

nxin1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 15k_SISO_10MHz_NTNV_EIRP

5G NR n77a SCS=15kHz SISO 10MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3705	Edge_1RB_Left	20.56	/	/	22.63	/	/	<=30	Pass
		Edge_1RB_Right	20.52	/	/	22.59	/	/	<=30	Pass
		Outer_Full	21.77	/	/	23.84	/	/	<=30	Pass
		Inner_Full	21.92	/	/	23.99	/	/	<=30	Pass
		Inner_1RB_Left	21.91	/	/	23.98	/	/	<=30	Pass
		Inner_1RB_Right	21.78	/	/	23.85	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.21	/	/	24.28	/	/	<=30	Pass
		Edge_1RB_Right	22.13	/	/	24.20	/	/	<=30	Pass
		Outer_Full	23.24	/	/	25.31	/	/	<=30	Pass
		Inner_Full	23.48	/	/	25.55	/	/	<=30	Pass
		Inner_1RB_Left	23.37	/	/	25.44	/	/	<=30	Pass
		Inner_1RB_Right	23.33	/	/	25.40	/	/	<=30	Pass
	3975	Edge_1RB_Left	19.94	/	/	22.01	/	/	<=30	Pass
		Edge_1RB_Right	19.93	/	/	22.00	/	/	<=30	Pass
		Outer_Full	21.05	/	/	23.12	/	/	<=30	Pass
		Inner_Full	21.29	/	/	23.36	/	/	<=30	Pass
		Inner_1RB_Left	21.19	/	/	23.26	/	/	<=30	Pass
		Inner_1RB_Right	21.20	/	/	23.27	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3705	Edge_1RB_Left	20.28	/	/	22.35	/	/	<=30	Pass
		Edge_1RB_Right	20.19	/	/	22.26	/	/	<=30	Pass
		Outer_Full	21.07	/	/	23.14	/	/	<=30	Pass
		Inner_Full	21.50	/	/	23.57	/	/	<=30	Pass
		Inner_1RB_Left	21.37	/	/	23.44	/	/	<=30	Pass
		Inner_1RB_Right	21.22	/	/	23.29	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.97	/	/	24.04	/	/	<=30	Pass
		Edge_1RB_Right	21.92	/	/	23.99	/	/	<=30	Pass
		Outer_Full	22.67	/	/	24.74	/	/	<=30	Pass
		Inner_Full	23.09	/	/	25.16	/	/	<=30	Pass
		Inner_1RB_Left	22.96	/	/	25.03	/	/	<=30	Pass
		Inner_1RB_Right	22.91	/	/	24.98	/	/	<=30	Pass
	3975	Edge_1RB_Left	19.84	/	/	21.91	/	/	<=30	Pass
		Edge_1RB_Right	19.86	/	/	21.93	/	/	<=30	Pass
		Outer_Full	20.44	/	/	22.51	/	/	<=30	Pass
		Inner_Full	20.83	/	/	22.90	/	/	<=30	Pass
		Inner_1RB_Left	20.82	/	/	22.89	/	/	<=30	Pass
		Inner_1RB_Right	20.85	/	/	22.92	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3705	Edge_1RB_Left	20.33	/	/	22.40	/	/	<=30	Pass
		Edge_1RB_Right	20.25	/	/	22.32	/	/	<=30	Pass
		Outer_Full	20.92	/	/	22.99	/	/	<=30	Pass
		Inner_Full	20.94	/	/	23.01	/	/	<=30	Pass
		Inner_1RB_Left	20.80	/	/	22.87	/	/	<=30	Pass
		Inner_1RB_Right	20.67	/	/	22.74	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.97	/	/	24.04	/	/	<=30	Pass
		Edge_1RB_Right	21.92	/	/	23.99	/	/	<=30	Pass
		Outer_Full	22.53	/	/	24.60	/	/	<=30	Pass
		Inner_Full	22.59	/	/	24.66	/	/	<=30	Pass
		Inner_1RB_Left	22.36	/	/	24.43	/	/	<=30	Pass
		Inner_1RB_Right	22.32	/	/	24.39	/	/	<=30	Pass
	3975	Edge_1RB_Left	19.81	/	/	21.88	/	/	<=30	Pass

		Edge 1RB Right	19.83	/	/	21.90	/	/	<=30	Pass
		Outer Full	20.25	/	/	22.32	/	/	<=30	Pass
		Inner Full	20.26	/	/	22.33	/	/	<=30	Pass
		Inner 1RB Left	20.30	/	/	22.37	/	/	<=30	Pass
		Inner 1RB Right	20.32	/	/	22.39	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3705	Edge 1RB Left	19.84	/	/	21.91	/	/	<=30	Pass
		Edge 1RB Right	19.75	/	/	21.82	/	/	<=30	Pass
		Outer Full	19.89	/	/	21.96	/	/	<=30	Pass
		Inner Full	19.93	/	/	22.00	/	/	<=30	Pass
		Inner 1RB Left	19.84	/	/	21.91	/	/	<=30	Pass
		Inner 1RB Right	19.75	/	/	21.82	/	/	<=30	Pass
	3840	Edge 1RB Left	21.59	/	/	23.66	/	/	<=30	Pass
		Edge 1RB Right	21.53	/	/	23.60	/	/	<=30	Pass
		Outer Full	21.65	/	/	23.72	/	/	<=30	Pass
		Inner Full	21.73	/	/	23.80	/	/	<=30	Pass
		Inner 1RB Left	21.60	/	/	23.67	/	/	<=30	Pass
		Inner 1RB Right	21.54	/	/	23.61	/	/	<=30	Pass
	3975	Edge 1RB Left	19.11	/	/	21.18	/	/	<=30	Pass
		Edge 1RB Right	19.10	/	/	21.17	/	/	<=30	Pass
		Outer Full	19.32	/	/	21.39	/	/	<=30	Pass
		Inner Full	19.31	/	/	21.38	/	/	<=30	Pass
		Inner 1RB Left	19.11	/	/	21.18	/	/	<=30	Pass
		Inner 1RB Right	19.10	/	/	21.17	/	/	<=30	Pass
CP-OFDM QPSK	3705	Edge 1RB Left	19.95	/	/	22.02	/	/	<=30	Pass
		Edge 1RB Right	19.98	/	/	22.05	/	/	<=30	Pass
		Outer Full	20.25	/	/	22.32	/	/	<=30	Pass
		Inner Full	20.84	/	/	22.91	/	/	<=30	Pass
		Inner 1RB Left	20.92	/	/	22.99	/	/	<=30	Pass
		Inner 1RB Right	20.79	/	/	22.86	/	/	<=30	Pass
	3840	Edge 1RB Left	21.79	/	/	23.86	/	/	<=30	Pass
		Edge 1RB Right	21.76	/	/	23.83	/	/	<=30	Pass
		Outer Full	21.94	/	/	24.01	/	/	<=30	Pass
		Inner Full	22.56	/	/	24.63	/	/	<=30	Pass
		Inner 1RB Left	22.62	/	/	24.69	/	/	<=30	Pass
		Inner 1RB Right	22.51	/	/	24.58	/	/	<=30	Pass
	3975	Edge 1RB Left	19.53	/	/	21.60	/	/	<=30	Pass
		Edge 1RB Right	19.59	/	/	21.66	/	/	<=30	Pass
		Outer Full	19.59	/	/	21.66	/	/	<=30	Pass
		Inner Full	20.26	/	/	22.33	/	/	<=30	Pass
		Inner 1RB Left	20.40	/	/	22.47	/	/	<=30	Pass
		Inner 1RB Right	20.35	/	/	22.42	/	/	<=30	Pass
CP-OFDM 16 QAM	3705	Edge 1RB Left	19.92	/	/	21.99	/	/	<=30	Pass
		Edge 1RB Right	19.89	/	/	21.96	/	/	<=30	Pass
		Outer Full	20.14	/	/	22.21	/	/	<=30	Pass
		Inner Full	20.71	/	/	22.78	/	/	<=30	Pass
		Inner 1RB Left	20.77	/	/	22.84	/	/	<=30	Pass
		Inner 1RB Right	20.59	/	/	22.66	/	/	<=30	Pass
	3840	Edge 1RB Left	21.63	/	/	23.70	/	/	<=30	Pass
		Edge 1RB Right	21.66	/	/	23.73	/	/	<=30	Pass
		Outer Full	21.88	/	/	23.95	/	/	<=30	Pass
		Inner Full	22.44	/	/	24.51	/	/	<=30	Pass
		Inner 1RB Left	22.43	/	/	24.50	/	/	<=30	Pass
		Inner 1RB Right	22.32	/	/	24.39	/	/	<=30	Pass
	3975	Edge 1RB Left	19.55	/	/	21.62	/	/	<=30	Pass
		Edge 1RB Right	19.64	/	/	21.71	/	/	<=30	Pass
		Outer Full	19.57	/	/	21.64	/	/	<=30	Pass
		Inner Full	20.10	/	/	22.17	/	/	<=30	Pass
		Inner 1RB Left	20.24	/	/	22.31	/	/	<=30	Pass
		Inner 1RB Right	20.19	/	/	22.26	/	/	<=30	Pass

CP-OFDM 64 QAM	3705	Edge 1RB Left	20.08	/	/	22.15	/	/	<=30	Pass
		Edge 1RB Right	20.04	/	/	22.11	/	/	<=30	Pass
		Outer Full	20.00	/	/	22.07	/	/	<=30	Pass
		Inner Full	20.05	/	/	22.12	/	/	<=30	Pass
		Inner 1RB Left	20.17	/	/	22.24	/	/	<=30	Pass
		Inner 1RB Right	20.01	/	/	22.08	/	/	<=30	Pass
	3840	Edge 1RB Left	21.85	/	/	23.92	/	/	<=30	Pass
		Edge 1RB Right	21.88	/	/	23.95	/	/	<=30	Pass
		Outer Full	21.77	/	/	23.84	/	/	<=30	Pass
		Inner Full	21.84	/	/	23.91	/	/	<=30	Pass
		Inner 1RB Left	21.95	/	/	24.02	/	/	<=30	Pass
		Inner 1RB Right	21.85	/	/	23.92	/	/	<=30	Pass
	3975	Edge 1RB Left	19.54	/	/	21.61	/	/	<=30	Pass
		Edge 1RB Right	19.62	/	/	21.69	/	/	<=30	Pass
		Outer Full	19.40	/	/	21.47	/	/	<=30	Pass
		Inner Full	19.45	/	/	21.52	/	/	<=30	Pass
		Inner 1RB Left	19.64	/	/	21.71	/	/	<=30	Pass
		Inner 1RB Right	19.59	/	/	21.66	/	/	<=30	Pass
CP-OFDM 256 QAM	3705	Edge 1RB Left	18.22	/	/	20.29	/	/	<=30	Pass
		Edge 1RB Right	18.24	/	/	20.31	/	/	<=30	Pass
		Outer Full	18.24	/	/	20.31	/	/	<=30	Pass
		Inner Full	18.28	/	/	20.35	/	/	<=30	Pass
		Inner 1RB Left	18.32	/	/	20.39	/	/	<=30	Pass
		Inner 1RB Right	18.22	/	/	20.29	/	/	<=30	Pass
	3840	Edge 1RB Left	20.26	/	/	22.33	/	/	<=30	Pass
		Edge 1RB Right	20.28	/	/	22.35	/	/	<=30	Pass
		Outer Full	20.21	/	/	22.28	/	/	<=30	Pass
		Inner Full	20.30	/	/	22.37	/	/	<=30	Pass
		Inner 1RB Left	20.38	/	/	22.45	/	/	<=30	Pass
		Inner 1RB Right	20.27	/	/	22.34	/	/	<=30	Pass
	3975	Edge 1RB Left	17.66	/	/	19.73	/	/	<=30	Pass
		Edge 1RB Right	17.71	/	/	19.78	/	/	<=30	Pass
		Outer Full	17.73	/	/	19.80	/	/	<=30	Pass
		Inner Full	17.79	/	/	19.86	/	/	<=30	Pass
		Inner 1RB Left	17.77	/	/	19.84	/	/	<=30	Pass
		Inner 1RB Right	17.69	/	/	19.76	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: 2.07dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.2 15k_SISO_15MHz_NTNV_EIRP

5G NR n77a SCS=15kHz SISO 15MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3707.505	Edge 1RB Left	20.74	/	/	22.81	/	/	<=30	Pass
		Edge 1RB Right	20.68	/	/	22.75	/	/	<=30	Pass
		Outer Full	21.85	/	/	23.92	/	/	<=30	Pass
		Inner Full	22.00	/	/	24.07	/	/	<=30	Pass
		Inner 1RB Left	22.01	/	/	24.08	/	/	<=30	Pass
		Inner 1RB Right	21.82	/	/	23.89	/	/	<=30	Pass
	3840	Edge 1RB Left	22.29	/	/	24.36	/	/	<=30	Pass
		Edge 1RB Right	22.21	/	/	24.28	/	/	<=30	Pass
		Outer Full	23.43	/	/	25.50	/	/	<=30	Pass
		Inner Full	23.62	/	/	25.69	/	/	<=30	Pass
		Inner 1RB Left	23.42	/	/	25.49	/	/	<=30	Pass
		Inner 1RB Right	23.37	/	/	25.44	/	/	<=30	Pass
	3972.495	Edge 1RB Left	19.99	/	/	22.06	/	/	<=30	Pass
		Edge 1RB Right	20.00	/	/	22.07	/	/	<=30	Pass

		Outer Full	21.09	/	/	23.16	/	/	<=30	Pass
		Inner Full	21.31	/	/	23.38	/	/	<=30	Pass
		Inner 1RB Left	21.18	/	/	23.25	/	/	<=30	Pass
		Inner 1RB Right	21.22	/	/	23.29	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3707.505	Edge 1RB Left	20.72	/	/	22.79	/	/	<=30	Pass
		Edge 1RB Right	20.54	/	/	22.61	/	/	<=30	Pass
		Outer Full	21.22	/	/	23.29	/	/	<=30	Pass
		Inner Full	21.59	/	/	23.66	/	/	<=30	Pass
		Inner 1RB Left	21.66	/	/	23.73	/	/	<=30	Pass
		Inner 1RB Right	21.39	/	/	23.46	/	/	<=30	Pass
	3840	Edge 1RB Left	21.93	/	/	24.00	/	/	<=30	Pass
		Edge 1RB Right	21.88	/	/	23.95	/	/	<=30	Pass
		Outer Full	22.78	/	/	24.85	/	/	<=30	Pass
		Inner Full	23.11	/	/	25.18	/	/	<=30	Pass
		Inner 1RB Left	22.87	/	/	24.94	/	/	<=30	Pass
		Inner 1RB Right	22.81	/	/	24.88	/	/	<=30	Pass
	3972.495	Edge 1RB Left	19.68	/	/	21.75	/	/	<=30	Pass
		Edge 1RB Right	19.73	/	/	21.80	/	/	<=30	Pass
		Outer Full	20.54	/	/	22.61	/	/	<=30	Pass
		Inner Full	20.86	/	/	22.93	/	/	<=30	Pass
		Inner 1RB Left	20.70	/	/	22.77	/	/	<=30	Pass
		Inner 1RB Right	20.77	/	/	22.84	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3707.505	Edge 1RB Left	20.77	/	/	22.84	/	/	<=30	Pass
		Edge 1RB Right	20.59	/	/	22.66	/	/	<=30	Pass
		Outer Full	21.05	/	/	23.12	/	/	<=30	Pass
		Inner Full	21.04	/	/	23.11	/	/	<=30	Pass
		Inner 1RB Left	21.13	/	/	23.20	/	/	<=30	Pass
		Inner 1RB Right	20.91	/	/	22.98	/	/	<=30	Pass
	3840	Edge 1RB Left	22.21	/	/	24.28	/	/	<=30	Pass
		Edge 1RB Right	22.17	/	/	24.24	/	/	<=30	Pass
		Outer Full	22.61	/	/	24.68	/	/	<=30	Pass
		Inner Full	22.65	/	/	24.72	/	/	<=30	Pass
		Inner 1RB Left	22.66	/	/	24.73	/	/	<=30	Pass
		Inner 1RB Right	22.61	/	/	24.68	/	/	<=30	Pass
	3972.495	Edge 1RB Left	19.93	/	/	22.00	/	/	<=30	Pass
		Edge 1RB Right	19.99	/	/	22.06	/	/	<=30	Pass
		Outer Full	20.36	/	/	22.43	/	/	<=30	Pass
		Inner Full	20.33	/	/	22.40	/	/	<=30	Pass
		Inner 1RB Left	20.36	/	/	22.43	/	/	<=30	Pass
		Inner 1RB Right	20.43	/	/	22.50	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3707.505	Edge 1RB Left	19.99	/	/	22.06	/	/	<=30	Pass
		Edge 1RB Right	19.82	/	/	21.89	/	/	<=30	Pass
		Outer Full	20.16	/	/	22.23	/	/	<=30	Pass
		Inner Full	20.15	/	/	22.22	/	/	<=30	Pass
		Inner 1RB Left	19.99	/	/	22.06	/	/	<=30	Pass
		Inner 1RB Right	19.81	/	/	21.88	/	/	<=30	Pass
	3840	Edge 1RB Left	21.64	/	/	23.71	/	/	<=30	Pass
		Edge 1RB Right	21.58	/	/	23.65	/	/	<=30	Pass
		Outer Full	21.82	/	/	23.89	/	/	<=30	Pass
		Inner Full	21.84	/	/	23.91	/	/	<=30	Pass
		Inner 1RB Left	21.64	/	/	23.71	/	/	<=30	Pass
		Inner 1RB Right	21.59	/	/	23.66	/	/	<=30	Pass
	3972.495	Edge 1RB Left	19.27	/	/	21.34	/	/	<=30	Pass
		Edge 1RB Right	19.30	/	/	21.37	/	/	<=30	Pass
		Outer Full	19.45	/	/	21.52	/	/	<=30	Pass
		Inner Full	19.41	/	/	21.48	/	/	<=30	Pass
		Inner 1RB Left	19.27	/	/	21.34	/	/	<=30	Pass
		Inner 1RB Right	19.30	/	/	21.37	/	/	<=30	Pass
CP-OFDM QPSK	3707.505	Edge 1RB Left	20.28	/	/	22.35	/	/	<=30	Pass

		Edge 1RB Right	20.25	/	/	22.32	/	/	<=30	Pass
		Outer Full	20.44	/	/	22.51	/	/	<=30	Pass
		Inner Full	20.98	/	/	23.05	/	/	<=30	Pass
		Inner 1RB Left	21.24	/	/	23.31	/	/	<=30	Pass
		Inner 1RB Right	21.11	/	/	23.18	/	/	<=30	Pass
	3840	Edge 1RB Left	21.86	/	/	23.93	/	/	<=30	Pass
		Edge 1RB Right	21.80	/	/	23.87	/	/	<=30	Pass
		Outer Full	22.04	/	/	24.11	/	/	<=30	Pass
		Inner Full	22.60	/	/	24.67	/	/	<=30	Pass
		Inner 1RB Left	22.71	/	/	24.78	/	/	<=30	Pass
	3972.495	Inner 1RB Right	22.67	/	/	24.74	/	/	<=30	Pass
		Edge 1RB Left	19.56	/	/	21.63	/	/	<=30	Pass
		Edge 1RB Right	19.63	/	/	21.70	/	/	<=30	Pass
		Outer Full	19.71	/	/	21.78	/	/	<=30	Pass
		Inner Full	20.28	/	/	22.35	/	/	<=30	Pass
CP-OFDM 16 QAM	3707.505	Inner 1RB Left	20.42	/	/	22.49	/	/	<=30	Pass
		Inner 1RB Right	20.46	/	/	22.53	/	/	<=30	Pass
		Edge 1RB Left	20.37	/	/	22.44	/	/	<=30	Pass
		Edge 1RB Right	20.22	/	/	22.29	/	/	<=30	Pass
		Outer Full	20.38	/	/	22.45	/	/	<=30	Pass
	3840	Inner Full	20.85	/	/	22.92	/	/	<=30	Pass
		Inner 1RB Left	21.11	/	/	23.18	/	/	<=30	Pass
		Inner 1RB Right	20.90	/	/	22.97	/	/	<=30	Pass
		Edge 1RB Left	21.74	/	/	23.81	/	/	<=30	Pass
		Edge 1RB Right	21.74	/	/	23.81	/	/	<=30	Pass
	3972.495	Outer Full	22.02	/	/	24.09	/	/	<=30	Pass
		Inner Full	22.50	/	/	24.57	/	/	<=30	Pass
		Inner 1RB Left	22.44	/	/	24.51	/	/	<=30	Pass
		Inner 1RB Right	22.41	/	/	24.48	/	/	<=30	Pass
		Edge 1RB Left	19.41	/	/	21.48	/	/	<=30	Pass
CP-OFDM 64 QAM	3707.505	Edge 1RB Right	19.53	/	/	21.60	/	/	<=30	Pass
		Outer Full	19.70	/	/	21.77	/	/	<=30	Pass
		Inner Full	20.13	/	/	22.20	/	/	<=30	Pass
		Inner 1RB Left	20.08	/	/	22.15	/	/	<=30	Pass
		Inner 1RB Right	20.16	/	/	22.23	/	/	<=30	Pass
	3840	Edge 1RB Left	20.35	/	/	22.42	/	/	<=30	Pass
		Edge 1RB Right	20.19	/	/	22.26	/	/	<=30	Pass
		Outer Full	20.21	/	/	22.28	/	/	<=30	Pass
		Inner Full	20.22	/	/	22.29	/	/	<=30	Pass
		Inner 1RB Left	20.45	/	/	22.52	/	/	<=30	Pass
	3972.495	Inner 1RB Right	20.26	/	/	22.33	/	/	<=30	Pass
		Edge 1RB Left	21.98	/	/	24.05	/	/	<=30	Pass
		Edge 1RB Right	21.97	/	/	24.04	/	/	<=30	Pass
		Outer Full	21.88	/	/	23.95	/	/	<=30	Pass
		Inner Full	21.94	/	/	24.01	/	/	<=30	Pass
CP-OFDM 256 QAM	3707.505	Inner 1RB Left	22.08	/	/	24.15	/	/	<=30	Pass
		Inner 1RB Right	22.05	/	/	24.12	/	/	<=30	Pass
		Edge 1RB Left	19.59	/	/	21.66	/	/	<=30	Pass
		Edge 1RB Right	19.71	/	/	21.78	/	/	<=30	Pass
		Outer Full	19.52	/	/	21.59	/	/	<=30	Pass
	3840	Inner Full	19.55	/	/	21.62	/	/	<=30	Pass
		Inner 1RB Left	19.69	/	/	21.76	/	/	<=30	Pass
		Inner 1RB Right	19.77	/	/	21.84	/	/	<=30	Pass
		Edge 1RB Left	18.51	/	/	20.58	/	/	<=30	Pass
		Edge 1RB Right	18.43	/	/	20.50	/	/	<=30	Pass
CP-OFDM 256 QAM	3707.505	Outer Full	18.58	/	/	20.65	/	/	<=30	Pass
		Inner Full	18.55	/	/	20.62	/	/	<=30	Pass
		Inner 1RB Left	18.63	/	/	20.70	/	/	<=30	Pass
		Inner 1RB Right	18.51	/	/	20.58	/	/	<=30	Pass

	3840	Edge_1RB_Left	20.46	/	/	22.53	/	/	<=30	Pass
		Edge_1RB_Right	20.44	/	/	22.51	/	/	<=30	Pass
		Outer_Full	20.40	/	/	22.47	/	/	<=30	Pass
		Inner_Full	20.42	/	/	22.49	/	/	<=30	Pass
		Inner_1RB_Left	20.57	/	/	22.64	/	/	<=30	Pass
		Inner_1RB_Right	20.53	/	/	22.60	/	/	<=30	Pass
	3972.495	Edge_1RB_Left	18.06	/	/	20.13	/	/	<=30	Pass
		Edge_1RB_Right	18.12	/	/	20.19	/	/	<=30	Pass
		Outer_Full	17.94	/	/	20.01	/	/	<=30	Pass
		Inner_Full	17.91	/	/	19.98	/	/	<=30	Pass
		Inner_1RB_Left	18.16	/	/	20.23	/	/	<=30	Pass
		Inner_1RB_Right	18.20	/	/	20.27	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: 2.07dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.3 15k_SISO_20MHz_NTNV_EIRP

5G NR n77a SCS=15kHz SISO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3710.01	Edge 1RB Left	20.63	/	/	22.70	/	/	<=30	Pass
		Edge 1RB Right	20.59	/	/	22.66	/	/	<=30	Pass
		Outer Full	21.83	/	/	23.90	/	/	<=30	Pass
		Inner Full	21.97	/	/	24.04	/	/	<=30	Pass
		Inner 1RB Left	21.96	/	/	24.03	/	/	<=30	Pass
		Inner 1RB Right	21.78	/	/	23.85	/	/	<=30	Pass
	3840	Edge 1RB Left	22.28	/	/	24.35	/	/	<=30	Pass
		Edge 1RB Right	22.16	/	/	24.23	/	/	<=30	Pass
		Outer Full	23.44	/	/	25.51	/	/	<=30	Pass
		Inner Full	23.59	/	/	25.66	/	/	<=30	Pass
		Inner 1RB Left	23.42	/	/	25.49	/	/	<=30	Pass
		Inner 1RB Right	23.32	/	/	25.39	/	/	<=30	Pass
	3969.99	Edge 1RB Left	20.03	/	/	22.10	/	/	<=30	Pass
		Edge 1RB Right	19.96	/	/	22.03	/	/	<=30	Pass
		Outer Full	21.11	/	/	23.18	/	/	<=30	Pass
		Inner Full	21.41	/	/	23.48	/	/	<=30	Pass
		Inner 1RB Left	21.45	/	/	23.52	/	/	<=30	Pass
		Inner 1RB Right	21.24	/	/	23.31	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3710.01	Edge 1RB Left	20.35	/	/	22.42	/	/	<=30	Pass
		Edge 1RB Right	20.16	/	/	22.23	/	/	<=30	Pass
		Outer Full	21.20	/	/	23.27	/	/	<=30	Pass
		Inner Full	21.52	/	/	23.59	/	/	<=30	Pass
		Inner 1RB Left	21.40	/	/	23.47	/	/	<=30	Pass
		Inner 1RB Right	21.11	/	/	23.18	/	/	<=30	Pass
	3840	Edge 1RB Left	21.97	/	/	24.04	/	/	<=30	Pass
		Edge 1RB Right	21.89	/	/	23.96	/	/	<=30	Pass
		Outer Full	22.81	/	/	24.88	/	/	<=30	Pass
		Inner Full	23.17	/	/	25.24	/	/	<=30	Pass
		Inner 1RB Left	22.93	/	/	25.00	/	/	<=30	Pass
		Inner 1RB Right	22.85	/	/	24.92	/	/	<=30	Pass
	3969.99	Edge 1RB Left	19.80	/	/	21.87	/	/	<=30	Pass
		Edge 1RB Right	19.81	/	/	21.88	/	/	<=30	Pass
		Outer Full	20.54	/	/	22.61	/	/	<=30	Pass
		Inner Full	20.87	/	/	22.94	/	/	<=30	Pass
		Inner 1RB Left	20.73	/	/	22.80	/	/	<=30	Pass
		Inner 1RB Right	20.76	/	/	22.83	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3710.01	Edge 1RB Left	20.63	/	/	22.70	/	/	<=30	Pass
		Edge 1RB Right	20.42	/	/	22.49	/	/	<=30	Pass

		Outer Full	21.01	/	/	23.08	/	/	<=30	Pass
		Inner Full	21.01	/	/	23.08	/	/	<=30	Pass
		Inner 1RB Left	21.14	/	/	23.21	/	/	<=30	Pass
		Inner 1RB Right	20.88	/	/	22.95	/	/	<=30	Pass
	3840	Edge 1RB Left	22.17	/	/	24.24	/	/	<=30	Pass
		Edge 1RB Right	22.08	/	/	24.15	/	/	<=30	Pass
		Outer Full	22.63	/	/	24.70	/	/	<=30	Pass
		Inner Full	22.67	/	/	24.74	/	/	<=30	Pass
		Inner 1RB Left	22.59	/	/	24.66	/	/	<=30	Pass
		Inner 1RB Right	22.51	/	/	24.58	/	/	<=30	Pass
	3969.99	Edge 1RB Left	19.74	/	/	21.81	/	/	<=30	Pass
		Edge 1RB Right	19.76	/	/	21.83	/	/	<=30	Pass
		Outer Full	20.31	/	/	22.38	/	/	<=30	Pass
		Inner Full	20.34	/	/	22.41	/	/	<=30	Pass
		Inner 1RB Left	20.09	/	/	22.16	/	/	<=30	Pass
		Inner 1RB Right	20.11	/	/	22.18	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3710.01	Edge 1RB Left	19.90	/	/	21.97	/	/	<=30	Pass
		Edge 1RB Right	19.71	/	/	21.78	/	/	<=30	Pass
		Outer Full	20.10	/	/	22.17	/	/	<=30	Pass
		Inner Full	20.07	/	/	22.14	/	/	<=30	Pass
		Inner 1RB Left	19.91	/	/	21.98	/	/	<=30	Pass
		Inner 1RB Right	19.73	/	/	21.80	/	/	<=30	Pass
	3840	Edge 1RB Left	21.56	/	/	23.63	/	/	<=30	Pass
		Edge 1RB Right	21.47	/	/	23.54	/	/	<=30	Pass
		Outer Full	21.81	/	/	23.88	/	/	<=30	Pass
		Inner Full	21.83	/	/	23.90	/	/	<=30	Pass
		Inner 1RB Left	21.57	/	/	23.64	/	/	<=30	Pass
		Inner 1RB Right	21.48	/	/	23.55	/	/	<=30	Pass
	3969.99	Edge 1RB Left	19.44	/	/	21.51	/	/	<=30	Pass
		Edge 1RB Right	19.41	/	/	21.48	/	/	<=30	Pass
		Outer Full	19.41	/	/	21.48	/	/	<=30	Pass
		Inner Full	19.42	/	/	21.49	/	/	<=30	Pass
		Inner 1RB Left	19.44	/	/	21.51	/	/	<=30	Pass
		Inner 1RB Right	19.42	/	/	21.49	/	/	<=30	Pass
CP-OFDM QPSK	3710.01	Edge 1RB Left	20.13	/	/	22.20	/	/	<=30	Pass
		Edge 1RB Right	20.18	/	/	22.25	/	/	<=30	Pass
		Outer Full	20.35	/	/	22.42	/	/	<=30	Pass
		Inner Full	20.96	/	/	23.03	/	/	<=30	Pass
		Inner 1RB Left	21.03	/	/	23.10	/	/	<=30	Pass
		Inner 1RB Right	20.97	/	/	23.04	/	/	<=30	Pass
	3840	Edge 1RB Left	21.82	/	/	23.89	/	/	<=30	Pass
		Edge 1RB Right	21.78	/	/	23.85	/	/	<=30	Pass
		Outer Full	22.01	/	/	24.08	/	/	<=30	Pass
		Inner Full	22.61	/	/	24.68	/	/	<=30	Pass
		Inner 1RB Left	22.62	/	/	24.69	/	/	<=30	Pass
		Inner 1RB Right	22.58	/	/	24.65	/	/	<=30	Pass
	3969.99	Edge 1RB Left	19.51	/	/	21.58	/	/	<=30	Pass
		Edge 1RB Right	19.57	/	/	21.64	/	/	<=30	Pass
		Outer Full	19.67	/	/	21.74	/	/	<=30	Pass
		Inner Full	20.28	/	/	22.35	/	/	<=30	Pass
		Inner 1RB Left	20.35	/	/	22.42	/	/	<=30	Pass
		Inner 1RB Right	20.37	/	/	22.44	/	/	<=30	Pass
CP-OFDM 16 QAM	3710.01	Edge 1RB Left	20.07	/	/	22.14	/	/	<=30	Pass
		Edge 1RB Right	19.96	/	/	22.03	/	/	<=30	Pass
		Outer Full	20.31	/	/	22.38	/	/	<=30	Pass
		Inner Full	20.81	/	/	22.88	/	/	<=30	Pass
		Inner 1RB Left	20.79	/	/	22.86	/	/	<=30	Pass
		Inner 1RB Right	20.60	/	/	22.67	/	/	<=30	Pass
	3840	Edge 1RB Left	21.68	/	/	23.75	/	/	<=30	Pass

		Edge_1RB_Right	21.69	/	/	23.76	/	/	<=30	Pass
		Outer_Full	21.94	/	/	24.01	/	/	<=30	Pass
		Inner_Full	22.50	/	/	24.57	/	/	<=30	Pass
		Inner_1RB_Left	22.37	/	/	24.44	/	/	<=30	Pass
		Inner_1RB_Right	22.34	/	/	24.41	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	19.51	/	/	21.58	/	/	<=30	Pass
		Edge_1RB_Right	19.62	/	/	21.69	/	/	<=30	Pass
		Outer_Full	19.65	/	/	21.72	/	/	<=30	Pass
		Inner_Full	20.11	/	/	22.18	/	/	<=30	Pass
		Inner_1RB_Left	20.12	/	/	22.19	/	/	<=30	Pass
	Inner_1RB_Right	20.19	/	/	22.26	/	/	<=30	Pass	
CP-OFDM 64 QAM	3710.01	Edge_1RB_Left	20.28	/	/	22.35	/	/	<=30	Pass
		Edge_1RB_Right	20.14	/	/	22.21	/	/	<=30	Pass
		Outer_Full	20.12	/	/	22.19	/	/	<=30	Pass
		Inner_Full	20.16	/	/	22.23	/	/	<=30	Pass
		Inner_1RB_Left	20.38	/	/	22.45	/	/	<=30	Pass
		Inner_1RB_Right	20.21	/	/	22.28	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.86	/	/	23.93	/	/	<=30	Pass
		Edge_1RB_Right	21.87	/	/	23.94	/	/	<=30	Pass
		Outer_Full	21.81	/	/	23.88	/	/	<=30	Pass
		Inner_Full	21.88	/	/	23.95	/	/	<=30	Pass
		Inner_1RB_Left	21.96	/	/	24.03	/	/	<=30	Pass
		Inner_1RB_Right	21.92	/	/	23.99	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	19.49	/	/	21.56	/	/	<=30	Pass
		Edge_1RB_Right	19.61	/	/	21.68	/	/	<=30	Pass
		Outer_Full	19.45	/	/	21.52	/	/	<=30	Pass
		Inner_Full	19.53	/	/	21.60	/	/	<=30	Pass
		Inner_1RB_Left	19.59	/	/	21.66	/	/	<=30	Pass
		Inner_1RB_Right	19.66	/	/	21.73	/	/	<=30	Pass
CP-OFDM 256 QAM	3710.01	Edge_1RB_Left	18.48	/	/	20.55	/	/	<=30	Pass
		Edge_1RB_Right	18.46	/	/	20.53	/	/	<=30	Pass
		Outer_Full	18.46	/	/	20.53	/	/	<=30	Pass
		Inner_Full	18.49	/	/	20.56	/	/	<=30	Pass
		Inner_1RB_Left	18.59	/	/	20.66	/	/	<=30	Pass
		Inner_1RB_Right	18.52	/	/	20.59	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.32	/	/	22.39	/	/	<=30	Pass
		Edge_1RB_Right	20.30	/	/	22.37	/	/	<=30	Pass
		Outer_Full	20.30	/	/	22.37	/	/	<=30	Pass
		Inner_Full	20.38	/	/	22.45	/	/	<=30	Pass
		Inner_1RB_Left	20.43	/	/	22.50	/	/	<=30	Pass
		Inner_1RB_Right	20.37	/	/	22.44	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	17.96	/	/	20.03	/	/	<=30	Pass
		Edge_1RB_Right	18.01	/	/	20.08	/	/	<=30	Pass
		Outer_Full	17.86	/	/	19.93	/	/	<=30	Pass
		Inner_Full	17.87	/	/	19.94	/	/	<=30	Pass
		Inner_1RB_Left	18.06	/	/	20.13	/	/	<=30	Pass
		Inner_1RB_Right	18.07	/	/	20.14	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: 2.07dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.4 15k_SISO_25MHz_NTNV_EIRP

5G NR n77a SCS=15kHz SISO 25MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3712.5	Edge_1RB_Left	20.64	/	/	22.71	/	/	<=30	Pass
		Edge_1RB_Right	20.55	/	/	22.62	/	/	<=30	Pass
		Outer_Full	21.60	/	/	23.67	/	/	<=30	Pass

		Inner Full	21.96	/	/	24.03	/	/	<=30	Pass
		Inner 1RB Left	21.95	/	/	24.02	/	/	<=30	Pass
		Inner 1RB Right	21.73	/	/	23.80	/	/	<=30	Pass
	3840	Edge 1RB Left	22.27	/	/	24.34	/	/	<=30	Pass
		Edge 1RB Right	22.06	/	/	24.13	/	/	<=30	Pass
		Outer Full	23.24	/	/	25.31	/	/	<=30	Pass
		Inner Full	23.65	/	/	25.72	/	/	<=30	Pass
		Inner 1RB Left	23.48	/	/	25.55	/	/	<=30	Pass
		Inner 1RB Right	23.28	/	/	25.35	/	/	<=30	Pass
	3967.5	Edge 1RB Left	20.12	/	/	22.19	/	/	<=30	Pass
		Edge 1RB Right	19.93	/	/	22.00	/	/	<=30	Pass
		Outer Full	21.00	/	/	23.07	/	/	<=30	Pass
		Inner Full	21.50	/	/	23.57	/	/	<=30	Pass
		Inner 1RB Left	21.52	/	/	23.59	/	/	<=30	Pass
		Inner 1RB Right	21.22	/	/	23.29	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3712.5	Edge 1RB Left	20.55	/	/	22.62	/	/	<=30	Pass
		Edge 1RB Right	20.22	/	/	22.29	/	/	<=30	Pass
		Outer Full	21.02	/	/	23.09	/	/	<=30	Pass
		Inner Full	21.50	/	/	23.57	/	/	<=30	Pass
		Inner 1RB Left	21.52	/	/	23.59	/	/	<=30	Pass
		Inner 1RB Right	21.14	/	/	23.21	/	/	<=30	Pass
	3840	Edge 1RB Left	22.07	/	/	24.14	/	/	<=30	Pass
		Edge 1RB Right	21.90	/	/	23.97	/	/	<=30	Pass
		Outer Full	22.64	/	/	24.71	/	/	<=30	Pass
		Inner Full	23.17	/	/	25.24	/	/	<=30	Pass
		Inner 1RB Left	22.97	/	/	25.04	/	/	<=30	Pass
		Inner 1RB Right	22.82	/	/	24.89	/	/	<=30	Pass
	3967.5	Edge 1RB Left	19.89	/	/	21.96	/	/	<=30	Pass
		Edge 1RB Right	19.78	/	/	21.85	/	/	<=30	Pass
		Outer Full	20.43	/	/	22.50	/	/	<=30	Pass
		Inner Full	20.89	/	/	22.96	/	/	<=30	Pass
		Inner 1RB Left	20.82	/	/	22.89	/	/	<=30	Pass
		Inner 1RB Right	20.74	/	/	22.81	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3712.5	Edge 1RB Left	20.50	/	/	22.57	/	/	<=30	Pass
		Edge 1RB Right	20.18	/	/	22.25	/	/	<=30	Pass
		Outer Full	20.85	/	/	22.92	/	/	<=30	Pass
		Inner Full	21.01	/	/	23.08	/	/	<=30	Pass
		Inner 1RB Left	20.88	/	/	22.95	/	/	<=30	Pass
		Inner 1RB Right	20.54	/	/	22.61	/	/	<=30	Pass
	3840	Edge 1RB Left	22.07	/	/	24.14	/	/	<=30	Pass
		Edge 1RB Right	21.89	/	/	23.96	/	/	<=30	Pass
		Outer Full	22.50	/	/	24.57	/	/	<=30	Pass
		Inner Full	22.69	/	/	24.76	/	/	<=30	Pass
		Inner 1RB Left	22.42	/	/	24.49	/	/	<=30	Pass
		Inner 1RB Right	22.25	/	/	24.32	/	/	<=30	Pass
	3967.5	Edge 1RB Left	19.84	/	/	21.91	/	/	<=30	Pass
		Edge 1RB Right	19.73	/	/	21.80	/	/	<=30	Pass
		Outer Full	20.23	/	/	22.30	/	/	<=30	Pass
		Inner Full	20.37	/	/	22.44	/	/	<=30	Pass
		Inner 1RB Left	20.19	/	/	22.26	/	/	<=30	Pass
		Inner 1RB Right	20.09	/	/	22.16	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3712.5	Edge 1RB Left	20.19	/	/	22.26	/	/	<=30	Pass
		Edge 1RB Right	19.89	/	/	21.96	/	/	<=30	Pass
		Outer Full	19.92	/	/	21.99	/	/	<=30	Pass
		Inner Full	20.07	/	/	22.14	/	/	<=30	Pass
		Inner 1RB Left	20.19	/	/	22.26	/	/	<=30	Pass
		Inner 1RB Right	19.89	/	/	21.96	/	/	<=30	Pass
	3840	Edge 1RB Left	21.77	/	/	23.84	/	/	<=30	Pass
		Edge 1RB Right	21.57	/	/	23.64	/	/	<=30	Pass

		Outer Full	21.64	/	/	23.71	/	/	<=30	Pass
		Inner Full	21.83	/	/	23.90	/	/	<=30	Pass
		Inner 1RB Left	21.77	/	/	23.84	/	/	<=30	Pass
		Inner 1RB Right	21.56	/	/	23.63	/	/	<=30	Pass
	3967.5	Edge 1RB Left	19.54	/	/	21.61	/	/	<=30	Pass
		Edge 1RB Right	19.41	/	/	21.48	/	/	<=30	Pass
		Outer Full	19.31	/	/	21.38	/	/	<=30	Pass
		Inner Full	19.43	/	/	21.50	/	/	<=30	Pass
		Inner 1RB Left	19.55	/	/	21.62	/	/	<=30	Pass
		Inner 1RB Right	19.41	/	/	21.48	/	/	<=30	Pass
		Edge 1RB Left	20.15	/	/	22.22	/	/	<=30	Pass
		Edge 1RB Right	20.05	/	/	22.12	/	/	<=30	Pass
CP-OFDM QPSK	3712.5	Outer Full	20.29	/	/	22.36	/	/	<=30	Pass
		Inner Full	20.90	/	/	22.97	/	/	<=30	Pass
		Inner 1RB Left	21.08	/	/	23.15	/	/	<=30	Pass
		Inner 1RB Right	20.97	/	/	23.04	/	/	<=30	Pass
	3840	Edge 1RB Left	21.75	/	/	23.82	/	/	<=30	Pass
		Edge 1RB Right	21.57	/	/	23.64	/	/	<=30	Pass
		Outer Full	21.95	/	/	24.02	/	/	<=30	Pass
		Inner Full	22.55	/	/	24.62	/	/	<=30	Pass
		Inner 1RB Left	22.63	/	/	24.70	/	/	<=30	Pass
		Inner 1RB Right	22.51	/	/	24.58	/	/	<=30	Pass
	3967.5	Edge 1RB Left	19.60	/	/	21.67	/	/	<=30	Pass
		Edge 1RB Right	19.43	/	/	21.50	/	/	<=30	Pass
		Outer Full	19.66	/	/	21.73	/	/	<=30	Pass
		Inner Full	20.29	/	/	22.36	/	/	<=30	Pass
		Inner 1RB Left	20.51	/	/	22.58	/	/	<=30	Pass
		Inner 1RB Right	20.40	/	/	22.47	/	/	<=30	Pass
CP-OFDM 16 QAM	3712.5	Edge 1RB Left	20.16	/	/	22.23	/	/	<=30	Pass
		Edge 1RB Right	19.86	/	/	21.93	/	/	<=30	Pass
		Outer Full	20.27	/	/	22.34	/	/	<=30	Pass
		Inner Full	20.76	/	/	22.83	/	/	<=30	Pass
		Inner 1RB Left	21.04	/	/	23.11	/	/	<=30	Pass
		Inner 1RB Right	20.74	/	/	22.81	/	/	<=30	Pass
	3840	Edge 1RB Left	21.74	/	/	23.81	/	/	<=30	Pass
		Edge 1RB Right	21.59	/	/	23.66	/	/	<=30	Pass
		Outer Full	21.88	/	/	23.95	/	/	<=30	Pass
		Inner Full	22.47	/	/	24.54	/	/	<=30	Pass
		Inner 1RB Left	22.49	/	/	24.56	/	/	<=30	Pass
		Inner 1RB Right	22.39	/	/	24.46	/	/	<=30	Pass
	3967.5	Edge 1RB Left	19.56	/	/	21.63	/	/	<=30	Pass
		Edge 1RB Right	19.45	/	/	21.52	/	/	<=30	Pass
		Outer Full	19.65	/	/	21.72	/	/	<=30	Pass
		Inner Full	20.15	/	/	22.22	/	/	<=30	Pass
		Inner 1RB Left	20.34	/	/	22.41	/	/	<=30	Pass
		Inner 1RB Right	20.28	/	/	22.35	/	/	<=30	Pass
CP-OFDM 64 QAM	3712.5	Edge 1RB Left	20.28	/	/	22.35	/	/	<=30	Pass
		Edge 1RB Right	19.97	/	/	22.04	/	/	<=30	Pass
		Outer Full	20.06	/	/	22.13	/	/	<=30	Pass
		Inner Full	20.13	/	/	22.20	/	/	<=30	Pass
		Inner 1RB Left	20.38	/	/	22.45	/	/	<=30	Pass
		Inner 1RB Right	20.13	/	/	22.20	/	/	<=30	Pass
	3840	Edge 1RB Left	21.82	/	/	23.89	/	/	<=30	Pass
		Edge 1RB Right	21.67	/	/	23.74	/	/	<=30	Pass
		Outer Full	21.74	/	/	23.81	/	/	<=30	Pass
		Inner Full	21.85	/	/	23.92	/	/	<=30	Pass
		Inner 1RB Left	21.91	/	/	23.98	/	/	<=30	Pass
		Inner 1RB Right	21.81	/	/	23.88	/	/	<=30	Pass
	3967.5	Edge 1RB Left	19.63	/	/	21.70	/	/	<=30	Pass

