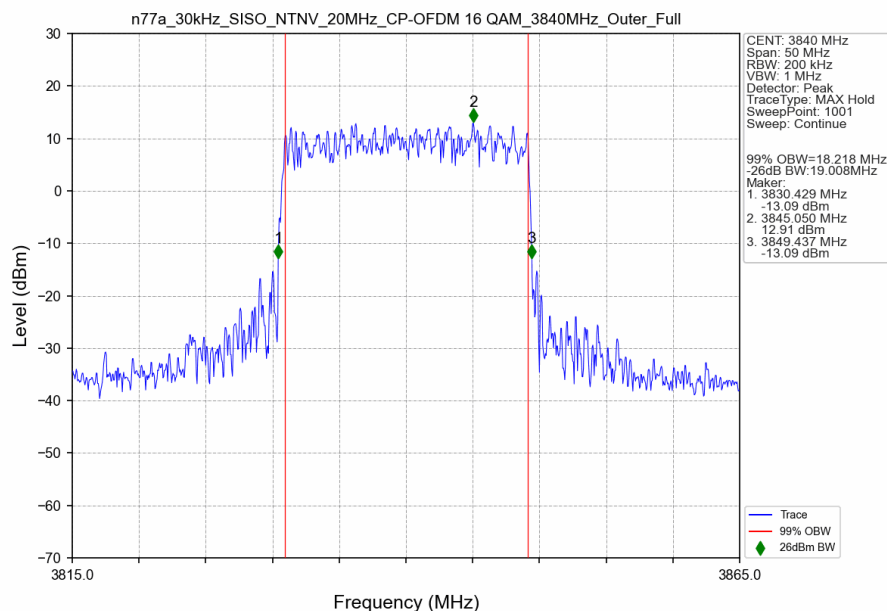
n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_3840MHz_Outer_Full_Ant6



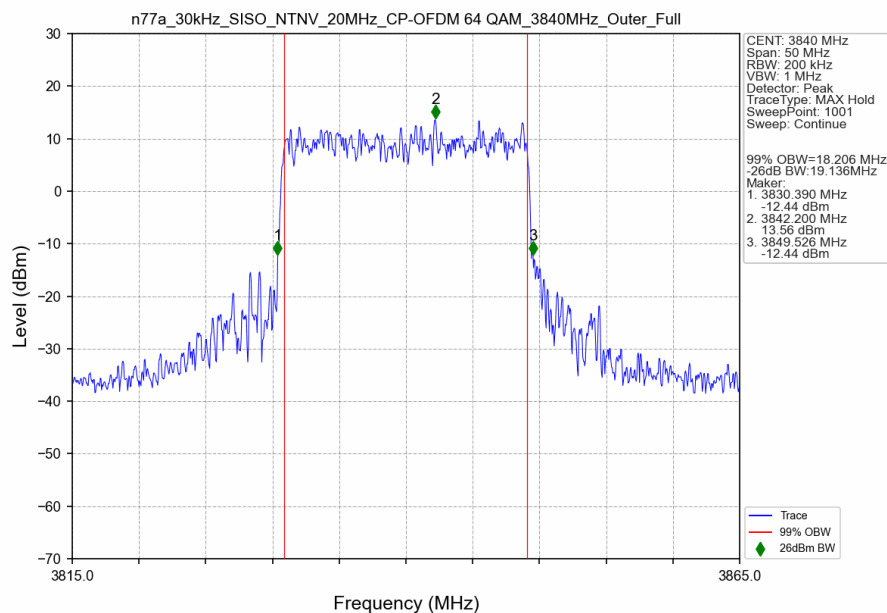
n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_3840MHz_Outer_Full_Ant6