		Edge 1RB Right	19.53	/	/	21.60	/	/	<=30	Pass
		Outer_Full	19.47	/	/	21.54	/	/	<=30	Pass
		Inner_Full	19.53	/	/	21.60	/	/	<=30	Pass
		Inner_1RB_Left	19.72	/	/	21.79	/	/	<=30	Pass
		Inner_1RB_Right	19.67	/	/	21.74	/	/	<=30	Pass
CP-OFDM 256 QAM	3712.5	Edge_1RB_Left	18.69	/	/	20.76	/	/	<=30	Pass
		Edge_1RB_Right	18.50	/	/	20.57	/	/	<=30	Pass
		Outer_Full	18.43	/	/	20.50	/	/	<=30	Pass
		Inner_Full	18.49	/	/	20.56	/	/	<=30	Pass
		Inner_1RB_Left	18.80	/	/	20.87	/	/	<=30	Pass
		Inner_1RB_Right	18.61	/	/	20.68	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.43	/	/	22.50	/	/	<=30	Pass
		Edge_1RB_Right	20.24	/	/	22.31	/	/	<=30	Pass
		Outer_Full	20.23	/	/	22.30	/	/	<=30	Pass
		Inner_Full	20.33	/	/	22.40	/	/	<=30	Pass
		Inner_1RB_Left	20.53	/	/	22.60	/	/	<=30	Pass
		Inner_1RB_Right	20.35	/	/	22.42	/	/	<=30	Pass
	3967.5	Edge_1RB_Left	18.12	/	/	20.19	/	/	<=30	Pass
		Edge_1RB_Right	18.01	/	/	20.08	/	/	<=30	Pass
		Outer_Full	17.87	/	/	19.94	/	/	<=30	Pass
Inner_Full		17.89	/	/	19.96	/	/	<=30	Pass	
Inner_1RB_Left		18.23	/	/	20.30	/	/	<=30	Pass	
		Inner_1RB_Right	18.11	/	/	20.18	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: 2.07dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.5 15k_SISO_30MHz_NTNV_EIRP

5G NR n77a SCS=15kHz SISO 30MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3715.005	Edge 1RB Left	20.68	/	/	22.75	/	/	<=30	Pass
		Edge 1RB Right	20.68	/	/	22.75	/	/	<=30	Pass
		Outer Full	21.73	/	/	23.80	/	/	<=30	Pass
		Inner Full	21.98	/	/	24.05	/	/	<=30	Pass
		Inner 1RB Left	21.98	/	/	24.05	/	/	<=30	Pass
		Inner 1RB Right	21.83	/	/	23.90	/	/	<=30	Pass
	3840	Edge 1RB Left	22.24	/	/	24.31	/	/	<=30	Pass
		Edge 1RB Right	22.00	/	/	24.07	/	/	<=30	Pass
		Outer Full	23.33	/	/	25.40	/	/	<=30	Pass
		Inner Full	23.61	/	/	25.68	/	/	<=30	Pass
	3964.995	Inner 1RB Left	23.45	/	/	25.52	/	/	<=30	Pass
		Inner 1RB Right	23.28	/	/	25.35	/	/	<=30	Pass
		Edge 1RB Left	20.18	/	/	22.25	/	/	<=30	Pass
		Edge 1RB Right	19.87	/	/	21.94	/	/	<=30	Pass
		Outer Full	21.05	/	/	23.12	/	/	<=30	Pass
		Inner Full	21.46	/	/	23.53	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3715.005	Inner 1RB Left	21.45	/	/	23.52	/	/	<=30	Pass
		Inner 1RB Right	21.19	/	/	23.26	/	/	<=30	Pass
		Edge 1RB Left	20.58	/	/	22.65	/	/	<=30	Pass
		Edge 1RB Right	20.33	/	/	22.40	/	/	<=30	Pass
		Outer Full	21.15	/	/	23.22	/	/	<=30	Pass
		Inner Full	21.52	/	/	23.59	/	/	<=30	Pass
	3840	Inner 1RB Left	21.55	/	/	23.62	/	/	<=30	Pass
		Inner 1RB Right	21.22	/	/	23.29	/	/	<=30	Pass
		Edge 1RB Left	22.03	/	/	24.10	/	/	<=30	Pass
		Edge 1RB Right	21.82	/	/	23.89	/	/	<=30	Pass
		Outer Full	22.67	/	/	24.74	/	/	<=30	Pass

		Inner Full	23.14	/	/	25.21	/	/	<=30	Pass
		Inner 1RB Left	22.87	/	/	24.94	/	/	<=30	Pass
		Inner 1RB Right	22.72	/	/	24.79	/	/	<=30	Pass
	3964.995	Edge 1RB Left	19.88	/	/	21.95	/	/	<=30	Pass
		Edge 1RB Right	19.66	/	/	21.73	/	/	<=30	Pass
		Outer Full	20.49	/	/	22.56	/	/	<=30	Pass
		Inner Full	20.86	/	/	22.93	/	/	<=30	Pass
		Inner 1RB Left	20.81	/	/	22.88	/	/	<=30	Pass
		Inner 1RB Right	20.62	/	/	22.69	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3715.005	Edge 1RB Left	20.56	/	/	22.63	/	/	<=30	Pass
		Edge 1RB Right	20.31	/	/	22.38	/	/	<=30	Pass
		Outer Full	20.94	/	/	23.01	/	/	<=30	Pass
		Inner Full	21.01	/	/	23.08	/	/	<=30	Pass
		Inner 1RB Left	20.95	/	/	23.02	/	/	<=30	Pass
		Inner 1RB Right	20.67	/	/	22.74	/	/	<=30	Pass
	3840	Edge 1RB Left	21.97	/	/	24.04	/	/	<=30	Pass
		Edge 1RB Right	21.77	/	/	23.84	/	/	<=30	Pass
		Outer Full	22.52	/	/	24.59	/	/	<=30	Pass
		Inner Full	22.66	/	/	24.73	/	/	<=30	Pass
		Inner 1RB Left	22.41	/	/	24.48	/	/	<=30	Pass
		Inner 1RB Right	22.21	/	/	24.28	/	/	<=30	Pass
	3964.995	Edge 1RB Left	19.79	/	/	21.86	/	/	<=30	Pass
		Edge 1RB Right	19.58	/	/	21.65	/	/	<=30	Pass
		Outer Full	20.26	/	/	22.33	/	/	<=30	Pass
		Inner Full	20.32	/	/	22.39	/	/	<=30	Pass
		Inner 1RB Left	20.25	/	/	22.32	/	/	<=30	Pass
		Inner 1RB Right	20.04	/	/	22.11	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3715.005	Edge 1RB Left	20.20	/	/	22.27	/	/	<=30	Pass
		Edge 1RB Right	19.98	/	/	22.05	/	/	<=30	Pass
		Outer Full	20.04	/	/	22.11	/	/	<=30	Pass
		Inner Full	20.09	/	/	22.16	/	/	<=30	Pass
		Inner 1RB Left	20.20	/	/	22.27	/	/	<=30	Pass
		Inner 1RB Right	19.98	/	/	22.05	/	/	<=30	Pass
	3840	Edge 1RB Left	21.60	/	/	23.67	/	/	<=30	Pass
		Edge 1RB Right	21.37	/	/	23.44	/	/	<=30	Pass
		Outer Full	21.68	/	/	23.75	/	/	<=30	Pass
		Inner Full	21.80	/	/	23.87	/	/	<=30	Pass
		Inner 1RB Left	21.61	/	/	23.68	/	/	<=30	Pass
		Inner 1RB Right	21.38	/	/	23.45	/	/	<=30	Pass
	3964.995	Edge 1RB Left	19.43	/	/	21.50	/	/	<=30	Pass
		Edge 1RB Right	19.19	/	/	21.26	/	/	<=30	Pass
		Outer Full	19.37	/	/	21.44	/	/	<=30	Pass
		Inner Full	19.42	/	/	21.49	/	/	<=30	Pass
		Inner 1RB Left	19.44	/	/	21.51	/	/	<=30	Pass
		Inner 1RB Right	19.19	/	/	21.26	/	/	<=30	Pass
CP-OFDM QPSK	3715.005	Edge 1RB Left	20.13	/	/	22.20	/	/	<=30	Pass
		Edge 1RB Right	19.97	/	/	22.04	/	/	<=30	Pass
		Outer Full	20.32	/	/	22.39	/	/	<=30	Pass
		Inner Full	20.94	/	/	23.01	/	/	<=30	Pass
		Inner 1RB Left	21.09	/	/	23.16	/	/	<=30	Pass
		Inner 1RB Right	20.95	/	/	23.02	/	/	<=30	Pass
	3840	Edge 1RB Left	21.75	/	/	23.82	/	/	<=30	Pass
		Edge 1RB Right	21.40	/	/	23.47	/	/	<=30	Pass
		Outer Full	21.93	/	/	24.00	/	/	<=30	Pass
		Inner Full	22.56	/	/	24.63	/	/	<=30	Pass
		Inner 1RB Left	22.62	/	/	24.69	/	/	<=30	Pass
		Inner 1RB Right	22.37	/	/	24.44	/	/	<=30	Pass
	3964.995	Edge 1RB Left	19.66	/	/	21.73	/	/	<=30	Pass
		Edge 1RB Right	19.25	/	/	21.32	/	/	<=30	Pass

		Outer Full	19.63	/	/	21.70	/	/	<=30	Pass		
		Inner Full	15.33	/	/	17.40	/	/	<=30	Pass		
		Inner_1RB_Left	20.51	/	/	22.58	/	/	<=30	Pass		
		Inner_1RB_Right	20.19	/	/	22.26	/	/	<=30	Pass		
CP-OFDM 16 QAM	3715.005	Edge_1RB_Left	20.20	/	/	22.27	/	/	<=30	Pass		
		Edge_1RB_Right	19.83	/	/	21.90	/	/	<=30	Pass		
		Outer Full	20.31	/	/	22.38	/	/	<=30	Pass		
		Inner Full	20.75	/	/	22.82	/	/	<=30	Pass		
		Inner_1RB_Left	21.02	/	/	23.09	/	/	<=30	Pass		
		Inner_1RB_Right	20.67	/	/	22.74	/	/	<=30	Pass		
		Edge_1RB_Left	21.69	/	/	23.76	/	/	<=30	Pass		
		Edge_1RB_Right	21.37	/	/	23.44	/	/	<=30	Pass		
	3840	Outer Full	21.86	/	/	23.93	/	/	<=30	Pass		
		Inner Full	22.43	/	/	24.50	/	/	<=30	Pass		
		Inner_1RB_Left	22.47	/	/	24.54	/	/	<=30	Pass		
		Inner_1RB_Right	22.23	/	/	24.30	/	/	<=30	Pass		
		Edge_1RB_Left	14.60	/	/	16.67	/	/	<=30	Pass		
		Edge_1RB_Right	14.30	/	/	16.37	/	/	<=30	Pass		
	3964.995	Outer Full	14.67	/	/	16.74	/	/	<=30	Pass		
		Inner Full	15.16	/	/	17.23	/	/	<=30	Pass		
		Inner_1RB_Left	15.33	/	/	17.40	/	/	<=30	Pass		
		Inner_1RB_Right	14.95	/	/	17.02	/	/	<=30	Pass		
Edge_1RB_Left		20.27	/	/	22.34	/	/	<=30	Pass			
Edge_1RB_Right		19.90	/	/	21.97	/	/	<=30	Pass			
CP-OFDM 64 QAM	3715.005	Outer Full	20.07	/	/	22.14	/	/	<=30	Pass		
		Inner Full	20.15	/	/	22.22	/	/	<=30	Pass		
		Inner_1RB_Left	20.38	/	/	22.45	/	/	<=30	Pass		
		Inner_1RB_Right	20.08	/	/	22.15	/	/	<=30	Pass		
		Edge_1RB_Left	21.64	/	/	23.71	/	/	<=30	Pass		
		Edge_1RB_Right	21.31	/	/	23.38	/	/	<=30	Pass		
	3840	Outer Full	21.72	/	/	23.79	/	/	<=30	Pass		
		Inner Full	21.85	/	/	23.92	/	/	<=30	Pass		
		Inner_1RB_Left	21.75	/	/	23.82	/	/	<=30	Pass		
		Inner_1RB_Right	21.50	/	/	23.57	/	/	<=30	Pass		
		Edge_1RB_Left	14.90	/	/	16.97	/	/	<=30	Pass		
		Edge_1RB_Right	14.29	/	/	16.36	/	/	<=30	Pass		
	3964.995	Outer Full	14.47	/	/	16.54	/	/	<=30	Pass		
		Inner Full	14.49	/	/	16.56	/	/	<=30	Pass		
		Inner_1RB_Left	14.71	/	/	16.78	/	/	<=30	Pass		
		Inner_1RB_Right	14.40	/	/	16.47	/	/	<=30	Pass		
		Edge_1RB_Left	18.69	/	/	20.76	/	/	<=30	Pass		
		Edge_1RB_Right	18.43	/	/	20.50	/	/	<=30	Pass		
CP-OFDM 256 QAM	3715.005	Outer Full	18.45	/	/	20.52	/	/	<=30	Pass		
		Inner Full	18.50	/	/	20.57	/	/	<=30	Pass		
		Inner_1RB_Left	18.80	/	/	20.87	/	/	<=30	Pass		
		Inner_1RB_Right	18.59	/	/	20.66	/	/	<=30	Pass		
		Edge_1RB_Left	20.25	/	/	22.32	/	/	<=30	Pass		
		Edge_1RB_Right	19.87	/	/	21.94	/	/	<=30	Pass		
	3840	Outer Full	20.18	/	/	22.25	/	/	<=30	Pass		
		Inner Full	20.31	/	/	22.38	/	/	<=30	Pass		
		Inner_1RB_Left	20.35	/	/	22.42	/	/	<=30	Pass		
		Inner_1RB_Right	20.04	/	/	22.11	/	/	<=30	Pass		
		Edge_1RB_Left	13.10	/	/	15.17	/	/	<=30	Pass		
		Edge_1RB_Right	12.44	/	/	14.51	/	/	<=30	Pass		
	3964.995	Outer Full	12.88	/	/	14.95	/	/	<=30	Pass		
		Inner Full	12.81	/	/	14.88	/	/	<=30	Pass		
		Inner_1RB_Left	13.13	/	/	15.20	/	/	<=30	Pass		
		Inner_1RB_Right	12.52	/	/	14.59	/	/	<=30	Pass		
		Note1: Antenna Gain: Ant1: 2.07dBi;										

Note2: EIRP=Conducted Power+Antenna Gain

1.1.6 15k_SISO_40MHz_NTNV_EIRP

5G NR n77a SCS=15kHz SISO 40MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3720	Edge_1RB_Left	14.88	/	/	16.95	/	/	<=30	Pass
		Edge_1RB_Right	14.79	/	/	16.86	/	/	<=30	Pass
		Outer_Full	15.83	/	/	17.90	/	/	<=30	Pass
		Inner_Full	16.36	/	/	18.43	/	/	<=30	Pass
		Inner_1RB_Left	16.53	/	/	18.60	/	/	<=30	Pass
		Inner_1RB_Right	16.26	/	/	18.33	/	/	<=30	Pass
	3840	Edge_1RB_Left	15.23	/	/	17.30	/	/	<=30	Pass
		Edge_1RB_Right	16.07	/	/	18.14	/	/	<=30	Pass
		Outer_Full	23.84	/	/	25.91	/	/	<=30	Pass
		Inner_Full	17.40	/	/	19.47	/	/	<=30	Pass
		Inner_1RB_Left	16.84	/	/	18.91	/	/	<=30	Pass
		Inner_1RB_Right	17.41	/	/	19.48	/	/	<=30	Pass
	3960	Edge_1RB_Left	22.19	/	/	24.26	/	/	<=30	Pass
		Edge_1RB_Right	21.34	/	/	23.41	/	/	<=30	Pass
		Outer_Full	21.79	/	/	23.86	/	/	<=30	Pass
		Inner_Full	22.53	/	/	24.60	/	/	<=30	Pass
		Inner_1RB_Left	23.96	/	/	26.03	/	/	<=30	Pass
		Inner_1RB_Right	23.41	/	/	25.48	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3720	Edge_1RB_Left	14.61	/	/	16.68	/	/	<=30	Pass
		Edge_1RB_Right	14.79	/	/	16.86	/	/	<=30	Pass
		Outer_Full	15.38	/	/	17.45	/	/	<=30	Pass
		Inner_Full	15.81	/	/	17.88	/	/	<=30	Pass
		Inner_1RB_Left	15.58	/	/	17.65	/	/	<=30	Pass
		Inner_1RB_Right	15.80	/	/	17.87	/	/	<=30	Pass
	3840	Edge_1RB_Left	15.03	/	/	17.10	/	/	<=30	Pass
		Edge_1RB_Right	15.99	/	/	18.06	/	/	<=30	Pass
		Outer_Full	16.31	/	/	18.38	/	/	<=30	Pass
		Inner_Full	16.75	/	/	18.82	/	/	<=30	Pass
		Inner_1RB_Left	16.14	/	/	18.21	/	/	<=30	Pass
		Inner_1RB_Right	16.97	/	/	19.04	/	/	<=30	Pass
	3960	Edge_1RB_Left	22.30	/	/	24.37	/	/	<=30	Pass
		Edge_1RB_Right	21.44	/	/	23.51	/	/	<=30	Pass
		Outer_Full	20.67	/	/	22.74	/	/	<=30	Pass
		Inner_Full	21.21	/	/	23.28	/	/	<=30	Pass
		Inner_1RB_Left	23.00	/	/	25.07	/	/	<=30	Pass
		Inner_1RB_Right	22.28	/	/	24.35	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3720	Edge_1RB_Left	14.42	/	/	16.49	/	/	<=30	Pass
		Edge_1RB_Right	14.43	/	/	16.50	/	/	<=30	Pass
		Outer_Full	15.35	/	/	17.42	/	/	<=30	Pass
		Inner_Full	15.28	/	/	17.35	/	/	<=30	Pass
		Inner_1RB_Left	14.69	/	/	16.76	/	/	<=30	Pass
		Inner_1RB_Right	14.87	/	/	16.94	/	/	<=30	Pass
	3840	Edge_1RB_Left	15.08	/	/	17.15	/	/	<=30	Pass
		Edge_1RB_Right	15.90	/	/	17.97	/	/	<=30	Pass
		Outer_Full	16.20	/	/	18.27	/	/	<=30	Pass
		Inner_Full	16.18	/	/	18.25	/	/	<=30	Pass
		Inner_1RB_Left	15.51	/	/	17.58	/	/	<=30	Pass
		Inner_1RB_Right	16.35	/	/	18.42	/	/	<=30	Pass
	3960	Edge_1RB_Left	22.12	/	/	24.19	/	/	<=30	Pass
		Edge_1RB_Right	21.21	/	/	23.28	/	/	<=30	Pass

		Outer Full	20.12	/	/	22.19	/	/	<=30	Pass
		Inner Full	20.22	/	/	22.29	/	/	<=30	Pass
		Inner 1RB Left	22.08	/	/	24.15	/	/	<=30	Pass
		Inner 1RB Right	21.37	/	/	23.44	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3720	Edge 1RB Left	14.09	/	/	16.16	/	/	<=30	Pass
		Edge 1RB Right	14.35	/	/	16.42	/	/	<=30	Pass
		Outer Full	14.15	/	/	16.22	/	/	<=30	Pass
		Inner Full	14.37	/	/	16.44	/	/	<=30	Pass
		Inner 1RB Left	13.96	/	/	16.03	/	/	<=30	Pass
		Inner 1RB Right	14.29	/	/	16.36	/	/	<=30	Pass
	3840	Edge 1RB Left	14.56	/	/	16.63	/	/	<=30	Pass
		Edge 1RB Right	15.19	/	/	17.26	/	/	<=30	Pass
		Outer Full	15.05	/	/	17.12	/	/	<=30	Pass
		Inner Full	15.33	/	/	17.40	/	/	<=30	Pass
		Inner 1RB Left	14.54	/	/	16.61	/	/	<=30	Pass
		Inner 1RB Right	15.16	/	/	17.23	/	/	<=30	Pass
	3960	Edge 1RB Left	20.32	/	/	22.39	/	/	<=30	Pass
		Edge 1RB Right	19.34	/	/	21.41	/	/	<=30	Pass
		Outer Full	18.62	/	/	20.69	/	/	<=30	Pass
		Inner Full	18.52	/	/	20.59	/	/	<=30	Pass
		Inner 1RB Left	20.23	/	/	22.30	/	/	<=30	Pass
		Inner 1RB Right	19.38	/	/	21.45	/	/	<=30	Pass
CP-OFDM QPSK	3720	Edge 1RB Left	14.22	/	/	16.29	/	/	<=30	Pass
		Edge 1RB Right	14.34	/	/	16.41	/	/	<=30	Pass
		Outer Full	14.58	/	/	16.65	/	/	<=30	Pass
		Inner Full	15.33	/	/	17.40	/	/	<=30	Pass
		Inner 1RB Left	15.29	/	/	17.36	/	/	<=30	Pass
		Inner 1RB Right	15.07	/	/	17.14	/	/	<=30	Pass
	3840	Edge 1RB Left	14.80	/	/	16.87	/	/	<=30	Pass
		Edge 1RB Right	15.59	/	/	17.66	/	/	<=30	Pass
		Outer Full	15.50	/	/	17.57	/	/	<=30	Pass
		Inner Full	16.10	/	/	18.17	/	/	<=30	Pass
		Inner 1RB Left	15.64	/	/	17.71	/	/	<=30	Pass
		Inner 1RB Right	16.36	/	/	18.43	/	/	<=30	Pass
	3960	Edge 1RB Left	21.94	/	/	24.01	/	/	<=30	Pass
		Edge 1RB Right	21.25	/	/	23.32	/	/	<=30	Pass
		Outer Full	20.35	/	/	22.42	/	/	<=30	Pass
		Inner Full	20.79	/	/	22.86	/	/	<=30	Pass
		Inner 1RB Left	22.10	/	/	24.17	/	/	<=30	Pass
		Inner 1RB Right	21.42	/	/	23.49	/	/	<=30	Pass
CP-OFDM 16 QAM	3720	Edge 1RB Left	14.43	/	/	16.50	/	/	<=30	Pass
		Edge 1RB Right	14.74	/	/	16.81	/	/	<=30	Pass
		Outer Full	14.60	/	/	16.67	/	/	<=30	Pass
		Inner Full	15.19	/	/	17.26	/	/	<=30	Pass
		Inner 1RB Left	15.25	/	/	17.32	/	/	<=30	Pass
		Inner 1RB Right	15.23	/	/	17.30	/	/	<=30	Pass
	3840	Edge 1RB Left	15.03	/	/	17.10	/	/	<=30	Pass
		Edge 1RB Right	15.77	/	/	17.84	/	/	<=30	Pass
		Outer Full	15.57	/	/	17.64	/	/	<=30	Pass
		Inner Full	16.29	/	/	18.36	/	/	<=30	Pass
		Inner 1RB Left	15.74	/	/	17.81	/	/	<=30	Pass
		Inner 1RB Right	16.52	/	/	18.59	/	/	<=30	Pass
	3960	Edge 1RB Left	21.80	/	/	23.87	/	/	<=30	Pass
		Edge 1RB Right	21.02	/	/	23.09	/	/	<=30	Pass
		Outer Full	20.08	/	/	22.15	/	/	<=30	Pass
		Inner Full	20.07	/	/	22.14	/	/	<=30	Pass
		Inner 1RB Left	21.79	/	/	23.86	/	/	<=30	Pass
		Inner 1RB Right	20.98	/	/	23.05	/	/	<=30	Pass
CP-OFDM 64 QAM	3720	Edge 1RB Left	14.23	/	/	16.30	/	/	<=30	Pass

		Edge 1RB Right	14.45	/	/	16.52	/	/	<=30	Pass	
		Outer Full	14.45	/	/	16.52	/	/	<=30	Pass	
		Inner Full	14.42	/	/	16.49	/	/	<=30	Pass	
		Inner 1RB Left	13.88	/	/	15.95	/	/	<=30	Pass	
		Inner 1RB Right	14.36	/	/	16.43	/	/	<=30	Pass	
		Edge 1RB Left	15.04	/	/	17.11	/	/	<=30	Pass	
		Edge 1RB Right	15.82	/	/	17.89	/	/	<=30	Pass	
		Outer Full	15.49	/	/	17.56	/	/	<=30	Pass	
		Inner Full	15.65	/	/	17.72	/	/	<=30	Pass	
		Inner 1RB Left	15.42	/	/	17.49	/	/	<=30	Pass	
	Inner 1RB Right	15.91	/	/	17.98	/	/	<=30	Pass		
	3840	Edge 1RB Left	21.77	/	/	23.84	/	/	<=30	Pass	
		Edge 1RB Right	20.94	/	/	23.01	/	/	<=30	Pass	
		Outer Full	19.55	/	/	21.62	/	/	<=30	Pass	
		Inner Full	19.77	/	/	21.84	/	/	<=30	Pass	
		Inner 1RB Left	21.77	/	/	23.84	/	/	<=30	Pass	
		Inner 1RB Right	20.94	/	/	23.01	/	/	<=30	Pass	
	3960	Edge 1RB Left	12.49	/	/	14.56	/	/	<=30	Pass	
		Edge 1RB Right	12.76	/	/	14.83	/	/	<=30	Pass	
		Outer Full	12.64	/	/	14.71	/	/	<=30	Pass	
Inner Full		12.87	/	/	14.94	/	/	<=30	Pass		
Inner 1RB Left		12.80	/	/	14.87	/	/	<=30	Pass		
Inner 1RB Right		12.63	/	/	14.70	/	/	<=30	Pass		
Edge 1RB Left		13.56	/	/	15.63	/	/	<=30	Pass		
Edge 1RB Right		14.15	/	/	16.22	/	/	<=30	Pass		
Outer Full		13.89	/	/	15.96	/	/	<=30	Pass		
Inner Full		14.07	/	/	16.14	/	/	<=30	Pass		
CP-OFDM 256 QAM	3720	Inner 1RB Left	13.59	/	/	15.66	/	/	<=30	Pass	
		Inner 1RB Right	13.96	/	/	16.03	/	/	<=30	Pass	
		Edge 1RB Left	18.90	/	/	20.97	/	/	<=30	Pass	
		Edge 1RB Right	17.95	/	/	20.02	/	/	<=30	Pass	
		Outer Full	16.83	/	/	18.90	/	/	<=30	Pass	
	3840	Inner Full	16.82	/	/	18.89	/	/	<=30	Pass	
		Inner 1RB Left	18.86	/	/	20.93	/	/	<=30	Pass	
		Inner 1RB Right	18.04	/	/	20.11	/	/	<=30	Pass	
		Note1: Antenna Gain: Ant1: 2.07dBi;									
		Note2: EIRP=Conducted Power+Antenna Gain									

1.1.7 15k_SISO_50MHz_NTNV_EIRP

5G NR n77a SCS=15kHz SISO 50MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)			Limit	Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum		
DFT-s-OFDM QPSK	3725.01	Edge 1RB Left	20.85	/	/	22.92	/	/	<=30	Pass
		Edge 1RB Right	21.19	/	/	23.26	/	/	<=30	Pass
		Outer Full	22.43	/	/	24.50	/	/	<=30	Pass
		Inner Full	23.15	/	/	25.22	/	/	<=30	Pass
		Inner 1RB Left	23.00	/	/	25.07	/	/	<=30	Pass
		Inner 1RB Right	23.34	/	/	25.41	/	/	<=30	Pass
	3840	Edge 1RB Left	21.37	/	/	23.44	/	/	<=30	Pass
		Edge 1RB Right	21.76	/	/	23.83	/	/	<=30	Pass
		Outer Full	23.12	/	/	25.19	/	/	<=30	Pass
		Inner Full	23.76	/	/	25.83	/	/	<=30	Pass
		Inner 1RB Left	23.55	/	/	25.62	/	/	<=30	Pass
	3954.99	Inner 1RB Right	24.02	/	/	26.09	/	/	<=30	Pass
		Edge 1RB Left	20.82	/	/	22.89	/	/	<=30	Pass
		Edge 1RB Right	19.93	/	/	22.00	/	/	<=30	Pass
		Outer Full	21.69	/	/	23.76	/	/	<=30	Pass

		Inner Full	22.55	/	/	24.62	/	/	<=30	Pass
		Inner 1RB Left	22.92	/	/	24.99	/	/	<=30	Pass
		Inner 1RB Right	22.18	/	/	24.25	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3725.01	Edge 1RB Left	20.52	/	/	22.59	/	/	<=30	Pass
		Edge 1RB Right	21.19	/	/	23.26	/	/	<=30	Pass
		Outer Full	21.43	/	/	23.50	/	/	<=30	Pass
		Inner Full	21.81	/	/	23.88	/	/	<=30	Pass
		Inner 1RB Left	21.39	/	/	23.46	/	/	<=30	Pass
		Inner 1RB Right	22.07	/	/	24.14	/	/	<=30	Pass
		Edge 1RB Left	20.76	/	/	22.83	/	/	<=30	Pass
	3840	Edge 1RB Right	21.26	/	/	23.33	/	/	<=30	Pass
		Outer Full	22.19	/	/	24.26	/	/	<=30	Pass
		Inner Full	22.80	/	/	24.87	/	/	<=30	Pass
		Inner 1RB Left	22.35	/	/	24.42	/	/	<=30	Pass
		Inner 1RB Right	22.90	/	/	24.97	/	/	<=30	Pass
	3954.99	Edge 1RB Left	20.80	/	/	22.87	/	/	<=30	Pass
		Edge 1RB Right	19.77	/	/	21.84	/	/	<=30	Pass
		Outer Full	20.63	/	/	22.70	/	/	<=30	Pass
		Inner Full	21.23	/	/	23.30	/	/	<=30	Pass
		Inner 1RB Left	22.02	/	/	24.09	/	/	<=30	Pass
		Inner 1RB Right	21.18	/	/	23.25	/	/	<=30	Pass
		Edge 1RB Left	20.58	/	/	22.65	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3725.01	Edge 1RB Right	21.29	/	/	23.36	/	/	<=30	Pass
		Outer Full	20.85	/	/	22.92	/	/	<=30	Pass
		Inner Full	20.96	/	/	23.03	/	/	<=30	Pass
		Inner 1RB Left	20.61	/	/	22.68	/	/	<=30	Pass
		Inner 1RB Right	21.38	/	/	23.45	/	/	<=30	Pass
	3840	Edge 1RB Left	21.54	/	/	23.61	/	/	<=30	Pass
		Edge 1RB Right	22.05	/	/	24.12	/	/	<=30	Pass
		Outer Full	21.65	/	/	23.72	/	/	<=30	Pass
		Inner Full	21.69	/	/	23.76	/	/	<=30	Pass
		Inner 1RB Left	21.79	/	/	23.86	/	/	<=30	Pass
	3954.99	Inner 1RB Right	22.28	/	/	24.35	/	/	<=30	Pass
		Edge 1RB Left	20.38	/	/	22.45	/	/	<=30	Pass
		Edge 1RB Right	19.51	/	/	21.58	/	/	<=30	Pass
		Outer Full	20.31	/	/	22.38	/	/	<=30	Pass
		Inner Full	20.12	/	/	22.19	/	/	<=30	Pass
		Inner 1RB Left	20.37	/	/	22.44	/	/	<=30	Pass
		Inner 1RB Right	19.59	/	/	21.66	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3725.01	Edge 1RB Left	18.59	/	/	20.66	/	/	<=30	Pass
		Edge 1RB Right	19.27	/	/	21.34	/	/	<=30	Pass
		Outer Full	19.27	/	/	21.34	/	/	<=30	Pass
		Inner Full	19.07	/	/	21.14	/	/	<=30	Pass
		Inner 1RB Left	18.72	/	/	20.79	/	/	<=30	Pass
	3840	Inner 1RB Right	19.49	/	/	21.56	/	/	<=30	Pass
		Edge 1RB Left	19.52	/	/	21.59	/	/	<=30	Pass
		Edge 1RB Right	20.03	/	/	22.10	/	/	<=30	Pass
		Outer Full	19.92	/	/	21.99	/	/	<=30	Pass
		Inner Full	19.94	/	/	22.01	/	/	<=30	Pass
	3954.99	Inner 1RB Left	19.53	/	/	21.60	/	/	<=30	Pass
		Inner 1RB Right	20.13	/	/	22.20	/	/	<=30	Pass
		Edge 1RB Left	19.31	/	/	21.38	/	/	<=30	Pass
		Edge 1RB Right	18.32	/	/	20.39	/	/	<=30	Pass
		Outer Full	18.43	/	/	20.50	/	/	<=30	Pass
CP-OFDM QPSK	3725.01	Inner Full	18.68	/	/	20.75	/	/	<=30	Pass
		Inner 1RB Left	19.15	/	/	21.22	/	/	<=30	Pass
		Inner 1RB Right	18.50	/	/	20.57	/	/	<=30	Pass
	3725.01	Edge 1RB Left	20.79	/	/	22.86	/	/	<=30	Pass
		Edge 1RB Right	22.40	/	/	24.47	/	/	<=30	Pass

		Outer Full	20.36	/	/	22.43	/	/	<=30	Pass
		Inner Full	21.24	/	/	23.31	/	/	<=30	Pass
		Inner 1RB Left	21.21	/	/	23.28	/	/	<=30	Pass
		Inner 1RB Right	22.32	/	/	24.39	/	/	<=30	Pass
	3840	Edge 1RB Left	21.18	/	/	23.25	/	/	<=30	Pass
		Edge 1RB Right	23.00	/	/	25.07	/	/	<=30	Pass
		Outer Full	21.11	/	/	23.18	/	/	<=30	Pass
		Inner Full	21.85	/	/	23.92	/	/	<=30	Pass
	3954.99	Inner 1RB Left	21.66	/	/	23.73	/	/	<=30	Pass
		Inner 1RB Right	22.97	/	/	25.04	/	/	<=30	Pass
		Edge 1RB Left	20.44	/	/	22.51	/	/	<=30	Pass
		Edge 1RB Right	21.38	/	/	23.45	/	/	<=30	Pass
		Outer Full	20.01	/	/	22.08	/	/	<=30	Pass
		Inner Full	20.65	/	/	22.72	/	/	<=30	Pass
		Inner 1RB Left	21.29	/	/	23.36	/	/	<=30	Pass
		Inner 1RB Right	21.47	/	/	23.54	/	/	<=30	Pass
CP-OFDM 16 QAM	3725.01	Edge 1RB Left	20.59	/	/	22.66	/	/	<=30	Pass
		Edge 1RB Right	22.09	/	/	24.16	/	/	<=30	Pass
		Outer Full	20.31	/	/	22.38	/	/	<=30	Pass
		Inner Full	20.67	/	/	22.74	/	/	<=30	Pass
	3840	Inner 1RB Left	20.66	/	/	22.73	/	/	<=30	Pass
		Inner 1RB Right	22.11	/	/	24.18	/	/	<=30	Pass
		Edge 1RB Left	20.72	/	/	22.79	/	/	<=30	Pass
		Edge 1RB Right	22.28	/	/	24.35	/	/	<=30	Pass
	3954.99	Outer Full	21.00	/	/	23.07	/	/	<=30	Pass
		Inner Full	21.42	/	/	23.49	/	/	<=30	Pass
		Inner 1RB Left	20.83	/	/	22.90	/	/	<=30	Pass
		Inner 1RB Right	22.28	/	/	24.35	/	/	<=30	Pass
		Edge 1RB Left	20.31	/	/	22.38	/	/	<=30	Pass
		Edge 1RB Right	20.74	/	/	22.81	/	/	<=30	Pass
		Outer Full	19.81	/	/	21.88	/	/	<=30	Pass
		Inner Full	19.98	/	/	22.05	/	/	<=30	Pass
CP-OFDM 64 QAM	3725.01	Inner 1RB Left	20.38	/	/	22.45	/	/	<=30	Pass
		Inner 1RB Right	20.72	/	/	22.79	/	/	<=30	Pass
		Edge 1RB Left	19.98	/	/	22.05	/	/	<=30	Pass
		Edge 1RB Right	21.58	/	/	23.65	/	/	<=30	Pass
	3840	Outer Full	19.88	/	/	21.95	/	/	<=30	Pass
		Inner Full	20.18	/	/	22.25	/	/	<=30	Pass
		Inner 1RB Left	20.04	/	/	22.11	/	/	<=30	Pass
		Inner 1RB Right	21.56	/	/	23.63	/	/	<=30	Pass
	3954.99	Edge 1RB Left	20.53	/	/	22.60	/	/	<=30	Pass
		Edge 1RB Right	22.09	/	/	24.16	/	/	<=30	Pass
		Outer Full	20.62	/	/	22.69	/	/	<=30	Pass
		Inner Full	20.94	/	/	23.01	/	/	<=30	Pass
		Inner 1RB Left	20.61	/	/	22.68	/	/	<=30	Pass
		Inner 1RB Right	22.09	/	/	24.16	/	/	<=30	Pass
		Edge 1RB Left	20.07	/	/	22.14	/	/	<=30	Pass
		Edge 1RB Right	20.29	/	/	22.36	/	/	<=30	Pass
CP-OFDM 256 QAM	3725.01	Outer Full	19.33	/	/	21.40	/	/	<=30	Pass
		Inner Full	19.75	/	/	21.82	/	/	<=30	Pass
		Inner 1RB Left	20.47	/	/	22.54	/	/	<=30	Pass
		Inner 1RB Right	20.55	/	/	22.62	/	/	<=30	Pass
	3840	Edge 1RB Left	16.96	/	/	19.03	/	/	<=30	Pass
		Edge 1RB Right	18.74	/	/	20.81	/	/	<=30	Pass
		Outer Full	17.02	/	/	19.09	/	/	<=30	Pass
		Inner Full	17.07	/	/	19.14	/	/	<=30	Pass
		Inner 1RB Left	16.99	/	/	19.06	/	/	<=30	Pass
		Inner 1RB Right	18.76	/	/	20.83	/	/	<=30	Pass
		Edge 1RB Left	17.81	/	/	19.88	/	/	<=30	Pass

		Edge_1RB_Right	19.49	/	/	21.56	/	/	<=30	Pass
		Outer_Full	17.94	/	/	20.01	/	/	<=30	Pass
		Inner_Full	18.16	/	/	20.23	/	/	<=30	Pass
		Inner_1RB_Left	17.89	/	/	19.96	/	/	<=30	Pass
		Inner_1RB_Right	19.51	/	/	21.58	/	/	<=30	Pass
	3954.99	Edge_1RB_Left	17.36	/	/	19.43	/	/	<=30	Pass
		Edge_1RB_Right	17.71	/	/	19.78	/	/	<=30	Pass
		Outer_Full	16.89	/	/	18.96	/	/	<=30	Pass
		Inner_Full	16.77	/	/	18.84	/	/	<=30	Pass
		Inner_1RB_Left	17.45	/	/	19.52	/	/	<=30	Pass
		Inner_1RB_Right	17.69	/	/	19.76	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: 2.07dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.8 30k_SISO_10MHz_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 10MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3705	Edge 1RB Left	20.92	/	/	22.99	/	/	<=30	Pass
		Edge 1RB Right	20.83	/	/	22.90	/	/	<=30	Pass
		Outer Full	22.15	/	/	24.22	/	/	<=30	Pass
		Inner Full	22.24	/	/	24.31	/	/	<=30	Pass
		Inner 1RB Left	22.20	/	/	24.27	/	/	<=30	Pass
		Inner 1RB Right	22.07	/	/	24.14	/	/	<=30	Pass
	3840	Edge 1RB Left	22.57	/	/	24.64	/	/	<=30	Pass
		Edge 1RB Right	22.49	/	/	24.56	/	/	<=30	Pass
		Outer Full	23.55	/	/	25.62	/	/	<=30	Pass
		Inner Full	23.67	/	/	25.74	/	/	<=30	Pass
		Inner 1RB Left	23.83	/	/	25.90	/	/	<=30	Pass
		Inner 1RB Right	23.70	/	/	25.77	/	/	<=30	Pass
	3975	Edge 1RB Left	20.24	/	/	22.31	/	/	<=30	Pass
		Edge 1RB Right	20.21	/	/	22.28	/	/	<=30	Pass
		Outer Full	21.26	/	/	23.33	/	/	<=30	Pass
		Inner Full	21.43	/	/	23.50	/	/	<=30	Pass
		Inner 1RB Left	21.42	/	/	23.49	/	/	<=30	Pass
		Inner 1RB Right	21.38	/	/	23.45	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3705	Edge 1RB Left	20.74	/	/	22.81	/	/	<=30	Pass
		Edge 1RB Right	20.64	/	/	22.71	/	/	<=30	Pass
		Outer Full	21.52	/	/	23.59	/	/	<=30	Pass
		Inner Full	21.81	/	/	23.88	/	/	<=30	Pass
		Inner 1RB Left	21.68	/	/	23.75	/	/	<=30	Pass
		Inner 1RB Right	21.54	/	/	23.61	/	/	<=30	Pass
	3840	Edge 1RB Left	22.32	/	/	24.39	/	/	<=30	Pass
		Edge 1RB Right	22.17	/	/	24.24	/	/	<=30	Pass
		Outer Full	23.01	/	/	25.08	/	/	<=30	Pass
		Inner Full	23.28	/	/	25.35	/	/	<=30	Pass
		Inner 1RB Left	23.13	/	/	25.20	/	/	<=30	Pass
		Inner 1RB Right	23.08	/	/	25.15	/	/	<=30	Pass
	3975	Edge 1RB Left	20.01	/	/	22.08	/	/	<=30	Pass
		Edge 1RB Right	20.00	/	/	22.07	/	/	<=30	Pass
		Outer Full	20.71	/	/	22.78	/	/	<=30	Pass
		Inner Full	20.97	/	/	23.04	/	/	<=30	Pass
		Inner 1RB Left	20.89	/	/	22.96	/	/	<=30	Pass
		Inner 1RB Right	20.88	/	/	22.95	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3705	Edge 1RB Left	20.72	/	/	22.79	/	/	<=30	Pass
		Edge 1RB Right	20.62	/	/	22.69	/	/	<=30	Pass
		Outer Full	21.36	/	/	23.43	/	/	<=30	Pass

		Inner Full	21.28	/	/	23.35	/	/	<=30	Pass
		Inner 1RB Left	21.15	/	/	23.22	/	/	<=30	Pass
		Inner 1RB Right	21.02	/	/	23.09	/	/	<=30	Pass
	3840	Edge 1RB Left	22.31	/	/	24.38	/	/	<=30	Pass
		Edge 1RB Right	22.25	/	/	24.32	/	/	<=30	Pass
		Outer Full	22.85	/	/	24.92	/	/	<=30	Pass
		Inner Full	22.82	/	/	24.89	/	/	<=30	Pass
		Inner 1RB Left	22.69	/	/	24.76	/	/	<=30	Pass
		Inner 1RB Right	22.60	/	/	24.67	/	/	<=30	Pass
	3975	Edge 1RB Left	20.01	/	/	22.08	/	/	<=30	Pass
		Edge 1RB Right	19.99	/	/	22.06	/	/	<=30	Pass
		Outer Full	20.51	/	/	22.58	/	/	<=30	Pass
		Inner Full	20.46	/	/	22.53	/	/	<=30	Pass
		Inner 1RB Left	20.35	/	/	22.42	/	/	<=30	Pass
		Inner 1RB Right	20.37	/	/	22.44	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3705	Edge 1RB Left	20.23	/	/	22.30	/	/	<=30	Pass
		Edge 1RB Right	19.91	/	/	21.98	/	/	<=30	Pass
		Outer Full	20.43	/	/	22.50	/	/	<=30	Pass
		Inner Full	20.35	/	/	22.42	/	/	<=30	Pass
		Inner 1RB Left	20.02	/	/	22.09	/	/	<=30	Pass
		Inner 1RB Right	19.95	/	/	22.02	/	/	<=30	Pass
	3840	Edge 1RB Left	21.86	/	/	23.93	/	/	<=30	Pass
		Edge 1RB Right	21.81	/	/	23.88	/	/	<=30	Pass
		Outer Full	22.05	/	/	24.12	/	/	<=30	Pass
		Inner Full	21.99	/	/	24.06	/	/	<=30	Pass
		Inner 1RB Left	21.84	/	/	23.91	/	/	<=30	Pass
		Inner 1RB Right	21.83	/	/	23.90	/	/	<=30	Pass
	3975	Edge 1RB Left	19.49	/	/	21.56	/	/	<=30	Pass
		Edge 1RB Right	19.46	/	/	21.53	/	/	<=30	Pass
		Outer Full	19.63	/	/	21.70	/	/	<=30	Pass
		Inner Full	19.54	/	/	21.61	/	/	<=30	Pass
		Inner 1RB Left	19.48	/	/	21.55	/	/	<=30	Pass
		Inner 1RB Right	19.48	/	/	21.55	/	/	<=30	Pass
CP-OFDM QPSK	3705	Edge 1RB Left	20.31	/	/	22.38	/	/	<=30	Pass
		Edge 1RB Right	20.34	/	/	22.41	/	/	<=30	Pass
		Outer Full	20.74	/	/	22.81	/	/	<=30	Pass
		Inner Full	21.25	/	/	23.32	/	/	<=30	Pass
		Inner 1RB Left	21.21	/	/	23.28	/	/	<=30	Pass
		Inner 1RB Right	21.09	/	/	23.16	/	/	<=30	Pass
	3840	Edge 1RB Left	22.01	/	/	24.08	/	/	<=30	Pass
		Edge 1RB Right	22.07	/	/	24.14	/	/	<=30	Pass
		Outer Full	22.28	/	/	24.35	/	/	<=30	Pass
		Inner Full	22.82	/	/	24.89	/	/	<=30	Pass
		Inner 1RB Left	22.77	/	/	24.84	/	/	<=30	Pass
		Inner 1RB Right	22.72	/	/	24.79	/	/	<=30	Pass
	3975	Edge 1RB Left	19.74	/	/	21.81	/	/	<=30	Pass
		Edge 1RB Right	19.80	/	/	21.87	/	/	<=30	Pass
		Outer Full	19.91	/	/	21.98	/	/	<=30	Pass
		Inner Full	20.51	/	/	22.58	/	/	<=30	Pass
		Inner 1RB Left	20.56	/	/	22.63	/	/	<=30	Pass
		Inner 1RB Right	20.52	/	/	22.59	/	/	<=30	Pass
CP-OFDM 16 QAM	3705	Edge 1RB Left	20.36	/	/	22.43	/	/	<=30	Pass
		Edge 1RB Right	20.32	/	/	22.39	/	/	<=30	Pass
		Outer Full	20.65	/	/	22.72	/	/	<=30	Pass
		Inner Full	21.18	/	/	23.25	/	/	<=30	Pass
		Inner 1RB Left	21.01	/	/	23.08	/	/	<=30	Pass
		Inner 1RB Right	20.86	/	/	22.93	/	/	<=30	Pass
	3840	Edge 1RB Left	21.83	/	/	23.90	/	/	<=30	Pass
		Edge 1RB Right	22.02	/	/	24.09	/	/	<=30	Pass