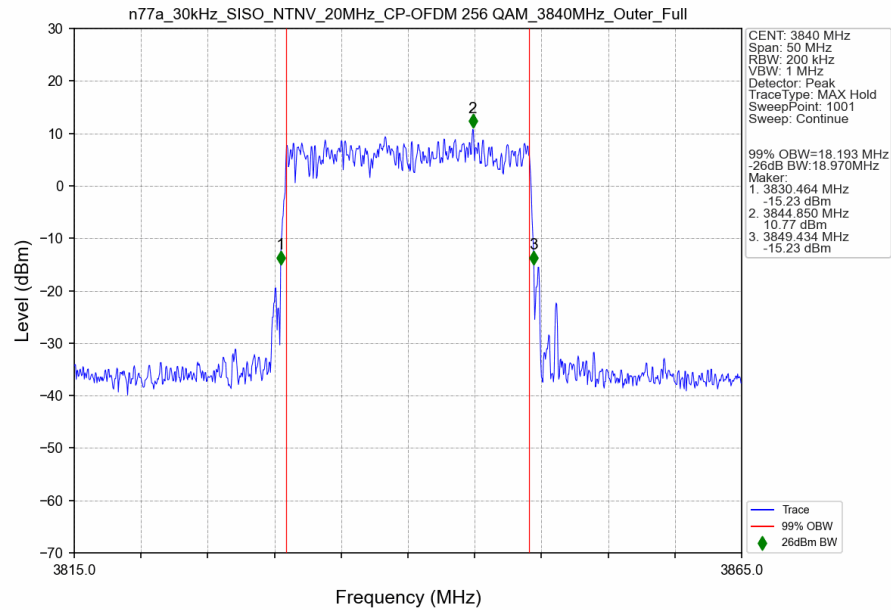
n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM 16 QAM 3840MHz_Outer_Full_Ant6



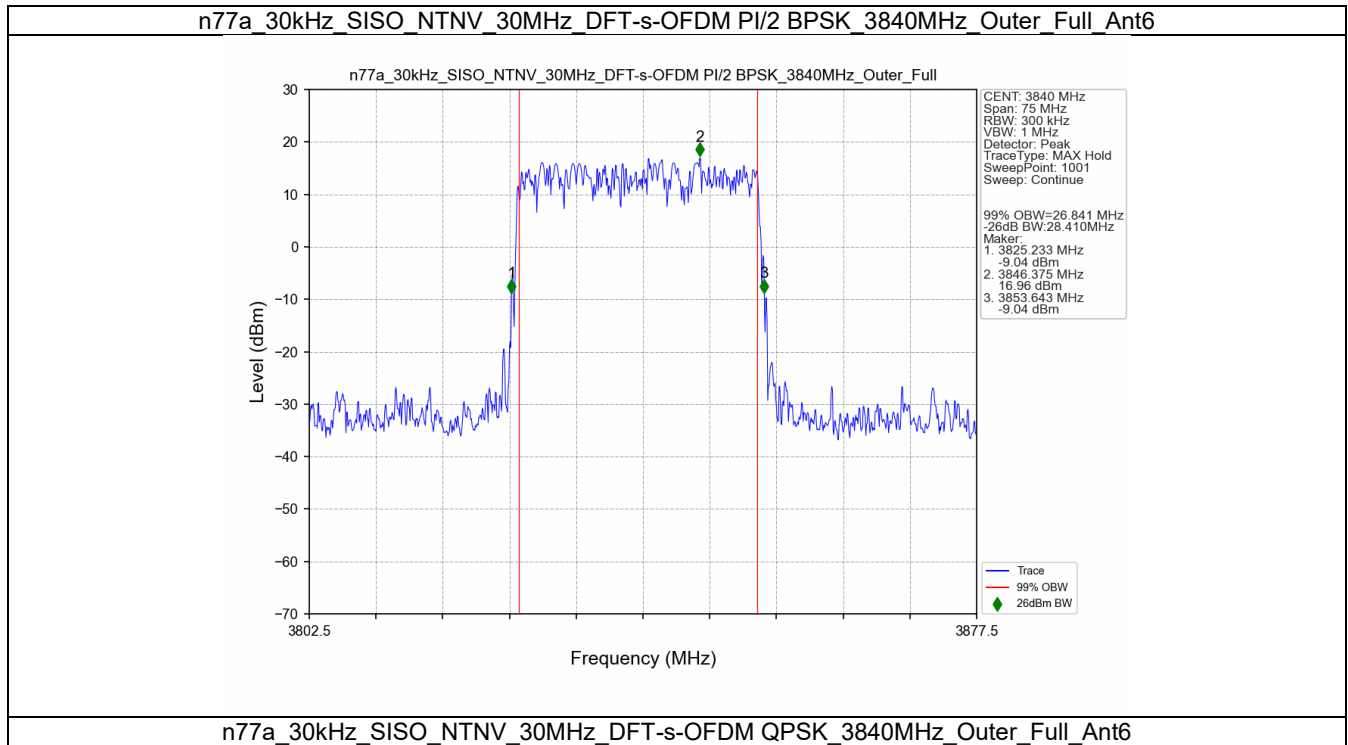
n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM 3840MHz_Outer_Full_Ant6

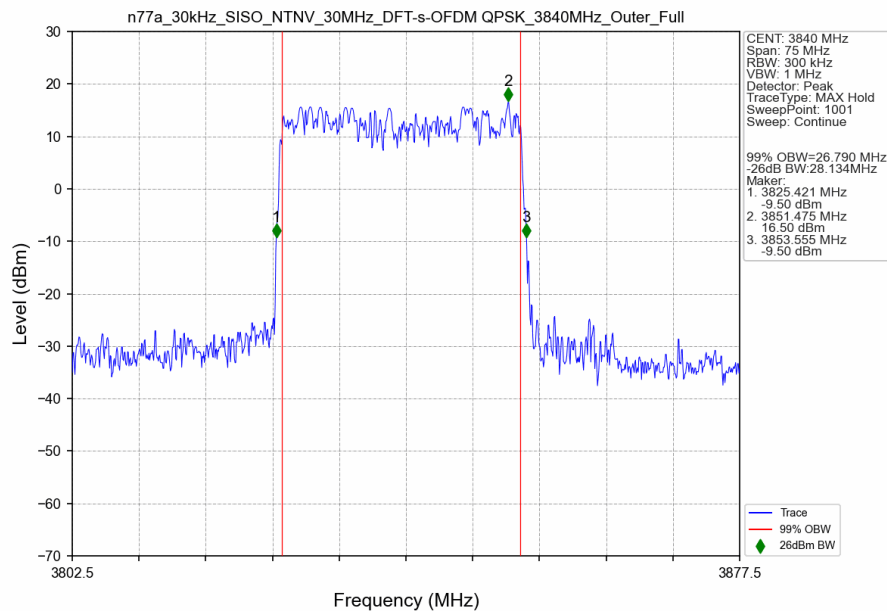


n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_3840MHz_Outer_Full_Ant6

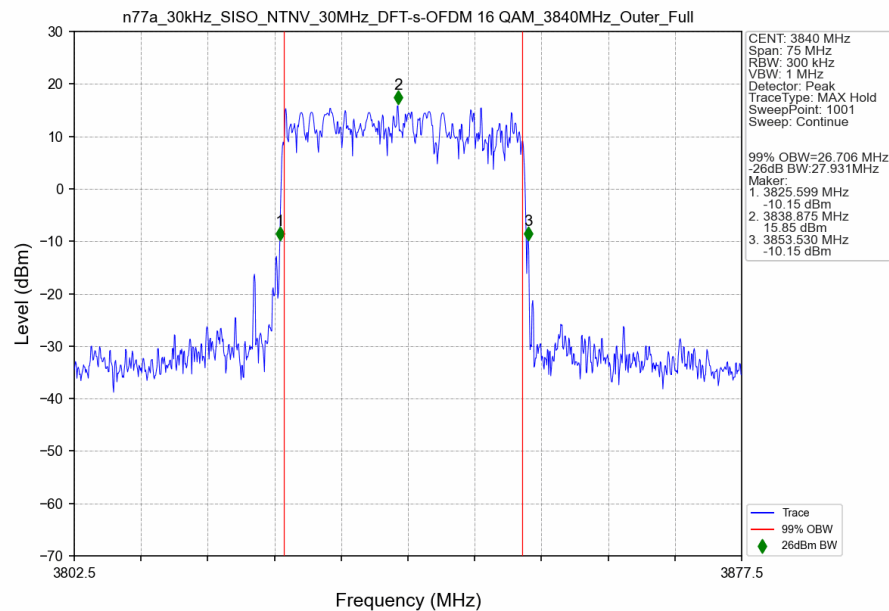


3.2.2 30_S_30M_NTNV

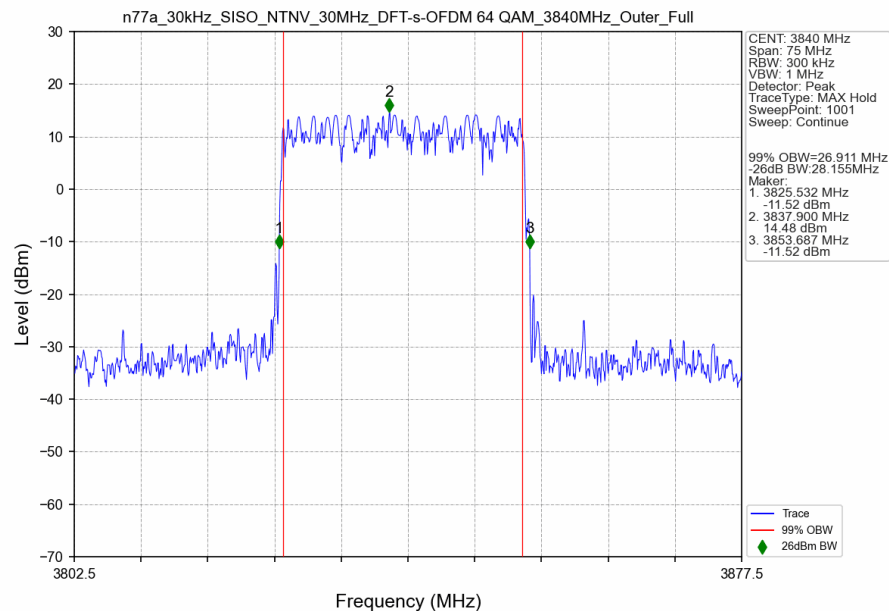