		Outer_Full	22.22	/	/	24.29	/	/	<=30	Pass
		Inner_Full	22.69	/	/	24.76	/	/	<=30	Pass
		Inner_1RB_Left	22.63	/	/	24.70	/	/	<=30	Pass
		Inner_1RB_Right	22.55	/	/	24.62	/	/	<=30	Pass
	3975	Edge_1RB_Left	19.68	/	/	21.75	/	/	<=30	Pass
		Edge_1RB_Right	19.78	/	/	21.85	/	/	<=30	Pass
		Outer_Full	19.88	/	/	21.95	/	/	<=30	Pass
		Inner_Full	20.34	/	/	22.41	/	/	<=30	Pass
		Inner_1RB_Left	20.38	/	/	22.45	/	/	<=30	Pass
		Inner_1RB_Right	20.32	/	/	22.39	/	/	<=30	Pass
CP-OFDM 64 QAM	3705	Edge_1RB_Left	20.39	/	/	22.46	/	/	<=30	Pass
		Edge_1RB_Right	20.35	/	/	22.42	/	/	<=30	Pass
		Outer_Full	20.51	/	/	22.58	/	/	<=30	Pass
		Inner_Full	20.58	/	/	22.65	/	/	<=30	Pass
		Inner_1RB_Left	20.42	/	/	22.49	/	/	<=30	Pass
		Inner_1RB_Right	20.30	/	/	22.37	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.93	/	/	24.00	/	/	<=30	Pass
		Edge_1RB_Right	22.02	/	/	24.09	/	/	<=30	Pass
		Outer_Full	22.05	/	/	24.12	/	/	<=30	Pass
		Inner_Full	22.12	/	/	24.19	/	/	<=30	Pass
		Inner_1RB_Left	21.98	/	/	24.05	/	/	<=30	Pass
		Inner_1RB_Right	21.97	/	/	24.04	/	/	<=30	Pass
	3975	Edge_1RB_Left	19.70	/	/	21.77	/	/	<=30	Pass
		Edge_1RB_Right	19.79	/	/	21.86	/	/	<=30	Pass
		Outer_Full	19.71	/	/	21.78	/	/	<=30	Pass
		Inner_Full	19.77	/	/	21.84	/	/	<=30	Pass
		Inner_1RB_Left	19.74	/	/	21.81	/	/	<=30	Pass
		Inner_1RB_Right	19.72	/	/	21.79	/	/	<=30	Pass
CP-OFDM 256 QAM	3705	Edge_1RB_Left	18.76	/	/	20.83	/	/	<=30	Pass
		Edge_1RB_Right	18.85	/	/	20.92	/	/	<=30	Pass
		Outer_Full	18.88	/	/	20.95	/	/	<=30	Pass
		Inner_Full	18.88	/	/	20.95	/	/	<=30	Pass
		Inner_1RB_Left	18.77	/	/	20.84	/	/	<=30	Pass
		Inner_1RB_Right	18.70	/	/	20.77	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.54	/	/	22.61	/	/	<=30	Pass
		Edge_1RB_Right	20.52	/	/	22.59	/	/	<=30	Pass
		Outer_Full	20.59	/	/	22.66	/	/	<=30	Pass
		Inner_Full	20.62	/	/	22.69	/	/	<=30	Pass
		Inner_1RB_Left	20.57	/	/	22.64	/	/	<=30	Pass
		Inner_1RB_Right	20.48	/	/	22.55	/	/	<=30	Pass
	3975	Edge_1RB_Left	18.22	/	/	20.29	/	/	<=30	Pass
		Edge_1RB_Right	18.27	/	/	20.34	/	/	<=30	Pass
		Outer_Full	18.15	/	/	20.22	/	/	<=30	Pass
		Inner_Full	18.14	/	/	20.21	/	/	<=30	Pass
		Inner_1RB_Left	18.16	/	/	20.23	/	/	<=30	Pass
		Inner_1RB_Right	18.15	/	/	20.22	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: 2.07dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.9 30k_SISO_15MHz_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 15MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3707.52	Edge_1RB_Left	21.02	/	/	23.09	/	/	<=30	Pass
		Edge_1RB_Right	20.92	/	/	22.99	/	/	<=30	Pass
		Outer_Full	22.18	/	/	24.25	/	/	<=30	Pass
		Inner_Full	22.31	/	/	24.38	/	/	<=30	Pass

		Inner 1RB Left	22.26	/	/	24.33	/	/	<=30	Pass
		Inner 1RB Right	22.09	/	/	24.16	/	/	<=30	Pass
	3840	Edge 1RB Left	22.61	/	/	24.68	/	/	<=30	Pass
		Edge 1RB Right	22.53	/	/	24.60	/	/	<=30	Pass
		Outer Full	23.64	/	/	25.71	/	/	<=30	Pass
		Inner Full	23.79	/	/	25.86	/	/	<=30	Pass
		Inner 1RB Left	23.70	/	/	25.77	/	/	<=30	Pass
		Inner 1RB Right	23.67	/	/	25.74	/	/	<=30	Pass
	3972.48	Edge 1RB Left	20.24	/	/	22.31	/	/	<=30	Pass
		Edge 1RB Right	20.25	/	/	22.32	/	/	<=30	Pass
		Outer Full	21.25	/	/	23.32	/	/	<=30	Pass
		Inner Full	21.45	/	/	23.52	/	/	<=30	Pass
		Inner 1RB Left	21.58	/	/	23.65	/	/	<=30	Pass
		Inner 1RB Right	21.41	/	/	23.48	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3707.52	Edge 1RB Left	20.78	/	/	22.85	/	/	<=30	Pass
		Edge 1RB Right	20.59	/	/	22.66	/	/	<=30	Pass
		Outer Full	21.54	/	/	23.61	/	/	<=30	Pass
		Inner Full	21.87	/	/	23.94	/	/	<=30	Pass
		Inner 1RB Left	21.78	/	/	23.85	/	/	<=30	Pass
		Inner 1RB Right	21.51	/	/	23.58	/	/	<=30	Pass
	3840	Edge 1RB Left	22.37	/	/	24.44	/	/	<=30	Pass
		Edge 1RB Right	22.33	/	/	24.40	/	/	<=30	Pass
		Outer Full	23.06	/	/	25.13	/	/	<=30	Pass
		Inner Full	23.39	/	/	25.46	/	/	<=30	Pass
		Inner 1RB Left	23.21	/	/	25.28	/	/	<=30	Pass
		Inner 1RB Right	23.17	/	/	25.24	/	/	<=30	Pass
	3972.48	Edge 1RB Left	19.96	/	/	22.03	/	/	<=30	Pass
		Edge 1RB Right	20.00	/	/	22.07	/	/	<=30	Pass
		Outer Full	20.69	/	/	22.76	/	/	<=30	Pass
		Inner Full	20.98	/	/	23.05	/	/	<=30	Pass
		Inner 1RB Left	20.84	/	/	22.91	/	/	<=30	Pass
		Inner 1RB Right	20.90	/	/	22.97	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3707.52	Edge 1RB Left	20.80	/	/	22.87	/	/	<=30	Pass
		Edge 1RB Right	20.61	/	/	22.68	/	/	<=30	Pass
		Outer Full	21.38	/	/	23.45	/	/	<=30	Pass
		Inner Full	21.34	/	/	23.41	/	/	<=30	Pass
		Inner 1RB Left	21.24	/	/	23.31	/	/	<=30	Pass
		Inner 1RB Right	21.03	/	/	23.10	/	/	<=30	Pass
	3840	Edge 1RB Left	22.36	/	/	24.43	/	/	<=30	Pass
		Edge 1RB Right	22.33	/	/	24.40	/	/	<=30	Pass
		Outer Full	22.92	/	/	24.99	/	/	<=30	Pass
		Inner Full	22.92	/	/	24.99	/	/	<=30	Pass
		Inner 1RB Left	22.76	/	/	24.83	/	/	<=30	Pass
		Inner 1RB Right	22.67	/	/	24.74	/	/	<=30	Pass
	3972.48	Edge 1RB Left	19.99	/	/	22.06	/	/	<=30	Pass
		Edge 1RB Right	20.03	/	/	22.10	/	/	<=30	Pass
		Outer Full	20.49	/	/	22.56	/	/	<=30	Pass
		Inner Full	20.47	/	/	22.54	/	/	<=30	Pass
		Inner 1RB Left	20.35	/	/	22.42	/	/	<=30	Pass
		Inner 1RB Right	20.42	/	/	22.49	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3707.52	Edge 1RB Left	20.34	/	/	22.41	/	/	<=30	Pass
		Edge 1RB Right	20.14	/	/	22.21	/	/	<=30	Pass
		Outer Full	20.47	/	/	22.54	/	/	<=30	Pass
		Inner Full	20.40	/	/	22.47	/	/	<=30	Pass
		Inner 1RB Left	20.34	/	/	22.41	/	/	<=30	Pass
		Inner 1RB Right	20.20	/	/	22.27	/	/	<=30	Pass
	3840	Edge 1RB Left	21.95	/	/	24.02	/	/	<=30	Pass
		Edge 1RB Right	21.87	/	/	23.94	/	/	<=30	Pass
		Outer Full	22.14	/	/	24.21	/	/	<=30	Pass

		Inner Full	22.10	/	/	24.17	/	/	<=30	Pass
		Inner 1RB Left	21.92	/	/	23.99	/	/	<=30	Pass
		Inner 1RB Right	21.88	/	/	23.95	/	/	<=30	Pass
	3972.48	Edge 1RB Left	19.54	/	/	21.61	/	/	<=30	Pass
		Edge 1RB Right	19.53	/	/	21.60	/	/	<=30	Pass
		Outer Full	19.63	/	/	21.70	/	/	<=30	Pass
		Inner Full	19.56	/	/	21.63	/	/	<=30	Pass
		Inner 1RB Left	19.60	/	/	21.67	/	/	<=30	Pass
		Inner 1RB Right	19.56	/	/	21.63	/	/	<=30	Pass
CP-OFDM QPSK	3707.52	Edge 1RB Left	20.35	/	/	22.42	/	/	<=30	Pass
		Edge 1RB Right	20.34	/	/	22.41	/	/	<=30	Pass
		Outer Full	20.76	/	/	22.83	/	/	<=30	Pass
		Inner Full	21.31	/	/	23.38	/	/	<=30	Pass
		Inner 1RB Left	21.21	/	/	23.28	/	/	<=30	Pass
		Inner 1RB Right	21.23	/	/	23.30	/	/	<=30	Pass
	3840	Edge 1RB Left	22.09	/	/	24.16	/	/	<=30	Pass
		Edge 1RB Right	22.05	/	/	24.12	/	/	<=30	Pass
		Outer Full	22.33	/	/	24.40	/	/	<=30	Pass
		Inner Full	22.87	/	/	24.94	/	/	<=30	Pass
		Inner 1RB Left	22.83	/	/	24.90	/	/	<=30	Pass
		Inner 1RB Right	22.86	/	/	24.93	/	/	<=30	Pass
	3972.48	Edge 1RB Left	19.67	/	/	21.74	/	/	<=30	Pass
		Edge 1RB Right	19.73	/	/	21.80	/	/	<=30	Pass
		Outer Full	19.89	/	/	21.96	/	/	<=30	Pass
		Inner Full	20.48	/	/	22.55	/	/	<=30	Pass
		Inner 1RB Left	20.46	/	/	22.53	/	/	<=30	Pass
		Inner 1RB Right	20.53	/	/	22.60	/	/	<=30	Pass
CP-OFDM 16 QAM	3707.52	Edge 1RB Left	20.37	/	/	22.44	/	/	<=30	Pass
		Edge 1RB Right	20.21	/	/	22.28	/	/	<=30	Pass
		Outer Full	20.69	/	/	22.76	/	/	<=30	Pass
		Inner Full	21.19	/	/	23.26	/	/	<=30	Pass
		Inner 1RB Left	21.05	/	/	23.12	/	/	<=30	Pass
		Inner 1RB Right	20.93	/	/	23.00	/	/	<=30	Pass
	3840	Edge 1RB Left	22.01	/	/	24.08	/	/	<=30	Pass
		Edge 1RB Right	22.09	/	/	24.16	/	/	<=30	Pass
		Outer Full	22.27	/	/	24.34	/	/	<=30	Pass
		Inner Full	22.76	/	/	24.83	/	/	<=30	Pass
		Inner 1RB Left	22.71	/	/	24.78	/	/	<=30	Pass
		Inner 1RB Right	22.73	/	/	24.80	/	/	<=30	Pass
	3972.48	Edge 1RB Left	19.60	/	/	21.67	/	/	<=30	Pass
		Edge 1RB Right	19.69	/	/	21.76	/	/	<=30	Pass
		Outer Full	19.86	/	/	21.93	/	/	<=30	Pass
		Inner Full	20.31	/	/	22.38	/	/	<=30	Pass
		Inner 1RB Left	20.23	/	/	22.30	/	/	<=30	Pass
		Inner 1RB Right	20.38	/	/	22.45	/	/	<=30	Pass
CP-OFDM 64 QAM	3707.52	Edge 1RB Left	20.45	/	/	22.52	/	/	<=30	Pass
		Edge 1RB Right	20.26	/	/	22.33	/	/	<=30	Pass
		Outer Full	20.55	/	/	22.62	/	/	<=30	Pass
		Inner Full	20.59	/	/	22.66	/	/	<=30	Pass
		Inner 1RB Left	20.48	/	/	22.55	/	/	<=30	Pass
		Inner 1RB Right	20.42	/	/	22.49	/	/	<=30	Pass
	3840	Edge 1RB Left	22.05	/	/	24.12	/	/	<=30	Pass
		Edge 1RB Right	22.05	/	/	24.12	/	/	<=30	Pass
		Outer Full	22.18	/	/	24.25	/	/	<=30	Pass
		Inner Full	22.24	/	/	24.31	/	/	<=30	Pass
		Inner 1RB Left	22.11	/	/	24.18	/	/	<=30	Pass
		Inner 1RB Right	22.17	/	/	24.24	/	/	<=30	Pass
	3972.48	Edge 1RB Left	19.67	/	/	21.74	/	/	<=30	Pass
		Edge 1RB Right	19.77	/	/	21.84	/	/	<=30	Pass

		Outer_Full	19.72	/	/	21.79	/	/	<=30	Pass
		Inner_Full	19.75	/	/	21.82	/	/	<=30	Pass
		Inner_1RB_Left	19.71	/	/	21.78	/	/	<=30	Pass
		Inner_1RB_Right	19.87	/	/	21.94	/	/	<=30	Pass
CP-OFDM 256 QAM	3707.52	Edge_1RB_Left	18.85	/	/	20.92	/	/	<=30	Pass
		Edge_1RB_Right	18.75	/	/	20.82	/	/	<=30	Pass
		Outer_Full	18.93	/	/	21.00	/	/	<=30	Pass
		Inner_Full	18.94	/	/	21.01	/	/	<=30	Pass
		Inner_1RB_Left	18.83	/	/	20.90	/	/	<=30	Pass
		Inner_1RB_Right	18.87	/	/	20.94	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.45	/	/	22.52	/	/	<=30	Pass
		Edge_1RB_Right	20.53	/	/	22.60	/	/	<=30	Pass
		Outer_Full	20.71	/	/	22.78	/	/	<=30	Pass
		Inner_Full	20.75	/	/	22.82	/	/	<=30	Pass
		Inner_1RB_Left	20.65	/	/	22.72	/	/	<=30	Pass
		Inner_1RB_Right	20.73	/	/	22.80	/	/	<=30	Pass
	3972.48	Edge_1RB_Left	18.19	/	/	20.26	/	/	<=30	Pass
		Edge_1RB_Right	18.24	/	/	20.31	/	/	<=30	Pass
		Outer_Full	18.16	/	/	20.23	/	/	<=30	Pass
		Inner_Full	18.15	/	/	20.22	/	/	<=30	Pass
		Inner_1RB_Left	18.18	/	/	20.25	/	/	<=30	Pass
		Inner_1RB_Right	18.28	/	/	20.35	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: 2.07dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.10 30k_SISO_20MHz_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3710.01	Edge_1RB_Left	20.87	/	/	22.94	/	/	<=30	Pass
		Edge_1RB_Right	20.82	/	/	22.89	/	/	<=30	Pass
		Outer_Full	22.11	/	/	24.18	/	/	<=30	Pass
		Inner_Full	22.30	/	/	24.37	/	/	<=30	Pass
		Inner_1RB_Left	22.23	/	/	24.30	/	/	<=30	Pass
		Inner_1RB_Right	22.05	/	/	24.12	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.49	/	/	24.56	/	/	<=30	Pass
		Edge_1RB_Right	22.38	/	/	24.45	/	/	<=30	Pass
		Outer_Full	23.56	/	/	25.63	/	/	<=30	Pass
		Inner_Full	23.78	/	/	25.85	/	/	<=30	Pass
		Inner_1RB_Left	23.76	/	/	25.83	/	/	<=30	Pass
		Inner_1RB_Right	23.53	/	/	25.60	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	20.21	/	/	22.28	/	/	<=30	Pass
		Edge_1RB_Right	20.12	/	/	22.19	/	/	<=30	Pass
		Outer_Full	21.22	/	/	23.29	/	/	<=30	Pass
		Inner_Full	21.48	/	/	23.55	/	/	<=30	Pass
		Inner_1RB_Left	21.49	/	/	23.56	/	/	<=30	Pass
		Inner_1RB_Right	21.38	/	/	23.45	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3710.01	Edge_1RB_Left	20.68	/	/	22.75	/	/	<=30	Pass
		Edge_1RB_Right	20.42	/	/	22.49	/	/	<=30	Pass
		Outer_Full	21.51	/	/	23.58	/	/	<=30	Pass
		Inner_Full	21.87	/	/	23.94	/	/	<=30	Pass
		Inner_1RB_Left	21.65	/	/	23.72	/	/	<=30	Pass
		Inner_1RB_Right	21.38	/	/	23.45	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.26	/	/	24.33	/	/	<=30	Pass
		Edge_1RB_Right	22.20	/	/	24.27	/	/	<=30	Pass
		Outer_Full	22.98	/	/	25.05	/	/	<=30	Pass
		Inner_Full	23.38	/	/	25.45	/	/	<=30	Pass

		Inner 1RB Left	23.09	/	/	25.16	/	/	<=30	Pass
		Inner 1RB Right	23.03	/	/	25.10	/	/	<=30	Pass
	3969.99	Edge 1RB Left	19.91	/	/	21.98	/	/	<=30	Pass
		Edge 1RB Right	19.95	/	/	22.02	/	/	<=30	Pass
		Outer Full	20.67	/	/	22.74	/	/	<=30	Pass
		Inner Full	21.01	/	/	23.08	/	/	<=30	Pass
		Inner 1RB Left	20.79	/	/	22.86	/	/	<=30	Pass
		Inner 1RB Right	20.85	/	/	22.92	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3710.01	Edge 1RB Left	20.71	/	/	22.78	/	/	<=30	Pass
		Edge 1RB Right	20.48	/	/	22.55	/	/	<=30	Pass
		Outer Full	21.34	/	/	23.41	/	/	<=30	Pass
		Inner Full	21.34	/	/	23.41	/	/	<=30	Pass
		Inner 1RB Left	21.15	/	/	23.22	/	/	<=30	Pass
		Inner 1RB Right	20.87	/	/	22.94	/	/	<=30	Pass
	3840	Edge 1RB Left	22.23	/	/	24.30	/	/	<=30	Pass
		Edge 1RB Right	22.15	/	/	24.22	/	/	<=30	Pass
		Outer Full	22.86	/	/	24.93	/	/	<=30	Pass
		Inner Full	22.89	/	/	24.96	/	/	<=30	Pass
		Inner 1RB Left	22.58	/	/	24.65	/	/	<=30	Pass
		Inner 1RB Right	22.53	/	/	24.60	/	/	<=30	Pass
	3969.99	Edge 1RB Left	19.89	/	/	21.96	/	/	<=30	Pass
		Edge 1RB Right	19.92	/	/	21.99	/	/	<=30	Pass
		Outer Full	20.48	/	/	22.55	/	/	<=30	Pass
		Inner Full	20.51	/	/	22.58	/	/	<=30	Pass
		Inner 1RB Left	20.27	/	/	22.34	/	/	<=30	Pass
		Inner 1RB Right	20.29	/	/	22.36	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3710.01	Edge 1RB Left	20.22	/	/	22.29	/	/	<=30	Pass
		Edge 1RB Right	19.97	/	/	22.04	/	/	<=30	Pass
		Outer Full	20.45	/	/	22.52	/	/	<=30	Pass
		Inner Full	20.43	/	/	22.50	/	/	<=30	Pass
		Inner 1RB Left	20.17	/	/	22.24	/	/	<=30	Pass
		Inner 1RB Right	20.02	/	/	22.09	/	/	<=30	Pass
	3840	Edge 1RB Left	21.64	/	/	23.71	/	/	<=30	Pass
		Edge 1RB Right	21.63	/	/	23.70	/	/	<=30	Pass
		Outer Full	22.06	/	/	24.13	/	/	<=30	Pass
		Inner Full	22.10	/	/	24.17	/	/	<=30	Pass
		Inner 1RB Left	21.66	/	/	23.73	/	/	<=30	Pass
		Inner 1RB Right	21.65	/	/	23.72	/	/	<=30	Pass
	3969.99	Edge 1RB Left	19.26	/	/	21.33	/	/	<=30	Pass
		Edge 1RB Right	19.25	/	/	21.32	/	/	<=30	Pass
		Outer Full	19.62	/	/	21.69	/	/	<=30	Pass
		Inner Full	19.62	/	/	21.69	/	/	<=30	Pass
		Inner 1RB Left	19.32	/	/	21.39	/	/	<=30	Pass
		Inner 1RB Right	19.27	/	/	21.34	/	/	<=30	Pass
CP-OFDM QPSK	3710.01	Edge 1RB Left	20.29	/	/	22.36	/	/	<=30	Pass
		Edge 1RB Right	20.32	/	/	22.39	/	/	<=30	Pass
		Outer Full	20.71	/	/	22.78	/	/	<=30	Pass
		Inner Full	21.24	/	/	23.31	/	/	<=30	Pass
		Inner 1RB Left	21.19	/	/	23.26	/	/	<=30	Pass
		Inner 1RB Right	21.09	/	/	23.16	/	/	<=30	Pass
	3840	Edge 1RB Left	21.94	/	/	24.01	/	/	<=30	Pass
		Edge 1RB Right	21.96	/	/	24.03	/	/	<=30	Pass
		Outer Full	22.25	/	/	24.32	/	/	<=30	Pass
		Inner Full	22.80	/	/	24.87	/	/	<=30	Pass
		Inner 1RB Left	22.71	/	/	24.78	/	/	<=30	Pass
		Inner 1RB Right	22.71	/	/	24.78	/	/	<=30	Pass
	3969.99	Edge 1RB Left	19.65	/	/	21.72	/	/	<=30	Pass
		Edge 1RB Right	19.75	/	/	21.82	/	/	<=30	Pass
		Outer Full	19.86	/	/	21.93	/	/	<=30	Pass

		Inner Full	20.43	/	/	22.50	/	/	<=30	Pass		
		Inner_1RB_Left	20.48	/	/	22.55	/	/	<=30	Pass		
		Inner_1RB_Right	20.46	/	/	22.53	/	/	<=30	Pass		
CP-OFDM 16 QAM	3710.01	Edge_1RB_Left	20.30	/	/	22.37	/	/	<=30	Pass		
		Edge_1RB_Right	20.13	/	/	22.20	/	/	<=30	Pass		
		Outer_Full	20.68	/	/	22.75	/	/	<=30	Pass		
		Inner_Full	21.11	/	/	23.18	/	/	<=30	Pass		
		Inner_1RB_Left	20.97	/	/	23.04	/	/	<=30	Pass		
		Inner_1RB_Right	20.74	/	/	22.81	/	/	<=30	Pass		
		Edge_1RB_Left	21.80	/	/	23.87	/	/	<=30	Pass		
		Edge_1RB_Right	21.85	/	/	23.92	/	/	<=30	Pass		
	3840	Outer_Full	22.20	/	/	24.27	/	/	<=30	Pass		
		Inner_Full	22.70	/	/	24.77	/	/	<=30	Pass		
		Inner_1RB_Left	22.49	/	/	24.56	/	/	<=30	Pass		
		Inner_1RB_Right	22.44	/	/	24.51	/	/	<=30	Pass		
		Edge_1RB_Left	19.56	/	/	21.63	/	/	<=30	Pass		
		Edge_1RB_Right	19.71	/	/	21.78	/	/	<=30	Pass		
	3969.99	Outer_Full	19.85	/	/	21.92	/	/	<=30	Pass		
		Inner_Full	20.28	/	/	22.35	/	/	<=30	Pass		
		Inner_1RB_Left	20.18	/	/	22.25	/	/	<=30	Pass		
		Inner_1RB_Right	20.22	/	/	22.29	/	/	<=30	Pass		
Edge_1RB_Left		20.33	/	/	22.40	/	/	<=30	Pass			
Edge_1RB_Right		20.19	/	/	22.26	/	/	<=30	Pass			
CP-OFDM 64 QAM	3710.01	Outer_Full	20.48	/	/	22.55	/	/	<=30	Pass		
		Inner_Full	20.49	/	/	22.56	/	/	<=30	Pass		
		Inner_1RB_Left	20.36	/	/	22.43	/	/	<=30	Pass		
		Inner_1RB_Right	20.19	/	/	22.26	/	/	<=30	Pass		
		Edge_1RB_Left	21.84	/	/	23.91	/	/	<=30	Pass		
		Edge_1RB_Right	21.90	/	/	23.97	/	/	<=30	Pass		
	3840	Outer_Full	22.06	/	/	24.13	/	/	<=30	Pass		
		Inner_Full	22.09	/	/	24.16	/	/	<=30	Pass		
		Inner_1RB_Left	21.91	/	/	23.98	/	/	<=30	Pass		
		Inner_1RB_Right	21.86	/	/	23.93	/	/	<=30	Pass		
		Edge_1RB_Left	19.58	/	/	21.65	/	/	<=30	Pass		
		Edge_1RB_Right	19.71	/	/	21.78	/	/	<=30	Pass		
	3969.99	Outer_Full	19.67	/	/	21.74	/	/	<=30	Pass		
		Inner_Full	19.67	/	/	21.74	/	/	<=30	Pass		
		Inner_1RB_Left	19.63	/	/	21.70	/	/	<=30	Pass		
		Inner_1RB_Right	19.69	/	/	21.76	/	/	<=30	Pass		
		Edge_1RB_Left	18.49	/	/	20.56	/	/	<=30	Pass		
		Edge_1RB_Right	18.71	/	/	20.78	/	/	<=30	Pass		
CP-OFDM 256 QAM	3710.01	Outer_Full	18.87	/	/	20.94	/	/	<=30	Pass		
		Inner_Full	18.81	/	/	20.88	/	/	<=30	Pass		
		Inner_1RB_Left	18.71	/	/	20.78	/	/	<=30	Pass		
		Inner_1RB_Right	18.63	/	/	20.70	/	/	<=30	Pass		
		Edge_1RB_Left	20.37	/	/	22.44	/	/	<=30	Pass		
		Edge_1RB_Right	20.46	/	/	22.53	/	/	<=30	Pass		
	3840	Outer_Full	20.56	/	/	22.63	/	/	<=30	Pass		
		Inner_Full	20.58	/	/	22.65	/	/	<=30	Pass		
		Inner_1RB_Left	20.41	/	/	22.48	/	/	<=30	Pass		
		Inner_1RB_Right	20.37	/	/	22.44	/	/	<=30	Pass		
		Edge_1RB_Left	18.12	/	/	20.19	/	/	<=30	Pass		
		Edge_1RB_Right	18.15	/	/	20.22	/	/	<=30	Pass		
	3969.99	Outer_Full	18.09	/	/	20.16	/	/	<=30	Pass		
		Inner_Full	18.08	/	/	20.15	/	/	<=30	Pass		
		Inner_1RB_Left	18.08	/	/	20.15	/	/	<=30	Pass		
		Inner_1RB_Right	18.16	/	/	20.23	/	/	<=30	Pass		
		Note1: Antenna Gain: Ant1: 2.07dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.11 30k_SISO_25MHz_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 25MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3712.5	Edge 1RB Left	20.90	/	/	22.97	/	/	<=30	Pass
		Edge 1RB Right	20.76	/	/	22.83	/	/	<=30	Pass
		Outer Full	22.04	/	/	24.11	/	/	<=30	Pass
		Inner Full	22.25	/	/	24.32	/	/	<=30	Pass
		Inner 1RB Left	22.17	/	/	24.24	/	/	<=30	Pass
		Inner 1RB Right	21.97	/	/	24.04	/	/	<=30	Pass
	3840	Edge 1RB Left	22.41	/	/	24.48	/	/	<=30	Pass
		Edge 1RB Right	22.23	/	/	24.30	/	/	<=30	Pass
		Outer Full	23.54	/	/	25.61	/	/	<=30	Pass
		Inner Full	23.74	/	/	25.81	/	/	<=30	Pass
		Inner 1RB Left	23.58	/	/	25.65	/	/	<=30	Pass
		Inner 1RB Right	23.58	/	/	25.65	/	/	<=30	Pass
	3967.5	Edge 1RB Left	20.23	/	/	22.30	/	/	<=30	Pass
		Edge 1RB Right	20.03	/	/	22.10	/	/	<=30	Pass
		Outer Full	21.20	/	/	23.27	/	/	<=30	Pass
		Inner Full	21.46	/	/	23.53	/	/	<=30	Pass
		Inner 1RB Left	21.76	/	/	23.83	/	/	<=30	Pass
		Inner 1RB Right	21.34	/	/	23.41	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3712.5	Edge 1RB Left	20.76	/	/	22.83	/	/	<=30	Pass
		Edge 1RB Right	20.40	/	/	22.47	/	/	<=30	Pass
		Outer Full	21.48	/	/	23.55	/	/	<=30	Pass
		Inner Full	21.78	/	/	23.85	/	/	<=30	Pass
		Inner 1RB Left	21.67	/	/	23.74	/	/	<=30	Pass
		Inner 1RB Right	21.29	/	/	23.36	/	/	<=30	Pass
	3840	Edge 1RB Left	22.14	/	/	24.21	/	/	<=30	Pass
		Edge 1RB Right	21.99	/	/	24.06	/	/	<=30	Pass
		Outer Full	22.96	/	/	25.03	/	/	<=30	Pass
		Inner Full	23.33	/	/	25.40	/	/	<=30	Pass
		Inner 1RB Left	23.01	/	/	25.08	/	/	<=30	Pass
		Inner 1RB Right	22.89	/	/	24.96	/	/	<=30	Pass
	3967.5	Edge 1RB Left	19.96	/	/	22.03	/	/	<=30	Pass
		Edge 1RB Right	19.83	/	/	21.90	/	/	<=30	Pass
		Outer Full	20.65	/	/	22.72	/	/	<=30	Pass
		Inner Full	20.96	/	/	23.03	/	/	<=30	Pass
		Inner 1RB Left	20.83	/	/	22.90	/	/	<=30	Pass
		Inner 1RB Right	20.76	/	/	22.83	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3712.5	Edge 1RB Left	20.73	/	/	22.80	/	/	<=30	Pass
		Edge 1RB Right	20.34	/	/	22.41	/	/	<=30	Pass
		Outer Full	21.27	/	/	23.34	/	/	<=30	Pass
		Inner Full	21.30	/	/	23.37	/	/	<=30	Pass
		Inner 1RB Left	21.07	/	/	23.14	/	/	<=30	Pass
		Inner 1RB Right	20.77	/	/	22.84	/	/	<=30	Pass
	3840	Edge 1RB Left	22.16	/	/	24.23	/	/	<=30	Pass
		Edge 1RB Right	21.99	/	/	24.06	/	/	<=30	Pass
		Outer Full	22.79	/	/	24.86	/	/	<=30	Pass
		Inner Full	22.85	/	/	24.92	/	/	<=30	Pass
		Inner 1RB Left	22.50	/	/	24.57	/	/	<=30	Pass
		Inner 1RB Right	22.35	/	/	24.42	/	/	<=30	Pass
	3967.5	Edge 1RB Left	19.93	/	/	22.00	/	/	<=30	Pass
		Edge 1RB Right	19.79	/	/	21.86	/	/	<=30	Pass
		Outer Full	20.42	/	/	22.49	/	/	<=30	Pass
		Inner Full	20.44	/	/	22.51	/	/	<=30	Pass

		Inner 1RB Left	20.31	/	/	22.38	/	/	<=30	Pass
		Inner 1RB Right	20.22	/	/	22.29	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3712.5	Edge 1RB Left	20.25	/	/	22.32	/	/	<=30	Pass
		Edge 1RB Right	19.93	/	/	22.00	/	/	<=30	Pass
		Outer Full	20.39	/	/	22.46	/	/	<=30	Pass
		Inner Full	20.37	/	/	22.44	/	/	<=30	Pass
		Inner 1RB Left	20.19	/	/	22.26	/	/	<=30	Pass
		Inner 1RB Right	19.88	/	/	21.95	/	/	<=30	Pass
		Edge 1RB Left	21.69	/	/	23.76	/	/	<=30	Pass
		Edge 1RB Right	21.47	/	/	23.54	/	/	<=30	Pass
	3840	Outer Full	21.96	/	/	24.03	/	/	<=30	Pass
		Inner Full	21.96	/	/	24.03	/	/	<=30	Pass
		Inner 1RB Left	21.65	/	/	23.72	/	/	<=30	Pass
		Inner 1RB Right	21.47	/	/	23.54	/	/	<=30	Pass
		Edge 1RB Left	19.30	/	/	21.37	/	/	<=30	Pass
	3967.5	Edge 1RB Right	19.16	/	/	21.23	/	/	<=30	Pass
		Outer Full	19.54	/	/	21.61	/	/	<=30	Pass
		Inner Full	19.50	/	/	21.57	/	/	<=30	Pass
		Inner 1RB Left	19.28	/	/	21.35	/	/	<=30	Pass
		Inner 1RB Right	19.13	/	/	21.20	/	/	<=30	Pass
		Edge 1RB Left	20.30	/	/	22.37	/	/	<=30	Pass
CP-OFDM QPSK	3712.5	Edge 1RB Right	20.27	/	/	22.34	/	/	<=30	Pass
		Outer Full	20.61	/	/	22.68	/	/	<=30	Pass
		Inner Full	21.24	/	/	23.31	/	/	<=30	Pass
		Inner 1RB Left	21.17	/	/	23.24	/	/	<=30	Pass
		Inner 1RB Right	20.84	/	/	22.91	/	/	<=30	Pass
		Edge 1RB Left	21.79	/	/	23.86	/	/	<=30	Pass
	3840	Edge 1RB Right	21.73	/	/	23.80	/	/	<=30	Pass
		Outer Full	22.12	/	/	24.19	/	/	<=30	Pass
		Inner Full	22.74	/	/	24.81	/	/	<=30	Pass
		Inner 1RB Left	22.61	/	/	24.68	/	/	<=30	Pass
		Inner 1RB Right	22.36	/	/	24.43	/	/	<=30	Pass
	3967.5	Edge 1RB Left	19.66	/	/	21.73	/	/	<=30	Pass
		Edge 1RB Right	19.63	/	/	21.70	/	/	<=30	Pass
		Outer Full	19.77	/	/	21.84	/	/	<=30	Pass
		Inner Full	20.40	/	/	22.47	/	/	<=30	Pass
		Inner 1RB Left	20.51	/	/	22.58	/	/	<=30	Pass
		Inner 1RB Right	20.28	/	/	22.35	/	/	<=30	Pass
CP-OFDM 16 QAM	3712.5	Edge 1RB Left	20.35	/	/	22.42	/	/	<=30	Pass
		Edge 1RB Right	20.13	/	/	22.20	/	/	<=30	Pass
		Outer Full	20.60	/	/	22.67	/	/	<=30	Pass
		Inner Full	21.05	/	/	23.12	/	/	<=30	Pass
		Inner 1RB Left	21.04	/	/	23.11	/	/	<=30	Pass
		Inner 1RB Right	20.63	/	/	22.70	/	/	<=30	Pass
	3840	Edge 1RB Left	21.80	/	/	23.87	/	/	<=30	Pass
		Edge 1RB Right	21.74	/	/	23.81	/	/	<=30	Pass
		Outer Full	22.07	/	/	24.14	/	/	<=30	Pass
		Inner Full	22.61	/	/	24.68	/	/	<=30	Pass
		Inner 1RB Left	22.41	/	/	24.48	/	/	<=30	Pass
	3967.5	Inner 1RB Right	22.20	/	/	24.27	/	/	<=30	Pass
		Edge 1RB Left	19.60	/	/	21.67	/	/	<=30	Pass
		Edge 1RB Right	19.52	/	/	21.59	/	/	<=30	Pass
		Outer Full	19.76	/	/	21.83	/	/	<=30	Pass
		Inner Full	20.23	/	/	22.30	/	/	<=30	Pass
		Inner 1RB Left	20.18	/	/	22.25	/	/	<=30	Pass
CP-OFDM 64 QAM	3712.5	Inner 1RB Right	20.03	/	/	22.10	/	/	<=30	Pass
		Edge 1RB Left	20.32	/	/	22.39	/	/	<=30	Pass
		Edge 1RB Right	20.11	/	/	22.18	/	/	<=30	Pass
		Outer Full	20.38	/	/	22.45	/	/	<=30	Pass

		Inner_Full	20.44	/	/	22.51	/	/	<=30	Pass
		Inner_1RB_Left	20.38	/	/	22.45	/	/	<=30	Pass
		Inner_1RB_Right	20.01	/	/	22.08	/	/	<=30	Pass
		Edge_1RB_Left	21.81	/	/	23.88	/	/	<=30	Pass
		Edge_1RB_Right	21.75	/	/	23.82	/	/	<=30	Pass
		Outer_Full	21.91	/	/	23.98	/	/	<=30	Pass
		Inner_Full	22.00	/	/	24.07	/	/	<=30	Pass
		Inner_1RB_Left	21.82	/	/	23.89	/	/	<=30	Pass
		Inner_1RB_Right	21.67	/	/	23.74	/	/	<=30	Pass
	3840	Edge_1RB_Left	19.58	/	/	21.65	/	/	<=30	Pass
		Edge_1RB_Right	19.55	/	/	21.62	/	/	<=30	Pass
		Outer_Full	19.57	/	/	21.64	/	/	<=30	Pass
		Inner_Full	19.63	/	/	21.70	/	/	<=30	Pass
		Inner_1RB_Left	19.62	/	/	21.69	/	/	<=30	Pass
		Inner_1RB_Right	19.48	/	/	21.55	/	/	<=30	Pass
CP-OFDM 256 QAM	3712.5	Edge_1RB_Left	18.68	/	/	20.75	/	/	<=30	Pass
		Edge_1RB_Right	18.50	/	/	20.57	/	/	<=30	Pass
		Outer_Full	18.77	/	/	20.84	/	/	<=30	Pass
		Inner_Full	18.80	/	/	20.87	/	/	<=30	Pass
		Inner_1RB_Left	18.70	/	/	20.77	/	/	<=30	Pass
		Inner_1RB_Right	18.42	/	/	20.49	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.22	/	/	22.29	/	/	<=30	Pass
		Edge_1RB_Right	20.02	/	/	22.09	/	/	<=30	Pass
		Outer_Full	20.40	/	/	22.47	/	/	<=30	Pass
		Inner_Full	20.48	/	/	22.55	/	/	<=30	Pass
		Inner_1RB_Left	20.21	/	/	22.28	/	/	<=30	Pass
		Inner_1RB_Right	19.92	/	/	21.99	/	/	<=30	Pass
	3967.5	Edge_1RB_Left	18.00	/	/	20.07	/	/	<=30	Pass
		Edge_1RB_Right	17.89	/	/	19.96	/	/	<=30	Pass
		Outer_Full	17.97	/	/	20.04	/	/	<=30	Pass
		Inner_Full	17.99	/	/	20.06	/	/	<=30	Pass
		Inner_1RB_Left	18.09	/	/	20.16	/	/	<=30	Pass
		Inner_1RB_Right	17.95	/	/	20.02	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: 2.07dBi;										
Note2: EIRP=Conducted Power+Antenna Gain										

1.1.12 30k_SISO_30MHz_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 30MHz NTNV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3715.02	Edge 1RB Left	20.87	/	/	22.94	/	/	<=30	Pass
		Edge 1RB Right	20.81	/	/	22.88	/	/	<=30	Pass
		Outer Full	21.99	/	/	24.06	/	/	<=30	Pass
		Inner Full	22.22	/	/	24.29	/	/	<=30	Pass
		Inner 1RB Left	22.16	/	/	24.23	/	/	<=30	Pass
		Inner 1RB Right	21.97	/	/	24.04	/	/	<=30	Pass
	3840	Edge 1RB Left	22.42	/	/	24.49	/	/	<=30	Pass
		Edge 1RB Right	22.21	/	/	24.28	/	/	<=30	Pass
		Outer Full	23.53	/	/	25.60	/	/	<=30	Pass
		Inner Full	23.75	/	/	25.82	/	/	<=30	Pass
		Inner 1RB Left	23.57	/	/	25.64	/	/	<=30	Pass
		Inner 1RB Right	23.40	/	/	25.47	/	/	<=30	Pass
	3964.98	Edge 1RB Left	20.28	/	/	22.35	/	/	<=30	Pass
		Edge 1RB Right	19.97	/	/	22.04	/	/	<=30	Pass
		Outer Full	21.18	/	/	23.25	/	/	<=30	Pass
		Inner Full	21.53	/	/	23.60	/	/	<=30	Pass
		Inner 1RB Left	21.80	/	/	23.87	/	/	<=30	Pass

		Inner 1RB Right	21.20	/	/	23.27	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3715.02	Edge 1RB Left	20.75	/	/	22.82	/	/	<=30	Pass
		Edge 1RB Right	20.35	/	/	22.42	/	/	<=30	Pass
		Outer Full	21.44	/	/	23.51	/	/	<=30	Pass
		Inner Full	21.75	/	/	23.82	/	/	<=30	Pass
		Inner 1RB Left	21.64	/	/	23.71	/	/	<=30	Pass
		Inner 1RB Right	21.30	/	/	23.37	/	/	<=30	Pass
	3840	Edge 1RB Left	22.17	/	/	24.24	/	/	<=30	Pass
		Edge 1RB Right	21.98	/	/	24.05	/	/	<=30	Pass
		Outer Full	22.94	/	/	25.01	/	/	<=30	Pass
		Inner Full	23.34	/	/	25.41	/	/	<=30	Pass
		Inner 1RB Left	23.02	/	/	25.09	/	/	<=30	Pass
		Inner 1RB Right	22.86	/	/	24.93	/	/	<=30	Pass
	3964.98	Edge 1RB Left	20.01	/	/	22.08	/	/	<=30	Pass
		Edge 1RB Right	19.76	/	/	21.83	/	/	<=30	Pass
		Outer Full	20.63	/	/	22.70	/	/	<=30	Pass
		Inner Full	20.95	/	/	23.02	/	/	<=30	Pass
		Inner 1RB Left	20.87	/	/	22.94	/	/	<=30	Pass
		Inner 1RB Right	20.67	/	/	22.74	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3715.02	Edge 1RB Left	20.69	/	/	22.76	/	/	<=30	Pass
		Edge 1RB Right	20.40	/	/	22.47	/	/	<=30	Pass
		Outer Full	21.24	/	/	23.31	/	/	<=30	Pass
		Inner Full	21.26	/	/	23.33	/	/	<=30	Pass
		Inner 1RB Left	21.06	/	/	23.13	/	/	<=30	Pass
		Inner 1RB Right	20.80	/	/	22.87	/	/	<=30	Pass
	3840	Edge 1RB Left	22.17	/	/	24.24	/	/	<=30	Pass
		Edge 1RB Right	21.95	/	/	24.02	/	/	<=30	Pass
		Outer Full	22.79	/	/	24.86	/	/	<=30	Pass
		Inner Full	22.84	/	/	24.91	/	/	<=30	Pass
		Inner 1RB Left	22.53	/	/	24.60	/	/	<=30	Pass
		Inner 1RB Right	22.35	/	/	24.42	/	/	<=30	Pass
	3964.98	Edge 1RB Left	19.99	/	/	22.06	/	/	<=30	Pass
		Edge 1RB Right	19.73	/	/	21.80	/	/	<=30	Pass
		Outer Full	20.41	/	/	22.48	/	/	<=30	Pass
		Inner Full	20.42	/	/	22.49	/	/	<=30	Pass
		Inner 1RB Left	20.36	/	/	22.43	/	/	<=30	Pass
		Inner 1RB Right	20.15	/	/	22.22	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3715.02	Edge 1RB Left	20.20	/	/	22.27	/	/	<=30	Pass
		Edge 1RB Right	19.89	/	/	21.96	/	/	<=30	Pass
		Outer Full	20.35	/	/	22.42	/	/	<=30	Pass
		Inner Full	20.35	/	/	22.42	/	/	<=30	Pass
		Inner 1RB Left	20.12	/	/	22.19	/	/	<=30	Pass
		Inner 1RB Right	19.92	/	/	21.99	/	/	<=30	Pass
	3840	Edge 1RB Left	21.67	/	/	23.74	/	/	<=30	Pass
		Edge 1RB Right	21.45	/	/	23.52	/	/	<=30	Pass
		Outer Full	21.94	/	/	24.01	/	/	<=30	Pass
		Inner Full	22.01	/	/	24.08	/	/	<=30	Pass
		Inner 1RB Left	21.66	/	/	23.73	/	/	<=30	Pass
		Inner 1RB Right	21.43	/	/	23.50	/	/	<=30	Pass
	3964.98	Edge 1RB Left	19.57	/	/	21.64	/	/	<=30	Pass
		Edge 1RB Right	19.24	/	/	21.31	/	/	<=30	Pass
		Outer Full	19.53	/	/	21.60	/	/	<=30	Pass
		Inner Full	19.54	/	/	21.61	/	/	<=30	Pass
		Inner 1RB Left	19.56	/	/	21.63	/	/	<=30	Pass
		Inner 1RB Right	19.30	/	/	21.37	/	/	<=30	Pass
CP-OFDM QPSK	3715.02	Edge 1RB Left	20.25	/	/	22.32	/	/	<=30	Pass
		Edge 1RB Right	20.24	/	/	22.31	/	/	<=30	Pass
		Outer Full	20.57	/	/	22.64	/	/	<=30	Pass
		Inner Full	21.21	/	/	23.28	/	/	<=30	Pass