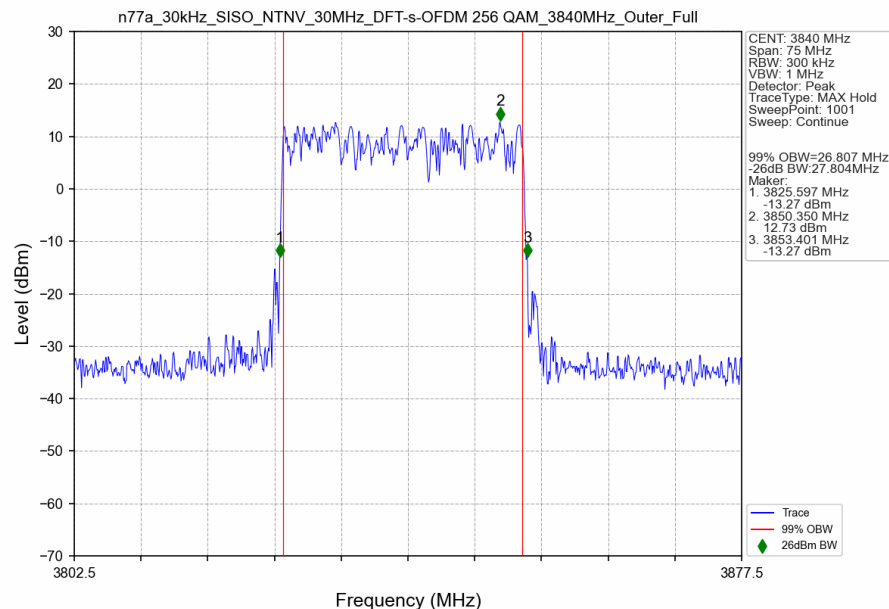
n77a_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 16 QAM_3840MHz_Outer_Full_Ant6



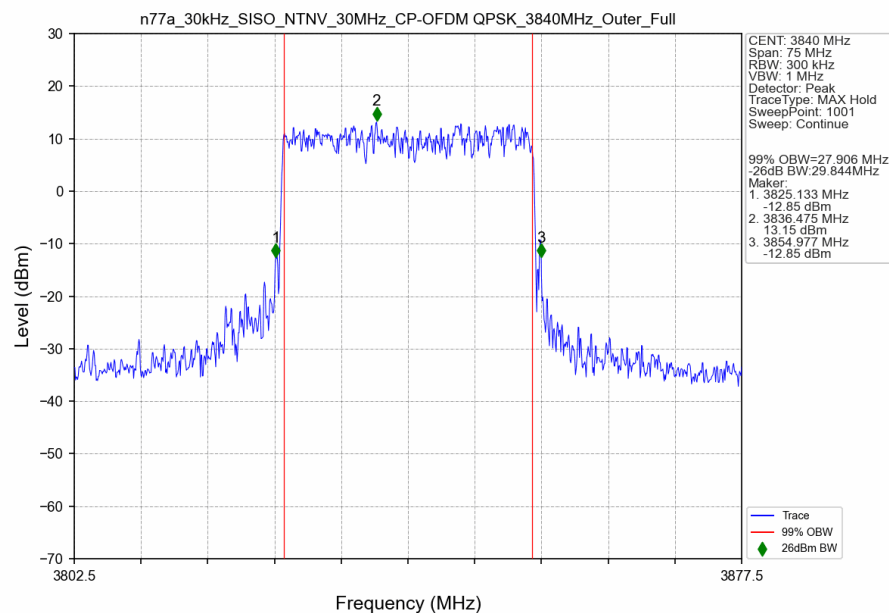
n77a_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 64 QAM_3840MHz_Outer_Full_Ant6