		Inner 1RB Left	21.08	/	/	23.15	/	/	<=30	Pass
		Inner 1RB Right	21.07	/	/	23.14	/	/	<=30	Pass
	3840	Edge 1RB Left	21.81	/	/	23.88	/	/	<=30	Pass
		Edge 1RB Right	21.70	/	/	23.77	/	/	<=30	Pass
		Outer Full	22.14	/	/	24.21	/	/	<=30	Pass
		Inner Full	22.76	/	/	24.83	/	/	<=30	Pass
		Inner 1RB Left	22.61	/	/	24.68	/	/	<=30	Pass
		Inner 1RB Right	22.58	/	/	24.65	/	/	<=30	Pass
	3964.98	Edge 1RB Left	19.79	/	/	21.86	/	/	<=30	Pass
		Edge 1RB Right	19.58	/	/	21.65	/	/	<=30	Pass
		Outer Full	19.75	/	/	21.82	/	/	<=30	Pass
		Inner Full	20.41	/	/	22.48	/	/	<=30	Pass
		Inner 1RB Left	20.50	/	/	22.57	/	/	<=30	Pass
		Inner 1RB Right	20.34	/	/	22.41	/	/	<=30	Pass
CP-OFDM 16 QAM	3715.02	Edge 1RB Left	20.19	/	/	22.26	/	/	<=30	Pass
		Edge 1RB Right	20.01	/	/	22.08	/	/	<=30	Pass
		Outer Full	20.57	/	/	22.64	/	/	<=30	Pass
		Inner Full	21.02	/	/	23.09	/	/	<=30	Pass
		Inner 1RB Left	20.96	/	/	23.03	/	/	<=30	Pass
		Inner 1RB Right	20.75	/	/	22.82	/	/	<=30	Pass
	3840	Edge 1RB Left	21.67	/	/	23.74	/	/	<=30	Pass
		Edge 1RB Right	21.68	/	/	23.75	/	/	<=30	Pass
		Outer Full	22.08	/	/	24.15	/	/	<=30	Pass
		Inner Full	22.61	/	/	24.68	/	/	<=30	Pass
		Inner 1RB Left	22.45	/	/	24.52	/	/	<=30	Pass
		Inner 1RB Right	22.32	/	/	24.39	/	/	<=30	Pass
	3964.98	Edge 1RB Left	19.64	/	/	21.71	/	/	<=30	Pass
		Edge 1RB Right	19.51	/	/	21.58	/	/	<=30	Pass
		Outer Full	19.75	/	/	21.82	/	/	<=30	Pass
		Inner Full	20.22	/	/	22.29	/	/	<=30	Pass
		Inner 1RB Left	20.26	/	/	22.33	/	/	<=30	Pass
		Inner 1RB Right	20.15	/	/	22.22	/	/	<=30	Pass
CP-OFDM 64 QAM	3715.02	Edge 1RB Left	20.33	/	/	22.40	/	/	<=30	Pass
		Edge 1RB Right	20.09	/	/	22.16	/	/	<=30	Pass
		Outer Full	20.36	/	/	22.43	/	/	<=30	Pass
		Inner Full	20.43	/	/	22.50	/	/	<=30	Pass
		Inner 1RB Left	20.34	/	/	22.41	/	/	<=30	Pass
		Inner 1RB Right	20.17	/	/	22.24	/	/	<=30	Pass
	3840	Edge 1RB Left	21.79	/	/	23.86	/	/	<=30	Pass
		Edge 1RB Right	21.70	/	/	23.77	/	/	<=30	Pass
		Outer Full	21.91	/	/	23.98	/	/	<=30	Pass
		Inner Full	22.03	/	/	24.10	/	/	<=30	Pass
		Inner 1RB Left	21.84	/	/	23.91	/	/	<=30	Pass
		Inner 1RB Right	21.75	/	/	23.82	/	/	<=30	Pass
	3964.98	Edge 1RB Left	19.66	/	/	21.73	/	/	<=30	Pass
		Edge 1RB Right	19.50	/	/	21.57	/	/	<=30	Pass
		Outer Full	19.57	/	/	21.64	/	/	<=30	Pass
		Inner Full	19.63	/	/	21.70	/	/	<=30	Pass
		Inner 1RB Left	19.68	/	/	21.75	/	/	<=30	Pass
		Inner 1RB Right	19.57	/	/	21.64	/	/	<=30	Pass
CP-OFDM 256 QAM	3715.02	Edge 1RB Left	18.62	/	/	20.69	/	/	<=30	Pass
		Edge 1RB Right	18.53	/	/	20.60	/	/	<=30	Pass
		Outer Full	18.74	/	/	20.81	/	/	<=30	Pass
		Inner Full	18.78	/	/	20.85	/	/	<=30	Pass
		Inner 1RB Left	18.76	/	/	20.83	/	/	<=30	Pass
		Inner 1RB Right	18.57	/	/	20.64	/	/	<=30	Pass
	3840	Edge 1RB Left	20.29	/	/	22.36	/	/	<=30	Pass
		Edge 1RB Right	20.21	/	/	22.28	/	/	<=30	Pass
		Outer Full	20.39	/	/	22.46	/	/	<=30	Pass

		Inner_Full	20.49	/	/	22.56	/	/	<=30	Pass
		Inner_1RB_Left	20.31	/	/	22.38	/	/	<=30	Pass
		Inner_1RB_Right	20.27	/	/	22.34	/	/	<=30	Pass
	3964.98	Edge_1RB_Left	18.14	/	/	20.21	/	/	<=30	Pass
		Edge_1RB_Right	17.86	/	/	19.93	/	/	<=30	Pass
		Outer_Full	18.00	/	/	20.07	/	/	<=30	Pass
		Inner_Full	18.02	/	/	20.09	/	/	<=30	Pass
		Inner_1RB_Left	18.17	/	/	20.24	/	/	<=30	Pass
		Inner_1RB_Right	17.93	/	/	20.00	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: 2.07dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.13 30k_SISO_40MHz_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 40MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3720	Edge 1RB Left	20.77	/	/	22.84	/	/	<=30	Pass
		Edge 1RB Right	20.96	/	/	23.03	/	/	<=30	Pass
		Outer Full	21.94	/	/	24.01	/	/	<=30	Pass
		Inner Full	22.17	/	/	24.24	/	/	<=30	Pass
		Inner 1RB Left	22.14	/	/	24.21	/	/	<=30	Pass
		Inner 1RB Right	22.17	/	/	24.24	/	/	<=30	Pass
	3840	Edge 1RB Left	22.34	/	/	24.41	/	/	<=30	Pass
		Edge 1RB Right	22.11	/	/	24.18	/	/	<=30	Pass
		Outer Full	23.49	/	/	25.56	/	/	<=30	Pass
		Inner Full	23.72	/	/	25.79	/	/	<=30	Pass
		Inner 1RB Left	23.55	/	/	25.62	/	/	<=30	Pass
		Inner 1RB Right	23.33	/	/	25.40	/	/	<=30	Pass
	3960	Edge 1RB Left	20.58	/	/	22.65	/	/	<=30	Pass
		Edge 1RB Right	20.00	/	/	22.07	/	/	<=30	Pass
		Outer Full	21.30	/	/	23.37	/	/	<=30	Pass
		Inner Full	21.67	/	/	23.74	/	/	<=30	Pass
		Inner 1RB Left	21.80	/	/	23.87	/	/	<=30	Pass
		Inner 1RB Right	21.29	/	/	23.36	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3720	Edge 1RB Left	20.60	/	/	22.67	/	/	<=30	Pass
		Edge 1RB Right	20.60	/	/	22.67	/	/	<=30	Pass
		Outer Full	21.43	/	/	23.50	/	/	<=30	Pass
		Inner Full	21.67	/	/	23.74	/	/	<=30	Pass
		Inner 1RB Left	21.56	/	/	23.63	/	/	<=30	Pass
		Inner 1RB Right	21.47	/	/	23.54	/	/	<=30	Pass
	3840	Edge 1RB Left	22.10	/	/	24.17	/	/	<=30	Pass
		Edge 1RB Right	21.88	/	/	23.95	/	/	<=30	Pass
		Outer Full	22.92	/	/	24.99	/	/	<=30	Pass
		Inner Full	23.29	/	/	25.36	/	/	<=30	Pass
		Inner 1RB Left	22.94	/	/	25.01	/	/	<=30	Pass
		Inner 1RB Right	22.77	/	/	24.84	/	/	<=30	Pass
	3960	Edge 1RB Left	20.33	/	/	22.40	/	/	<=30	Pass
		Edge 1RB Right	19.76	/	/	21.83	/	/	<=30	Pass
		Outer Full	20.77	/	/	22.84	/	/	<=30	Pass
		Inner Full	21.04	/	/	23.11	/	/	<=30	Pass
		Inner 1RB Left	21.17	/	/	23.24	/	/	<=30	Pass
		Inner 1RB Right	20.72	/	/	22.79	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3720	Edge 1RB Left	20.60	/	/	22.67	/	/	<=30	Pass
		Edge 1RB Right	20.60	/	/	22.67	/	/	<=30	Pass
		Outer Full	21.18	/	/	23.25	/	/	<=30	Pass
		Inner Full	21.18	/	/	23.25	/	/	<=30	Pass
		Inner 1RB Left	21.01	/	/	23.08	/	/	<=30	Pass

		Inner 1RB Right	20.96	/	/	23.03	/	/	<=30	Pass
		Edge 1RB Left	22.07	/	/	24.14	/	/	<=30	Pass
		Edge 1RB Right	21.82	/	/	23.89	/	/	<=30	Pass
		Outer Full	22.71	/	/	24.78	/	/	<=30	Pass
		Inner Full	22.82	/	/	24.89	/	/	<=30	Pass
		Inner 1RB Left	22.45	/	/	24.52	/	/	<=30	Pass
		Inner 1RB Right	22.25	/	/	24.32	/	/	<=30	Pass
		Edge 1RB Left	20.29	/	/	22.36	/	/	<=30	Pass
		Edge 1RB Right	19.77	/	/	21.84	/	/	<=30	Pass
		Outer Full	20.52	/	/	22.59	/	/	<=30	Pass
		Inner Full	20.54	/	/	22.61	/	/	<=30	Pass
		Inner 1RB Left	20.67	/	/	22.74	/	/	<=30	Pass
		Inner 1RB Right	20.17	/	/	22.24	/	/	<=30	Pass
		Edge 1RB Left	20.04	/	/	22.11	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3720	Edge 1RB Right	20.08	/	/	22.15	/	/	<=30	Pass
		Outer Full	20.28	/	/	22.35	/	/	<=30	Pass
		Inner Full	20.28	/	/	22.35	/	/	<=30	Pass
		Inner 1RB Left	20.04	/	/	22.11	/	/	<=30	Pass
		Inner 1RB Right	20.12	/	/	22.19	/	/	<=30	Pass
		Edge 1RB Left	21.60	/	/	23.67	/	/	<=30	Pass
	3840	Edge 1RB Right	21.33	/	/	23.40	/	/	<=30	Pass
		Outer Full	21.87	/	/	23.94	/	/	<=30	Pass
		Inner Full	21.98	/	/	24.05	/	/	<=30	Pass
		Inner 1RB Left	21.61	/	/	23.68	/	/	<=30	Pass
		Inner 1RB Right	21.35	/	/	23.42	/	/	<=30	Pass
		Edge 1RB Left	19.78	/	/	21.85	/	/	<=30	Pass
	3960	Edge 1RB Right	19.23	/	/	21.30	/	/	<=30	Pass
		Outer Full	19.64	/	/	21.71	/	/	<=30	Pass
		Inner Full	19.66	/	/	21.73	/	/	<=30	Pass
		Inner 1RB Left	19.80	/	/	21.87	/	/	<=30	Pass
		Inner 1RB Right	19.27	/	/	21.34	/	/	<=30	Pass
		Edge 1RB Left	20.18	/	/	22.25	/	/	<=30	Pass
CP-OFDM QPSK	3720	Edge 1RB Right	20.44	/	/	22.51	/	/	<=30	Pass
		Outer Full	20.55	/	/	22.62	/	/	<=30	Pass
		Inner Full	21.18	/	/	23.25	/	/	<=30	Pass
		Inner 1RB Left	21.09	/	/	23.16	/	/	<=30	Pass
		Inner 1RB Right	21.25	/	/	23.32	/	/	<=30	Pass
		Edge 1RB Left	21.81	/	/	23.88	/	/	<=30	Pass
	3840	Edge 1RB Right	21.57	/	/	23.64	/	/	<=30	Pass
		Outer Full	22.08	/	/	24.15	/	/	<=30	Pass
		Inner Full	22.72	/	/	24.79	/	/	<=30	Pass
		Inner 1RB Left	22.62	/	/	24.69	/	/	<=30	Pass
		Inner 1RB Right	22.42	/	/	24.49	/	/	<=30	Pass
		Edge 1RB Left	20.01	/	/	22.08	/	/	<=30	Pass
	3960	Edge 1RB Right	19.52	/	/	21.59	/	/	<=30	Pass
		Outer Full	19.88	/	/	21.95	/	/	<=30	Pass
		Inner Full	20.49	/	/	22.56	/	/	<=30	Pass
		Inner 1RB Left	20.87	/	/	22.94	/	/	<=30	Pass
		Inner 1RB Right	20.36	/	/	22.43	/	/	<=30	Pass
		Edge 1RB Left	20.20	/	/	22.27	/	/	<=30	Pass
CP-OFDM 16 QAM	3720	Edge 1RB Right	20.25	/	/	22.32	/	/	<=30	Pass
		Outer Full	20.58	/	/	22.65	/	/	<=30	Pass
		Inner Full	20.96	/	/	23.03	/	/	<=30	Pass
		Inner 1RB Left	20.86	/	/	22.93	/	/	<=30	Pass
		Inner 1RB Right	20.84	/	/	22.91	/	/	<=30	Pass
		Edge 1RB Left	21.66	/	/	23.73	/	/	<=30	Pass
	3840	Edge 1RB Right	21.48	/	/	23.55	/	/	<=30	Pass
		Outer Full	22.04	/	/	24.11	/	/	<=30	Pass
		Inner Full	22.62	/	/	24.69	/	/	<=30	Pass

		Inner 1RB Left	22.31	/	/	24.38	/	/	<=30	Pass		
		Inner 1RB Right	22.17	/	/	24.24	/	/	<=30	Pass		
	3960	Edge 1RB Left	19.89	/	/	21.96	/	/	<=30	Pass		
		Edge_1RB_Right	19.43	/	/	21.50	/	/	<=30	Pass		
		Outer_Full	19.88	/	/	21.95	/	/	<=30	Pass		
		Inner_Full	20.31	/	/	22.38	/	/	<=30	Pass		
		Inner 1RB Left	21.72	/	/	23.79	/	/	<=30	Pass		
		Inner 1RB Right	20.59	/	/	22.66	/	/	<=30	Pass		
CP-OFDM 64 QAM	3720	Edge 1RB Left	20.21	/	/	22.28	/	/	<=30	Pass		
		Edge 1RB Right	20.27	/	/	22.34	/	/	<=30	Pass		
		Outer_Full	20.32	/	/	22.39	/	/	<=30	Pass		
		Inner_Full	20.35	/	/	22.42	/	/	<=30	Pass		
		Inner 1RB Left	20.24	/	/	22.31	/	/	<=30	Pass		
		Inner 1RB Right	20.29	/	/	22.36	/	/	<=30	Pass		
	3840	Edge 1RB Left	21.68	/	/	23.75	/	/	<=30	Pass		
		Edge 1RB Right	21.50	/	/	23.57	/	/	<=30	Pass		
		Outer_Full	21.87	/	/	23.94	/	/	<=30	Pass		
		Inner_Full	22.02	/	/	24.09	/	/	<=30	Pass		
		Inner 1RB Left	21.74	/	/	23.81	/	/	<=30	Pass		
		Inner 1RB Right	21.59	/	/	23.66	/	/	<=30	Pass		
	3960	Edge 1RB Left	19.93	/	/	22.00	/	/	<=30	Pass		
		Edge 1RB Right	19.48	/	/	21.55	/	/	<=30	Pass		
		Outer_Full	19.68	/	/	21.75	/	/	<=30	Pass		
		Inner_Full	19.71	/	/	21.78	/	/	<=30	Pass		
		Inner 1RB Left	19.94	/	/	22.01	/	/	<=30	Pass		
		Inner 1RB Right	19.51	/	/	21.58	/	/	<=30	Pass		
		CP-OFDM 256 QAM	3720	Edge 1RB Left	18.56	/	/	20.63	/	/	<=30	Pass
				Edge 1RB Right	18.66	/	/	20.73	/	/	<=30	Pass
Outer_Full	18.70			/	/	20.77	/	/	<=30	Pass		
Inner_Full	18.72			/	/	20.79	/	/	<=30	Pass		
Inner 1RB Left	18.56			/	/	20.63	/	/	<=30	Pass		
Inner 1RB Right	18.81			/	/	20.88	/	/	<=30	Pass		
3840	Edge 1RB Left		20.30	/	/	22.37	/	/	<=30	Pass		
	Edge 1RB Right		19.96	/	/	22.03	/	/	<=30	Pass		
	Outer_Full		20.34	/	/	22.41	/	/	<=30	Pass		
	Inner_Full		20.49	/	/	22.56	/	/	<=30	Pass		
	Inner 1RB Left		20.24	/	/	22.31	/	/	<=30	Pass		
	Inner 1RB Right		19.99	/	/	22.06	/	/	<=30	Pass		
3960	Edge 1RB Left		18.43	/	/	20.50	/	/	<=30	Pass		
	Edge 1RB Right		17.87	/	/	19.94	/	/	<=30	Pass		
	Outer_Full	18.08	/	/	20.15	/	/	<=30	Pass			
	Inner_Full	18.10	/	/	20.17	/	/	<=30	Pass			
	Inner 1RB Left	18.40	/	/	20.47	/	/	<=30	Pass			
	Inner 1RB Right	17.94	/	/	20.01	/	/	<=30	Pass			
Note1: Antenna Gain: Ant1: 2.07dBi; Note2: EIRP=Conducted Power+Antenna Gain												

1.1.14 30k_SISO_50MHz_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 50MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3725.01	Edge 1RB Left	20.66	/	/	22.73	/	/	<=30	Pass
		Edge 1RB Right	21.28	/	/	23.35	/	/	<=30	Pass
		Outer Full	21.84	/	/	23.91	/	/	<=30	Pass
		Inner Full	22.17	/	/	24.24	/	/	<=30	Pass
		Inner 1RB Left	22.07	/	/	24.14	/	/	<=30	Pass
		Inner 1RB Right	22.50	/	/	24.57	/	/	<=30	Pass

	3840	Edge_1RB_Left	22.26	/	/	24.33	/	/	<=30	Pass
		Edge_1RB_Right	21.98	/	/	24.05	/	/	<=30	Pass
		Outer_Full	23.33	/	/	25.40	/	/	<=30	Pass
		Inner_Full	23.71	/	/	25.78	/	/	<=30	Pass
		Inner_1RB_Left	23.57	/	/	25.64	/	/	<=30	Pass
		Inner_1RB_Right	23.31	/	/	25.38	/	/	<=30	Pass
	3954.99	Edge_1RB_Left	20.76	/	/	22.83	/	/	<=30	Pass
		Edge_1RB_Right	19.81	/	/	21.88	/	/	<=30	Pass
		Outer_Full	21.20	/	/	23.27	/	/	<=30	Pass
		Inner_Full	21.78	/	/	23.85	/	/	<=30	Pass
		Inner_1RB_Left	22.30	/	/	24.37	/	/	<=30	Pass
		Inner_1RB_Right	21.12	/	/	23.19	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3725.01	Edge_1RB_Left	20.49	/	/	22.56	/	/	<=30	Pass
		Edge_1RB_Right	21.02	/	/	23.09	/	/	<=30	Pass
		Outer_Full	21.33	/	/	23.40	/	/	<=30	Pass
		Inner_Full	21.64	/	/	23.71	/	/	<=30	Pass
		Inner_1RB_Left	21.46	/	/	23.53	/	/	<=30	Pass
		Inner_1RB_Right	21.84	/	/	23.91	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.02	/	/	24.09	/	/	<=30	Pass
		Edge_1RB_Right	21.76	/	/	23.83	/	/	<=30	Pass
		Outer_Full	22.77	/	/	24.84	/	/	<=30	Pass
		Inner_Full	23.32	/	/	25.39	/	/	<=30	Pass
		Inner_1RB_Left	22.86	/	/	24.93	/	/	<=30	Pass
		Inner_1RB_Right	22.65	/	/	24.72	/	/	<=30	Pass
	3954.99	Edge_1RB_Left	20.47	/	/	22.54	/	/	<=30	Pass
		Edge_1RB_Right	19.57	/	/	21.64	/	/	<=30	Pass
		Outer_Full	20.68	/	/	22.75	/	/	<=30	Pass
		Inner_Full	21.09	/	/	23.16	/	/	<=30	Pass
		Inner_1RB_Left	21.41	/	/	23.48	/	/	<=30	Pass
		Inner_1RB_Right	20.55	/	/	22.62	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3725.01	Edge_1RB_Left	20.45	/	/	22.52	/	/	<=30	Pass
		Edge_1RB_Right	21.03	/	/	23.10	/	/	<=30	Pass
		Outer_Full	21.06	/	/	23.13	/	/	<=30	Pass
		Inner_Full	21.11	/	/	23.18	/	/	<=30	Pass
		Inner_1RB_Left	20.88	/	/	22.95	/	/	<=30	Pass
		Inner_1RB_Right	21.34	/	/	23.41	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.99	/	/	24.06	/	/	<=30	Pass
		Edge_1RB_Right	21.75	/	/	23.82	/	/	<=30	Pass
		Outer_Full	22.58	/	/	24.65	/	/	<=30	Pass
		Inner_Full	22.81	/	/	24.88	/	/	<=30	Pass
		Inner_1RB_Left	22.40	/	/	24.47	/	/	<=30	Pass
		Inner_1RB_Right	22.14	/	/	24.21	/	/	<=30	Pass
	3954.99	Edge_1RB_Left	20.42	/	/	22.49	/	/	<=30	Pass
		Edge_1RB_Right	19.55	/	/	21.62	/	/	<=30	Pass
		Outer_Full	20.44	/	/	22.51	/	/	<=30	Pass
		Inner_Full	20.55	/	/	22.62	/	/	<=30	Pass
		Inner_1RB_Left	20.83	/	/	22.90	/	/	<=30	Pass
		Inner_1RB_Right	19.98	/	/	22.05	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3725.01	Edge_1RB_Left	19.97	/	/	22.04	/	/	<=30	Pass
		Edge_1RB_Right	20.51	/	/	22.58	/	/	<=30	Pass
		Outer_Full	20.17	/	/	22.24	/	/	<=30	Pass
		Inner_Full	20.23	/	/	22.30	/	/	<=30	Pass
		Inner_1RB_Left	19.91	/	/	21.98	/	/	<=30	Pass
		Inner_1RB_Right	20.51	/	/	22.58	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.55	/	/	23.62	/	/	<=30	Pass
		Edge_1RB_Right	21.29	/	/	23.36	/	/	<=30	Pass
		Outer_Full	21.74	/	/	23.81	/	/	<=30	Pass
		Inner_Full	21.97	/	/	24.04	/	/	<=30	Pass
		Inner_1RB_Left	21.53	/	/	23.60	/	/	<=30	Pass

	3954.99	Inner 1RB Right	21.29	/	/	23.36	/	/	<=30	Pass
		Edge 1RB Left	19.91	/	/	21.98	/	/	<=30	Pass
		Edge 1RB Right	19.08	/	/	21.15	/	/	<=30	Pass
		Outer Full	19.58	/	/	21.65	/	/	<=30	Pass
		Inner Full	19.69	/	/	21.76	/	/	<=30	Pass
		Inner 1RB Left	20.08	/	/	22.15	/	/	<=30	Pass
		Inner 1RB Right	19.07	/	/	21.14	/	/	<=30	Pass
CP-OFDM QPSK	3725.01	Edge 1RB Left	20.08	/	/	22.15	/	/	<=30	Pass
		Edge 1RB Right	20.76	/	/	22.83	/	/	<=30	Pass
		Outer Full	20.57	/	/	22.64	/	/	<=30	Pass
		Inner Full	21.14	/	/	23.21	/	/	<=30	Pass
		Inner 1RB Left	20.99	/	/	23.06	/	/	<=30	Pass
		Inner 1RB Right	21.61	/	/	23.68	/	/	<=30	Pass
	3840	Edge 1RB Left	21.70	/	/	23.77	/	/	<=30	Pass
		Edge 1RB Right	21.47	/	/	23.54	/	/	<=30	Pass
		Outer Full	22.04	/	/	24.11	/	/	<=30	Pass
		Inner Full	22.69	/	/	24.76	/	/	<=30	Pass
		Inner 1RB Left	22.53	/	/	24.60	/	/	<=30	Pass
		Inner 1RB Right	22.32	/	/	24.39	/	/	<=30	Pass
	3954.99	Edge 1RB Left	20.24	/	/	22.31	/	/	<=30	Pass
		Edge 1RB Right	19.32	/	/	21.39	/	/	<=30	Pass
		Outer Full	19.90	/	/	21.97	/	/	<=30	Pass
		Inner Full	20.51	/	/	22.58	/	/	<=30	Pass
		Inner 1RB Left	21.04	/	/	23.11	/	/	<=30	Pass
CP-OFDM 16 QAM	3725.01	Inner 1RB Right	20.23	/	/	22.30	/	/	<=30	Pass
		Edge 1RB Left	20.00	/	/	22.07	/	/	<=30	Pass
		Edge 1RB Right	20.67	/	/	22.74	/	/	<=30	Pass
		Outer Full	20.62	/	/	22.69	/	/	<=30	Pass
		Inner Full	20.89	/	/	22.96	/	/	<=30	Pass
		Inner 1RB Left	20.79	/	/	22.86	/	/	<=30	Pass
	3840	Inner 1RB Right	21.29	/	/	23.36	/	/	<=30	Pass
		Edge 1RB Left	21.55	/	/	23.62	/	/	<=30	Pass
		Edge 1RB Right	21.37	/	/	23.44	/	/	<=30	Pass
		Outer Full	22.00	/	/	24.07	/	/	<=30	Pass
		Inner Full	22.54	/	/	24.61	/	/	<=30	Pass
		Inner 1RB Left	22.22	/	/	24.29	/	/	<=30	Pass
	3954.99	Inner 1RB Right	22.04	/	/	24.11	/	/	<=30	Pass
		Edge 1RB Left	20.13	/	/	22.20	/	/	<=30	Pass
		Edge 1RB Right	19.23	/	/	21.30	/	/	<=30	Pass
		Outer Full	19.92	/	/	21.99	/	/	<=30	Pass
		Inner Full	20.33	/	/	22.40	/	/	<=30	Pass
		Inner 1RB Left	20.78	/	/	22.85	/	/	<=30	Pass
CP-OFDM 64 QAM	3725.01	Inner 1RB Right	19.98	/	/	22.05	/	/	<=30	Pass
		Edge 1RB Left	20.13	/	/	22.20	/	/	<=30	Pass
		Edge 1RB Right	20.67	/	/	22.74	/	/	<=30	Pass
		Outer Full	20.36	/	/	22.43	/	/	<=30	Pass
		Inner Full	20.28	/	/	22.35	/	/	<=30	Pass
		Inner 1RB Left	20.16	/	/	22.23	/	/	<=30	Pass
	3840	Inner 1RB Right	20.72	/	/	22.79	/	/	<=30	Pass
		Edge 1RB Left	21.59	/	/	23.66	/	/	<=30	Pass
		Edge 1RB Right	21.32	/	/	23.39	/	/	<=30	Pass
		Outer Full	21.79	/	/	23.86	/	/	<=30	Pass
		Inner Full	21.91	/	/	23.98	/	/	<=30	Pass
		Inner 1RB Left	21.62	/	/	23.69	/	/	<=30	Pass
	3954.99	Inner 1RB Right	21.44	/	/	23.51	/	/	<=30	Pass
		Edge 1RB Left	20.19	/	/	22.26	/	/	<=30	Pass
		Edge 1RB Right	19.31	/	/	21.38	/	/	<=30	Pass
		Outer Full	19.71	/	/	21.78	/	/	<=30	Pass
		Inner Full	19.75	/	/	21.82	/	/	<=30	Pass

		Inner_1RB_Left	20.21	/	/	22.28	/	/	<=30	Pass
		Inner_1RB_Right	19.41	/	/	21.48	/	/	<=30	Pass
CP-OFDM 256 QAM	3725.01	Edge_1RB_Left	18.43	/	/	20.50	/	/	<=30	Pass
		Edge_1RB_Right	19.20	/	/	21.27	/	/	<=30	Pass
		Outer_Full	18.73	/	/	20.80	/	/	<=30	Pass
		Inner_Full	18.66	/	/	20.73	/	/	<=30	Pass
		Inner_1RB_Left	18.40	/	/	20.47	/	/	<=30	Pass
		Inner_1RB_Right	19.25	/	/	21.32	/	/	<=30	Pass
	3840	Edge_1RB_Left	19.96	/	/	22.03	/	/	<=30	Pass
		Edge_1RB_Right	19.66	/	/	21.73	/	/	<=30	Pass
		Outer_Full	20.23	/	/	22.30	/	/	<=30	Pass
		Inner_Full	20.37	/	/	22.44	/	/	<=30	Pass
		Inner_1RB_Left	20.01	/	/	22.08	/	/	<=30	Pass
		Inner_1RB_Right	19.72	/	/	21.79	/	/	<=30	Pass
	3954.99	Edge_1RB_Left	18.67	/	/	20.74	/	/	<=30	Pass
		Edge_1RB_Right	17.65	/	/	19.72	/	/	<=30	Pass
		Outer_Full	18.14	/	/	20.21	/	/	<=30	Pass
		Inner_Full	18.17	/	/	20.24	/	/	<=30	Pass
		Inner_1RB_Left	18.69	/	/	20.76	/	/	<=30	Pass
		Inner_1RB_Right	17.74	/	/	19.81	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: 2.07dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.15 30k_SISO_60MHz_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 60MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3730.02	Edge 1RB Left	20.61	/	/	22.68	/	/	<=30	Pass
		Edge 1RB Right	21.59	/	/	23.66	/	/	<=30	Pass
		Outer Full	22.06	/	/	24.13	/	/	<=30	Pass
		Inner Full	22.24	/	/	24.31	/	/	<=30	Pass
		Inner 1RB Left	22.04	/	/	24.11	/	/	<=30	Pass
		Inner 1RB Right	23.01	/	/	25.08	/	/	<=30	Pass
	3840	Edge 1RB Left	22.13	/	/	24.20	/	/	<=30	Pass
		Edge 1RB Right	21.84	/	/	23.91	/	/	<=30	Pass
		Outer Full	23.37	/	/	25.44	/	/	<=30	Pass
		Inner Full	23.67	/	/	25.74	/	/	<=30	Pass
		Inner 1RB Left	23.43	/	/	25.50	/	/	<=30	Pass
		Inner 1RB Right	23.18	/	/	25.25	/	/	<=30	Pass
	3949.98	Edge 1RB Left	21.04	/	/	23.11	/	/	<=30	Pass
		Edge 1RB Right	19.74	/	/	21.81	/	/	<=30	Pass
		Outer Full	21.44	/	/	23.51	/	/	<=30	Pass
		Inner Full	21.93	/	/	24.00	/	/	<=30	Pass
		Inner 1RB Left	22.53	/	/	24.60	/	/	<=30	Pass
		Inner 1RB Right	21.09	/	/	23.16	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3730.02	Edge 1RB Left	20.44	/	/	22.51	/	/	<=30	Pass
		Edge 1RB Right	21.37	/	/	23.44	/	/	<=30	Pass
		Outer Full	21.53	/	/	23.60	/	/	<=30	Pass
		Inner Full	21.70	/	/	23.77	/	/	<=30	Pass
		Inner 1RB Left	21.49	/	/	23.56	/	/	<=30	Pass
		Inner 1RB Right	22.30	/	/	24.37	/	/	<=30	Pass
	3840	Edge 1RB Left	21.91	/	/	23.98	/	/	<=30	Pass
		Edge 1RB Right	21.55	/	/	23.62	/	/	<=30	Pass
		Outer Full	22.78	/	/	24.85	/	/	<=30	Pass
		Inner Full	23.26	/	/	25.33	/	/	<=30	Pass
		Inner 1RB Left	22.78	/	/	24.85	/	/	<=30	Pass
		Inner 1RB Right	22.54	/	/	24.61	/	/	<=30	Pass

	3949.98	Edge 1RB Left	20.82	/	/	22.89	/	/	<=30	Pass
		Edge 1RB Right	19.55	/	/	21.62	/	/	<=30	Pass
		Outer Full	20.89	/	/	22.96	/	/	<=30	Pass
		Inner Full	21.22	/	/	23.29	/	/	<=30	Pass
		Inner 1RB Left	21.74	/	/	23.81	/	/	<=30	Pass
		Inner 1RB Right	20.55	/	/	22.62	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3730.02	Edge 1RB Left	20.49	/	/	22.56	/	/	<=30	Pass
		Edge 1RB Right	21.39	/	/	23.46	/	/	<=30	Pass
		Outer Full	21.31	/	/	23.38	/	/	<=30	Pass
		Inner Full	21.21	/	/	23.28	/	/	<=30	Pass
		Inner 1RB Left	20.88	/	/	22.95	/	/	<=30	Pass
		Inner 1RB Right	21.75	/	/	23.82	/	/	<=30	Pass
	3840	Edge 1RB Left	21.88	/	/	23.95	/	/	<=30	Pass
		Edge 1RB Right	21.53	/	/	23.60	/	/	<=30	Pass
		Outer Full	22.60	/	/	24.67	/	/	<=30	Pass
		Inner Full	22.77	/	/	24.84	/	/	<=30	Pass
		Inner 1RB Left	22.26	/	/	24.33	/	/	<=30	Pass
		Inner 1RB Right	22.00	/	/	24.07	/	/	<=30	Pass
	3949.98	Edge 1RB Left	20.80	/	/	22.87	/	/	<=30	Pass
		Edge 1RB Right	19.54	/	/	21.61	/	/	<=30	Pass
		Outer Full	20.66	/	/	22.73	/	/	<=30	Pass
		Inner Full	20.69	/	/	22.76	/	/	<=30	Pass
		Inner 1RB Left	21.16	/	/	23.23	/	/	<=30	Pass
		Inner 1RB Right	19.94	/	/	22.01	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3730.02	Edge 1RB Left	19.78	/	/	21.85	/	/	<=30	Pass
		Edge 1RB Right	20.81	/	/	22.88	/	/	<=30	Pass
		Outer Full	20.42	/	/	22.49	/	/	<=30	Pass
		Inner Full	20.29	/	/	22.36	/	/	<=30	Pass
		Inner 1RB Left	19.77	/	/	21.84	/	/	<=30	Pass
		Inner 1RB Right	20.71	/	/	22.78	/	/	<=30	Pass
	3840	Edge 1RB Left	21.44	/	/	23.51	/	/	<=30	Pass
		Edge 1RB Right	21.06	/	/	23.13	/	/	<=30	Pass
		Outer Full	21.76	/	/	23.83	/	/	<=30	Pass
		Inner Full	21.91	/	/	23.98	/	/	<=30	Pass
		Inner 1RB Left	21.43	/	/	23.50	/	/	<=30	Pass
		Inner 1RB Right	21.08	/	/	23.15	/	/	<=30	Pass
	3949.98	Edge 1RB Left	20.31	/	/	22.38	/	/	<=30	Pass
		Edge 1RB Right	19.01	/	/	21.08	/	/	<=30	Pass
		Outer Full	19.79	/	/	21.86	/	/	<=30	Pass
		Inner Full	19.79	/	/	21.86	/	/	<=30	Pass
		Inner 1RB Left	20.18	/	/	22.25	/	/	<=30	Pass
		Inner 1RB Right	18.84	/	/	20.91	/	/	<=30	Pass
CP-OFDM QPSK	3730.02	Edge 1RB Left	20.02	/	/	22.09	/	/	<=30	Pass
		Edge 1RB Right	21.08	/	/	23.15	/	/	<=30	Pass
		Outer Full	20.67	/	/	22.74	/	/	<=30	Pass
		Inner Full	21.22	/	/	23.29	/	/	<=30	Pass
		Inner 1RB Left	20.96	/	/	23.03	/	/	<=30	Pass
		Inner 1RB Right	21.92	/	/	23.99	/	/	<=30	Pass
	3840	Edge 1RB Left	21.58	/	/	23.65	/	/	<=30	Pass
		Edge 1RB Right	21.33	/	/	23.40	/	/	<=30	Pass
		Outer Full	21.97	/	/	24.04	/	/	<=30	Pass
		Inner Full	22.69	/	/	24.76	/	/	<=30	Pass
		Inner 1RB Left	22.49	/	/	24.56	/	/	<=30	Pass
		Inner 1RB Right	22.26	/	/	24.33	/	/	<=30	Pass
	3949.98	Edge 1RB Left	20.41	/	/	22.48	/	/	<=30	Pass
		Edge 1RB Right	19.26	/	/	21.33	/	/	<=30	Pass
		Outer Full	20.02	/	/	22.09	/	/	<=30	Pass
		Inner Full	20.66	/	/	22.73	/	/	<=30	Pass
		Inner 1RB Left	21.33	/	/	23.40	/	/	<=30	Pass

CP-OFDM 16 QAM	3730.02	Inner 1RB Right	20.19	/	/	22.26	/	/	<=30	Pass
		Edge 1RB Left	19.95	/	/	22.02	/	/	<=30	Pass
		Edge 1RB Right	20.99	/	/	23.06	/	/	<=30	Pass
		Outer Full	20.68	/	/	22.75	/	/	<=30	Pass
		Inner Full	20.95	/	/	23.02	/	/	<=30	Pass
		Inner 1RB Left	20.76	/	/	22.83	/	/	<=30	Pass
	3840	Inner 1RB Right	21.71	/	/	23.78	/	/	<=30	Pass
		Edge 1RB Left	21.45	/	/	23.52	/	/	<=30	Pass
		Edge 1RB Right	21.29	/	/	23.36	/	/	<=30	Pass
		Outer Full	21.95	/	/	24.02	/	/	<=30	Pass
		Inner Full	22.55	/	/	24.62	/	/	<=30	Pass
		Inner 1RB Left	22.18	/	/	24.25	/	/	<=30	Pass
	3949.98	Inner 1RB Right	21.99	/	/	24.06	/	/	<=30	Pass
		Edge 1RB Left	20.41	/	/	22.48	/	/	<=30	Pass
		Edge 1RB Right	19.22	/	/	21.29	/	/	<=30	Pass
		Outer Full	20.02	/	/	22.09	/	/	<=30	Pass
		Inner Full	20.45	/	/	22.52	/	/	<=30	Pass
		Inner 1RB Left	21.10	/	/	23.17	/	/	<=30	Pass
CP-OFDM 64 QAM	3730.02	Inner 1RB Right	19.97	/	/	22.04	/	/	<=30	Pass
		Edge 1RB Left	20.08	/	/	22.15	/	/	<=30	Pass
		Edge 1RB Right	21.09	/	/	23.16	/	/	<=30	Pass
		Outer Full	20.44	/	/	22.51	/	/	<=30	Pass
		Inner Full	20.34	/	/	22.41	/	/	<=30	Pass
		Inner 1RB Left	20.09	/	/	22.16	/	/	<=30	Pass
	3840	Inner 1RB Right	21.15	/	/	23.22	/	/	<=30	Pass
		Edge 1RB Left	21.49	/	/	23.56	/	/	<=30	Pass
		Edge 1RB Right	21.26	/	/	23.33	/	/	<=30	Pass
		Outer Full	21.77	/	/	23.84	/	/	<=30	Pass
		Inner Full	21.93	/	/	24.00	/	/	<=30	Pass
		Inner 1RB Left	21.55	/	/	23.62	/	/	<=30	Pass
	3949.98	Inner 1RB Right	21.36	/	/	23.43	/	/	<=30	Pass
		Edge 1RB Left	20.43	/	/	22.50	/	/	<=30	Pass
		Edge 1RB Right	19.24	/	/	21.31	/	/	<=30	Pass
		Outer Full	19.84	/	/	21.91	/	/	<=30	Pass
		Inner Full	19.86	/	/	21.93	/	/	<=30	Pass
		Inner 1RB Left	20.47	/	/	22.54	/	/	<=30	Pass
CP-OFDM 256 QAM	3730.02	Inner 1RB Right	19.34	/	/	21.41	/	/	<=30	Pass
		Edge 1RB Left	18.31	/	/	20.38	/	/	<=30	Pass
		Edge 1RB Right	19.34	/	/	21.41	/	/	<=30	Pass
		Outer Full	18.84	/	/	20.91	/	/	<=30	Pass
		Inner Full	18.72	/	/	20.79	/	/	<=30	Pass
		Inner 1RB Left	18.25	/	/	20.32	/	/	<=30	Pass
	3840	Inner 1RB Right	19.38	/	/	21.45	/	/	<=30	Pass
		Edge 1RB Left	20.05	/	/	22.12	/	/	<=30	Pass
		Edge 1RB Right	19.69	/	/	21.76	/	/	<=30	Pass
		Outer Full	20.24	/	/	22.31	/	/	<=30	Pass
		Inner Full	20.40	/	/	22.47	/	/	<=30	Pass
		Inner 1RB Left	20.04	/	/	22.11	/	/	<=30	Pass
	3949.98	Inner 1RB Right	19.74	/	/	21.81	/	/	<=30	Pass
		Edge 1RB Left	18.87	/	/	20.94	/	/	<=30	Pass
		Edge 1RB Right	17.60	/	/	19.67	/	/	<=30	Pass
		Outer Full	18.26	/	/	20.33	/	/	<=30	Pass
		Inner Full	18.28	/	/	20.35	/	/	<=30	Pass
		Inner 1RB Left	18.97	/	/	21.04	/	/	<=30	Pass
	Inner 1RB Right	17.70	/	/	19.77	/	/	<=30	Pass	
Note1: Antenna Gain: Ant1: 2.07dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.16 30k_SISO_70MHz_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 70MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3735	Edge_1RB_Left	20.98	/	/	23.05	/	/	<=30	Pass
		Edge_1RB_Right	21.99	/	/	24.06	/	/	<=30	Pass
		Outer_Full	22.21	/	/	24.28	/	/	<=30	Pass
		Inner_Full	22.34	/	/	24.41	/	/	<=30	Pass
		Inner_1RB_Left	22.23	/	/	24.30	/	/	<=30	Pass
		Inner_1RB_Right	23.21	/	/	25.28	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.28	/	/	24.35	/	/	<=30	Pass
		Edge_1RB_Right	21.96	/	/	24.03	/	/	<=30	Pass
		Outer_Full	23.36	/	/	25.43	/	/	<=30	Pass
		Inner_Full	23.66	/	/	25.73	/	/	<=30	Pass
		Inner_1RB_Left	23.96	/	/	26.03	/	/	<=30	Pass
		Inner_1RB_Right	23.47	/	/	25.54	/	/	<=30	Pass
	3945	Edge_1RB_Left	21.53	/	/	23.60	/	/	<=30	Pass
		Edge_1RB_Right	20.06	/	/	22.13	/	/	<=30	Pass
		Outer_Full	21.71	/	/	23.78	/	/	<=30	Pass
		Inner_Full	22.08	/	/	24.15	/	/	<=30	Pass
		Inner_1RB_Left	22.74	/	/	24.81	/	/	<=30	Pass
		Inner_1RB_Right	21.38	/	/	23.45	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3735	Edge_1RB_Left	20.83	/	/	22.90	/	/	<=30	Pass
		Edge_1RB_Right	21.81	/	/	23.88	/	/	<=30	Pass
		Outer_Full	21.68	/	/	23.75	/	/	<=30	Pass
		Inner_Full	21.83	/	/	23.90	/	/	<=30	Pass
		Inner_1RB_Left	21.76	/	/	23.83	/	/	<=30	Pass
		Inner_1RB_Right	22.68	/	/	24.75	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.03	/	/	24.10	/	/	<=30	Pass
		Edge_1RB_Right	21.69	/	/	23.76	/	/	<=30	Pass
		Outer_Full	22.79	/	/	24.86	/	/	<=30	Pass
		Inner_Full	23.25	/	/	25.32	/	/	<=30	Pass
		Inner_1RB_Left	22.85	/	/	24.92	/	/	<=30	Pass
		Inner_1RB_Right	22.58	/	/	24.65	/	/	<=30	Pass
	3945	Edge_1RB_Left	21.33	/	/	23.40	/	/	<=30	Pass
		Edge_1RB_Right	19.87	/	/	21.94	/	/	<=30	Pass
		Outer_Full	21.16	/	/	23.23	/	/	<=30	Pass
		Inner_Full	21.46	/	/	23.53	/	/	<=30	Pass
		Inner_1RB_Left	22.19	/	/	24.26	/	/	<=30	Pass
		Inner_1RB_Right	20.74	/	/	22.81	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3735	Edge_1RB_Left	20.81	/	/	22.88	/	/	<=30	Pass
		Edge_1RB_Right	21.82	/	/	23.89	/	/	<=30	Pass
		Outer_Full	21.49	/	/	23.56	/	/	<=30	Pass
		Inner_Full	21.34	/	/	23.41	/	/	<=30	Pass
		Inner_1RB_Left	21.17	/	/	23.24	/	/	<=30	Pass
		Inner_1RB_Right	22.15	/	/	24.22	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.01	/	/	24.08	/	/	<=30	Pass
		Edge_1RB_Right	21.66	/	/	23.73	/	/	<=30	Pass
		Outer_Full	22.61	/	/	24.68	/	/	<=30	Pass
		Inner_Full	22.76	/	/	24.83	/	/	<=30	Pass
		Inner_1RB_Left	22.34	/	/	24.41	/	/	<=30	Pass
		Inner_1RB_Right	22.06	/	/	24.13	/	/	<=30	Pass
	3945	Edge_1RB_Left	21.30	/	/	23.37	/	/	<=30	Pass
		Edge_1RB_Right	19.81	/	/	21.88	/	/	<=30	Pass
		Outer_Full	20.98	/	/	23.05	/	/	<=30	Pass
		Inner_Full	20.95	/	/	23.02	/	/	<=30	Pass
		Inner_1RB_Left	21.66	/	/	23.73	/	/	<=30	Pass
		Inner_1RB_Right	20.21	/	/	22.28	/	/	<=30	Pass

DFT-s-OFDM 256 QAM	3735	Edge 1RB Left	20.34	/	/	22.41	/	/	<=30	Pass
		Edge 1RB Right	21.33	/	/	23.40	/	/	<=30	Pass
		Outer Full	20.66	/	/	22.73	/	/	<=30	Pass
		Inner Full	20.48	/	/	22.55	/	/	<=30	Pass
		Inner 1RB Left	20.35	/	/	22.42	/	/	<=30	Pass
		Inner 1RB Right	21.34	/	/	23.41	/	/	<=30	Pass
	3840	Edge 1RB Left	21.50	/	/	23.57	/	/	<=30	Pass
		Edge 1RB Right	21.07	/	/	23.14	/	/	<=30	Pass
		Outer Full	21.73	/	/	23.80	/	/	<=30	Pass
		Inner Full	21.88	/	/	23.95	/	/	<=30	Pass
		Inner 1RB Left	21.49	/	/	23.56	/	/	<=30	Pass
		Inner 1RB Right	21.00	/	/	23.07	/	/	<=30	Pass
	3945	Edge 1RB Left	20.81	/	/	22.88	/	/	<=30	Pass
		Edge 1RB Right	19.38	/	/	21.45	/	/	<=30	Pass
		Outer Full	20.08	/	/	22.15	/	/	<=30	Pass
		Inner Full	20.03	/	/	22.10	/	/	<=30	Pass
		Inner 1RB Left	20.81	/	/	22.88	/	/	<=30	Pass
		Inner 1RB Right	19.36	/	/	21.43	/	/	<=30	Pass
CP-OFDM QPSK	3735	Edge 1RB Left	20.36	/	/	22.43	/	/	<=30	Pass
		Edge 1RB Right	21.45	/	/	23.52	/	/	<=30	Pass
		Outer Full	20.97	/	/	23.04	/	/	<=30	Pass
		Inner Full	21.44	/	/	23.51	/	/	<=30	Pass
		Inner 1RB Left	21.26	/	/	23.33	/	/	<=30	Pass
		Inner 1RB Right	22.29	/	/	24.36	/	/	<=30	Pass
	3840	Edge 1RB Left	21.75	/	/	23.82	/	/	<=30	Pass
		Edge 1RB Right	21.45	/	/	23.52	/	/	<=30	Pass
		Outer Full	22.02	/	/	24.09	/	/	<=30	Pass
		Inner Full	22.68	/	/	24.75	/	/	<=30	Pass
		Inner 1RB Left	22.61	/	/	24.68	/	/	<=30	Pass
		Inner 1RB Right	22.32	/	/	24.39	/	/	<=30	Pass
	3945	Edge 1RB Left	20.99	/	/	23.06	/	/	<=30	Pass
		Edge 1RB Right	19.53	/	/	21.60	/	/	<=30	Pass
		Outer Full	20.34	/	/	22.41	/	/	<=30	Pass
		Inner Full	20.88	/	/	22.95	/	/	<=30	Pass
		Inner 1RB Left	21.85	/	/	23.92	/	/	<=30	Pass
		Inner 1RB Right	20.39	/	/	22.46	/	/	<=30	Pass
CP-OFDM 16 QAM	3735	Edge 1RB Left	20.32	/	/	22.39	/	/	<=30	Pass
		Edge 1RB Right	21.39	/	/	23.46	/	/	<=30	Pass
		Outer Full	20.96	/	/	23.03	/	/	<=30	Pass
		Inner Full	21.21	/	/	23.28	/	/	<=30	Pass
		Inner 1RB Left	21.04	/	/	23.11	/	/	<=30	Pass
		Inner 1RB Right	22.09	/	/	24.16	/	/	<=30	Pass
	3840	Edge 1RB Left	21.67	/	/	23.74	/	/	<=30	Pass
		Edge 1RB Right	21.29	/	/	23.36	/	/	<=30	Pass
		Outer Full	22.00	/	/	24.07	/	/	<=30	Pass
		Inner Full	22.56	/	/	24.63	/	/	<=30	Pass
		Inner 1RB Left	22.28	/	/	24.35	/	/	<=30	Pass
		Inner 1RB Right	22.02	/	/	24.09	/	/	<=30	Pass
	3945	Edge 1RB Left	20.97	/	/	23.04	/	/	<=30	Pass
		Edge 1RB Right	19.50	/	/	21.57	/	/	<=30	Pass
		Outer Full	20.32	/	/	22.39	/	/	<=30	Pass
		Inner Full	20.70	/	/	22.77	/	/	<=30	Pass
		Inner 1RB Left	21.60	/	/	23.67	/	/	<=30	Pass
		Inner 1RB Right	20.19	/	/	22.26	/	/	<=30	Pass
CP-OFDM 64 QAM	3735	Edge 1RB Left	20.47	/	/	22.54	/	/	<=30	Pass
		Edge 1RB Right	21.45	/	/	23.52	/	/	<=30	Pass
		Outer Full	20.75	/	/	22.82	/	/	<=30	Pass
		Inner Full	20.62	/	/	22.69	/	/	<=30	Pass
		Inner 1RB Left	20.51	/	/	22.58	/	/	<=30	Pass

	3840	Inner 1RB Right	21.59	/	/	23.66	/	/	<=30	Pass
		Edge 1RB Left	21.66	/	/	23.73	/	/	<=30	Pass
		Edge 1RB Right	21.32	/	/	23.39	/	/	<=30	Pass
		Outer_Full	21.83	/	/	23.90	/	/	<=30	Pass
		Inner_Full	21.99	/	/	24.06	/	/	<=30	Pass
		Inner_1RB Left	21.71	/	/	23.78	/	/	<=30	Pass
		Inner_1RB Right	21.45	/	/	23.52	/	/	<=30	Pass
	3945	Edge 1RB Left	20.97	/	/	23.04	/	/	<=30	Pass
		Edge 1RB Right	19.47	/	/	21.54	/	/	<=30	Pass
		Outer_Full	20.13	/	/	22.20	/	/	<=30	Pass
		Inner_Full	20.11	/	/	22.18	/	/	<=30	Pass
		Inner_1RB Left	20.98	/	/	23.05	/	/	<=30	Pass
		Inner_1RB Right	19.56	/	/	21.63	/	/	<=30	Pass
	CP-OFDM 256 QAM	3735	Edge 1RB Left	18.80	/	/	20.87	/	/	<=30
Edge 1RB Right			19.97	/	/	22.04	/	/	<=30	Pass
Outer_Full			19.23	/	/	21.30	/	/	<=30	Pass
Inner_Full			19.06	/	/	21.13	/	/	<=30	Pass
Inner 1RB Left			18.95	/	/	21.02	/	/	<=30	Pass
Inner 1RB Right			20.06	/	/	22.13	/	/	<=30	Pass
3840		Edge 1RB Left	20.26	/	/	22.33	/	/	<=30	Pass
		Edge 1RB Right	19.75	/	/	21.82	/	/	<=30	Pass
		Outer_Full	20.30	/	/	22.37	/	/	<=30	Pass
		Inner_Full	20.42	/	/	22.49	/	/	<=30	Pass
		Inner 1RB Left	20.35	/	/	22.42	/	/	<=30	Pass
		Inner 1RB Right	19.86	/	/	21.93	/	/	<=30	Pass
3945		Edge 1RB Left	19.41	/	/	21.48	/	/	<=30	Pass
		Edge 1RB Right	17.88	/	/	19.95	/	/	<=30	Pass
		Outer_Full	18.56	/	/	20.63	/	/	<=30	Pass
		Inner_Full	18.52	/	/	20.59	/	/	<=30	Pass
		Inner 1RB Left	19.42	/	/	21.49	/	/	<=30	Pass
		Inner 1RB Right	17.96	/	/	20.03	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: 2.07dBi;										
Note2: EIRP=Conducted Power+Antenna Gain										

1.1.17 30k_SISO_80MHz_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 80MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3740.01	Edge 1RB Left	20.88	/	/	22.95	/	/	<=30	Pass
		Edge 1RB Right	22.04	/	/	24.11	/	/	<=30	Pass
		Outer Full	22.30	/	/	24.37	/	/	<=30	Pass
		Inner Full	22.50	/	/	24.57	/	/	<=30	Pass
		Inner 1RB Left	22.18	/	/	24.25	/	/	<=30	Pass
		Inner 1RB Right	23.29	/	/	25.36	/	/	<=30	Pass
	3840	Edge 1RB Left	22.15	/	/	24.22	/	/	<=30	Pass
		Edge 1RB Right	21.78	/	/	23.85	/	/	<=30	Pass
		Outer Full	23.25	/	/	25.32	/	/	<=30	Pass
		Inner Full	23.65	/	/	25.72	/	/	<=30	Pass
		Inner 1RB Left	23.80	/	/	25.87	/	/	<=30	Pass
		Inner 1RB Right	23.23	/	/	25.30	/	/	<=30	Pass
	3939.99	Edge 1RB Left	21.57	/	/	23.64	/	/	<=30	Pass
		Edge 1RB Right	19.94	/	/	22.01	/	/	<=30	Pass
		Outer Full	21.73	/	/	23.80	/	/	<=30	Pass
		Inner Full	22.18	/	/	24.25	/	/	<=30	Pass
		Inner 1RB Left	23.13	/	/	25.20	/	/	<=30	Pass
		Inner 1RB Right	21.42	/	/	23.49	/	/	<=30	Pass
DFT-s-OFDM 16	3740.01	Edge 1RB Left	20.68	/	/	22.75	/	/	<=30	Pass

QAM		Edge 1RB Right	21.86	/	/	23.93	/	/	<=30	Pass
		Outer Full	21.75	/	/	23.82	/	/	<=30	Pass
		Inner Full	22.03	/	/	24.10	/	/	<=30	Pass
		Inner 1RB Left	21.70	/	/	23.77	/	/	<=30	Pass
		Inner 1RB Right	22.78	/	/	24.85	/	/	<=30	Pass
	3840	Edge 1RB Left	21.83	/	/	23.90	/	/	<=30	Pass
		Edge 1RB Right	21.49	/	/	23.56	/	/	<=30	Pass
		Outer Full	22.70	/	/	24.77	/	/	<=30	Pass
		Inner Full	23.23	/	/	25.30	/	/	<=30	Pass
		Inner 1RB Left	22.76	/	/	24.83	/	/	<=30	Pass
	3939.99	Inner 1RB Right	22.46	/	/	24.53	/	/	<=30	Pass
		Edge 1RB Left	21.33	/	/	23.40	/	/	<=30	Pass
		Edge 1RB Right	19.72	/	/	21.79	/	/	<=30	Pass
		Outer Full	21.18	/	/	23.25	/	/	<=30	Pass
		Inner Full	21.57	/	/	23.64	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3740.01	Inner 1RB Left	22.27	/	/	24.34	/	/	<=30	Pass
		Inner 1RB Right	20.66	/	/	22.73	/	/	<=30	Pass
		Edge 1RB Left	20.71	/	/	22.78	/	/	<=30	Pass
		Edge 1RB Right	21.87	/	/	23.94	/	/	<=30	Pass
		Outer Full	21.58	/	/	23.65	/	/	<=30	Pass
	3840	Inner Full	21.55	/	/	23.62	/	/	<=30	Pass
		Inner 1RB Left	21.13	/	/	23.20	/	/	<=30	Pass
		Inner 1RB Right	22.20	/	/	24.27	/	/	<=30	Pass
		Edge 1RB Left	21.89	/	/	23.96	/	/	<=30	Pass
		Edge 1RB Right	21.48	/	/	23.55	/	/	<=30	Pass
	3939.99	Outer Full	22.51	/	/	24.58	/	/	<=30	Pass
		Inner Full	22.73	/	/	24.80	/	/	<=30	Pass
		Inner 1RB Left	22.24	/	/	24.31	/	/	<=30	Pass
		Inner 1RB Right	21.89	/	/	23.96	/	/	<=30	Pass
		Edge 1RB Left	21.34	/	/	23.41	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3740.01	Edge 1RB Right	19.73	/	/	21.80	/	/	<=30	Pass
		Outer Full	20.99	/	/	23.06	/	/	<=30	Pass
		Inner Full	21.06	/	/	23.13	/	/	<=30	Pass
		Inner 1RB Left	21.72	/	/	23.79	/	/	<=30	Pass
		Inner 1RB Right	20.16	/	/	22.23	/	/	<=30	Pass
	3840	Edge 1RB Left	20.22	/	/	22.29	/	/	<=30	Pass
		Edge 1RB Right	21.35	/	/	23.42	/	/	<=30	Pass
		Outer Full	20.77	/	/	22.84	/	/	<=30	Pass
		Inner Full	20.71	/	/	22.78	/	/	<=30	Pass
		Inner 1RB Left	20.22	/	/	22.29	/	/	<=30	Pass
	3939.99	Inner 1RB Right	21.36	/	/	23.43	/	/	<=30	Pass
		Edge 1RB Left	21.44	/	/	23.51	/	/	<=30	Pass
		Edge 1RB Right	20.98	/	/	23.05	/	/	<=30	Pass
		Outer Full	21.63	/	/	23.70	/	/	<=30	Pass
		Inner Full	21.86	/	/	23.93	/	/	<=30	Pass
CP-OFDM QPSK	3740.01	Inner 1RB Left	21.43	/	/	23.50	/	/	<=30	Pass
		Inner 1RB Right	21.00	/	/	23.07	/	/	<=30	Pass
		Edge 1RB Left	20.78	/	/	22.85	/	/	<=30	Pass
		Edge 1RB Right	19.22	/	/	21.29	/	/	<=30	Pass
		Outer Full	20.09	/	/	22.16	/	/	<=30	Pass
	3840	Inner Full	20.15	/	/	22.22	/	/	<=30	Pass
		Inner 1RB Left	20.80	/	/	22.87	/	/	<=30	Pass
		Inner 1RB Right	19.19	/	/	21.26	/	/	<=30	Pass
		Edge 1RB Left	20.28	/	/	22.35	/	/	<=30	Pass
		Edge 1RB Right	21.46	/	/	23.53	/	/	<=30	Pass
	3740.01	Outer Full	21.09	/	/	23.16	/	/	<=30	Pass
		Inner Full	21.58	/	/	23.65	/	/	<=30	Pass
		Inner 1RB Left	21.21	/	/	23.28	/	/	<=30	Pass
		Inner 1RB Right	22.38	/	/	24.45	/	/	<=30	Pass

	3840	Edge 1RB Left	21.61	/	/	23.68	/	/	<=30	Pass
		Edge 1RB Right	21.21	/	/	23.28	/	/	<=30	Pass
		Outer Full	21.99	/	/	24.06	/	/	<=30	Pass
		Inner Full	22.68	/	/	24.75	/	/	<=30	Pass
		Inner 1RB Left	22.49	/	/	24.56	/	/	<=30	Pass
		Inner 1RB Right	22.15	/	/	24.22	/	/	<=30	Pass
	3939.99	Edge 1RB Left	21.07	/	/	23.14	/	/	<=30	Pass
		Edge 1RB Right	19.38	/	/	21.45	/	/	<=30	Pass
		Outer Full	20.46	/	/	22.53	/	/	<=30	Pass
		Inner Full	21.04	/	/	23.11	/	/	<=30	Pass
		Inner 1RB Left	21.92	/	/	23.99	/	/	<=30	Pass
		Inner 1RB Right	20.30	/	/	22.37	/	/	<=30	Pass
CP-OFDM 16 QAM	3740.01	Edge 1RB Left	20.37	/	/	22.44	/	/	<=30	Pass
		Edge 1RB Right	21.42	/	/	23.49	/	/	<=30	Pass
		Outer Full	21.08	/	/	23.15	/	/	<=30	Pass
		Inner Full	21.37	/	/	23.44	/	/	<=30	Pass
		Inner 1RB Left	21.04	/	/	23.11	/	/	<=30	Pass
		Inner 1RB Right	22.20	/	/	24.27	/	/	<=30	Pass
	3840	Edge 1RB Left	21.49	/	/	23.56	/	/	<=30	Pass
		Edge 1RB Right	21.10	/	/	23.17	/	/	<=30	Pass
		Outer Full	21.99	/	/	24.06	/	/	<=30	Pass
		Inner Full	22.55	/	/	24.62	/	/	<=30	Pass
		Inner 1RB Left	22.19	/	/	24.26	/	/	<=30	Pass
		Inner 1RB Right	21.88	/	/	23.95	/	/	<=30	Pass
	3939.99	Edge 1RB Left	20.91	/	/	22.98	/	/	<=30	Pass
		Edge 1RB Right	19.26	/	/	21.33	/	/	<=30	Pass
		Outer Full	20.45	/	/	22.52	/	/	<=30	Pass
		Inner Full	20.85	/	/	22.92	/	/	<=30	Pass
		Inner 1RB Left	21.65	/	/	23.72	/	/	<=30	Pass
		Inner 1RB Right	20.06	/	/	22.13	/	/	<=30	Pass
CP-OFDM 64 QAM	3740.01	Edge 1RB Left	20.34	/	/	22.41	/	/	<=30	Pass
		Edge 1RB Right	21.45	/	/	23.52	/	/	<=30	Pass
		Outer Full	20.88	/	/	22.95	/	/	<=30	Pass
		Inner Full	20.79	/	/	22.86	/	/	<=30	Pass
		Inner 1RB Left	20.39	/	/	22.46	/	/	<=30	Pass
		Inner 1RB Right	21.56	/	/	23.63	/	/	<=30	Pass
	3840	Edge 1RB Left	21.55	/	/	23.62	/	/	<=30	Pass
		Edge 1RB Right	21.14	/	/	23.21	/	/	<=30	Pass
		Outer Full	21.80	/	/	23.87	/	/	<=30	Pass
		Inner Full	21.96	/	/	24.03	/	/	<=30	Pass
		Inner 1RB Left	21.62	/	/	23.69	/	/	<=30	Pass
		Inner 1RB Right	21.26	/	/	23.33	/	/	<=30	Pass
	3939.99	Edge 1RB Left	20.94	/	/	23.01	/	/	<=30	Pass
		Edge 1RB Right	19.31	/	/	21.38	/	/	<=30	Pass
		Outer Full	20.25	/	/	22.32	/	/	<=30	Pass
		Inner Full	20.26	/	/	22.33	/	/	<=30	Pass
		Inner 1RB Left	21.01	/	/	23.08	/	/	<=30	Pass
		Inner 1RB Right	19.43	/	/	21.50	/	/	<=30	Pass
CP-OFDM 256 QAM	3740.01	Edge 1RB Left	18.75	/	/	20.82	/	/	<=30	Pass
		Edge 1RB Right	19.94	/	/	22.01	/	/	<=30	Pass
		Outer Full	19.36	/	/	21.43	/	/	<=30	Pass
		Inner Full	19.23	/	/	21.30	/	/	<=30	Pass
		Inner 1RB Left	18.80	/	/	20.87	/	/	<=30	Pass
		Inner 1RB Right	20.04	/	/	22.11	/	/	<=30	Pass
	3840	Edge 1RB Left	20.07	/	/	22.14	/	/	<=30	Pass
		Edge 1RB Right	19.46	/	/	21.53	/	/	<=30	Pass
		Outer Full	20.26	/	/	22.33	/	/	<=30	Pass
		Inner Full	20.36	/	/	22.43	/	/	<=30	Pass
		Inner 1RB Left	20.13	/	/	22.20	/	/	<=30	Pass

		Inner 1RB Right	19.57	/	/	21.64	/	/	<=30	Pass
	3939.99	Edge 1RB Left	19.26	/	/	21.33	/	/	<=30	Pass
		Edge 1RB Right	17.61	/	/	19.68	/	/	<=30	Pass
		Outer_Full	18.68	/	/	20.75	/	/	<=30	Pass
		Inner_Full	18.70	/	/	20.77	/	/	<=30	Pass
		Inner 1RB Left	19.33	/	/	21.40	/	/	<=30	Pass
		Inner 1RB Right	17.83	/	/	19.90	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: 2.07dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.18 30k_SISO_90MHz_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 90MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3745.02	Edge 1RB Left	20.65	/	/	22.72	/	/	<=30	Pass
		Edge 1RB Right	22.00	/	/	24.07	/	/	<=30	Pass
		Outer Full	22.41	/	/	24.48	/	/	<=30	Pass
		Inner Full	22.56	/	/	24.63	/	/	<=30	Pass
		Inner 1RB Left	22.06	/	/	24.13	/	/	<=30	Pass
		Inner 1RB Right	23.28	/	/	25.35	/	/	<=30	Pass
	3840	Edge 1RB Left	22.07	/	/	24.14	/	/	<=30	Pass
		Edge 1RB Right	21.57	/	/	23.64	/	/	<=30	Pass
		Outer Full	23.25	/	/	25.32	/	/	<=30	Pass
		Inner Full	23.61	/	/	25.68	/	/	<=30	Pass
		Inner 1RB Left	23.29	/	/	25.36	/	/	<=30	Pass
		Inner 1RB Right	22.94	/	/	25.01	/	/	<=30	Pass
	3934.98	Edge 1RB Left	21.63	/	/	23.70	/	/	<=30	Pass
		Edge 1RB Right	19.81	/	/	21.88	/	/	<=30	Pass
		Outer Full	21.87	/	/	23.94	/	/	<=30	Pass
		Inner Full	22.32	/	/	24.39	/	/	<=30	Pass
		Inner 1RB Left	22.96	/	/	25.03	/	/	<=30	Pass
		Inner 1RB Right	21.14	/	/	23.21	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3745.02	Edge 1RB Left	20.54	/	/	22.61	/	/	<=30	Pass
		Edge 1RB Right	21.70	/	/	23.77	/	/	<=30	Pass
		Outer Full	21.85	/	/	23.92	/	/	<=30	Pass
		Inner Full	22.09	/	/	24.16	/	/	<=30	Pass
		Inner 1RB Left	21.50	/	/	23.57	/	/	<=30	Pass
		Inner 1RB Right	22.65	/	/	24.72	/	/	<=30	Pass
	3840	Edge 1RB Left	21.80	/	/	23.87	/	/	<=30	Pass
		Edge 1RB Right	21.31	/	/	23.38	/	/	<=30	Pass
		Outer Full	22.69	/	/	24.76	/	/	<=30	Pass
		Inner Full	23.18	/	/	25.25	/	/	<=30	Pass
		Inner 1RB Left	22.65	/	/	24.72	/	/	<=30	Pass
		Inner 1RB Right	22.26	/	/	24.33	/	/	<=30	Pass
	3934.98	Edge 1RB Left	21.41	/	/	23.48	/	/	<=30	Pass
		Edge 1RB Right	19.66	/	/	21.73	/	/	<=30	Pass
		Outer Full	21.32	/	/	23.39	/	/	<=30	Pass
		Inner Full	21.66	/	/	23.73	/	/	<=30	Pass
		Inner 1RB Left	22.35	/	/	24.42	/	/	<=30	Pass
		Inner 1RB Right	20.57	/	/	22.64	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3745.02	Edge 1RB Left	20.44	/	/	22.51	/	/	<=30	Pass
		Edge 1RB Right	21.62	/	/	23.69	/	/	<=30	Pass
		Outer Full	21.66	/	/	23.73	/	/	<=30	Pass
		Inner Full	21.59	/	/	23.66	/	/	<=30	Pass
		Inner 1RB Left	20.89	/	/	22.96	/	/	<=30	Pass
		Inner 1RB Right	22.12	/	/	24.19	/	/	<=30	Pass
	3840	Edge 1RB Left	21.82	/	/	23.89	/	/	<=30	Pass

		Edge 1RB Right	21.24	/	/	23.31	/	/	<=30	Pass
		Outer Full	22.48	/	/	24.55	/	/	<=30	Pass
		Inner Full	22.67	/	/	24.74	/	/	<=30	Pass
		Inner 1RB Left	22.11	/	/	24.18	/	/	<=30	Pass
		Inner 1RB Right	21.61	/	/	23.68	/	/	<=30	Pass
	3934.98	Edge 1RB Left	21.34	/	/	23.41	/	/	<=30	Pass
		Edge 1RB Right	19.61	/	/	21.68	/	/	<=30	Pass
		Outer Full	21.13	/	/	23.20	/	/	<=30	Pass
		Inner Full	21.14	/	/	23.21	/	/	<=30	Pass
		Inner 1RB Left	21.80	/	/	23.87	/	/	<=30	Pass
		Inner 1RB Right	20.03	/	/	22.10	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3745.02	Edge 1RB Left	20.02	/	/	22.09	/	/	<=30	Pass
		Edge 1RB Right	21.19	/	/	23.26	/	/	<=30	Pass
		Outer Full	20.80	/	/	22.87	/	/	<=30	Pass
		Inner Full	20.73	/	/	22.80	/	/	<=30	Pass
		Inner 1RB Left	19.95	/	/	22.02	/	/	<=30	Pass
		Inner 1RB Right	21.25	/	/	23.32	/	/	<=30	Pass
	3840	Edge 1RB Left	21.35	/	/	23.42	/	/	<=30	Pass
		Edge 1RB Right	20.75	/	/	22.82	/	/	<=30	Pass
		Outer Full	21.61	/	/	23.68	/	/	<=30	Pass
		Inner Full	21.77	/	/	23.84	/	/	<=30	Pass
		Inner 1RB Left	21.34	/	/	23.41	/	/	<=30	Pass
		Inner 1RB Right	20.74	/	/	22.81	/	/	<=30	Pass
	3934.98	Edge 1RB Left	20.89	/	/	22.96	/	/	<=30	Pass
		Edge 1RB Right	19.07	/	/	21.14	/	/	<=30	Pass
		Outer Full	20.21	/	/	22.28	/	/	<=30	Pass
		Inner Full	20.23	/	/	22.30	/	/	<=30	Pass
		Inner 1RB Left	20.88	/	/	22.95	/	/	<=30	Pass
		Inner 1RB Right	19.06	/	/	21.13	/	/	<=30	Pass
CP-OFDM QPSK	3745.02	Edge 1RB Left	20.07	/	/	22.14	/	/	<=30	Pass
		Edge 1RB Right	21.52	/	/	23.59	/	/	<=30	Pass
		Outer Full	21.08	/	/	23.15	/	/	<=30	Pass
		Inner Full	21.61	/	/	23.68	/	/	<=30	Pass
		Inner 1RB Left	21.05	/	/	23.12	/	/	<=30	Pass
		Inner 1RB Right	22.38	/	/	24.45	/	/	<=30	Pass
	3840	Edge 1RB Left	21.50	/	/	23.57	/	/	<=30	Pass
		Edge 1RB Right	21.11	/	/	23.18	/	/	<=30	Pass
		Outer Full	21.89	/	/	23.96	/	/	<=30	Pass
		Inner Full	22.60	/	/	24.67	/	/	<=30	Pass
		Inner 1RB Left	22.37	/	/	24.44	/	/	<=30	Pass
		Inner 1RB Right	21.95	/	/	24.02	/	/	<=30	Pass
	3934.98	Edge 1RB Left	21.13	/	/	23.20	/	/	<=30	Pass
		Edge 1RB Right	19.37	/	/	21.44	/	/	<=30	Pass
		Outer Full	20.51	/	/	22.58	/	/	<=30	Pass
		Inner Full	21.06	/	/	23.13	/	/	<=30	Pass
		Inner 1RB Left	22.00	/	/	24.07	/	/	<=30	Pass
		Inner 1RB Right	20.19	/	/	22.26	/	/	<=30	Pass
CP-OFDM 16 QAM	3745.02	Edge 1RB Left	20.11	/	/	22.18	/	/	<=30	Pass
		Edge 1RB Right	21.40	/	/	23.47	/	/	<=30	Pass
		Outer Full	21.06	/	/	23.13	/	/	<=30	Pass
		Inner Full	21.43	/	/	23.50	/	/	<=30	Pass
		Inner 1RB Left	20.81	/	/	22.88	/	/	<=30	Pass
		Inner 1RB Right	22.03	/	/	24.10	/	/	<=30	Pass
	3840	Edge 1RB Left	21.41	/	/	23.48	/	/	<=30	Pass
		Edge 1RB Right	20.91	/	/	22.98	/	/	<=30	Pass
		Outer Full	21.88	/	/	23.95	/	/	<=30	Pass
		Inner Full	22.45	/	/	24.52	/	/	<=30	Pass
		Inner 1RB Left	22.02	/	/	24.09	/	/	<=30	Pass
		Inner 1RB Right	21.63	/	/	23.70	/	/	<=30	Pass

	3934.98	Edge 1RB Left	20.93	/	/	23.00	/	/	<=30	Pass
		Edge 1RB Right	19.28	/	/	21.35	/	/	<=30	Pass
		Outer_Full	20.50	/	/	22.57	/	/	<=30	Pass
		Inner_Full	20.89	/	/	22.96	/	/	<=30	Pass
		Inner 1RB Left	22.05	/	/	24.12	/	/	<=30	Pass
		Inner 1RB Right	19.97	/	/	22.04	/	/	<=30	Pass
CP-OFDM 64 QAM	3745.02	Edge 1RB Left	20.11	/	/	22.18	/	/	<=30	Pass
		Edge 1RB Right	21.40	/	/	23.47	/	/	<=30	Pass
		Outer_Full	20.86	/	/	22.93	/	/	<=30	Pass
		Inner_Full	20.81	/	/	22.88	/	/	<=30	Pass
		Inner 1RB Left	20.15	/	/	22.22	/	/	<=30	Pass
		Inner 1RB Right	21.41	/	/	23.48	/	/	<=30	Pass
	3840	Edge 1RB Left	21.44	/	/	23.51	/	/	<=30	Pass
		Edge 1RB Right	21.01	/	/	23.08	/	/	<=30	Pass
		Outer_Full	21.68	/	/	23.75	/	/	<=30	Pass
		Inner_Full	21.84	/	/	23.91	/	/	<=30	Pass
		Inner 1RB Left	21.48	/	/	23.55	/	/	<=30	Pass
		Inner 1RB Right	21.00	/	/	23.07	/	/	<=30	Pass
	3934.98	Edge 1RB Left	21.01	/	/	23.08	/	/	<=30	Pass
		Edge 1RB Right	19.34	/	/	21.41	/	/	<=30	Pass
		Outer_Full	20.28	/	/	22.35	/	/	<=30	Pass
		Inner_Full	20.26	/	/	22.33	/	/	<=30	Pass
		Inner 1RB Left	21.01	/	/	23.08	/	/	<=30	Pass
		Inner 1RB Right	19.31	/	/	21.38	/	/	<=30	Pass
CP-OFDM 256 QAM	3745.02	Edge 1RB Left	18.40	/	/	20.47	/	/	<=30	Pass
		Edge 1RB Right	19.76	/	/	21.83	/	/	<=30	Pass
		Outer_Full	19.26	/	/	21.33	/	/	<=30	Pass
		Inner_Full	19.23	/	/	21.30	/	/	<=30	Pass
		Inner 1RB Left	18.52	/	/	20.59	/	/	<=30	Pass
		Inner 1RB Right	19.88	/	/	21.95	/	/	<=30	Pass
	3840	Edge 1RB Left	19.91	/	/	21.98	/	/	<=30	Pass
		Edge 1RB Right	19.30	/	/	21.37	/	/	<=30	Pass
		Outer_Full	20.10	/	/	22.17	/	/	<=30	Pass
		Inner_Full	20.25	/	/	22.32	/	/	<=30	Pass
		Inner 1RB Left	19.94	/	/	22.01	/	/	<=30	Pass
		Inner 1RB Right	19.33	/	/	21.40	/	/	<=30	Pass
	3934.98	Edge 1RB Left	19.43	/	/	21.50	/	/	<=30	Pass
		Edge 1RB Right	17.69	/	/	19.76	/	/	<=30	Pass
		Outer_Full	18.70	/	/	20.77	/	/	<=30	Pass
		Inner_Full	18.64	/	/	20.71	/	/	<=30	Pass
		Inner 1RB Left	19.36	/	/	21.43	/	/	<=30	Pass
		Inner 1RB Right	17.71	/	/	19.78	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: 2.07dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.19 30k_SISO_100MHz_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 100MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3750	Edge 1RB Left	20.39	/	/	22.46	/	/	<=30	Pass
		Edge 1RB Right	21.80	/	/	23.87	/	/	<=30	Pass
		Outer Full	22.44	/	/	24.51	/	/	<=30	Pass
		Inner Full	22.63	/	/	24.70	/	/	<=30	Pass
		Inner 1RB Left	21.86	/	/	23.93	/	/	<=30	Pass
		Inner 1RB Right	23.38	/	/	25.45	/	/	<=30	Pass
	3840	Edge 1RB Left	21.81	/	/	23.88	/	/	<=30	Pass
		Edge 1RB Right	21.25	/	/	23.32	/	/	<=30	Pass

		Outer Full	23.22	/	/	25.29	/	/	<=30	Pass
		Inner Full	23.59	/	/	25.66	/	/	<=30	Pass
		Inner 1RB Left	23.13	/	/	25.20	/	/	<=30	Pass
		Inner 1RB Right	22.75	/	/	24.82	/	/	<=30	Pass
	3930	Edge 1RB Left	21.70	/	/	23.77	/	/	<=30	Pass
		Edge 1RB Right	19.65	/	/	21.72	/	/	<=30	Pass
		Outer Full	22.04	/	/	24.11	/	/	<=30	Pass
		Inner Full	22.46	/	/	24.53	/	/	<=30	Pass
		Inner 1RB Left	23.11	/	/	25.18	/	/	<=30	Pass
		Inner 1RB Right	21.15	/	/	23.22	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3750	Edge 1RB Left	20.21	/	/	22.28	/	/	<=30	Pass
		Edge 1RB Right	21.43	/	/	23.50	/	/	<=30	Pass
		Outer Full	21.88	/	/	23.95	/	/	<=30	Pass
		Inner Full	22.17	/	/	24.24	/	/	<=30	Pass
		Inner 1RB Left	21.28	/	/	23.35	/	/	<=30	Pass
		Inner 1RB Right	22.54	/	/	24.61	/	/	<=30	Pass
	3840	Edge 1RB Left	21.60	/	/	23.67	/	/	<=30	Pass
		Edge 1RB Right	20.96	/	/	23.03	/	/	<=30	Pass
		Outer Full	22.68	/	/	24.75	/	/	<=30	Pass
		Inner Full	23.14	/	/	25.21	/	/	<=30	Pass
		Inner 1RB Left	22.51	/	/	24.58	/	/	<=30	Pass
		Inner 1RB Right	22.03	/	/	24.10	/	/	<=30	Pass
	3930	Edge 1RB Left	21.42	/	/	23.49	/	/	<=30	Pass
		Edge 1RB Right	19.48	/	/	21.55	/	/	<=30	Pass
		Outer Full	21.49	/	/	23.56	/	/	<=30	Pass
		Inner Full	21.82	/	/	23.89	/	/	<=30	Pass
		Inner 1RB Left	22.48	/	/	24.55	/	/	<=30	Pass
		Inner 1RB Right	20.53	/	/	22.60	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3750	Edge 1RB Left	20.26	/	/	22.33	/	/	<=30	Pass
		Edge 1RB Right	21.41	/	/	23.48	/	/	<=30	Pass
		Outer Full	21.67	/	/	23.74	/	/	<=30	Pass
		Inner Full	21.67	/	/	23.74	/	/	<=30	Pass
		Inner 1RB Left	20.78	/	/	22.85	/	/	<=30	Pass
		Inner 1RB Right	21.97	/	/	24.04	/	/	<=30	Pass
	3840	Edge 1RB Left	21.63	/	/	23.70	/	/	<=30	Pass
		Edge 1RB Right	21.01	/	/	23.08	/	/	<=30	Pass
		Outer Full	22.47	/	/	24.54	/	/	<=30	Pass
		Inner Full	22.63	/	/	24.70	/	/	<=30	Pass
		Inner 1RB Left	22.07	/	/	24.14	/	/	<=30	Pass
		Inner 1RB Right	21.38	/	/	23.45	/	/	<=30	Pass
	3930	Edge 1RB Left	21.43	/	/	23.50	/	/	<=30	Pass
		Edge 1RB Right	19.44	/	/	21.51	/	/	<=30	Pass
		Outer Full	21.27	/	/	23.34	/	/	<=30	Pass
		Inner Full	21.30	/	/	23.37	/	/	<=30	Pass
		Inner 1RB Left	21.80	/	/	23.87	/	/	<=30	Pass
		Inner 1RB Right	20.00	/	/	22.07	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3750	Edge 1RB Left	19.57	/	/	21.64	/	/	<=30	Pass
		Edge 1RB Right	20.78	/	/	22.85	/	/	<=30	Pass
		Outer Full	20.80	/	/	22.87	/	/	<=30	Pass
		Inner Full	20.79	/	/	22.86	/	/	<=30	Pass
		Inner 1RB Left	19.75	/	/	21.82	/	/	<=30	Pass
		Inner 1RB Right	20.81	/	/	22.88	/	/	<=30	Pass
	3840	Edge 1RB Left	21.14	/	/	23.21	/	/	<=30	Pass
		Edge 1RB Right	20.30	/	/	22.37	/	/	<=30	Pass
		Outer Full	21.60	/	/	23.67	/	/	<=30	Pass
		Inner Full	21.70	/	/	23.77	/	/	<=30	Pass
		Inner 1RB Left	21.04	/	/	23.11	/	/	<=30	Pass
		Inner 1RB Right	20.34	/	/	22.41	/	/	<=30	Pass
	3930	Edge 1RB Left	20.60	/	/	22.67	/	/	<=30	Pass

		Edge 1RB Right	18.68	/	/	20.75	/	/	<=30	Pass
		Outer Full	20.34	/	/	22.41	/	/	<=30	Pass
		Inner Full	20.38	/	/	22.45	/	/	<=30	Pass
		Inner 1RB Left	20.76	/	/	22.83	/	/	<=30	Pass
		Inner 1RB Right	18.86	/	/	20.93	/	/	<=30	Pass
CP-OFDM QPSK	3750	Edge 1RB Left	19.79	/	/	21.86	/	/	<=30	Pass
		Edge 1RB Right	21.30	/	/	23.37	/	/	<=30	Pass
		Outer Full	21.09	/	/	23.16	/	/	<=30	Pass
		Inner Full	21.70	/	/	23.77	/	/	<=30	Pass
		Inner 1RB Left	20.78	/	/	22.85	/	/	<=30	Pass
		Inner 1RB Right	22.22	/	/	24.29	/	/	<=30	Pass
	3840	Edge 1RB Left	21.31	/	/	23.38	/	/	<=30	Pass
		Edge 1RB Right	20.89	/	/	22.96	/	/	<=30	Pass
		Outer Full	21.85	/	/	23.92	/	/	<=30	Pass
		Inner Full	22.63	/	/	24.70	/	/	<=30	Pass
		Inner 1RB Left	22.28	/	/	24.35	/	/	<=30	Pass
		Inner 1RB Right	21.74	/	/	23.81	/	/	<=30	Pass
	3930	Edge 1RB Left	21.15	/	/	23.22	/	/	<=30	Pass
		Edge 1RB Right	19.27	/	/	21.34	/	/	<=30	Pass
		Outer Full	20.65	/	/	22.72	/	/	<=30	Pass
		Inner Full	21.29	/	/	23.36	/	/	<=30	Pass
		Inner 1RB Left	22.16	/	/	24.23	/	/	<=30	Pass
		Inner 1RB Right	20.19	/	/	22.26	/	/	<=30	Pass
CP-OFDM 16 QAM	3750	Edge 1RB Left	19.68	/	/	21.75	/	/	<=30	Pass
		Edge 1RB Right	21.17	/	/	23.24	/	/	<=30	Pass
		Outer Full	21.08	/	/	23.15	/	/	<=30	Pass
		Inner Full	21.57	/	/	23.64	/	/	<=30	Pass
		Inner 1RB Left	20.60	/	/	22.67	/	/	<=30	Pass
		Inner 1RB Right	21.90	/	/	23.97	/	/	<=30	Pass
	3840	Edge 1RB Left	21.26	/	/	23.33	/	/	<=30	Pass
		Edge 1RB Right	20.76	/	/	22.83	/	/	<=30	Pass
		Outer Full	21.88	/	/	23.95	/	/	<=30	Pass
		Inner Full	22.50	/	/	24.57	/	/	<=30	Pass
		Inner 1RB Left	21.89	/	/	23.96	/	/	<=30	Pass
		Inner 1RB Right	21.42	/	/	23.49	/	/	<=30	Pass
	3930	Edge 1RB Left	21.04	/	/	23.11	/	/	<=30	Pass
		Edge 1RB Right	19.24	/	/	21.31	/	/	<=30	Pass
		Outer Full	20.65	/	/	22.72	/	/	<=30	Pass
		Inner Full	21.13	/	/	23.20	/	/	<=30	Pass
		Inner 1RB Left	21.75	/	/	23.82	/	/	<=30	Pass
		Inner 1RB Right	19.93	/	/	22.00	/	/	<=30	Pass
CP-OFDM 64 QAM	3750	Edge 1RB Left	19.86	/	/	21.93	/	/	<=30	Pass
		Edge 1RB Right	21.21	/	/	23.28	/	/	<=30	Pass
		Outer Full	20.90	/	/	22.97	/	/	<=30	Pass
		Inner Full	20.95	/	/	23.02	/	/	<=30	Pass
		Inner 1RB Left	19.91	/	/	21.98	/	/	<=30	Pass
		Inner 1RB Right	21.21	/	/	23.28	/	/	<=30	Pass
	3840	Edge 1RB Left	21.30	/	/	23.37	/	/	<=30	Pass
		Edge 1RB Right	20.79	/	/	22.86	/	/	<=30	Pass
		Outer Full	21.70	/	/	23.77	/	/	<=30	Pass
		Inner Full	21.89	/	/	23.96	/	/	<=30	Pass
		Inner 1RB Left	21.32	/	/	23.39	/	/	<=30	Pass
		Inner 1RB Right	20.84	/	/	22.91	/	/	<=30	Pass
	3930	Edge 1RB Left	21.05	/	/	23.12	/	/	<=30	Pass
		Edge 1RB Right	19.25	/	/	21.32	/	/	<=30	Pass
		Outer Full	20.46	/	/	22.53	/	/	<=30	Pass
		Inner Full	20.51	/	/	22.58	/	/	<=30	Pass
		Inner 1RB Left	21.15	/	/	23.22	/	/	<=30	Pass
		Inner 1RB Right	19.28	/	/	21.35	/	/	<=30	Pass

CP-OFDM 256 QAM	3750	Edge_1RB_Left	17.95	/	/	20.02	/	/	<=30	Pass
		Edge_1RB_Right	19.36	/	/	21.43	/	/	<=30	Pass
		Outer_Full	19.29	/	/	21.36	/	/	<=30	Pass
		Inner_Full	19.37	/	/	21.44	/	/	<=30	Pass
		Inner_1RB_Left	18.19	/	/	20.26	/	/	<=30	Pass
		Inner_1RB_Right	19.40	/	/	21.47	/	/	<=30	Pass
	3840	Edge_1RB_Left	19.44	/	/	21.51	/	/	<=30	Pass
		Edge_1RB_Right	19.02	/	/	21.09	/	/	<=30	Pass
		Outer_Full	20.15	/	/	22.22	/	/	<=30	Pass
		Inner_Full	20.31	/	/	22.38	/	/	<=30	Pass
		Inner_1RB_Left	19.76	/	/	21.83	/	/	<=30	Pass
		Inner_1RB_Right	18.82	/	/	20.89	/	/	<=30	Pass
	3930	Edge_1RB_Left	19.23	/	/	21.30	/	/	<=30	Pass
		Edge_1RB_Right	17.42	/	/	19.49	/	/	<=30	Pass
		Outer_Full	18.83	/	/	20.90	/	/	<=30	Pass
		Inner_Full	18.90	/	/	20.97	/	/	<=30	Pass
		Inner_1RB_Left	19.55	/	/	21.62	/	/	<=30	Pass
		Inner_1RB_Right	17.65	/	/	19.72	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: 2.07dBi; Note2: EIRP=Conducted Power+Antenna Gain										

2. Frequency Stability

2.1 Test Result

2.1.1 15k_SISO_10MHz

5G NR n77a SCS=15kHz SISO 10MHz								
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	-12.80	-0.0033	>=-2.5 & <=2.5	Pass
				HV	-6.80	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	3.30	0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-7.40	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-7.10	-0.0018	>=-2.5 & <=2.5	Pass
			0	NV	-9.50	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-6.10	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-5.80	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-6.90	-0.0018	>=-2.5 & <=2.5	Pass
			40	NV	-7.20	-0.0019	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	5.40	0.0014	>=-2.5 & <=2.5	Pass
				HV	-4.20	-0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	4.90	0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	-1.20	-0.0003	>=-2.5 & <=2.5	Pass
			-10	NV	-2.30	-0.0006	>=-2.5 & <=2.5	Pass
			0	NV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass
			10	NV	-3.30	-0.0009	>=-2.5 & <=2.5	Pass
			20	NV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
			30	NV	5.70	0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-7.60	-0.0020	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	-8.90	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-5.30	-0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-3.50	-0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-9.70	-0.0025	>=-2.5 & <=2.5	Pass

			-10	NV	-3.30	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-5.40	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-5.80	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-8.60	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-2.60	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-6.40	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-8.00	-0.0021	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	-6.60	-0.0017	≥ -2.5 & ≤ 2.5	Pass
				HV	-3.80	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-4.00	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-3.60	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	2.90	0.0008	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.40	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.50	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-6.00	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-5.20	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.90	-0.0010	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	3840	Outer_Full	50	NV	-6.80	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-6.10	-0.0016	≥ -2.5 & ≤ 2.5	Pass
				HV	-10.80	-0.0028	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-12.50	-0.0033	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-6.00	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-7.20	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			0	NV	4.50	0.0012	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-5.60	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-7.20	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-5.80	-0.0015	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	40	NV	-4.10	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-5.50	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			20	LV	9.90	0.0026	≥ -2.5 & ≤ 2.5	Pass
				HV	-12.50	-0.0033	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-6.60	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-13.10	-0.0034	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-17.50	-0.0046	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-10.40	-0.0027	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-14.50	-0.0038	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-11.00	-0.0029	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	30	NV	-24.30	-0.0063	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-12.20	-0.0032	≥ -2.5 & ≤ 2.5	Pass
			50	NV	10.80	0.0028	≥ -2.5 & ≤ 2.5	Pass
			20	LV	20.40	0.0053	≥ -2.5 & ≤ 2.5	Pass
				HV	23.50	0.0061	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-18.20	-0.0047	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	31.30	0.0082	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	20.80	0.0054	≥ -2.5 & ≤ 2.5	Pass
			0	NV	48.60	0.0127	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-16.40	-0.0043	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	NV	22.30	0.0058	≥ -2.5 & ≤ 2.5	Pass
			30	NV	18.90	0.0049	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-7.90	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-21.10	-0.0055	≥ -2.5 & ≤ 2.5	Pass
			20	LV	18.30	0.0048	≥ -2.5 & ≤ 2.5	Pass
				HV	14.00	0.0036	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	15.40	0.0040	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	17.40	0.0045	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	3.80	0.0010	≥ -2.5 & ≤ 2.5	Pass
			0	NV	13.90	0.0036	≥ -2.5 & ≤ 2.5	Pass
			10	NV	16.20	0.0042	≥ -2.5 & ≤ 2.5	Pass
			20	NV	14.60	0.0038	≥ -2.5 & ≤ 2.5	Pass

			30	NV	12.40	0.0032	>=-2.5 & <=2.5	Pass
			40	NV	15.50	0.0040	>=-2.5 & <=2.5	Pass
			50	NV	11.80	0.0031	>=-2.5 & <=2.5	Pass