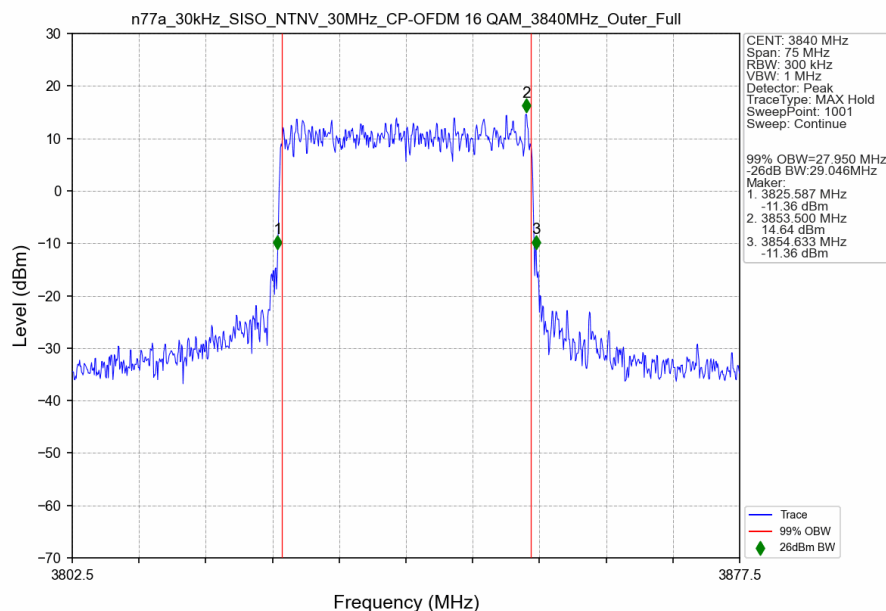
n77a_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 256 QAM_3840MHz_Outer_Full_Ant6



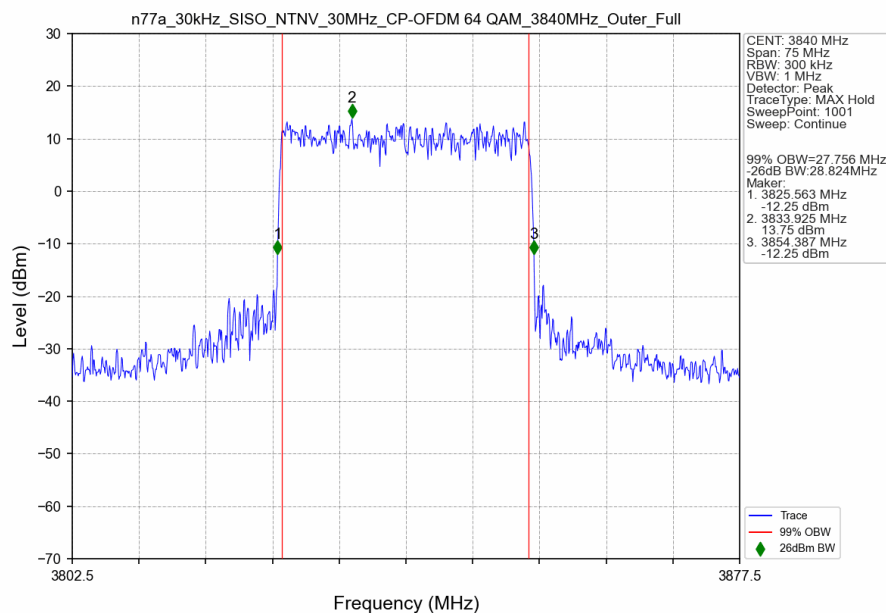
n77a_30kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_3840MHz_Outer_Full_Ant6



n77a_30kHz_SISO_NTNV_30MHz_CP-OFDM 16 QAM 3840MHz_Outer_Full_Ant6



n77a_30kHz_SISO_NTNV_30MHz_CP-OFDM 64 QAM 3840MHz_Outer_Full_Ant6



n77a_30kHz_SISO_NTNV_30MHz_CP-OFDM 256 QAM_3840MHz_Outer_Full_Ant6