2.1.2 15k_SISO_15MHz

5G NR n77a SCS=15kHz SISO 15MHz								
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	-17.30	-0.0045	>=-2.5 & <=2.5	Pass
				HV	-10.70	-0.0028	>=-2.5 & <=2.5	Pass
			-30	NV	-13.10	-0.0034	>=-2.5 & <=2.5	Pass
			-20	NV	-9.70	-0.0025	>=-2.5 & <=2.5	Pass
			-10	NV	-14.70	-0.0038	>=-2.5 & <=2.5	Pass
			0	NV	-10.00	-0.0026	>=-2.5 & <=2.5	Pass
			10	NV	-7.60	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-5.90	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-9.80	-0.0026	>=-2.5 & <=2.5	Pass
			40	NV	-18.70	-0.0049	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-7.80	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-8.60	-0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	-7.90	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-9.60	-0.0025	>=-2.5 & <=2.5	Pass
			-10	NV	-5.50	-0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-9.00	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-8.70	-0.0023	>=-2.5 & <=2.5	Pass
			20	NV	-6.30	-0.0016	>=-2.5 & <=2.5	Pass
			30	NV	-2.30	-0.0006	>=-2.5 & <=2.5	Pass
			40	NV	-2.70	-0.0007	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	-4.40	-0.0011	>=-2.5 & <=2.5	Pass
				HV	7.70	0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	-6.70	-0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	11.30	0.0029	>=-2.5 & <=2.5	Pass
			-10	NV	-5.80	-0.0015	>=-2.5 & <=2.5	Pass
			0	NV	12.50	0.0033	>=-2.5 & <=2.5	Pass
			10	NV	12.90	0.0034	>=-2.5 & <=2.5	Pass
			20	NV	-8.70	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	9.90	0.0026	>=-2.5 & <=2.5	Pass
			40	NV	-7.90	-0.0021	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	5.00	0.0013	>=-2.5 & <=2.5	Pass
				HV	-7.00	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-3.30	-0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	-8.90	-0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-7.00	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-4.70	-0.0012	>=-2.5 & <=2.5	Pass
			20	NV	-9.20	-0.0024	>=-2.5 & <=2.5	Pass
			30	NV	-3.90	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-6.40	-0.0017	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3840	Outer_Full	20	NV	-4.40	-0.0011	>=-2.5 & <=2.5	Pass
				LV	-6.60	-0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	-7.70	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-10.10	-0.0026	>=-2.5 & <=2.5	Pass

			-10	NV	-4.50	-0.0012	>=-2.5 & <=2.5	Pass
			0	NV	-2.40	-0.0006	>=-2.5 & <=2.5	Pass
			10	NV	-5.90	-0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-5.10	-0.0013	>=-2.5 & <=2.5	Pass
			30	NV	-3.60	-0.0009	>=-2.5 & <=2.5	Pass
			40	NV	-5.90	-0.0015	>=-2.5 & <=2.5	Pass
			50	NV	-2.00	-0.0005	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	-5.70	-0.0015	>=-2.5 & <=2.5	Pass
				HV	-13.40	-0.0035	>=-2.5 & <=2.5	Pass
			-30	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-7.30	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-5.90	-0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-11.00	-0.0029	>=-2.5 & <=2.5	Pass
			10	NV	-12.80	-0.0033	>=-2.5 & <=2.5	Pass
			20	NV	-11.90	-0.0031	>=-2.5 & <=2.5	Pass
			30	NV	-10.90	-0.0028	>=-2.5 & <=2.5	Pass
			40	NV	-8.20	-0.0021	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	50	NV	-12.80	-0.0033	>=-2.5 & <=2.5	Pass
			20	LV	-13.90	-0.0036	>=-2.5 & <=2.5	Pass
				HV	-29.30	-0.0076	>=-2.5 & <=2.5	Pass
			-30	NV	-25.10	-0.0065	>=-2.5 & <=2.5	Pass
			-20	NV	18.50	0.0048	>=-2.5 & <=2.5	Pass
			-10	NV	-21.30	-0.0055	>=-2.5 & <=2.5	Pass
			0	NV	25.10	0.0065	>=-2.5 & <=2.5	Pass
			10	NV	22.00	0.0057	>=-2.5 & <=2.5	Pass
			20	NV	-28.50	-0.0074	>=-2.5 & <=2.5	Pass
			30	NV	34.50	0.0090	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	40	NV	28.80	0.0075	>=-2.5 & <=2.5	Pass
			50	NV	24.80	0.0065	>=-2.5 & <=2.5	Pass
			20	LV	10.10	0.0026	>=-2.5 & <=2.5	Pass
				HV	6.00	0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	9.90	0.0026	>=-2.5 & <=2.5	Pass
			-20	NV	16.70	0.0043	>=-2.5 & <=2.5	Pass
			-10	NV	9.90	0.0026	>=-2.5 & <=2.5	Pass
			0	NV	20.00	0.0052	>=-2.5 & <=2.5	Pass
			10	NV	15.80	0.0041	>=-2.5 & <=2.5	Pass
			20	NV	10.90	0.0028	>=-2.5 & <=2.5	Pass
			30	NV	14.40	0.0038	>=-2.5 & <=2.5	Pass
			40	NV	10.40	0.0027	>=-2.5 & <=2.5	Pass
			50	NV	16.10	0.0042	>=-2.5 & <=2.5	Pass

2.1.3 15k_SISO_20MHz

5G NR n77a SCS=15kHz SISO 20MHz								
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	-15.50	-0.0040	>=-2.5 & <=2.5	Pass
				HV	-13.70	-0.0036	>=-2.5 & <=2.5	Pass
			-30	NV	-14.90	-0.0039	>=-2.5 & <=2.5	Pass
			-20	NV	-10.30	-0.0027	>=-2.5 & <=2.5	Pass
			-10	NV	-8.60	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-9.30	-0.0024	>=-2.5 & <=2.5	Pass
			10	NV	-8.10	-0.0021	>=-2.5 & <=2.5	Pass
			20	NV	-8.50	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-5.70	-0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-7.40	-0.0019	>=-2.5 & <=2.5	Pass
			50	NV	-8.90	-0.0023	>=-2.5 & <=2.5	Pass

DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-5.60	-0.0015	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-13.10	-0.0034	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-6.60	-0.0017	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-5.80	-0.0015	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-3.10	-0.0008	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-7.40	-0.0019	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-10.50	-0.0027	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-9.50	-0.0025	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-7.80	-0.0020	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-8.70	-0.0023	$\geq -2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	-8.90	-0.0023	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-2.40	-0.0006	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-6.70	-0.0017	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-14.00	-0.0036	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-7.10	-0.0018	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-10.90	-0.0028	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-9.50	-0.0025	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-9.30	-0.0024	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-7.90	-0.0021	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-10.00	-0.0026	$\geq -2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	-5.70	-0.0015	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-6.80	-0.0018	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	3.00	0.0008	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-2.20	-0.0006	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-4.00	-0.0010	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-2.00	-0.0005	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-2.70	-0.0007	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-4.00	-0.0010	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-4.50	-0.0012	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-6.70	-0.0017	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM QPSK	3840	Outer_Full	20	LV	-9.60	-0.0025	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-8.60	-0.0022	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-3.70	-0.0010	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-4.20	-0.0011	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-5.60	-0.0015	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-6.20	-0.0016	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-6.60	-0.0017	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-4.00	-0.0010	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-10.80	-0.0028	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-6.50	-0.0017	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	-11.10	-0.0029	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-8.30	-0.0022	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-14.80	-0.0039	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-7.90	-0.0021	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-10.10	-0.0026	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-11.30	-0.0029	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-8.00	-0.0021	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-10.30	-0.0027	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-8.30	-0.0022	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-6.60	-0.0017	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	-9.90	-0.0026	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-10.40	-0.0027	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-17.00	-0.0044	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-13.40	-0.0035	$\geq -2.5 \ \& \ \leq 2.5$	Pass

			-10	NV	-8.80	-0.0023	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-7.40	-0.0019	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-17.60	-0.0046	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-23.30	-0.0061	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-13.00	-0.0034	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-10.80	-0.0028	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-5.90	-0.0015	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	LV	-18.80	-0.0049	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-10.20	-0.0027	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-11.20	-0.0029	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-11.70	-0.0030	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-18.90	-0.0049	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-18.30	-0.0048	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-13.90	-0.0036	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-18.60	-0.0048	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-15.80	-0.0041	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-16.40	-0.0043	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-18.70	-0.0049	$\geq -2.5 \ \& \ \leq 2.5$	Pass

2.1.4 15k_SISO_25MHz

5G NR n77a SCS=15kHz SISO 25MHz								
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	-11.50	-0.0030	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-10.30	-0.0027	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-13.10	-0.0034	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-8.30	-0.0022	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-10.40	-0.0027	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-7.80	-0.0020	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-6.30	-0.0016	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-8.20	-0.0021	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-8.20	-0.0021	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-7.90	-0.0021	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-8.90	-0.0023	$\geq -2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	5.00	0.0013	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-5.40	-0.0014	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-4.80	-0.0013	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-8.00	-0.0021	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-5.50	-0.0014	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-10.20	-0.0027	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-4.60	-0.0012	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-11.00	-0.0029	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-11.40	-0.0030	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-10.70	-0.0028	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-5.40	-0.0014	$\geq -2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	-4.00	-0.0010	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-8.00	-0.0021	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-9.70	-0.0025	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-7.60	-0.0020	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-4.40	-0.0011	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-6.80	-0.0018	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-4.90	-0.0013	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-5.20	-0.0014	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-8.50	-0.0022	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-5.20	-0.0014	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-7.30	-0.0019	$\geq -2.5 \ \& \ \leq 2.5$	Pass

DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	-5.80	-0.0015	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-1.50	-0.0004	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-4.10	-0.0011	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-3.70	-0.0010	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-9.70	-0.0025	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-3.50	-0.0009	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-8.10	-0.0021	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-7.60	-0.0020	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-4.80	-0.0013	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM QPSK	3840	Outer_Full	20	LV	-4.90	-0.0013	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-7.20	-0.0019	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-8.30	-0.0022	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-8.70	-0.0023	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-4.50	-0.0012	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-5.80	-0.0015	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-3.30	-0.0009	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-5.10	-0.0013	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-3.20	-0.0008	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	2.40	0.0006	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-5.90	-0.0015	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	3.90	0.0010	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-5.90	-0.0015	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	3.90	0.0010	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	2.10	0.0005	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-8.20	-0.0021	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-8.30	-0.0022	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-5.50	-0.0014	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	10.30	0.0027	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-18.40	-0.0048	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-12.20	-0.0032	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-25.30	-0.0066	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-11.30	-0.0029	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-20.70	-0.0054	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-23.10	-0.0060	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-27.60	-0.0072	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-23.20	-0.0060	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	LV	-3.50	-0.0009	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-9.00	-0.0023	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-13.10	-0.0034	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-16.90	-0.0044	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-12.50	-0.0033	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-11.10	-0.0029	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-15.00	-0.0039	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-8.30	-0.0022	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-5.50	-0.0014	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-10.70	-0.0028	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-12.40	-0.0032	$\geq -2.5 \ \& \ \leq 2.5$	Pass

2.1.5 15k_SISO_30MHz

5G NR n77a SCS=15kHz SISO 30MHz								
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	-13.00	-0.0034	>=-2.5 & <=2.5	Pass
				HV	-14.70	-0.0038	>=-2.5 & <=2.5	Pass
			-30	NV	-14.30	-0.0037	>=-2.5 & <=2.5	Pass
			-20	NV	-10.60	-0.0028	>=-2.5 & <=2.5	Pass
			-10	NV	-9.30	-0.0024	>=-2.5 & <=2.5	Pass
			0	NV	-8.60	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	-9.40	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-10.50	-0.0027	>=-2.5 & <=2.5	Pass
			30	NV	-10.60	-0.0028	>=-2.5 & <=2.5	Pass
			40	NV	-11.80	-0.0031	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-14.40	-0.0038	>=-2.5 & <=2.5	Pass
				HV	-4.70	-0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	-5.30	-0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-8.80	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	-6.50	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-6.90	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-10.90	-0.0028	>=-2.5 & <=2.5	Pass
			20	NV	-10.90	-0.0028	>=-2.5 & <=2.5	Pass
			30	NV	-10.30	-0.0027	>=-2.5 & <=2.5	Pass
			40	NV	-3.60	-0.0009	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	-4.70	-0.0012	>=-2.5 & <=2.5	Pass
				HV	-6.20	-0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	2.20	0.0006	>=-2.5 & <=2.5	Pass
			-20	NV	6.90	0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-6.00	-0.0016	>=-2.5 & <=2.5	Pass
			0	NV	-6.20	-0.0016	>=-2.5 & <=2.5	Pass
			10	NV	-7.60	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-8.60	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-5.00	-0.0013	>=-2.5 & <=2.5	Pass
			40	NV	-7.00	-0.0018	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass
				HV	-5.80	-0.0015	>=-2.5 & <=2.5	Pass
			-30	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-6.40	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-3.30	-0.0009	>=-2.5 & <=2.5	Pass
			0	NV	-4.30	-0.0011	>=-2.5 & <=2.5	Pass
			10	NV	-4.70	-0.0012	>=-2.5 & <=2.5	Pass
			20	NV	-6.90	-0.0018	>=-2.5 & <=2.5	Pass
			30	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
			40	NV	-6.60	-0.0017	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3840	Outer_Full	20	LV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
				HV	-2.50	-0.0007	>=-2.5 & <=2.5	Pass
			-30	NV	-6.50	-0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	-7.40	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-6.70	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
			20	NV	-6.20	-0.0016	>=-2.5 & <=2.5	Pass
			30	NV	-6.10	-0.0016	>=-2.5 & <=2.5	Pass
			40	NV	-6.50	-0.0017	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	NV	5.60	0.0015	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	-7.80	-0.0020	>=-2.5 & <=2.5	Pass

				HV	5.20	0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-5.30	-0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-1.50	-0.0004	>=-2.5 & <=2.5	Pass
			-10	NV	4.10	0.0011	>=-2.5 & <=2.5	Pass
			0	NV	4.10	0.0011	>=-2.5 & <=2.5	Pass
			10	NV	2.60	0.0007	>=-2.5 & <=2.5	Pass
			20	NV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
			30	NV	-6.00	-0.0016	>=-2.5 & <=2.5	Pass
			40	NV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
			50	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	-26.90	-0.0070	>=-2.5 & <=2.5	Pass
				HV	-28.00	-0.0073	>=-2.5 & <=2.5	Pass
			-30	NV	-31.90	-0.0083	>=-2.5 & <=2.5	Pass
			-20	NV	-24.70	-0.0064	>=-2.5 & <=2.5	Pass
			-10	NV	-35.40	-0.0092	>=-2.5 & <=2.5	Pass
			0	NV	-28.10	-0.0073	>=-2.5 & <=2.5	Pass
			10	NV	-28.90	-0.0075	>=-2.5 & <=2.5	Pass
			20	NV	-26.80	-0.0070	>=-2.5 & <=2.5	Pass
			30	NV	-31.60	-0.0082	>=-2.5 & <=2.5	Pass
			40	NV	-25.60	-0.0067	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	LV	-13.30	-0.0035	>=-2.5 & <=2.5	Pass
				HV	-11.30	-0.0029	>=-2.5 & <=2.5	Pass
			-30	NV	-12.10	-0.0032	>=-2.5 & <=2.5	Pass
			-20	NV	-8.90	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	-12.20	-0.0032	>=-2.5 & <=2.5	Pass
			0	NV	-16.00	-0.0042	>=-2.5 & <=2.5	Pass
			10	NV	-12.00	-0.0031	>=-2.5 & <=2.5	Pass
			20	NV	-10.10	-0.0026	>=-2.5 & <=2.5	Pass
			30	NV	-22.90	-0.0060	>=-2.5 & <=2.5	Pass
			40	NV	-20.40	-0.0053	>=-2.5 & <=2.5	Pass
			50	NV	-15.00	-0.0039	>=-2.5 & <=2.5	Pass

2.1.6 15k_SISO_40MHz

5G NR n77a SCS=15kHz SISO 40MHz								
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	-27.70	-0.0072	>=-2.5 & <=2.5	Pass
				HV	-14.90	-0.0039	>=-2.5 & <=2.5	Pass
			-30	NV	-13.20	-0.0034	>=-2.5 & <=2.5	Pass
			-20	NV	-14.80	-0.0039	>=-2.5 & <=2.5	Pass
			-10	NV	-15.30	-0.0040	>=-2.5 & <=2.5	Pass
			0	NV	-12.30	-0.0032	>=-2.5 & <=2.5	Pass
			10	NV	-10.40	-0.0027	>=-2.5 & <=2.5	Pass
			20	NV	-10.80	-0.0028	>=-2.5 & <=2.5	Pass
			30	NV	-11.30	-0.0029	>=-2.5 & <=2.5	Pass
			40	NV	-44.60	-0.0116	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-14.40	-0.0038	>=-2.5 & <=2.5	Pass
				HV	-14.50	-0.0038	>=-2.5 & <=2.5	Pass
			-30	NV	-12.40	-0.0032	>=-2.5 & <=2.5	Pass
			-20	NV	-14.00	-0.0036	>=-2.5 & <=2.5	Pass
			-10	NV	-10.70	-0.0028	>=-2.5 & <=2.5	Pass
			0	NV	-9.70	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-10.30	-0.0027	>=-2.5 & <=2.5	Pass
			20	NV	-34.10	-0.0089	>=-2.5 & <=2.5	Pass

			30	NV	-22.80	-0.0059	>=-2.5 & <=2.5	Pass
			40	NV	-17.60	-0.0046	>=-2.5 & <=2.5	Pass
			50	NV	-16.40	-0.0043	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	-24.10	-0.0063	>=-2.5 & <=2.5	Pass
				HV	-17.30	-0.0045	>=-2.5 & <=2.5	Pass
			-30	NV	-12.90	-0.0034	>=-2.5 & <=2.5	Pass
			-20	NV	-15.70	-0.0041	>=-2.5 & <=2.5	Pass
			-10	NV	-9.90	-0.0026	>=-2.5 & <=2.5	Pass
			0	NV	-9.90	-0.0026	>=-2.5 & <=2.5	Pass
			10	NV	-11.80	-0.0031	>=-2.5 & <=2.5	Pass
			20	NV	-10.50	-0.0027	>=-2.5 & <=2.5	Pass
			30	NV	-9.10	-0.0024	>=-2.5 & <=2.5	Pass
			40	NV	-30.90	-0.0080	>=-2.5 & <=2.5	Pass
			50	NV	-21.10	-0.0055	>=-2.5 & <=2.5	Pass
			DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	-9.20
HV	-32.00	-0.0083					>=-2.5 & <=2.5	Pass
-30	NV	-24.30				-0.0063	>=-2.5 & <=2.5	Pass
-20	NV	-17.60				-0.0046	>=-2.5 & <=2.5	Pass
-10	NV	-12.20				-0.0032	>=-2.5 & <=2.5	Pass
0	NV	-10.90				-0.0028	>=-2.5 & <=2.5	Pass
10	NV	-10.00				-0.0026	>=-2.5 & <=2.5	Pass
20	NV	-9.80				-0.0026	>=-2.5 & <=2.5	Pass
30	NV	-12.10				-0.0032	>=-2.5 & <=2.5	Pass
40	NV	-12.20				-0.0032	>=-2.5 & <=2.5	Pass
50	NV	-10.40				-0.0027	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3840	Outer_Full				20	LV	-12.00
			HV	-10.90	-0.0028		>=-2.5 & <=2.5	Pass
			-30	NV	-11.90	-0.0031	>=-2.5 & <=2.5	Pass
			-20	NV	-10.30	-0.0027	>=-2.5 & <=2.5	Pass
			-10	NV	-25.80	-0.0067	>=-2.5 & <=2.5	Pass
			0	NV	-25.30	-0.0066	>=-2.5 & <=2.5	Pass
			10	NV	-21.10	-0.0055	>=-2.5 & <=2.5	Pass
			20	NV	-15.40	-0.0040	>=-2.5 & <=2.5	Pass
			30	NV	-16.80	-0.0044	>=-2.5 & <=2.5	Pass
			40	NV	-12.80	-0.0033	>=-2.5 & <=2.5	Pass
			50	NV	-13.50	-0.0035	>=-2.5 & <=2.5	Pass
			CP-OFDM 16 QAM	3840	Outer_Full	20	LV	-29.20
HV	-24.90	-0.0065					>=-2.5 & <=2.5	Pass
-30	NV	-20.20				-0.0053	>=-2.5 & <=2.5	Pass
-20	NV	-16.90				-0.0044	>=-2.5 & <=2.5	Pass
-10	NV	-13.00				-0.0034	>=-2.5 & <=2.5	Pass
0	NV	-15.00				-0.0039	>=-2.5 & <=2.5	Pass
10	NV	-14.20				-0.0037	>=-2.5 & <=2.5	Pass
20	NV	-15.70				-0.0041	>=-2.5 & <=2.5	Pass
30	NV	-14.70				-0.0038	>=-2.5 & <=2.5	Pass
40	NV	-14.00				-0.0036	>=-2.5 & <=2.5	Pass
50	NV	-10.80				-0.0028	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full				20	LV	-29.60
			HV	-30.10	-0.0078		>=-2.5 & <=2.5	Pass
			-30	NV	-27.70	-0.0072	>=-2.5 & <=2.5	Pass
			-20	NV	-33.40	-0.0087	>=-2.5 & <=2.5	Pass
			-10	NV	-21.20	-0.0055	>=-2.5 & <=2.5	Pass
			0	NV	-21.60	-0.0056	>=-2.5 & <=2.5	Pass
			10	NV	-15.60	-0.0041	>=-2.5 & <=2.5	Pass
			20	NV	-15.90	-0.0041	>=-2.5 & <=2.5	Pass
			30	NV	-11.80	-0.0031	>=-2.5 & <=2.5	Pass
			40	NV	-11.70	-0.0030	>=-2.5 & <=2.5	Pass
			50	NV	-23.30	-0.0061	>=-2.5 & <=2.5	Pass
			CP-OFDM 256 QAM	3840	Outer_Full	20	LV	-15.50

				HV	-18.30	-0.0048	>=-2.5 & <=2.5	Pass
			-30	NV	-23.40	-0.0061	>=-2.5 & <=2.5	Pass
			-20	NV	-16.80	-0.0044	>=-2.5 & <=2.5	Pass
			-10	NV	-14.90	-0.0039	>=-2.5 & <=2.5	Pass
			0	NV	-19.10	-0.0050	>=-2.5 & <=2.5	Pass
			10	NV	-13.90	-0.0036	>=-2.5 & <=2.5	Pass
			20	NV	-14.80	-0.0039	>=-2.5 & <=2.5	Pass
			30	NV	-37.20	-0.0097	>=-2.5 & <=2.5	Pass
			40	NV	-28.30	-0.0074	>=-2.5 & <=2.5	Pass
			50	NV	-24.80	-0.0065	>=-2.5 & <=2.5	Pass

2.1.7 15k_SISO_50MHz

5G NR n77a SCS=15kHz SISO 50MHz								
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	9.00	0.0023	>=-2.5 & <=2.5	Pass
				HV	4.20	0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	4.90	0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	3.60	0.0009	>=-2.5 & <=2.5	Pass
			-10	NV	4.70	0.0012	>=-2.5 & <=2.5	Pass
			0	NV	-4.20	-0.0011	>=-2.5 & <=2.5	Pass
			10	NV	4.30	0.0011	>=-2.5 & <=2.5	Pass
			20	NV	6.70	0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-6.30	-0.0016	>=-2.5 & <=2.5	Pass
			40	NV	29.10	0.0076	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	30.50	0.0079	>=-2.5 & <=2.5	Pass
				HV	16.80	0.0044	>=-2.5 & <=2.5	Pass
			-30	NV	13.90	0.0036	>=-2.5 & <=2.5	Pass
			-20	NV	8.30	0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	3.60	0.0009	>=-2.5 & <=2.5	Pass
			0	NV	3.80	0.0010	>=-2.5 & <=2.5	Pass
			10	NV	3.30	0.0009	>=-2.5 & <=2.5	Pass
			20	NV	-2.30	-0.0006	>=-2.5 & <=2.5	Pass
			30	NV	5.70	0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	6.10	0.0016	>=-2.5 & <=2.5	Pass
				HV	-4.20	-0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	2.70	0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	3.80	0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	40.10	0.0104	>=-2.5 & <=2.5	Pass
			0	NV	13.20	0.0034	>=-2.5 & <=2.5	Pass
			10	NV	11.00	0.0029	>=-2.5 & <=2.5	Pass
			20	NV	7.70	0.0020	>=-2.5 & <=2.5	Pass
			30	NV	6.10	0.0016	>=-2.5 & <=2.5	Pass
			40	NV	1.80	0.0005	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	16.80	0.0044	>=-2.5 & <=2.5	Pass
				HV	7.70	0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	5.80	0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	5.70	0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	2.70	0.0007	>=-2.5 & <=2.5	Pass
			0	NV	2.00	0.0005	>=-2.5 & <=2.5	Pass
			10	NV	3.20	0.0008	>=-2.5 & <=2.5	Pass
			20	NV	1.90	0.0005	>=-2.5 & <=2.5	Pass

			30	NV	-4.30	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			40	NV	0.50	0.0001	≥ -2.5 & ≤ 2.5	Pass
			50	NV	25.70	0.0067	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	3840	Outer_Full	20	LV	-3.80	-0.0010	≥ -2.5 & ≤ 2.5	Pass
				HV	3.90	0.0010	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-2.80	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	3.30	0.0009	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	1.80	0.0005	≥ -2.5 & ≤ 2.5	Pass
			0	NV	25.00	0.0065	≥ -2.5 & ≤ 2.5	Pass
			10	NV	25.40	0.0066	≥ -2.5 & ≤ 2.5	Pass
			20	NV	18.50	0.0048	≥ -2.5 & ≤ 2.5	Pass
			30	NV	13.30	0.0035	≥ -2.5 & ≤ 2.5	Pass
			40	NV	11.90	0.0031	≥ -2.5 & ≤ 2.5	Pass
			50	NV	8.00	0.0021	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	2.90	0.0008	≥ -2.5 & ≤ 2.5	Pass
				HV	1.60	0.0004	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-4.50	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	3.30	0.0009	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-2.40	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-4.20	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			10	NV	4.40	0.0011	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-3.50	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			30	NV	1.70	0.0004	≥ -2.5 & ≤ 2.5	Pass
			40	NV	1.90	0.0005	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-2.20	-0.0006	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	-5.50	-0.0014	≥ -2.5 & ≤ 2.5	Pass
				HV	-2.50	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-4.80	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-2.00	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-2.90	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-2.00	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.90	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-3.40	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-1.20	-0.0003	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-8.80	-0.0023	≥ -2.5 & ≤ 2.5	Pass
			50	NV	4.40	0.0011	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	LV	-6.50	-0.0017	≥ -2.5 & ≤ 2.5	Pass
				HV	-15.30	-0.0040	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-8.60	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-7.10	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-11.70	-0.0030	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-9.20	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-6.90	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-9.00	-0.0023	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-10.80	-0.0028	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-10.30	-0.0027	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-5.20	-0.0014	≥ -2.5 & ≤ 2.5	Pass

2.1.8 30k_SISO_10MHz

5G NR n77a SCS=30kHz SISO 10MHz								
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	-5.00	-0.0013	≥ -2.5 & ≤ 2.5	Pass
				HV	-3.70	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	2.90	0.0008	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-2.70	-0.0007	≥ -2.5 & ≤ 2.5	Pass

			-10	NV	-8.00	-0.0021	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-3.00	-0.0008	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	1.00	0.0003	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-2.70	-0.0007	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	1.20	0.0003	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-2.10	-0.0005	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-3.50	-0.0009	$\geq -2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	3.60	0.0009	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	3.70	0.0010	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-2.30	-0.0006	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	1.40	0.0004	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-0.90	-0.0002	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-4.00	-0.0010	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-3.40	-0.0009	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	1.60	0.0004	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	5.90	0.0015	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	2.10	0.0005	$\geq -2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	50	NV	-6.00	-0.0016	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	LV	-1.40	-0.0004	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	4.40	0.0011	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	1.30	0.0003	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	5.20	0.0014	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	5.00	0.0013	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	2.80	0.0007	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	2.50	0.0007	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-2.30	-0.0006	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-2.30	-0.0006	$\geq -2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	40	NV	-4.20	-0.0011	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	2.20	0.0006	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	LV	4.10	0.0011	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	6.10	0.0016	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	4.20	0.0011	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	5.50	0.0014	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-1.70	-0.0004	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-1.40	-0.0004	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	1.40	0.0004	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-1.10	-0.0003	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM QPSK	3840	Outer_Full	30	NV	2.60	0.0007	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	4.00	0.0010	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	1.70	0.0004	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	LV	-4.70	-0.0012	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-5.90	-0.0015	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-4.80	-0.0013	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-2.50	-0.0007	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-4.90	-0.0013	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-5.60	-0.0015	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-3.20	-0.0008	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	NV	-3.40	-0.0009	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-5.60	-0.0015	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-4.10	-0.0011	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-5.30	-0.0014	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	LV	5.60	0.0015	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	8.20	0.0021	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	6.90	0.0018	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-4.20	-0.0011	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	4.70	0.0012	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	6.60	0.0017	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	8.70	0.0023	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	3.20	0.0008	$\geq -2.5 \ \& \ \leq 2.5$	Pass

			30	NV	5.70	0.0015	≥ -2.5 & ≤ 2.5	Pass
			40	NV	6.50	0.0017	≥ -2.5 & ≤ 2.5	Pass
			50	NV	6.50	0.0017	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	-103.60	-0.0270	≥ -2.5 & ≤ 2.5	Pass
				HV	-95.50	-0.0249	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-46.10	-0.0120	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-52.50	-0.0137	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-82.20	-0.0214	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-54.30	-0.0141	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-76.90	-0.0200	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-51.40	-0.0134	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-38.80	-0.0101	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-38.20	-0.0099	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-39.50	-0.0103	≥ -2.5 & ≤ 2.5	Pass
			CP-OFDM 256 QAM	3840	Outer_Full	20	LV	-11.80
HV	-18.00	-0.0047					≥ -2.5 & ≤ 2.5	Pass
-30	NV	-17.10				-0.0045	≥ -2.5 & ≤ 2.5	Pass
-20	NV	-25.20				-0.0066	≥ -2.5 & ≤ 2.5	Pass
-10	NV	-21.00				-0.0055	≥ -2.5 & ≤ 2.5	Pass
0	NV	-14.00				-0.0036	≥ -2.5 & ≤ 2.5	Pass
10	NV	-12.50				-0.0033	≥ -2.5 & ≤ 2.5	Pass
20	NV	15.50				0.0040	≥ -2.5 & ≤ 2.5	Pass
30	NV	22.70				0.0059	≥ -2.5 & ≤ 2.5	Pass
40	NV	-21.70				-0.0057	≥ -2.5 & ≤ 2.5	Pass
50	NV	-34.40				-0.0090	≥ -2.5 & ≤ 2.5	Pass

2.1.9 30k_SISO_15MHz

5G NR n77a SCS=30kHz SISO 15MHz								
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	-1.70	-0.0004	≥ -2.5 & ≤ 2.5	Pass
				HV	-2.50	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-2.90	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	2.20	0.0006	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-2.40	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			0	NV	3.60	0.0009	≥ -2.5 & ≤ 2.5	Pass
			10	NV	4.90	0.0013	≥ -2.5 & ≤ 2.5	Pass
			20	NV	2.60	0.0007	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-2.30	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			40	NV	3.10	0.0008	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	3.10	0.0008	≥ -2.5 & ≤ 2.5	Pass
				HV	2.30	0.0006	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.00	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-2.20	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	1.40	0.0004	≥ -2.5 & ≤ 2.5	Pass
			0	NV	1.20	0.0003	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.80	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			20	NV	4.40	0.0011	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-4.30	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.70	-0.0010	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	2.70	0.0007	≥ -2.5 & ≤ 2.5	Pass
				HV	3.20	0.0008	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	2.00	0.0005	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-2.60	-0.0007	≥ -2.5 & ≤ 2.5	Pass

			-10	NV	-2.10	-0.0005	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	1.70	0.0004	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	2.50	0.0007	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-2.10	-0.0005	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	3.70	0.0010	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	3.10	0.0008	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-2.00	-0.0005	$\geq -2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	3.40	0.0009	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-2.20	-0.0006	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-3.90	-0.0010	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	0.80	0.0002	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-2.60	-0.0007	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-2.10	-0.0005	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-2.30	-0.0006	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	2.60	0.0007	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-3.30	-0.0009	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-6.00	-0.0016	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM QPSK	3840	Outer_Full	20	LV	-6.90	-0.0018	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-4.50	-0.0012	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-3.10	-0.0008	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-4.30	-0.0011	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	2.10	0.0005	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-4.40	-0.0011	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-7.40	-0.0019	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-3.40	-0.0009	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-4.20	-0.0011	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-1.90	-0.0005	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	6.60	0.0017	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	6.00	0.0016	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	10.70	0.0028	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	6.10	0.0016	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	8.40	0.0022	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	8.20	0.0021	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-7.20	-0.0019	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	7.10	0.0018	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	7.30	0.0019	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	9.00	0.0023	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	-43.10	-0.0112	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-69.70	-0.0182	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-17.70	-0.0046	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-33.70	-0.0088	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-64.60	-0.0168	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	85.20	0.0222	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-82.90	-0.0216	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	10.50	0.0027	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	36.40	0.0095	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	27.20	0.0071	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	LV	-33.10	-0.0086	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-27.50	-0.0072	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-30.10	-0.0078	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-24.30	-0.0063	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-26.00	-0.0068	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-45.70	-0.0119	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-31.40	-0.0082	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-37.10	-0.0097	$\geq -2.5 \ \& \ \leq 2.5$	Pass

			30	NV	-29.70	-0.0077	>=-2.5 & <=2.5	Pass
			40	NV	-16.90	-0.0044	>=-2.5 & <=2.5	Pass
			50	NV	-25.60	-0.0067	>=-2.5 & <=2.5	Pass

2.1.10 30k_SISO_20MHz

5G NR n77a SCS=30kHz SISO 20MHz								
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	-4.40	-0.0011	>=-2.5 & <=2.5	Pass
				HV	5.50	0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-1.80	-0.0005	>=-2.5 & <=2.5	Pass
			-20	NV	2.60	0.0007	>=-2.5 & <=2.5	Pass
			-10	NV	0.90	0.0002	>=-2.5 & <=2.5	Pass
			0	NV	2.80	0.0007	>=-2.5 & <=2.5	Pass
			10	NV	-2.60	-0.0007	>=-2.5 & <=2.5	Pass
			20	NV	3.40	0.0009	>=-2.5 & <=2.5	Pass
			30	NV	-3.50	-0.0009	>=-2.5 & <=2.5	Pass
			40	NV	4.10	0.0011	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-0.80	-0.0002	>=-2.5 & <=2.5	Pass
				HV	-5.30	-0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	1.70	0.0004	>=-2.5 & <=2.5	Pass
			-20	NV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
			0	NV	-2.40	-0.0006	>=-2.5 & <=2.5	Pass
			10	NV	2.60	0.0007	>=-2.5 & <=2.5	Pass
			20	NV	-2.40	-0.0006	>=-2.5 & <=2.5	Pass
			30	NV	2.70	0.0007	>=-2.5 & <=2.5	Pass
			40	NV	-3.10	-0.0008	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	1.10	0.0003	>=-2.5 & <=2.5	Pass
				HV	-1.30	-0.0003	>=-2.5 & <=2.5	Pass
			-30	NV	2.60	0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	-1.30	-0.0003	>=-2.5 & <=2.5	Pass
			-10	NV	3.40	0.0009	>=-2.5 & <=2.5	Pass
			0	NV	3.80	0.0010	>=-2.5 & <=2.5	Pass
			10	NV	2.40	0.0006	>=-2.5 & <=2.5	Pass
			20	NV	1.30	0.0003	>=-2.5 & <=2.5	Pass
			30	NV	1.90	0.0005	>=-2.5 & <=2.5	Pass
			40	NV	-3.60	-0.0009	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	-1.80	-0.0005	>=-2.5 & <=2.5	Pass
				HV	-1.80	-0.0005	>=-2.5 & <=2.5	Pass
			-30	NV	3.60	0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-1.50	-0.0004	>=-2.5 & <=2.5	Pass
			-10	NV	5.90	0.0015	>=-2.5 & <=2.5	Pass
			0	NV	2.10	0.0005	>=-2.5 & <=2.5	Pass
			10	NV	2.90	0.0008	>=-2.5 & <=2.5	Pass
			20	NV	2.40	0.0006	>=-2.5 & <=2.5	Pass
			30	NV	3.20	0.0008	>=-2.5 & <=2.5	Pass
			40	NV	3.00	0.0008	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3840	Outer_Full	20	NV	4.40	0.0011	>=-2.5 & <=2.5	Pass
				LV	-5.10	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-2.90	-0.0008	>=-2.5 & <=2.5	Pass
			-20	NV	-3.10	-0.0008	>=-2.5 & <=2.5	Pass

			-10	NV	-4.20	-0.0011	>=-2.5 & <=2.5	Pass
			0	NV	-6.60	-0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-4.60	-0.0012	>=-2.5 & <=2.5	Pass
			20	NV	-1.80	-0.0005	>=-2.5 & <=2.5	Pass
			30	NV	-1.20	-0.0003	>=-2.5 & <=2.5	Pass
			40	NV	-5.00	-0.0013	>=-2.5 & <=2.5	Pass
			50	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	-18.60	-0.0048	>=-2.5 & <=2.5	Pass
				HV	-16.40	-0.0043	>=-2.5 & <=2.5	Pass
			-30	NV	-20.20	-0.0053	>=-2.5 & <=2.5	Pass
			-20	NV	-18.60	-0.0048	>=-2.5 & <=2.5	Pass
			-10	NV	-18.60	-0.0048	>=-2.5 & <=2.5	Pass
			0	NV	-20.50	-0.0053	>=-2.5 & <=2.5	Pass
			10	NV	-19.80	-0.0052	>=-2.5 & <=2.5	Pass
			20	NV	-16.70	-0.0043	>=-2.5 & <=2.5	Pass
			30	NV	-17.70	-0.0046	>=-2.5 & <=2.5	Pass
			40	NV	-19.80	-0.0052	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	50	NV	-20.30	-0.0053	>=-2.5 & <=2.5	Pass
			20	LV	-85.80	-0.0223	>=-2.5 & <=2.5	Pass
				HV	-50.70	-0.0132	>=-2.5 & <=2.5	Pass
			-30	NV	-112.30	-0.0292	>=-2.5 & <=2.5	Pass
			-20	NV	-70.70	-0.0184	>=-2.5 & <=2.5	Pass
			-10	NV	-60.90	-0.0159	>=-2.5 & <=2.5	Pass
			0	NV	-36.40	-0.0095	>=-2.5 & <=2.5	Pass
			10	NV	-80.50	-0.0210	>=-2.5 & <=2.5	Pass
			20	NV	-54.00	-0.0141	>=-2.5 & <=2.5	Pass
			30	NV	-64.50	-0.0168	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	40	NV	-80.40	-0.0209	>=-2.5 & <=2.5	Pass
			50	NV	-51.10	-0.0133	>=-2.5 & <=2.5	Pass
			20	LV	5.00	0.0013	>=-2.5 & <=2.5	Pass
				HV	-20.60	-0.0054	>=-2.5 & <=2.5	Pass
			-30	NV	-44.40	-0.0116	>=-2.5 & <=2.5	Pass
			-20	NV	-33.70	-0.0088	>=-2.5 & <=2.5	Pass
			-10	NV	-5.50	-0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-25.30	-0.0066	>=-2.5 & <=2.5	Pass
			10	NV	-12.60	-0.0033	>=-2.5 & <=2.5	Pass
			20	NV	-28.90	-0.0075	>=-2.5 & <=2.5	Pass
			30	NV	3.50	0.0009	>=-2.5 & <=2.5	Pass
			40	NV	-18.20	-0.0047	>=-2.5 & <=2.5	Pass
			50	NV	-20.10	-0.0052	>=-2.5 & <=2.5	Pass

2.1.11 30k_SISO_25MHz

5G NR n77a SCS=30kHz SISO 25MHz								
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	-5.40	-0.0014	>=-2.5 & <=2.5	Pass
				HV	-4.20	-0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	-3.50	-0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-5.50	-0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	-1.60	-0.0004	>=-2.5 & <=2.5	Pass
			0	NV	4.80	0.0013	>=-2.5 & <=2.5	Pass
			10	NV	0.90	0.0002	>=-2.5 & <=2.5	Pass
			20	NV	1.60	0.0004	>=-2.5 & <=2.5	Pass
			30	NV	3.20	0.0008	>=-2.5 & <=2.5	Pass
			40	NV	-2.30	-0.0006	>=-2.5 & <=2.5	Pass
			50	NV	4.90	0.0013	>=-2.5 & <=2.5	Pass

DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-5.40	-0.0014	>=-2.5 & <=2.5	Pass
				HV	3.20	0.0008	>=-2.5 & <=2.5	Pass
			-30	NV	2.50	0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	6.70	0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-1.60	-0.0004	>=-2.5 & <=2.5	Pass
			0	NV	1.90	0.0005	>=-2.5 & <=2.5	Pass
			10	NV	-4.90	-0.0013	>=-2.5 & <=2.5	Pass
			20	NV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
			30	NV	-0.90	-0.0002	>=-2.5 & <=2.5	Pass
			40	NV	3.20	0.0008	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	1.70	0.0004	>=-2.5 & <=2.5	Pass
				HV	4.60	0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	-4.00	-0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	2.70	0.0007	>=-2.5 & <=2.5	Pass
			-10	NV	4.50	0.0012	>=-2.5 & <=2.5	Pass
			0	NV	0.40	0.0001	>=-2.5 & <=2.5	Pass
			10	NV	2.70	0.0007	>=-2.5 & <=2.5	Pass
			20	NV	3.80	0.0010	>=-2.5 & <=2.5	Pass
			30	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
			40	NV	-2.20	-0.0006	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	1.60	0.0004	>=-2.5 & <=2.5	Pass
				HV	-1.60	-0.0004	>=-2.5 & <=2.5	Pass
			-30	NV	3.00	0.0008	>=-2.5 & <=2.5	Pass
			-20	NV	2.80	0.0007	>=-2.5 & <=2.5	Pass
			-10	NV	0.70	0.0002	>=-2.5 & <=2.5	Pass
			0	NV	-3.60	-0.0009	>=-2.5 & <=2.5	Pass
			10	NV	-2.60	-0.0007	>=-2.5 & <=2.5	Pass
			20	NV	-1.90	-0.0005	>=-2.5 & <=2.5	Pass
			30	NV	3.90	0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-5.80	-0.0015	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3840	Outer_Full	20	LV	-3.90	-0.0010	>=-2.5 & <=2.5	Pass
				HV	-2.70	-0.0007	>=-2.5 & <=2.5	Pass
			-30	NV	-4.20	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	-6.10	-0.0016	>=-2.5 & <=2.5	Pass
			0	NV	-3.90	-0.0010	>=-2.5 & <=2.5	Pass
			10	NV	-6.90	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-2.10	-0.0005	>=-2.5 & <=2.5	Pass
			30	NV	-5.10	-0.0013	>=-2.5 & <=2.5	Pass
			40	NV	-2.90	-0.0008	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	5.50	0.0014	>=-2.5 & <=2.5	Pass
				HV	6.00	0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	5.30	0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	5.40	0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	2.70	0.0007	>=-2.5 & <=2.5	Pass
			0	NV	3.80	0.0010	>=-2.5 & <=2.5	Pass
			10	NV	-1.50	-0.0004	>=-2.5 & <=2.5	Pass
			20	NV	5.80	0.0015	>=-2.5 & <=2.5	Pass
			30	NV	6.70	0.0017	>=-2.5 & <=2.5	Pass
			40	NV	-2.90	-0.0008	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	-98.10	-0.0255	>=-2.5 & <=2.5	Pass
				HV	-36.10	-0.0094	>=-2.5 & <=2.5	Pass
			-30	NV	-39.90	-0.0104	>=-2.5 & <=2.5	Pass
			-20	NV	-62.20	-0.0162	>=-2.5 & <=2.5	Pass

			-10	NV	-53.50	-0.0139	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-84.40	-0.0220	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-26.80	-0.0070	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-74.70	-0.0195	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-2.70	-0.0007	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-5.10	-0.0013	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-6.20	-0.0016	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	LV	-40.80	-0.0106	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-40.10	-0.0104	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-49.50	-0.0129	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-39.20	-0.0102	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-40.50	-0.0105	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-42.60	-0.0111	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-40.00	-0.0104	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-33.30	-0.0087	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-39.20	-0.0102	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-47.30	-0.0123	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-41.90	-0.0109	$\geq -2.5 \ \& \ \leq 2.5$	Pass

2.1.12 30k_SISO_30MHz

5G NR n77a SCS=30kHz SISO 30MHz								
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	-2.60	-0.0007	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-3.60	-0.0009	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-3.00	-0.0008	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-4.50	-0.0012	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-3.00	-0.0008	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	3.40	0.0009	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	2.10	0.0005	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-4.30	-0.0011	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	5.10	0.0013	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-1.50	-0.0004	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	6.70	0.0017	$\geq -2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-3.50	-0.0009	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	1.20	0.0003	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-3.20	-0.0008	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-2.60	-0.0007	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	2.30	0.0006	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-0.10	0.0000	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-2.70	-0.0007	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-0.90	-0.0002	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	4.80	0.0013	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-4.50	-0.0012	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	2.30	0.0006	$\geq -2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	2.20	0.0006	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-1.00	-0.0003	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-2.80	-0.0007	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-7.60	-0.0020	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	3.60	0.0009	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	4.70	0.0012	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-4.30	-0.0011	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	1.20	0.0003	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-4.40	-0.0011	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	3.20	0.0008	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-4.80	-0.0013	$\geq -2.5 \ \& \ \leq 2.5$	Pass

DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	3.60	0.0009	≥ -2.5 & ≤ 2.5	Pass
				HV	3.60	0.0009	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	0.10	0.0000	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	1.50	0.0004	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	4.00	0.0010	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.00	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			10	NV	4.20	0.0011	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-3.30	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			30	NV	2.60	0.0007	≥ -2.5 & ≤ 2.5	Pass
			40	NV	1.90	0.0005	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	3840	Outer_Full	20	LV	-2.30	-0.0006	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.30	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.00	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-4.50	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-4.30	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.10	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-5.00	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.10	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-4.20	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.90	-0.0010	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	4.00	0.0010	≥ -2.5 & ≤ 2.5	Pass
				HV	5.30	0.0014	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	2.50	0.0007	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	3.90	0.0010	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	2.50	0.0007	≥ -2.5 & ≤ 2.5	Pass
			0	NV	3.30	0.0009	≥ -2.5 & ≤ 2.5	Pass
			10	NV	3.00	0.0008	≥ -2.5 & ≤ 2.5	Pass
			20	NV	6.00	0.0016	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-2.60	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			40	NV	3.40	0.0009	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	-57.60	-0.0150	≥ -2.5 & ≤ 2.5	Pass
				HV	-61.70	-0.0161	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-87.90	-0.0229	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-61.50	-0.0160	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-52.50	-0.0137	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-51.60	-0.0134	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-49.80	-0.0130	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-51.20	-0.0133	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-48.60	-0.0127	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-47.10	-0.0123	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	LV	11.50	0.0030	≥ -2.5 & ≤ 2.5	Pass
				HV	12.60	0.0033	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-17.60	-0.0046	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-5.10	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-6.00	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-10.90	-0.0028	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-16.80	-0.0044	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-5.70	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-9.40	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-20.50	-0.0053	≥ -2.5 & ≤ 2.5	Pass
			50	NV	11.30	0.0029	≥ -2.5 & ≤ 2.5	Pass

2.1.13 30k_SISO_40MHz

5G NR n77a SCS=30kHz SISO 40MHz								
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	-6.80	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-3.70	-0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	-1.90	-0.0005	>=-2.5 & <=2.5	Pass
			-20	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	-3.00	-0.0008	>=-2.5 & <=2.5	Pass
			0	NV	-2.40	-0.0006	>=-2.5 & <=2.5	Pass
			10	NV	-3.00	-0.0008	>=-2.5 & <=2.5	Pass
			20	NV	4.20	0.0011	>=-2.5 & <=2.5	Pass
			30	NV	2.20	0.0006	>=-2.5 & <=2.5	Pass
			40	NV	-5.80	-0.0015	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-2.30	-0.0006	>=-2.5 & <=2.5	Pass
				HV	-2.00	-0.0005	>=-2.5 & <=2.5	Pass
			-30	NV	3.50	0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-1.80	-0.0005	>=-2.5 & <=2.5	Pass
			-10	NV	-3.20	-0.0008	>=-2.5 & <=2.5	Pass
			0	NV	-0.50	-0.0001	>=-2.5 & <=2.5	Pass
			10	NV	-1.40	-0.0004	>=-2.5 & <=2.5	Pass
			20	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
			30	NV	-4.00	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	4.00	0.0010	>=-2.5 & <=2.5	Pass
				HV	5.30	0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	3.70	0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	1.70	0.0004	>=-2.5 & <=2.5	Pass
			-10	NV	5.40	0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-3.20	-0.0008	>=-2.5 & <=2.5	Pass
			10	NV	2.00	0.0005	>=-2.5 & <=2.5	Pass
			20	NV	2.20	0.0006	>=-2.5 & <=2.5	Pass
			30	NV	3.50	0.0009	>=-2.5 & <=2.5	Pass
			40	NV	4.60	0.0012	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	2.90	0.0008	>=-2.5 & <=2.5	Pass
				HV	4.20	0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	-3.00	-0.0008	>=-2.5 & <=2.5	Pass
			-20	NV	4.80	0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	4.80	0.0013	>=-2.5 & <=2.5	Pass
			0	NV	1.70	0.0004	>=-2.5 & <=2.5	Pass
			10	NV	-2.60	-0.0007	>=-2.5 & <=2.5	Pass
			20	NV	4.50	0.0012	>=-2.5 & <=2.5	Pass
			30	NV	3.70	0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-4.40	-0.0011	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3840	Outer_Full	20	LV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
				HV	-5.40	-0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-6.10	-0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	-7.60	-0.0020	>=-2.5 & <=2.5	Pass
			-10	NV	-4.90	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	-6.80	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-6.80	-0.0018	>=-2.5 & <=2.5	Pass
			30	NV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	NV	-5.00	-0.0013	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	-15.30	-0.0040	>=-2.5 & <=2.5	Pass

				HV	-10.50	-0.0027	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-23.10	-0.0060	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-18.30	-0.0048	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-22.00	-0.0057	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-20.60	-0.0054	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-18.80	-0.0049	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-16.80	-0.0044	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-19.20	-0.0050	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-19.10	-0.0050	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-20.60	-0.0054	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	-24.10	-0.0063	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-17.20	-0.0045	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-19.40	-0.0051	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	21.60	0.0056	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-17.30	-0.0045	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	5.80	0.0015	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-16.30	-0.0042	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-22.10	-0.0058	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-10.90	-0.0028	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	29.00	0.0076	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	LV	16.30	0.0042	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	26.80	0.0070	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	19.60	0.0051	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	19.20	0.0050	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	8.20	0.0021	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	16.70	0.0043	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-4.80	-0.0013	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	23.00	0.0060	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	5.00	0.0013	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	11.00	0.0029	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	12.50	0.0033	$\geq -2.5 \ \& \ \leq 2.5$	Pass

2.1.14 30k_SISO_50MHz

5G NR n77a SCS=30kHz SISO 50MHz								
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	-4.80	-0.0013	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-3.70	-0.0010	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-3.70	-0.0010	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-6.40	-0.0017	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	1.80	0.0005	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-6.30	-0.0016	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-2.50	-0.0007	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-1.50	-0.0004	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-2.40	-0.0006	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	2.70	0.0007	$\geq -2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	4.00	0.0010	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-1.50	-0.0004	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-2.80	-0.0007	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-3.30	-0.0009	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	4.60	0.0012	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-1.70	-0.0004	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-1.30	-0.0003	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-1.60	-0.0004	$\geq -2.5 \ \& \ \leq 2.5$	Pass

			30	NV	4.50	0.0012	>=-2.5 & <=2.5	Pass
			40	NV	-4.30	-0.0011	>=-2.5 & <=2.5	Pass
			50	NV	-2.80	-0.0007	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	3.60	0.0009	>=-2.5 & <=2.5	Pass
				HV	4.40	0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	4.10	0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-6.20	-0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	2.00	0.0005	>=-2.5 & <=2.5	Pass
			0	NV	6.90	0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-1.60	-0.0004	>=-2.5 & <=2.5	Pass
			20	NV	-2.50	-0.0007	>=-2.5 & <=2.5	Pass
			30	NV	-2.60	-0.0007	>=-2.5 & <=2.5	Pass
			40	NV	-2.60	-0.0007	>=-2.5 & <=2.5	Pass
			50	NV	2.60	0.0007	>=-2.5 & <=2.5	Pass
			DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	2.30
HV	-2.90	-0.0008					>=-2.5 & <=2.5	Pass
-30	NV	2.50				0.0007	>=-2.5 & <=2.5	Pass
-20	NV	-1.50				-0.0004	>=-2.5 & <=2.5	Pass
-10	NV	4.70				0.0012	>=-2.5 & <=2.5	Pass
0	NV	2.30				0.0006	>=-2.5 & <=2.5	Pass
10	NV	5.70				0.0015	>=-2.5 & <=2.5	Pass
20	NV	2.30				0.0006	>=-2.5 & <=2.5	Pass
30	NV	4.10				0.0011	>=-2.5 & <=2.5	Pass
40	NV	-6.40				-0.0017	>=-2.5 & <=2.5	Pass
50	NV	-3.20				-0.0008	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3840	Outer_Full				20	LV	-5.00
			HV	-5.50	-0.0014		>=-2.5 & <=2.5	Pass
			-30	NV	-6.00	-0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	-4.90	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-4.50	-0.0012	>=-2.5 & <=2.5	Pass
			0	NV	-3.00	-0.0008	>=-2.5 & <=2.5	Pass
			10	NV	-8.80	-0.0023	>=-2.5 & <=2.5	Pass
			20	NV	-6.20	-0.0016	>=-2.5 & <=2.5	Pass
			30	NV	-3.60	-0.0009	>=-2.5 & <=2.5	Pass
			40	NV	0.90	0.0002	>=-2.5 & <=2.5	Pass
			50	NV	-6.50	-0.0017	>=-2.5 & <=2.5	Pass
			CP-OFDM 16 QAM	3840	Outer_Full	20	LV	-2.40
HV	5.00	0.0013					>=-2.5 & <=2.5	Pass
-30	NV	2.50				0.0007	>=-2.5 & <=2.5	Pass
-20	NV	-4.80				-0.0013	>=-2.5 & <=2.5	Pass
-10	NV	-2.50				-0.0007	>=-2.5 & <=2.5	Pass
0	NV	-3.70				-0.0010	>=-2.5 & <=2.5	Pass
10	NV	-4.40				-0.0011	>=-2.5 & <=2.5	Pass
20	NV	9.20				0.0024	>=-2.5 & <=2.5	Pass
30	NV	7.40				0.0019	>=-2.5 & <=2.5	Pass
40	NV	8.20				0.0021	>=-2.5 & <=2.5	Pass
50	NV	4.30				0.0011	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full				20	LV	-62.90
			HV	-63.50	-0.0165		>=-2.5 & <=2.5	Pass
			-30	NV	-63.60	-0.0166	>=-2.5 & <=2.5	Pass
			-20	NV	-66.80	-0.0174	>=-2.5 & <=2.5	Pass
			-10	NV	-65.80	-0.0171	>=-2.5 & <=2.5	Pass
			0	NV	-44.80	-0.0117	>=-2.5 & <=2.5	Pass
			10	NV	-57.70	-0.0150	>=-2.5 & <=2.5	Pass
			20	NV	-42.40	-0.0110	>=-2.5 & <=2.5	Pass
			30	NV	-56.90	-0.0148	>=-2.5 & <=2.5	Pass
			40	NV	-51.30	-0.0134	>=-2.5 & <=2.5	Pass
			50	NV	-30.60	-0.0080	>=-2.5 & <=2.5	Pass
			CP-OFDM 256 QAM	3840	Outer_Full	20	LV	-10.80

				HV	-27.20	-0.0071	>=-2.5 & <=2.5	Pass
			-30	NV	-23.30	-0.0061	>=-2.5 & <=2.5	Pass
			-20	NV	-14.30	-0.0037	>=-2.5 & <=2.5	Pass
			-10	NV	-13.60	-0.0035	>=-2.5 & <=2.5	Pass
			0	NV	-14.00	-0.0036	>=-2.5 & <=2.5	Pass
			10	NV	-6.90	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-23.30	-0.0061	>=-2.5 & <=2.5	Pass
			30	NV	-25.40	-0.0066	>=-2.5 & <=2.5	Pass
			40	NV	-15.70	-0.0041	>=-2.5 & <=2.5	Pass
			50	NV	-20.10	-0.0052	>=-2.5 & <=2.5	Pass

2.1.15 30k_SISO_60MHz

5G NR n77a SCS=30kHz SISO 60MHz								
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	-6.60	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-8.70	-0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	-4.40	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	4.20	0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	-2.20	-0.0006	>=-2.5 & <=2.5	Pass
			0	NV	1.10	0.0003	>=-2.5 & <=2.5	Pass
			10	NV	-4.40	-0.0011	>=-2.5 & <=2.5	Pass
			20	NV	-2.60	-0.0007	>=-2.5 & <=2.5	Pass
			30	NV	-2.60	-0.0007	>=-2.5 & <=2.5	Pass
			40	NV	-1.00	-0.0003	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-2.70	-0.0007	>=-2.5 & <=2.5	Pass
				HV	-2.90	-0.0008	>=-2.5 & <=2.5	Pass
			-30	NV	3.40	0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	1.60	0.0004	>=-2.5 & <=2.5	Pass
			-10	NV	1.00	0.0003	>=-2.5 & <=2.5	Pass
			0	NV	-0.80	-0.0002	>=-2.5 & <=2.5	Pass
			10	NV	-5.00	-0.0013	>=-2.5 & <=2.5	Pass
			20	NV	2.90	0.0008	>=-2.5 & <=2.5	Pass
			30	NV	2.10	0.0005	>=-2.5 & <=2.5	Pass
			40	NV	1.20	0.0003	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	4.20	0.0011	>=-2.5 & <=2.5	Pass
				HV	-2.40	-0.0006	>=-2.5 & <=2.5	Pass
			-30	NV	5.00	0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	-1.90	-0.0005	>=-2.5 & <=2.5	Pass
			-10	NV	4.50	0.0012	>=-2.5 & <=2.5	Pass
			0	NV	5.10	0.0013	>=-2.5 & <=2.5	Pass
			10	NV	5.80	0.0015	>=-2.5 & <=2.5	Pass
			20	NV	6.80	0.0018	>=-2.5 & <=2.5	Pass
			30	NV	2.80	0.0007	>=-2.5 & <=2.5	Pass
			40	NV	2.90	0.0008	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	4.90	0.0013	>=-2.5 & <=2.5	Pass
				HV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	-3.60	-0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-3.90	-0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	-6.60	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	2.10	0.0005	>=-2.5 & <=2.5	Pass
			10	NV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
			20	NV	2.80	0.0007	>=-2.5 & <=2.5	Pass

			30	NV	1.30	0.0003	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-1.90	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-2.80	-0.0007	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	3840	Outer_Full	20	LV	-4.70	-0.0012	≥ -2.5 & ≤ 2.5	Pass
				HV	-3.20	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-5.80	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-4.00	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.20	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-4.90	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.90	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-7.60	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-6.20	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			40	NV	1.70	0.0004	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-1.50	-0.0004	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	-3.00	-0.0008	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.90	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.40	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	2.10	0.0005	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.90	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-5.00	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.90	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-8.80	-0.0023	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-4.40	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-6.00	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-3.60	-0.0009	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	-66.10	-0.0172	≥ -2.5 & ≤ 2.5	Pass
				HV	-52.10	-0.0136	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-79.80	-0.0208	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-76.10	-0.0198	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-68.10	-0.0177	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-85.70	-0.0223	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-74.60	-0.0194	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-67.70	-0.0176	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-72.80	-0.0190	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-67.20	-0.0175	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-80.00	-0.0208	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	LV	-15.90	-0.0041	≥ -2.5 & ≤ 2.5	Pass
				HV	-15.60	-0.0041	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-24.80	-0.0065	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-19.40	-0.0051	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-29.40	-0.0077	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-12.00	-0.0031	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-12.80	-0.0033	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-15.60	-0.0041	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-17.90	-0.0047	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-23.70	-0.0062	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-17.70	-0.0046	≥ -2.5 & ≤ 2.5	Pass

2.1.16 30k_SISO_70MHz

5G NR n77a SCS=30kHz SISO 70MHz								
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	-3.50	-0.0009	≥ -2.5 & ≤ 2.5	Pass
				HV	-3.50	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-5.20	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-1.60	-0.0004	≥ -2.5 & ≤ 2.5	Pass

			-10	NV	-2.10	-0.0005	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-4.40	-0.0011	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	1.30	0.0003	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-3.10	-0.0008	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-0.70	-0.0002	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-3.30	-0.0009	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-7.80	-0.0020	$\geq -2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-2.20	-0.0006	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	4.30	0.0011	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-2.70	-0.0007	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-3.10	-0.0008	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-4.30	-0.0011	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-3.40	-0.0009	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-3.30	-0.0009	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	1.80	0.0005	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-1.80	-0.0005	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	0.90	0.0002	$\geq -2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	50	NV	3.40	0.0009	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	LV	2.40	0.0006	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	3.30	0.0009	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	3.10	0.0008	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	2.90	0.0008	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-3.10	-0.0008	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-2.30	-0.0006	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	4.00	0.0010	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	1.50	0.0004	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-3.80	-0.0010	$\geq -2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	40	NV	-4.10	-0.0011	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-4.70	-0.0012	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	LV	-1.10	-0.0003	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-4.30	-0.0011	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-2.00	-0.0005	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-3.70	-0.0010	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	8.10	0.0021	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	2.90	0.0008	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-2.00	-0.0005	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-3.90	-0.0010	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM QPSK	3840	Outer_Full	30	NV	-1.90	-0.0005	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-4.50	-0.0012	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-5.70	-0.0015	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	LV	-2.60	-0.0007	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-4.80	-0.0013	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-7.40	-0.0019	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-6.20	-0.0016	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-4.20	-0.0011	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-5.40	-0.0014	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-7.50	-0.0020	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	NV	-4.10	-0.0011	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-5.60	-0.0015	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-6.80	-0.0018	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-5.50	-0.0014	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	LV	-3.90	-0.0010	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-1.80	-0.0005	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-1.50	-0.0004	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-2.20	-0.0006	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-3.50	-0.0009	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-3.70	-0.0010	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-2.60	-0.0007	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-4.00	-0.0010	$\geq -2.5 \ \& \ \leq 2.5$	Pass

			30	NV	1.20	0.0003	≥ -2.5 & ≤ 2.5	Pass
			40	NV	3.30	0.0009	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-3.80	-0.0010	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	26.40	0.0069	≥ -2.5 & ≤ 2.5	Pass
				HV	22.40	0.0058	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-16.80	-0.0044	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	12.70	0.0033	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	11.40	0.0030	≥ -2.5 & ≤ 2.5	Pass
			0	NV	17.80	0.0046	≥ -2.5 & ≤ 2.5	Pass
			10	NV	21.20	0.0055	≥ -2.5 & ≤ 2.5	Pass
			20	NV	10.00	0.0026	≥ -2.5 & ≤ 2.5	Pass
			30	NV	17.50	0.0046	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-11.30	-0.0029	≥ -2.5 & ≤ 2.5	Pass
			50	NV	13.20	0.0034	≥ -2.5 & ≤ 2.5	Pass
			CP-OFDM 256 QAM	3840	Outer_Full	20	LV	16.00
HV	-17.80	-0.0046					≥ -2.5 & ≤ 2.5	Pass
-30	NV	-8.50				-0.0022	≥ -2.5 & ≤ 2.5	Pass
-20	NV	-21.20				-0.0055	≥ -2.5 & ≤ 2.5	Pass
-10	NV	-15.60				-0.0041	≥ -2.5 & ≤ 2.5	Pass
0	NV	-9.50				-0.0025	≥ -2.5 & ≤ 2.5	Pass
10	NV	-20.70				-0.0054	≥ -2.5 & ≤ 2.5	Pass
20	NV	5.30				0.0014	≥ -2.5 & ≤ 2.5	Pass
30	NV	-9.70				-0.0025	≥ -2.5 & ≤ 2.5	Pass
40	NV	8.50				0.0022	≥ -2.5 & ≤ 2.5	Pass
50	NV	-20.00				-0.0052	≥ -2.5 & ≤ 2.5	Pass

2.1.17 30k_SISO_80MHz

5G NR n77a SCS=30kHz SISO 80MHz								
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	-4.20	-0.0011	≥ -2.5 & ≤ 2.5	Pass
				HV	-6.50	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-5.00	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-6.00	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-2.70	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			0	NV	1.10	0.0003	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-0.90	-0.0002	≥ -2.5 & ≤ 2.5	Pass
			20	NV	2.00	0.0005	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-1.90	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			40	NV	3.90	0.0010	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-2.50	-0.0007	≥ -2.5 & ≤ 2.5	Pass
				HV	7.00	0.0018	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-2.10	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	1.10	0.0003	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-4.30	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.10	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			10	NV	2.30	0.0006	≥ -2.5 & ≤ 2.5	Pass
			20	NV	3.20	0.0008	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-2.50	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-4.30	-0.0011	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	NV	-6.10	-0.0016	≥ -2.5 & ≤ 2.5	Pass
				LV	2.20	0.0006	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-2.60	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-1.50	-0.0004	≥ -2.5 & ≤ 2.5	Pass

			-10	NV	1.60	0.0004	≥ -2.5 & ≤ 2.5	Pass
			0	NV	1.70	0.0004	≥ -2.5 & ≤ 2.5	Pass
			10	NV	3.10	0.0008	≥ -2.5 & ≤ 2.5	Pass
			20	NV	4.20	0.0011	≥ -2.5 & ≤ 2.5	Pass
			30	NV	3.70	0.0010	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-1.40	-0.0004	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-3.00	-0.0008	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	-4.60	-0.0012	≥ -2.5 & ≤ 2.5	Pass
				HV	-2.20	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	0.80	0.0002	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-6.90	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-4.90	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.90	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.60	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-3.20	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			30	NV	2.50	0.0007	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-1.50	-0.0004	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	3840	Outer_Full	50	NV	-1.90	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-7.10	-0.0018	≥ -2.5 & ≤ 2.5	Pass
				HV	-7.30	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-5.70	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-5.90	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-4.10	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-4.30	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-6.70	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-5.70	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-4.60	-0.0012	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	40	NV	-3.50	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-7.20	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-12.40	-0.0032	≥ -2.5 & ≤ 2.5	Pass
				HV	-13.70	-0.0036	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-13.70	-0.0036	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-14.40	-0.0038	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-11.40	-0.0030	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-14.20	-0.0037	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-12.80	-0.0033	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-14.40	-0.0038	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	30	NV	-14.90	-0.0039	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-14.60	-0.0038	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-13.10	-0.0034	≥ -2.5 & ≤ 2.5	Pass
			20	LV	47.70	0.0124	≥ -2.5 & ≤ 2.5	Pass
				HV	30.80	0.0080	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	45.50	0.0118	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	39.70	0.0103	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	35.10	0.0091	≥ -2.5 & ≤ 2.5	Pass
			0	NV	27.50	0.0072	≥ -2.5 & ≤ 2.5	Pass
			10	NV	41.10	0.0107	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	NV	37.50	0.0098	≥ -2.5 & ≤ 2.5	Pass
			30	NV	31.30	0.0082	≥ -2.5 & ≤ 2.5	Pass
			40	NV	20.80	0.0054	≥ -2.5 & ≤ 2.5	Pass
			50	NV	30.40	0.0079	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-18.10	-0.0047	≥ -2.5 & ≤ 2.5	Pass
				HV	-18.70	-0.0049	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-17.50	-0.0046	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-16.80	-0.0044	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-20.10	-0.0052	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-23.30	-0.0061	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-32.10	-0.0084	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-24.30	-0.0063	≥ -2.5 & ≤ 2.5	Pass

			30	NV	-19.10	-0.0050	>=-2.5 & <=2.5	Pass
			40	NV	-17.50	-0.0046	>=-2.5 & <=2.5	Pass
			50	NV	8.40	0.0022	>=-2.5 & <=2.5	Pass

2.1.18 30k_SISO_90MHz

5G NR n77a SCS=30kHz SISO 90MHz								
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	-3.70	-0.0010	>=-2.5 & <=2.5	Pass
				HV	-4.70	-0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	-4.70	-0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	-1.90	-0.0005	>=-2.5 & <=2.5	Pass
			-10	NV	-1.10	-0.0003	>=-2.5 & <=2.5	Pass
			0	NV	-6.90	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass
			20	NV	2.90	0.0008	>=-2.5 & <=2.5	Pass
			30	NV	-5.90	-0.0015	>=-2.5 & <=2.5	Pass
			40	NV	1.60	0.0004	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	4.10	0.0011	>=-2.5 & <=2.5	Pass
				HV	-3.20	-0.0008	>=-2.5 & <=2.5	Pass
			-30	NV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	2.60	0.0007	>=-2.5 & <=2.5	Pass
			-10	NV	-0.50	-0.0001	>=-2.5 & <=2.5	Pass
			0	NV	-2.00	-0.0005	>=-2.5 & <=2.5	Pass
			10	NV	-6.40	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-4.00	-0.0010	>=-2.5 & <=2.5	Pass
			30	NV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-2.00	-0.0005	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	2.70	0.0007	>=-2.5 & <=2.5	Pass
				HV	-1.70	-0.0004	>=-2.5 & <=2.5	Pass
			-30	NV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	1.90	0.0005	>=-2.5 & <=2.5	Pass
			0	NV	-4.30	-0.0011	>=-2.5 & <=2.5	Pass
			10	NV	2.70	0.0007	>=-2.5 & <=2.5	Pass
			20	NV	-5.70	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-1.50	-0.0004	>=-2.5 & <=2.5	Pass
			40	NV	1.70	0.0004	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	2.50	0.0007	>=-2.5 & <=2.5	Pass
				HV	1.90	0.0005	>=-2.5 & <=2.5	Pass
			-30	NV	4.20	0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-1.80	-0.0005	>=-2.5 & <=2.5	Pass
			-10	NV	5.50	0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-4.00	-0.0010	>=-2.5 & <=2.5	Pass
			10	NV	4.30	0.0011	>=-2.5 & <=2.5	Pass
			20	NV	-5.40	-0.0014	>=-2.5 & <=2.5	Pass
			30	NV	-3.90	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	3.30	0.0009	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3840	Outer_Full	20	NV	-3.90	-0.0010	>=-2.5 & <=2.5	Pass
				LV	-5.70	-0.0015	>=-2.5 & <=2.5	Pass
			-30	NV	-6.30	-0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	-3.10	-0.0008	>=-2.5 & <=2.5	Pass

			-10	NV	-4.20	-0.0011	>=-2.5 & <=2.5	Pass
			0	NV	-7.20	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-3.50	-0.0009	>=-2.5 & <=2.5	Pass
			20	NV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass
			30	NV	-8.70	-0.0023	>=-2.5 & <=2.5	Pass
			40	NV	-6.70	-0.0017	>=-2.5 & <=2.5	Pass
			50	NV	-4.40	-0.0011	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	2.90	0.0008	>=-2.5 & <=2.5	Pass
				HV	4.60	0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	4.40	0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	3.70	0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	4.00	0.0010	>=-2.5 & <=2.5	Pass
			0	NV	2.90	0.0008	>=-2.5 & <=2.5	Pass
			10	NV	3.40	0.0009	>=-2.5 & <=2.5	Pass
			20	NV	2.60	0.0007	>=-2.5 & <=2.5	Pass
			30	NV	2.40	0.0006	>=-2.5 & <=2.5	Pass
			40	NV	2.70	0.0007	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	50	NV	-3.10	-0.0008	>=-2.5 & <=2.5	Pass
			20	LV	-40.90	-0.0107	>=-2.5 & <=2.5	Pass
				HV	-34.90	-0.0091	>=-2.5 & <=2.5	Pass
			-30	NV	-37.50	-0.0098	>=-2.5 & <=2.5	Pass
			-20	NV	-48.10	-0.0125	>=-2.5 & <=2.5	Pass
			-10	NV	11.20	0.0029	>=-2.5 & <=2.5	Pass
			0	NV	5.90	0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-20.80	-0.0054	>=-2.5 & <=2.5	Pass
			20	NV	-13.10	-0.0034	>=-2.5 & <=2.5	Pass
			30	NV	-35.30	-0.0092	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	40	NV	-25.70	-0.0067	>=-2.5 & <=2.5	Pass
			50	NV	-21.10	-0.0055	>=-2.5 & <=2.5	Pass
			20	LV	-13.00	-0.0034	>=-2.5 & <=2.5	Pass
				HV	-11.00	-0.0029	>=-2.5 & <=2.5	Pass
			-30	NV	-20.70	-0.0054	>=-2.5 & <=2.5	Pass
			-20	NV	-13.70	-0.0036	>=-2.5 & <=2.5	Pass
			-10	NV	-7.10	-0.0018	>=-2.5 & <=2.5	Pass
			0	NV	-16.90	-0.0044	>=-2.5 & <=2.5	Pass
			10	NV	-15.40	-0.0040	>=-2.5 & <=2.5	Pass
			20	NV	-17.00	-0.0044	>=-2.5 & <=2.5	Pass
			30	NV	-13.30	-0.0035	>=-2.5 & <=2.5	Pass
			40	NV	-14.90	-0.0039	>=-2.5 & <=2.5	Pass
			50	NV	-14.50	-0.0038	>=-2.5 & <=2.5	Pass

2.1.19 30k_SISO_100MHz

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	-3.90	-0.0010	>=-2.5 & <=2.5	Pass
				HV	-6.90	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-3.10	-0.0008	>=-2.5 & <=2.5	Pass
			-20	NV	-3.90	-0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	-4.90	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	4.70	0.0012	>=-2.5 & <=2.5	Pass
			10	NV	-2.50	-0.0007	>=-2.5 & <=2.5	Pass
			20	NV	-4.90	-0.0013	>=-2.5 & <=2.5	Pass
			30	NV	-3.50	-0.0009	>=-2.5 & <=2.5	Pass
			40	NV	-6.20	-0.0016	>=-2.5 & <=2.5	Pass
			50	NV	-5.10	-0.0013	>=-2.5 & <=2.5	Pass

DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-2.10	-0.0005	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-1.80	-0.0005	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-1.20	-0.0003	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-3.30	-0.0009	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	3.90	0.0010	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-1.10	-0.0003	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-3.20	-0.0008	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-4.80	-0.0013	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-6.40	-0.0017	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-3.30	-0.0009	$\geq -2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	6.50	0.0017	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	8.70	0.0023	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	2.40	0.0006	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-4.20	-0.0011	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-3.80	-0.0010	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	3.70	0.0010	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-1.40	-0.0004	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	3.20	0.0008	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	2.80	0.0007	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	1.90	0.0005	$\geq -2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	4.90	0.0013	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	3.10	0.0008	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-1.70	-0.0004	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-2.90	-0.0008	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	1.70	0.0004	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-3.80	-0.0010	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-6.40	-0.0017	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-3.20	-0.0008	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-3.60	-0.0009	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	1.70	0.0004	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM QPSK	3840	Outer_Full	20	LV	-5.20	-0.0014	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-5.00	-0.0013	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-3.10	-0.0008	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-3.00	-0.0008	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-4.20	-0.0011	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-3.60	-0.0009	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-6.00	-0.0016	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-2.60	-0.0007	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-2.60	-0.0007	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-3.50	-0.0009	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	-7.00	-0.0018	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-6.60	-0.0017	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-6.00	-0.0016	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-7.10	-0.0018	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-9.10	-0.0024	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-9.60	-0.0025	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-9.00	-0.0023	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-10.10	-0.0026	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-8.40	-0.0022	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-12.20	-0.0032	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	26.80	0.0070	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	38.30	0.0100	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	26.10	0.0068	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	40.20	0.0105	$\geq -2.5 \ \& \ \leq 2.5$	Pass

			-10	NV	36.50	0.0095	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	30.50	0.0079	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	27.80	0.0072	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	36.80	0.0096	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	34.30	0.0089	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	16.90	0.0044	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-4.80	-0.0013	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	LV	-17.00	-0.0044	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-11.40	-0.0030	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	2.40	0.0006	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	10.80	0.0028	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	4.80	0.0013	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	15.10	0.0039	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	13.20	0.0034	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-14.30	-0.0037	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	11.00	0.0029	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	20.40	0.0053	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	10.10	0.0026	$\geq -2.5 \ \& \ \leq 2.5$	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 15k_SISO_50MHz_NTNV

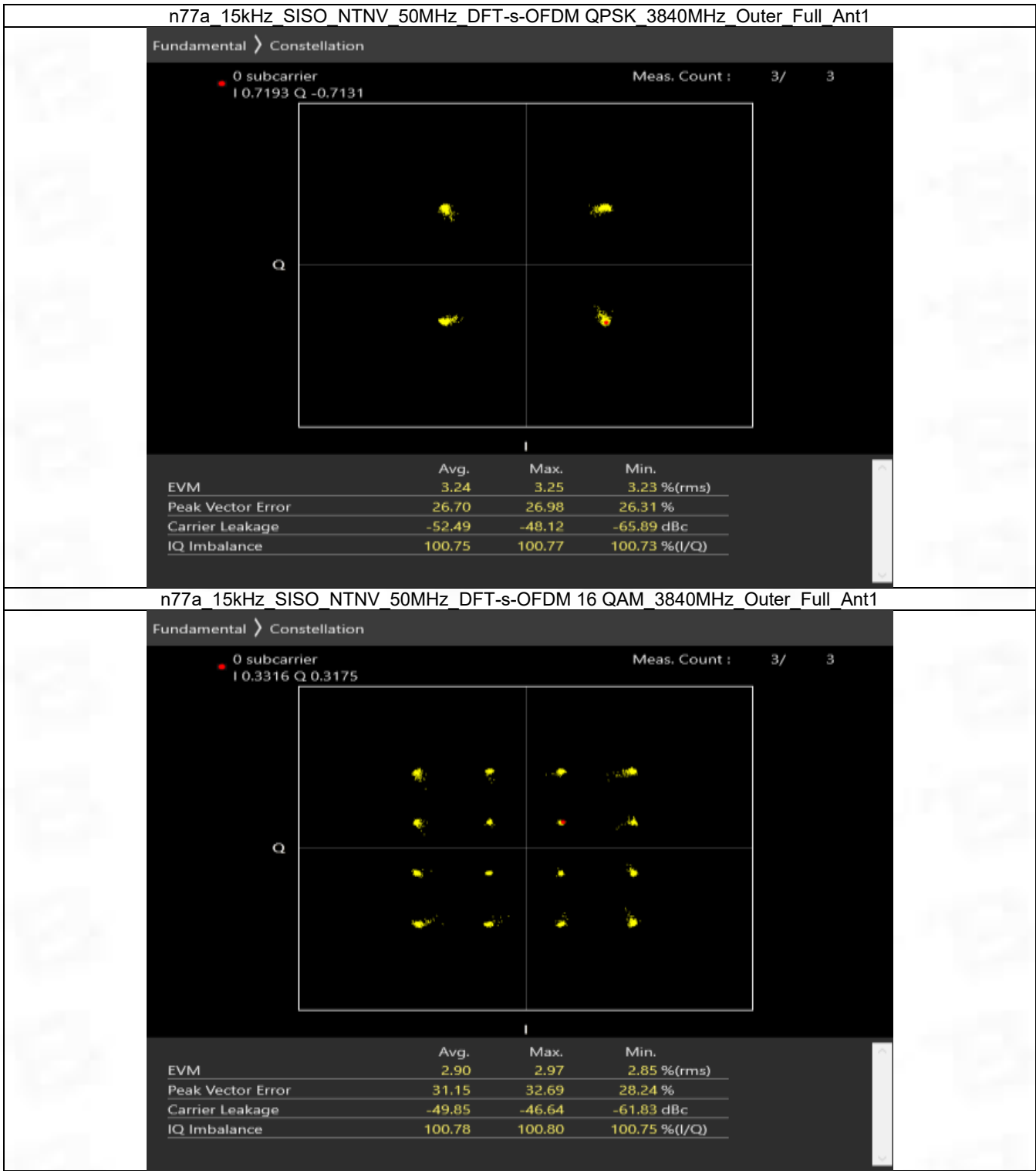
5G NR n77a SCS=15kHz SISO 50MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Modulation Characteristics				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3840	Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	3840	Outer_Full	Refer To Test Graph				Pass
CP-OFDM 16 QAM	3840	Outer_Full	Refer To Test Graph				Pass
CP-OFDM 64 QAM	3840	Outer_Full	Refer To Test Graph				Pass
CP-OFDM 256 QAM	3840	Outer_Full	Refer To Test Graph				Pass

3.1.2 30k_SISO_100MHz_NTNV

5G NR n77a SCS=30kHz SISO 100MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Modulation Characteristics				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3840	Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	3840	Outer_Full	Refer To Test Graph				Pass
CP-OFDM 16 QAM	3840	Outer_Full	Refer To Test Graph				Pass
CP-OFDM 64 QAM	3840	Outer_Full	Refer To Test Graph				Pass
CP-OFDM 256 QAM	3840	Outer_Full	Refer To Test Graph				Pass

3.2 Test Graph

3.2.1 15k_SISO_50MHz_NTNV



n77a 15kHz SISO NTN 50MHz DFT-s-OFDM 64 QAM 3840MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I 0.4927 Q 0.4473

Meas. Count : 3/ 3

Q

	Avg.	Max.	Min.
EVM	2.59	2.60	2.56 %(rms)
Peak Vector Error	18.98	19.69	18.40 %
Carrier Leakage	-52.02	-49.25	-59.66 dBc
IQ Imbalance	100.76	100.78	100.72 %(I/Q)

n77a 15kHz SISO NTN 50MHz DFT-s-OFDM 256 QAM 3840MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I 0.5628 Q 0.5375

Meas. Count : 3/ 3

Q

	Avg.	Max.	Min.
EVM	1.85	1.87	1.83 %(rms)
Peak Vector Error	9.64	9.95	9.25 %
Carrier Leakage	-50.41	-49.14	-51.39 dBc
IQ Imbalance	100.59	100.64	100.56 %(I/Q)

n77a 15kHz SISO NTN 50MHz CP-OFDM QPSK 3840MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I 0.6951 Q 0.7735

Meas. Count : 3/ 3

Q

	Avg.	Max.	Min.
EVM	5.03	5.04	5.02 %(rms)
Peak Vector Error	19.09	19.25	18.97 %
Carrier Leakage	-53.19	-51.50	-57.70 dBc

n77a 15kHz SISO NTN 50MHz CP-OFDM 16 QAM 3840MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I 0.2357 Q 0.2911

Meas. Count : 3/ 3

Q

	Avg.	Max.	Min.
EVM	5.19	5.20	5.17 %(rms)
Peak Vector Error	18.75	19.02	18.43 %
Carrier Leakage	-51.52	-48.25	-55.53 dBc

n77a 15kHz SISO NTN 50MHz CP-OFDM 64 QAM 3840MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I 0.1628 Q 0.4441

Meas. Count : 3/ 3

Q

	Avg.	Max.	Min.
EVM	4.34	4.34	4.34 %(rms)
Peak Vector Error	15.12	15.51	14.89 %
Carrier Leakage	-51.05	-48.64	-53.83 dBc

n77a 15kHz SISO NTN 50MHz CP-OFDM 256 QAM 3840MHz Outer Full Ant1

Fundamental > Constellation

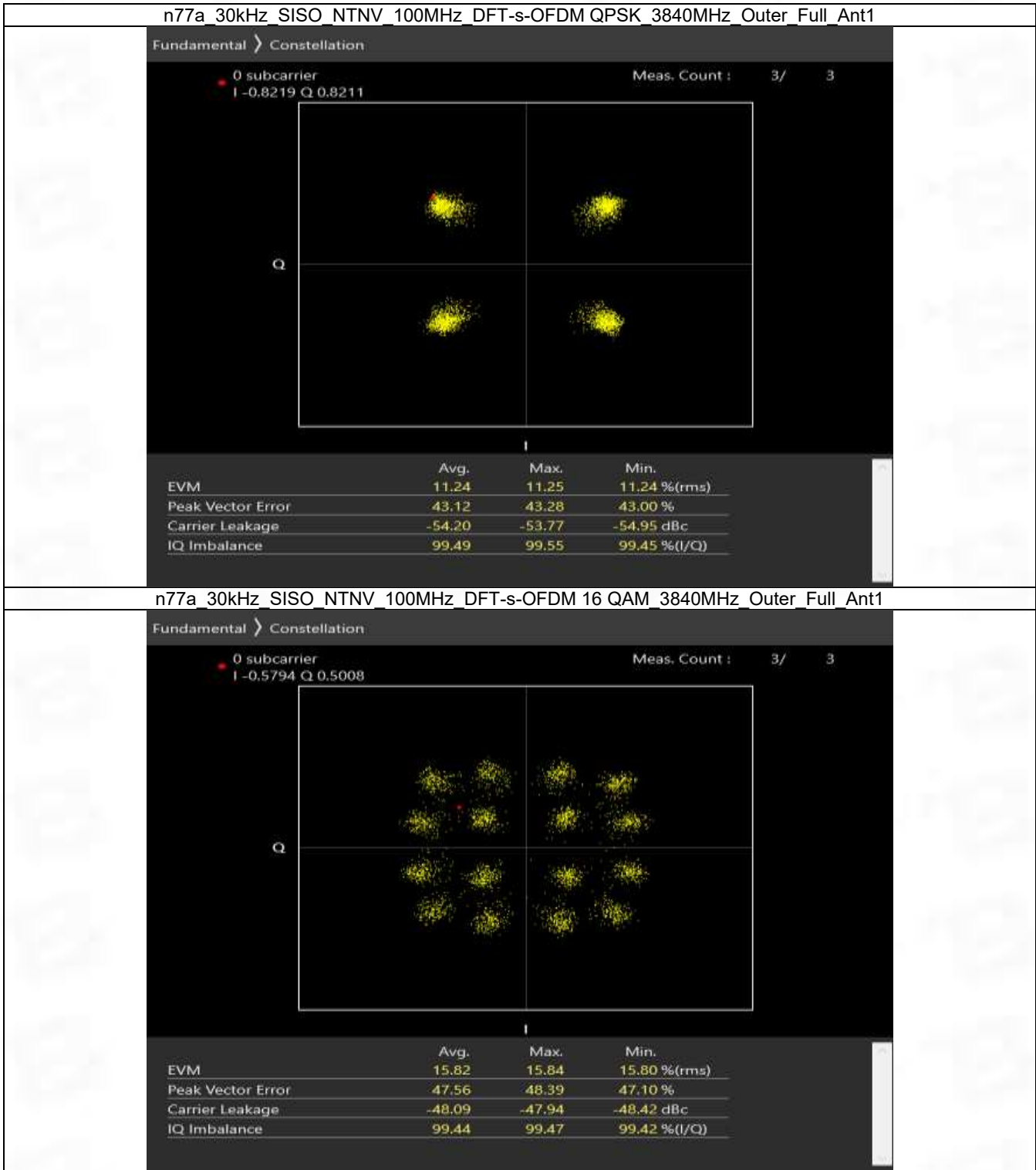
0 subcarrier
I 0.5266 Q 0.5311

Meas. Count : 3/ 3

Q

	Avg.	Max.	Min.
EVM	2.28	2.31	2.27 %(rms)
Peak Vector Error	8.16	8.76	7.68 %
Carrier Leakage	-52.62	-51.15	-55.32 dBc

3.2.2 30k_SISO_100MHz_NTNV



n77a 30kHz SISO NTN 100MHz DFT-s-OFDM 64 QAM 3840MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I 0.2462 Q -0.7100

Meas. Count : 1/ 3

Q

	Avg.	Max.	Min.	
EVM	*****	*****	*****	%(rms)
Peak Vector Error	*****	*****	*****	%
Carrier Leakage	*****	*****	*****	dBc
IQ Imbalance	*****	*****	*****	%(I/Q)

n77a 30kHz SISO NTN 100MHz DFT-s-OFDM 256 QAM 3840MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I 0.5071 Q -0.6882

Meas. Count : 2/ 3

Q

	Avg.	Max.	Min.	
EVM	*****	*****	*****	%(rms)
Peak Vector Error	*****	*****	*****	%
Carrier Leakage	*****	*****	*****	dBc
IQ Imbalance	*****	*****	*****	%(I/Q)

n77a 30kHz SISO NTN 100MHz CP-OFDM QPSK 3840MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I -0.6750 Q 0.6988

Meas. Count : 3/ 3

Q

I

	Avg.	Max.	Min.
EVM	18.87	18.88	18.86 %(rms)
Peak Vector Error	69.90	70.30	69.46 %
Carrier Leakage	-46.55	-46.16	-46.86 dBc
IQ Imbalance	99.39	99.40	99.37 %(I/Q)

n77a 30kHz SISO NTN 100MHz CP-OFDM 16 QAM 3840MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I -0.8790 Q -0.3870

Meas. Count : 3/ 3

Q

I

	Avg.	Max.	Min.
EVM	19.39	19.40	19.38 %(rms)
Peak Vector Error	83.60	86.03	82.23 %
Carrier Leakage	-45.23	-44.53	-45.77 dBc
IQ Imbalance	99.59	99.63	99.54 %(I/Q)

n77a 30kHz SISO NTN 100MHz CP-OFDM 64 QAM 3840MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I -0.8447 Q 0.9124

Meas. Count : 3/ 3

Q

	Avg.	Max.	Min.
EVM	13.02	13.05	12.99 %(rms)
Peak Vector Error	77.82	81.77	73.96 %
Carrier Leakage	-44.08	-43.51	-44.48 dBc
IQ Imbalance	99.72	99.75	99.67 %(I/Q)

n77a 30kHz SISO NTN 100MHz CP-OFDM 256 QAM 3840MHz Outer Full Ant1

Fundamental > Constellation

0 subcarrier
I -0.2327 Q 0.8676

Meas. Count : 3/ 3

Q

	Avg.	Max.	Min.
EVM	6.69	6.69	6.69 %(rms)
Peak Vector Error	39.25	40.05	38.20 %
Carrier Leakage	-43.84	-43.04	-45.03 dBc
IQ Imbalance	99.71	99.73	99.68 %(I/Q)

4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 15k_SISO_10MHz_NTNV

5G NR n77a SCS=15kHz SISO 10MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	3705	Outer_Full	9.07	9.78	/	Pass
	3840	Outer_Full	9.04	9.70	/	Pass
	3975	Outer_Full	9.08	9.82	/	Pass
DFT-s-OFDM 16 QAM	3705	Outer_Full	9.09	9.81	/	Pass
	3840	Outer_Full	9.09	9.78	/	Pass
	3975	Outer_Full	9.06	9.81	/	Pass
DFT-s-OFDM 64 QAM	3705	Outer_Full	9.13	10.47	/	Pass
	3840	Outer_Full	9.10	9.88	/	Pass
	3975	Outer_Full	9.16	10.26	/	Pass
DFT-s-OFDM 256 QAM	3705	Outer_Full	9.08	10.36	/	Pass
	3840	Outer_Full	9.07	9.79	/	Pass
	3975	Outer_Full	9.09	10.01	/	Pass
CP-OFDM QPSK	3705	Outer_Full	9.48	14.00	/	Pass
	3840	Outer_Full	9.39	10.04	/	Pass
	3975	Outer_Full	9.42	10.07	/	Pass
CP-OFDM 16 QAM	3705	Outer_Full	9.48	14.42	/	Pass
	3840	Outer_Full	9.44	10.03	/	Pass
	3975	Outer_Full	9.42	10.07	/	Pass
CP-OFDM 64 QAM	3705	Outer_Full	9.48	11.61	/	Pass
	3840	Outer_Full	9.47	10.23	/	Pass
	3975	Outer_Full	9.42	10.03	/	Pass
CP-OFDM 256 QAM	3705	Outer_Full	9.38	10.09	/	Pass
	3840	Outer_Full	9.40	10.03	/	Pass
	3975	Outer_Full	9.42	10.07	/	Pass

4.1.2 15k_SISO_15MHz_NTNV

5G NR n77a SCS=15kHz SISO 15MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	3707.505	Outer_Full	13.63	14.67	/	Pass
	3840	Outer_Full	13.68	14.71	/	Pass
	3972.495	Outer_Full	13.61	14.70	/	Pass
DFT-s-OFDM 16 QAM	3707.505	Outer_Full	13.66	15.98	/	Pass
	3840	Outer_Full	13.65	14.61	/	Pass
	3972.495	Outer_Full	13.67	15.71	/	Pass
DFT-s-OFDM 64 QAM	3707.505	Outer_Full	13.61	14.79	/	Pass
	3840	Outer_Full	13.67	15.47	/	Pass
	3972.495	Outer_Full	13.57	14.59	/	Pass
DFT-s-OFDM 256 QAM	3707.505	Outer_Full	13.60	14.59	/	Pass
	3840	Outer_Full	13.68	14.64	/	Pass
	3972.495	Outer_Full	13.64	14.63	/	Pass
CP-OFDM QPSK	3707.505	Outer_Full	14.37	19.28	/	Pass
	3840	Outer_Full	14.32	15.24	/	Pass
	3972.495	Outer_Full	14.30	15.37	/	Pass

CP-OFDM 16 QAM	3707.505	Outer_Full	14.29	20.49	/	Pass
	3840	Outer_Full	14.31	15.31	/	Pass
	3972.495	Outer_Full	14.37	15.44	/	Pass
CP-OFDM 64 QAM	3707.505	Outer_Full	14.32	15.66	/	Pass
	3840	Outer_Full	14.37	15.33	/	Pass
	3972.495	Outer_Full	14.34	15.29	/	Pass
CP-OFDM 256 QAM	3707.505	Outer_Full	14.33	16.12	/	Pass
	3840	Outer_Full	14.30	16.43	/	Pass
	3972.495	Outer_Full	13.67	15.47	/	Pass

4.1.3 15k_SISO_20MHz_NTNV

5G NR n77a SCS=15kHz SISO 20MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	3710.01	Outer_Full	18.13	19.42	/	Pass
	3840	Outer_Full	18.11	19.63	/	Pass
	3969.99	Outer_Full	18.14	20.18	/	Pass
DFT-s-OFDM 16 QAM	3710.01	Outer_Full	18.17	20.79	/	Pass
	3840	Outer_Full	18.21	19.42	/	Pass
	3969.99	Outer_Full	18.20	21.37	/	Pass
DFT-s-OFDM 64 QAM	3710.01	Outer_Full	18.16	21.11	/	Pass
	3840	Outer_Full	18.21	19.88	/	Pass
	3969.99	Outer_Full	18.15	20.56	/	Pass
DFT-s-OFDM 256 QAM	3710.01	Outer_Full	17.78	19.07	/	Pass
	3840	Outer_Full	18.10	19.46	/	Pass
	3969.99	Outer_Full	18.11	19.41	/	Pass
CP-OFDM QPSK	3710.01	Outer_Full	19.21	24.18	/	Pass
	3840	Outer_Full	19.19	23.35	/	Pass
	3969.99	Outer_Full	19.23	22.66	/	Pass
CP-OFDM 16 QAM	3710.01	Outer_Full	19.23	29.63	/	Pass
	3840	Outer_Full	19.15	20.45	/	Pass
	3969.99	Outer_Full	19.19	20.43	/	Pass
CP-OFDM 64 QAM	3710.01	Outer_Full	19.25	27.41	/	Pass
	3840	Outer_Full	19.17	23.57	/	Pass
	3969.99	Outer_Full	19.20	20.57	/	Pass
CP-OFDM 256 QAM	3710.01	Outer_Full	19.17	20.43	/	Pass
	3840	Outer_Full	19.13	20.41	/	Pass
	3969.99	Outer_Full	19.17	20.43	/	Pass

4.1.4 15k_SISO_25MHz_NTNV

5G NR n77a SCS=15kHz SISO 25MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	3712.5	Outer_Full	23.10	24.63	/	Pass
	3840	Outer_Full	23.14	24.70	/	Pass
	3967.5	Outer_Full	23.09	24.69	/	Pass
DFT-s-OFDM 16 QAM	3712.5	Outer_Full	23.11	24.64	/	Pass
	3840	Outer_Full	23.07	24.96	/	Pass
	3967.5	Outer_Full	23.07	24.74	/	Pass
DFT-s-OFDM 64 QAM	3712.5	Outer_Full	23.07	24.69	/	Pass
	3840	Outer_Full	22.99	24.75	/	Pass
	3967.5	Outer_Full	23.10	24.70	/	Pass
DFT-s-OFDM 256 QAM	3712.5	Outer_Full	23.06	24.65	/	Pass
	3840	Outer_Full	23.12	24.63	/	Pass

	3967.5	Outer_Full	23.02	24.61	/	Pass
CP-OFDM QPSK	3712.5	Outer_Full	23.96	35.09	/	Pass
	3840	Outer_Full	23.94	29.74	/	Pass
	3967.5	Outer_Full	23.96	28.19	/	Pass
CP-OFDM 16 QAM	3712.5	Outer_Full	24.00	33.19	/	Pass
	3840	Outer_Full	23.88	25.51	/	Pass
	3967.5	Outer_Full	23.98	25.56	/	Pass
CP-OFDM 64 QAM	3712.5	Outer_Full	23.96	29.79	/	Pass
	3840	Outer_Full	23.87	25.61	/	Pass
	3967.5	Outer_Full	23.89	25.52	/	Pass
CP-OFDM 256 QAM	3712.5	Outer_Full	23.79	25.76	/	Pass
	3840	Outer_Full	23.89	25.50	/	Pass
	3967.5	Outer_Full	23.98	25.56	/	Pass

4.1.5 15k_SISO_30MHz_NTNV

5G NR n77a SCS=15kHz SISO 30MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	3715.005	Outer_Full	28.89	30.82	/	Pass
	3840	Outer_Full	28.93	31.07	/	Pass
	3964.995	Outer_Full	28.84	31.37	/	Pass
DFT-s-OFDM 16 QAM	3715.005	Outer_Full	28.97	30.88	/	Pass
	3840	Outer_Full	28.73	31.60	/	Pass
	3964.995	Outer_Full	28.96	31.54	/	Pass
DFT-s-OFDM 64 QAM	3715.005	Outer_Full	29.00	32.66	/	Pass
	3840	Outer_Full	28.91	30.76	/	Pass
	3964.995	Outer_Full	29.00	30.90	/	Pass
DFT-s-OFDM 256 QAM	3715.005	Outer_Full	28.84	30.73	/	Pass
	3840	Outer_Full	28.90	30.77	/	Pass
	3964.995	Outer_Full	28.92	30.79	/	Pass
CP-OFDM QPSK	3715.005	Outer_Full	29.02	42.33	/	Pass
	3840	Outer_Full	28.94	35.08	/	Pass
	3964.995	Outer_Full	28.94	34.65	/	Pass
CP-OFDM 16 QAM	3715.005	Outer_Full	28.95	33.25	/	Pass
	3840	Outer_Full	28.87	30.76	/	Pass
	3964.995	Outer_Full	28.93	30.82	/	Pass
CP-OFDM 64 QAM	3715.005	Outer_Full	28.95	34.11	/	Pass
	3840	Outer_Full	28.94	32.36	/	Pass
	3964.995	Outer_Full	28.96	30.75	/	Pass
CP-OFDM 256 QAM	3715.005	Outer_Full	28.92	30.87	/	Pass
	3840	Outer_Full	28.84	30.75	/	Pass
	3964.995	Outer_Full	28.93	30.82	/	Pass

4.1.6 15k_SISO_40MHz_NTNV

5G NR n77a SCS=15kHz SISO 40MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	3720	Outer_Full	39.13	41.51	/	Pass
	3840	Outer_Full	39.07	41.54	/	Pass
	3960	Outer_Full	38.94	41.50	/	Pass
DFT-s-OFDM 16 QAM	3720	Outer_Full	38.96	41.98	/	Pass
	3840	Outer_Full	38.94	41.75	/	Pass
	3960	Outer_Full	39.07	42.76	/	Pass
DFT-s-OFDM 64 QAM	3720	Outer_Full	39.05	41.61	/	Pass

	3840	Outer_Full	39.10	41.41	/	Pass
	3960	Outer_Full	39.29	41.43	/	Pass
DFT-s-OFDM 256 QAM	3720	Outer_Full	39.10	41.51	/	Pass
	3840	Outer_Full	38.99	41.44	/	Pass
	3960	Outer_Full	38.99	41.37	/	Pass
	3720	Outer_Full	39.18	52.47	/	Pass
CP-OFDM QPSK	3840	Outer_Full	38.96	41.42	/	Pass
	3960	Outer_Full	39.00	43.73	/	Pass
	3720	Outer_Full	39.03	47.88	/	Pass
	3840	Outer_Full	39.03	42.70	/	Pass
CP-OFDM 16 QAM	3960	Outer_Full	39.16	42.60	/	Pass
	3720	Outer_Full	39.09	50.22	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	38.91	41.33	/	Pass
	3960	Outer_Full	39.08	41.42	/	Pass
	3720	Outer_Full	39.09	41.49	/	Pass
	3840	Outer_Full	38.97	41.45	/	Pass
CP-OFDM 256 QAM	3960	Outer_Full	39.09	41.49	/	Pass

4.1.7 15k_SISO_50MHz_NTNV

5G NR n77a SCS=15kHz SISO 50MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	3725.01	Outer_Full	48.65	51.76	/	Pass
	3840	Outer_Full	48.59	51.72	/	Pass
	3954.99	Outer_Full	48.51	51.68	/	Pass
DFT-s-OFDM 16 QAM	3725.01	Outer_Full	48.50	52.66	/	Pass
	3840	Outer_Full	48.38	53.71	/	Pass
	3954.99	Outer_Full	48.52	51.67	/	Pass
DFT-s-OFDM 64 QAM	3725.01	Outer_Full	48.76	51.67	/	Pass
	3840	Outer_Full	48.59	51.78	/	Pass
	3954.99	Outer_Full	48.47	51.70	/	Pass
DFT-s-OFDM 256 QAM	3725.01	Outer_Full	48.52	51.67	/	Pass
	3840	Outer_Full	48.40	51.70	/	Pass
	3954.99	Outer_Full	48.49	52.29	/	Pass
CP-OFDM QPSK	3725.01	Outer_Full	43.90	53.10	/	Pass
	3840	Outer_Full	43.60	46.60	/	Pass
	3954.99	Outer_Full	43.71	48.09	/	Pass
CP-OFDM 16 QAM	3725.01	Outer_Full	43.93	60.93	/	Pass
	3840	Outer_Full	43.63	47.87	/	Pass
	3954.99	Outer_Full	43.83	46.77	/	Pass
CP-OFDM 64 QAM	3725.01	Outer_Full	43.81	51.24	/	Pass
	3840	Outer_Full	43.78	48.64	/	Pass
	3954.99	Outer_Full	43.71	46.77	/	Pass
CP-OFDM 256 QAM	3725.01	Outer_Full	43.82	46.77	/	Pass
	3840	Outer_Full	43.60	46.73	/	Pass
	3954.99	Outer_Full	43.81	51.24	/	Pass

4.1.8 30k_SISO_10MHz_NTNV

5G NR n77a SCS=30kHz SISO 10MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	3705	Outer_Full	8.85	10.61	/	Pass
	3840	Outer_Full	8.69	9.56	/	Pass
	3975	Outer_Full	8.80	9.66	/	Pass

DFT-s-OFDM 16 QAM	3705	Outer_Full	8.87	9.75	/	Pass
	3840	Outer_Full	8.67	9.73	/	Pass
	3975	Outer_Full	8.92	9.50	/	Pass
DFT-s-OFDM 64 QAM	3705	Outer_Full	8.92	9.50	/	Pass
	3840	Outer_Full	8.85	9.44	/	Pass
	3975	Outer_Full	8.69	9.84	/	Pass
DFT-s-OFDM 256 QAM	3705	Outer_Full	8.80	9.78	/	Pass
	3840	Outer_Full	8.69	10.82	/	Pass
	3975	Outer_Full	8.88	9.26	/	Pass
CP-OFDM QPSK	3705	Outer_Full	8.79	16.04	/	Pass
	3840	Outer_Full	8.80	10.17	/	Pass
	3975	Outer_Full	8.76	10.57	/	Pass
CP-OFDM 16 QAM	3705	Outer_Full	8.81	15.08	/	Pass
	3840	Outer_Full	8.74	9.77	/	Pass
	3975	Outer_Full	8.92	10.74	/	Pass
CP-OFDM 64 QAM	3705	Outer_Full	8.74	13.41	/	Pass
	3840	Outer_Full	8.73	10.93	/	Pass
	3975	Outer_Full	8.75	12.08	/	Pass
CP-OFDM 256 QAM	3705	Outer_Full	8.96	9.78	/	Pass
	3840	Outer_Full	8.71	11.22	/	Pass
	3975	Outer_Full	8.90	9.54	/	Pass

4.1.9 30k_SISO_15MHz_NTNV

5G NR n77a SCS=30kHz SISO 15MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	3707.52	Outer_Full	13.26	14.28	/	Pass
	3840	Outer_Full	13.12	16.41	/	Pass
	3972.48	Outer_Full	13.13	14.74	/	Pass
DFT-s-OFDM 16 QAM	3707.52	Outer_Full	13.09	14.11	/	Pass
	3840	Outer_Full	13.26	13.90	/	Pass
	3972.48	Outer_Full	13.33	14.29	/	Pass
DFT-s-OFDM 64 QAM	3707.52	Outer_Full	13.36	14.16	/	Pass
	3840	Outer_Full	13.44	15.39	/	Pass
	3972.48	Outer_Full	13.16	14.28	/	Pass
DFT-s-OFDM 256 QAM	3707.52	Outer_Full	13.07	16.79	/	Pass
	3840	Outer_Full	13.27	14.28	/	Pass
	3972.48	Outer_Full	13.29	14.03	/	Pass
CP-OFDM QPSK	3707.52	Outer_Full	13.89	23.24	/	Pass
	3840	Outer_Full	13.81	15.32	/	Pass
	3972.48	Outer_Full	13.81	19.90	/	Pass
CP-OFDM 16 QAM	3707.52	Outer_Full	14.07	17.81	/	Pass
	3840	Outer_Full	14.01	15.09	/	Pass
	3972.48	Outer_Full	13.84	17.47	/	Pass
CP-OFDM 64 QAM	3707.52	Outer_Full	14.11	14.82	/	Pass
	3840	Outer_Full	14.14	15.51	/	Pass
	3972.48	Outer_Full	13.76	15.40	/	Pass
CP-OFDM 256 QAM	3707.52	Outer_Full	13.81	18.01	/	Pass
	3840	Outer_Full	14.25	16.83	/	Pass
	3972.48	Outer_Full	13.92	14.60	/	Pass

4.1.10 30k_SISO_20MHz_NTNV

5G NR n77a SCS=30kHz SISO 20MHz NTN						
Modulation	Frequency	RB	99% Bandwidth	26dB Bandwidth	Limit	Verdict

	(MHz)	Allocation	(MHz)	(MHz)	(MHz)	
DFT-s-OFDM QPSK	3710.01	Outer_Full	18.12	20.67	/	Pass
	3840	Outer_Full	18.50	19.52	/	Pass
	3969.99	Outer_Full	18.46	19.61	/	Pass
DFT-s-OFDM 16 QAM	3710.01	Outer_Full	18.45	20.09	/	Pass
	3840	Outer_Full	18.12	19.68	/	Pass
	3969.99	Outer_Full	18.21	19.77	/	Pass
DFT-s-OFDM 64 QAM	3710.01	Outer_Full	18.27	19.47	/	Pass
	3840	Outer_Full	18.53	19.44	/	Pass
	3969.99	Outer_Full	18.16	19.81	/	Pass
DFT-s-OFDM 256 QAM	3710.01	Outer_Full	18.45	19.16	/	Pass
	3840	Outer_Full	18.48	19.23	/	Pass
	3969.99	Outer_Full	18.18	19.59	/	Pass
CP-OFDM QPSK	3710.01	Outer_Full	18.95	20.11	/	Pass
	3840	Outer_Full	18.54	23.17	/	Pass
	3969.99	Outer_Full	18.59	19.36	/	Pass
CP-OFDM 16 QAM	3710.01	Outer_Full	18.65	19.86	/	Pass
	3840	Outer_Full	18.54	19.47	/	Pass
	3969.99	Outer_Full	18.87	22.71	/	Pass
CP-OFDM 64 QAM	3710.01	Outer_Full	18.94	23.73	/	Pass
	3840	Outer_Full	18.78	20.40	/	Pass
	3969.99	Outer_Full	18.54	26.16	/	Pass
CP-OFDM 256 QAM	3710.01	Outer_Full	18.82	19.48	/	Pass
	3840	Outer_Full	18.46	19.87	/	Pass
	3969.99	Outer_Full	18.93	21.76	/	Pass

4.1.11 30k_SISO_25MHz_NTNV

5G NR n77a SCS=30kHz SISO 25MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	3712.5	Outer_Full	23.12	25.85	/	Pass
	3840	Outer_Full	23.48	25.23	/	Pass
	3967.5	Outer_Full	23.27	26.08	/	Pass
DFT-s-OFDM 16 QAM	3712.5	Outer_Full	23.57	24.66	/	Pass
	3840	Outer_Full	23.62	25.39	/	Pass
	3967.5	Outer_Full	23.55	24.51	/	Pass
DFT-s-OFDM 64 QAM	3712.5	Outer_Full	23.27	25.60	/	Pass
	3840	Outer_Full	23.12	25.10	/	Pass
	3967.5	Outer_Full	23.24	25.16	/	Pass
DFT-s-OFDM 256 QAM	3712.5	Outer_Full	23.55	24.68	/	Pass
	3840	Outer_Full	23.05	24.29	/	Pass
	3967.5	Outer_Full	23.22	25.83	/	Pass
CP-OFDM QPSK	3712.5	Outer_Full	23.97	24.83	/	Pass
	3840	Outer_Full	23.92	24.86	/	Pass
	3967.5	Outer_Full	23.52	24.71	/	Pass
CP-OFDM 16 QAM	3712.5	Outer_Full	23.73	38.19	/	Pass
	3840	Outer_Full	23.43	25.52	/	Pass
	3967.5	Outer_Full	23.98	25.88	/	Pass
CP-OFDM 64 QAM	3712.5	Outer_Full	23.93	24.88	/	Pass
	3840	Outer_Full	23.44	27.69	/	Pass
	3967.5	Outer_Full	23.93	24.91	/	Pass
CP-OFDM 256 QAM	3712.5	Outer_Full	23.80	24.90	/	Pass
	3840	Outer_Full	23.44	25.98	/	Pass
	3967.5	Outer_Full	23.86	25.41	/	Pass

4.1.12 30k_SISO_30MHz_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 QPSK	3715.02	Outer_Full	27.27	29.62	/	Pass
	3840	Outer_Full	27.82	29.19	/	Pass
	3964.98	Outer_Full	27.77	29.04	/	Pass
DFT-s-OFDM 16 QAM	3715.02	Outer_Full	27.14	29.23	/	Pass
	3840	Outer_Full	27.03	28.58	/	Pass
	3964.98	Outer_Full	27.49	28.71	/	Pass
DFT-s-OFDM 64 QAM	3715.02	Outer_Full	27.71	28.89	/	Pass
	3840	Outer_Full	27.89	29.58	/	Pass
	3964.98	Outer_Full	27.77	28.95	/	Pass
DFT-s-OFDM 256 QAM	3715.02	Outer_Full	27.72	28.96	/	Pass
	3840	Outer_Full	27.22	29.46	/	Pass
	3964.98	Outer_Full	27.27	29.45	/	Pass
CP-OFDM QPSK	3715.02	Outer_Full	28.91	30.38	/	Pass
	3840	Outer_Full	28.20	30.36	/	Pass
	3964.98	Outer_Full	28.22	36.38	/	Pass
CP-OFDM 16 QAM	3715.02	Outer_Full	28.95	30.21	/	Pass
	3840	Outer_Full	28.77	30.04	/	Pass
	3964.98	Outer_Full	28.77	30.01	/	Pass
CP-OFDM 64 QAM	3715.02	Outer_Full	28.77	29.81	/	Pass
	3840	Outer_Full	28.14	33.54	/	Pass
	3964.98	Outer_Full	28.23	30.49	/	Pass
CP-OFDM 256 QAM	3715.02	Outer_Full	28.75	29.78	/	Pass
	3840	Outer_Full	28.86	30.15	/	Pass
	3964.98	Outer_Full	28.79	29.80	/	Pass

4.1.13 30k_SISO_40MHz_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 QPSK	3720	Outer_Full	36.21	38.95	/	Pass
	3840	Outer_Full	36.66	38.02	/	Pass
	3960	Outer_Full	36.38	38.64	/	Pass
DFT-s-OFDM 16 QAM	3720	Outer_Full	36.39	39.64	/	Pass
	3840	Outer_Full	36.97	38.36	/	Pass
	3960	Outer_Full	36.89	38.77	/	Pass
DFT-s-OFDM 64 QAM	3720	Outer_Full	37.01	38.67	/	Pass
	3840	Outer_Full	36.29	37.98	/	Pass
	3960	Outer_Full	36.90	38.59	/	Pass
DFT-s-OFDM 256 QAM	3720	Outer_Full	36.05	37.82	/	Pass
	3840	Outer_Full	36.22	39.16	/	Pass
	3960	Outer_Full	36.93	38.74	/	Pass
CP-OFDM QPSK	3720	Outer_Full	38.37	40.10	/	Pass
	3840	Outer_Full	38.49	45.66	/	Pass
	3960	Outer_Full	38.46	40.81	/	Pass
CP-OFDM 16 QAM	3720	Outer_Full	39.06	40.17	/	Pass
	3840	Outer_Full	38.28	42.02	/	Pass
	3960	Outer_Full	39.06	40.63	/	Pass
CP-OFDM 64 QAM	3720	Outer_Full	39.03	40.55	/	Pass
	3840	Outer_Full	38.55	41.17	/	Pass
	3960	Outer_Full	39.06	40.84	/	Pass
CP-OFDM 256 QAM	3720	Outer_Full	38.26	40.99	/	Pass

	3840	Outer_Full	38.98	40.63	/	Pass
	3960	Outer_Full	38.99	40.57	/	Pass

4.1.14 30k_SISO_50MHz_NTNV

5G NR n77a SCS=30kHz SISO 50MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	3725.01	Outer_Full	47.14	49.20	/	Pass
	3840	Outer_Full	46.15	49.19	/	Pass
	3954.99	Outer_Full	46.11	49.20	/	Pass
DFT-s-OFDM 16 QAM	3725.01	Outer_Full	47.17	49.16	/	Pass
	3840	Outer_Full	47.22	49.40	/	Pass
	3954.99	Outer_Full	46.30	49.06	/	Pass
DFT-s-OFDM 64 QAM	3725.01	Outer_Full	46.30	52.23	/	Pass
	3840	Outer_Full	46.45	49.74	/	Pass
	3954.99	Outer_Full	47.17	49.45	/	Pass
DFT-s-OFDM 256 QAM	3725.01	Outer_Full	47.19	49.01	/	Pass
	3840	Outer_Full	47.20	49.30	/	Pass
	3954.99	Outer_Full	46.00	49.34	/	Pass
CP-OFDM QPSK	3725.01	Outer_Full	48.13	73.47	/	Pass
	3840	Outer_Full	48.98	51.06	/	Pass
	3954.99	Outer_Full	47.95	66.33	/	Pass
CP-OFDM 16 QAM	3725.01	Outer_Full	48.39	64.21	/	Pass
	3840	Outer_Full	48.95	51.12	/	Pass
	3954.99	Outer_Full	47.93	51.15	/	Pass
CP-OFDM 64 QAM	3725.01	Outer_Full	48.02	64.11	/	Pass
	3840	Outer_Full	48.90	50.78	/	Pass
	3954.99	Outer_Full	48.44	50.31	/	Pass
CP-OFDM 256 QAM	3725.01	Outer_Full	47.87	50.88	/	Pass
	3840	Outer_Full	47.89	50.98	/	Pass
	3954.99	Outer_Full	48.86	50.81	/	Pass

4.1.15 30k_SISO_60MHz_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 QPSK	3730.02	Outer_Full	59.64	62.16	/	Pass
	3840	Outer_Full	58.23	62.28	/	Pass
	3949.98	Outer_Full	59.81	62.28	/	Pass
DFT-s-OFDM 16 QAM	3730.02	Outer_Full	58.30	62.09	/	Pass
	3840	Outer_Full	58.37	62.23	/	Pass
	3949.98	Outer_Full	59.58	62.12	/	Pass
DFT-s-OFDM 64 QAM	3730.02	Outer_Full	59.40	62.14	/	Pass
	3840	Outer_Full	59.72	62.30	/	Pass
	3949.98	Outer_Full	58.55	62.23	/	Pass
DFT-s-OFDM 256 QAM	3730.02	Outer_Full	59.47	62.01	/	Pass
	3840	Outer_Full	58.26	62.16	/	Pass
	3949.98	Outer_Full	58.23	61.26	/	Pass
CP-OFDM QPSK	3730.02	Outer_Full	58.33	65.12	/	Pass
	3840	Outer_Full	59.54	61.82	/	Pass
	3949.98	Outer_Full	58.46	62.18	/	Pass
CP-OFDM 16 QAM	3730.02	Outer_Full	59.59	62.14	/	Pass
	3840	Outer_Full	59.22	61.19	/	Pass
	3949.98	Outer_Full	59.55	62.45	/	Pass

CP-OFDM 64 QAM	3730.02	Outer_Full	59.59	62.22	/	Pass
	3840	Outer_Full	58.27	62.40	/	Pass
	3949.98	Outer_Full	59.33	61.36	/	Pass
CP-OFDM 256 QAM	3730.02	Outer_Full	58.12	61.88	/	Pass
	3840	Outer_Full	59.72	62.10	/	Pass
	3949.98	Outer_Full	59.89	62.48	/	Pass

4.1.16 30k_SISO_70MHz_NTNV

5G NR n77a SCS=30kHz SISO 70MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	3735	Outer_Full	66.39	69.68	/	Pass
	3840	Outer_Full	66.49	69.48	/	Pass
	3945	Outer_Full	65.44	69.50	/	Pass
DFT-s-OFDM 16 QAM	3735	Outer_Full	66.39	68.91	/	Pass
	3840	Outer_Full	65.40	68.27	/	Pass
	3945	Outer_Full	65.32	69.78	/	Pass
DFT-s-OFDM 64 QAM	3735	Outer_Full	66.46	69.59	/	Pass
	3840	Outer_Full	65.95	68.24	/	Pass
	3945	Outer_Full	65.82	68.21	/	Pass
DFT-s-OFDM 256 QAM	3735	Outer_Full	66.58	69.16	/	Pass
	3840	Outer_Full	66.51	69.52	/	Pass
	3945	Outer_Full	65.07	69.60	/	Pass
CP-OFDM QPSK	3735	Outer_Full	68.42	71.26	/	Pass
	3840	Outer_Full	69.87	72.86	/	Pass
	3945	Outer_Full	68.51	72.56	/	Pass
CP-OFDM 16 QAM	3735	Outer_Full	68.42	71.26	/	Pass
	3840	Outer_Full	68.70	71.37	/	Pass
	3945	Outer_Full	68.68	74.56	/	Pass
CP-OFDM 64 QAM	3735	Outer_Full	69.77	72.86	/	Pass
	3840	Outer_Full	68.51	73.09	/	Pass
	3945	Outer_Full	65.40	68.27	/	Pass
CP-OFDM 256 QAM	3735	Outer_Full	69.52	72.34	/	Pass
	3840	Outer_Full	69.95	72.57	/	Pass
	3945	Outer_Full	69.88	72.50	/	Pass

4.1.17 30k_SISO_80MHz_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 QPSK	3740.01	Outer_Full	79.25	82.86	/	Pass
	3840	Outer_Full	77.74	83.06	/	Pass
	3939.99	Outer_Full	77.75	82.68	/	Pass
DFT-s-OFDM 16 QAM	3740.01	Outer_Full	77.59	82.89	/	Pass
	3840	Outer_Full	79.52	83.01	/	Pass
	3939.99	Outer_Full	77.78	83.95	/	Pass
DFT-s-OFDM 64 QAM	3740.01	Outer_Full	77.63	83.13	/	Pass
	3840	Outer_Full	77.67	83.02	/	Pass
	3939.99	Outer_Full	77.59	82.80	/	Pass
DFT-s-OFDM 256 QAM	3740.01	Outer_Full	79.60	83.26	/	Pass
	3840	Outer_Full	77.76	82.89	/	Pass
	3939.99	Outer_Full	79.94	83.74	/	Pass
CP-OFDM QPSK	3740.01	Outer_Full	79.86	82.98	/	Pass
	3840	Outer_Full	78.12	82.11	/	Pass

	3939.99	Outer_Full	78.34	83.36	/	Pass
CP-OFDM 16 QAM	3740.01	Outer_Full	78.34	94.60	/	Pass
	3840	Outer_Full	78.26	84.59	/	Pass
	3939.99	Outer_Full	78.26	84.59	/	Pass
CP-OFDM 64 QAM	3740.01	Outer_Full	78.75	81.83	/	Pass
	3840	Outer_Full	78.09	83.81	/	Pass
	3939.99	Outer_Full	78.62	83.46	/	Pass
CP-OFDM 256 QAM	3740.01	Outer_Full	79.41	82.51	/	Pass
	3840	Outer_Full	78.09	83.32	/	Pass
	3939.99	Outer_Full	78.34	83.36	/	Pass

4.1.18 30k_SISO_90MHz_NTNV

5G NR n77a SCS=30kHz SISO 90MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	3745.02	Outer_Full	89.06	93.00	/	Pass
	3840	Outer_Full	87.31	93.30	/	Pass
	3934.98	Outer_Full	89.46	93.39	/	Pass
DFT-s-OFDM 16 QAM	3745.02	Outer_Full	87.36	93.07	/	Pass
	3840	Outer_Full	87.15	93.38	/	Pass
	3934.98	Outer_Full	89.56	93.56	/	Pass
DFT-s-OFDM 64 QAM	3745.02	Outer_Full	89.31	93.10	/	Pass
	3840	Outer_Full	89.28	94.43	/	Pass
	3934.98	Outer_Full	89.21	91.83	/	Pass
DFT-s-OFDM 256 QAM	3745.02	Outer_Full	87.77	92.97	/	Pass
	3840	Outer_Full	87.49	93.32	/	Pass
	3934.98	Outer_Full	87.52	92.86	/	Pass
CP-OFDM QPSK	3745.02	Outer_Full	88.19	100.39	/	Pass
	3840	Outer_Full	88.30	97.86	/	Pass
	3934.98	Outer_Full	88.37	92.85	/	Pass
CP-OFDM 16 QAM	3745.02	Outer_Full	88.43	99.59	/	Pass
	3840	Outer_Full	87.97	94.10	/	Pass
	3934.98	Outer_Full	87.31	93.30	/	Pass
CP-OFDM 64 QAM	3745.02	Outer_Full	87.77	92.97	/	Pass
	3840	Outer_Full	88.42	93.67	/	Pass
	3934.98	Outer_Full	88.21	93.96	/	Pass
CP-OFDM 256 QAM	3745.02	Outer_Full	88.00	93.66	/	Pass
	3840	Outer_Full	89.50	94.99	/	Pass
	3934.98	Outer_Full	87.77	92.97	/	Pass

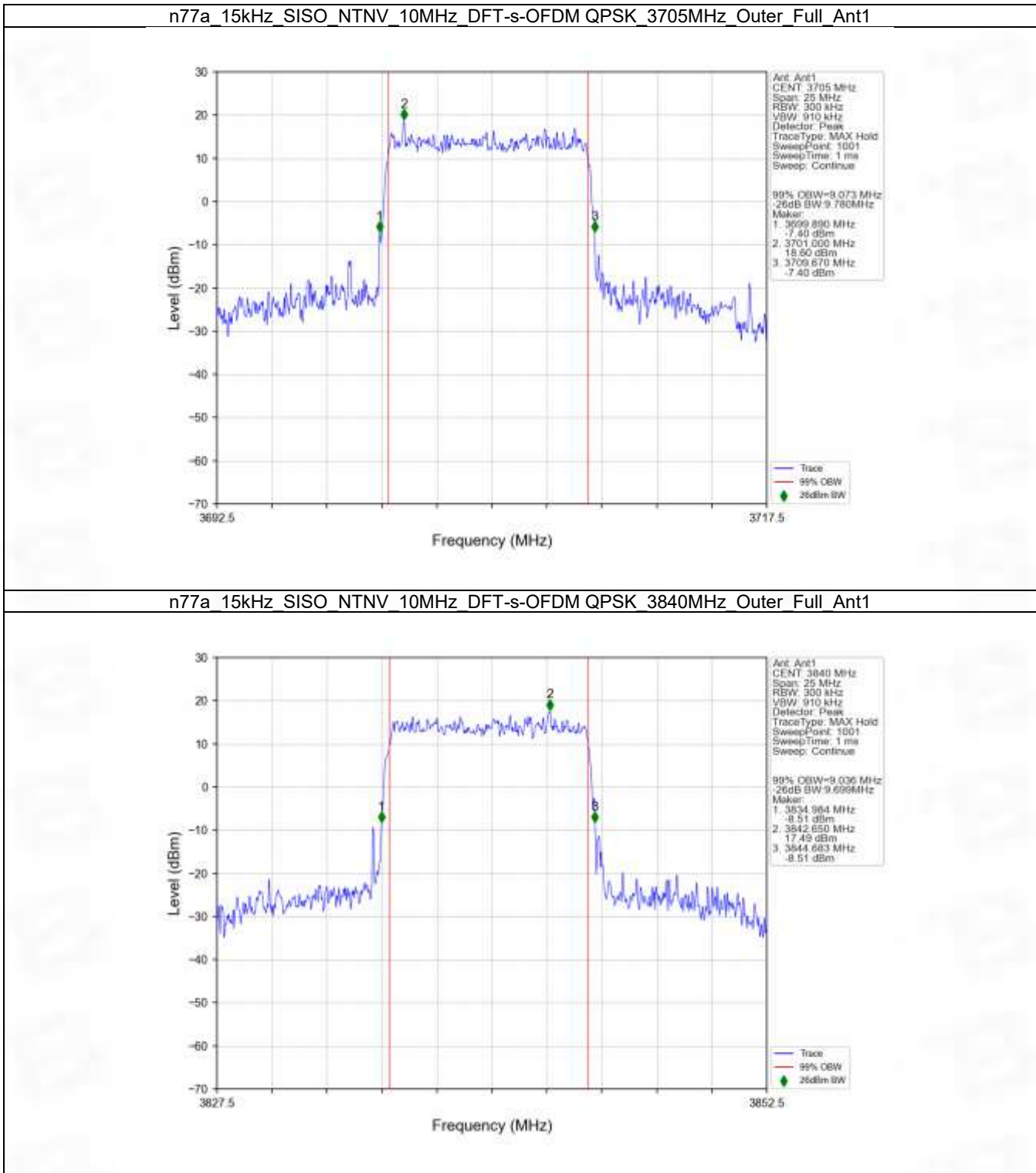
4.1.19 30k_SISO_100MHz_NTNV

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 QPSK	3750	Outer_Full	97.15	103.47	/	Pass
	3840	Outer_Full	99.12	103.48	/	Pass
	3930	Outer_Full	99.77	103.89	/	Pass
DFT-s-OFDM 16 QAM	3750	Outer_Full	99.11	103.19	/	Pass
	3840	Outer_Full	96.94	103.42	/	Pass
	3930	Outer_Full	97.00	102.23	/	Pass
DFT-s-OFDM 64 QAM	3750	Outer_Full	99.14	103.82	/	Pass
	3840	Outer_Full	99.31	103.66	/	Pass
	3930	Outer_Full	99.55	103.93	/	Pass
DFT-s-OFDM 256	3750	Outer_Full	96.99	103.44	/	Pass

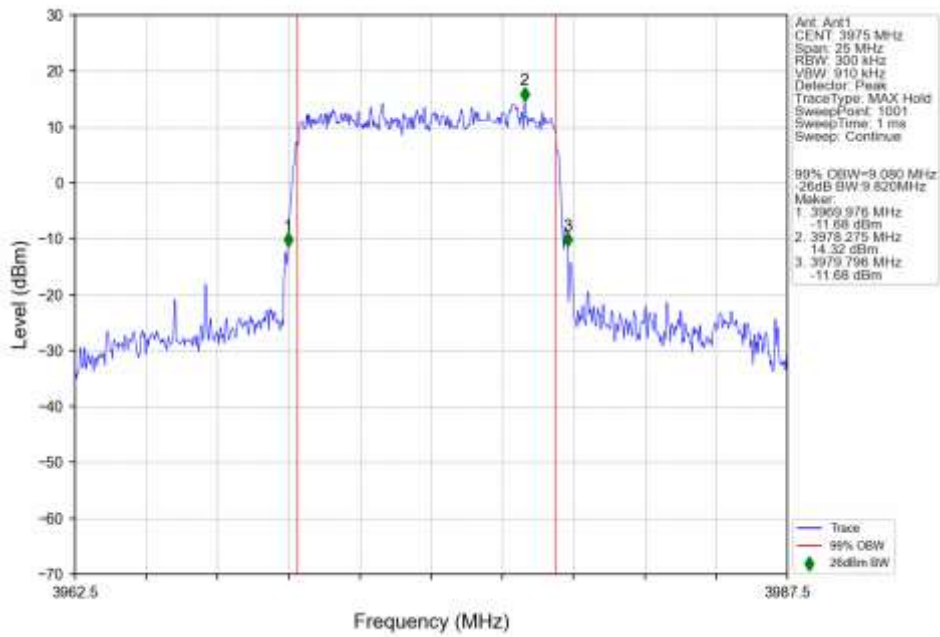
QAM	3840	Outer_Full	99.38	103.66	/	Pass
	3930	Outer_Full	97.26	101.56	/	Pass
CP-OFDM QPSK	3750	Outer_Full	97.98	104.58	/	Pass
	3840	Outer_Full	98.14	104.14	/	Pass
	3930	Outer_Full	98.32	103.08	/	Pass
CP-OFDM 16 QAM	3750	Outer_Full	99.12	103.48	/	Pass
	3840	Outer_Full	97.00	102.23	/	Pass
	3930	Outer_Full	98.19	107.93	/	Pass
CP-OFDM 64 QAM	3750	Outer_Full	98.30	112.14	/	Pass
	3840	Outer_Full	98.14	104.14	/	Pass
	3930	Outer_Full	99.14	103.82	/	Pass
CP-OFDM 256 QAM	3750	Outer_Full	97.88	104.28	/	Pass
	3840	Outer_Full	97.98	104.58	/	Pass
	3930	Outer_Full	99.31	103.66	/	Pass

4.2 Test Graph

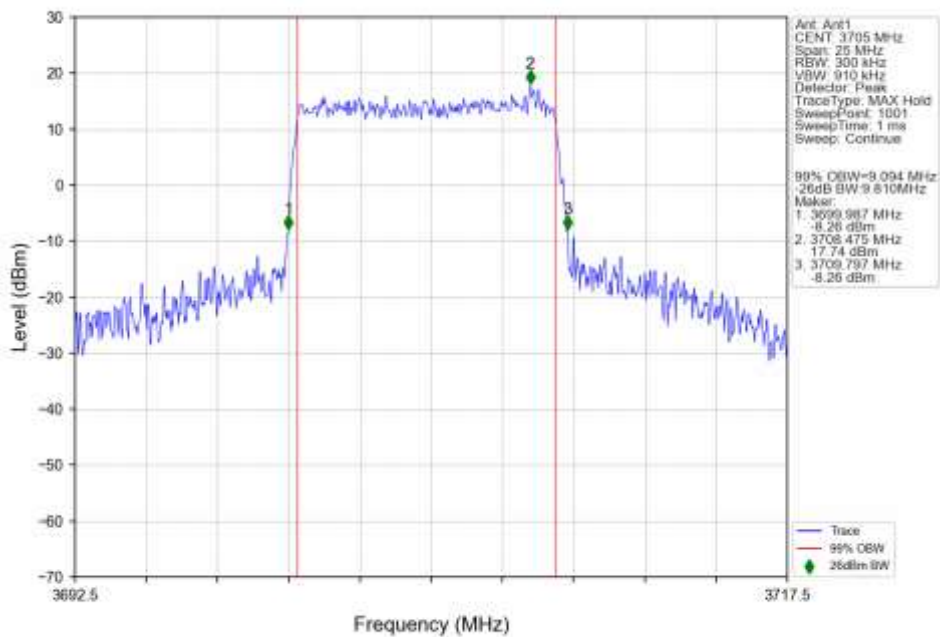
4.2.1 15k_SISO_10MHz_NTNV



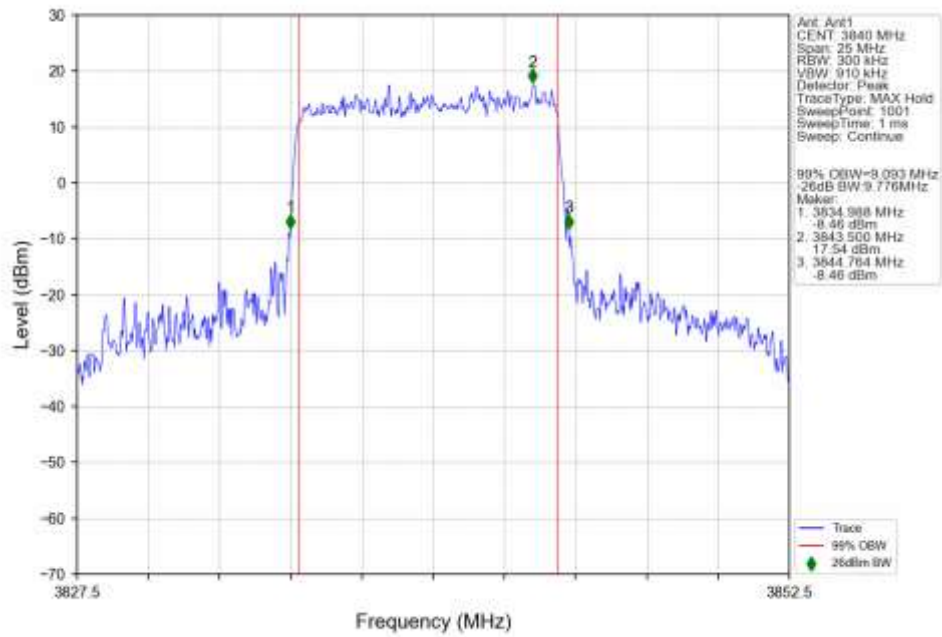
n77a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3975MHz_Outer_Full_Ant1



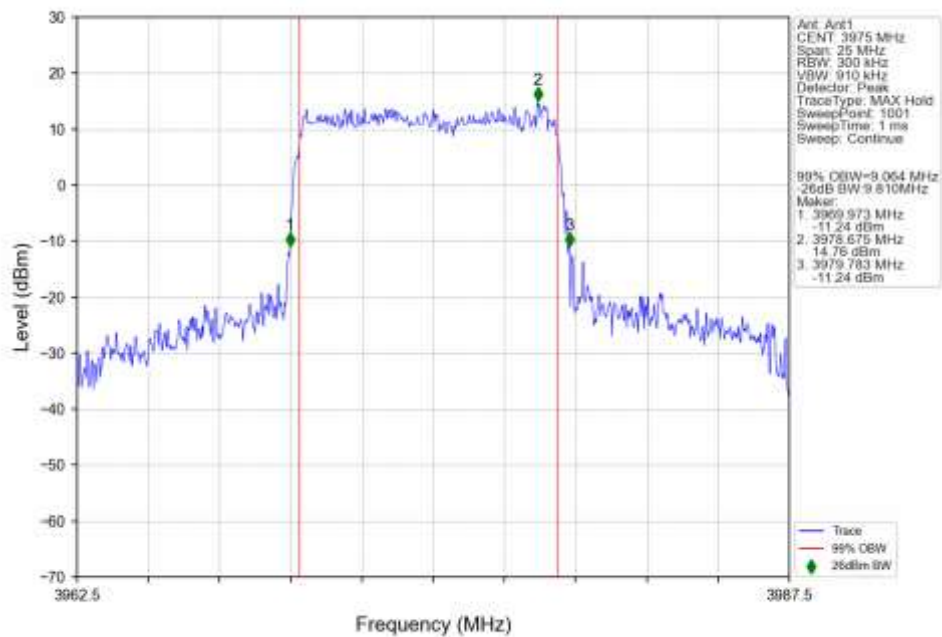
n77a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_3705MHz_Outer_Full_Ant1



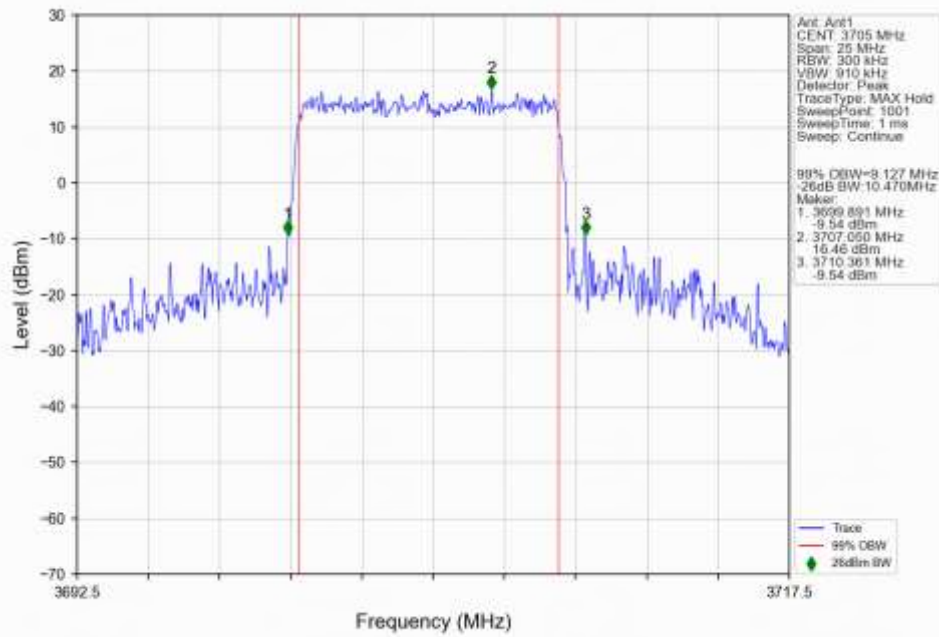
n77a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_3840MHz_Outer_Full_Ant1



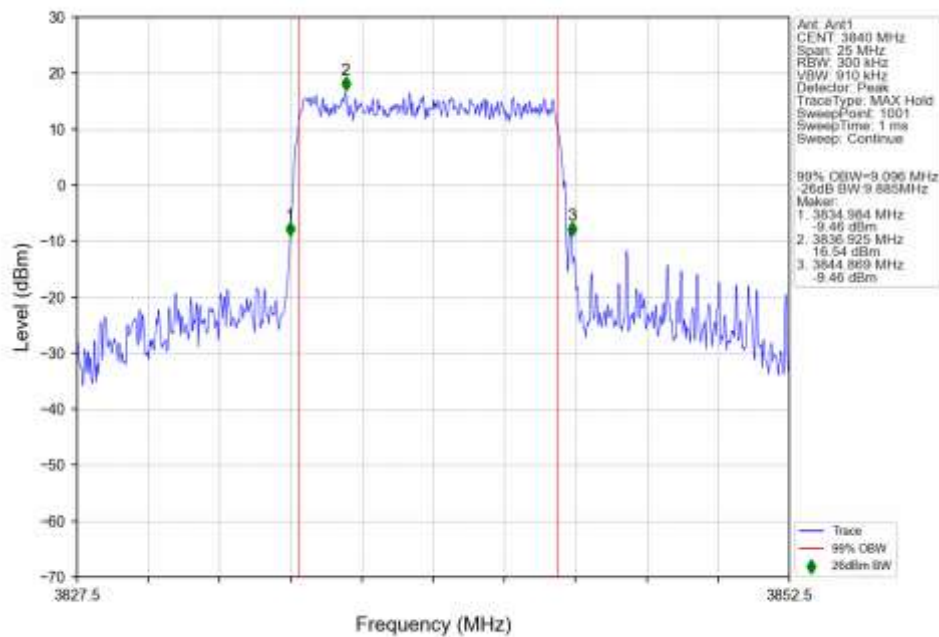
n77a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_3975MHz_Outer_Full_Ant1



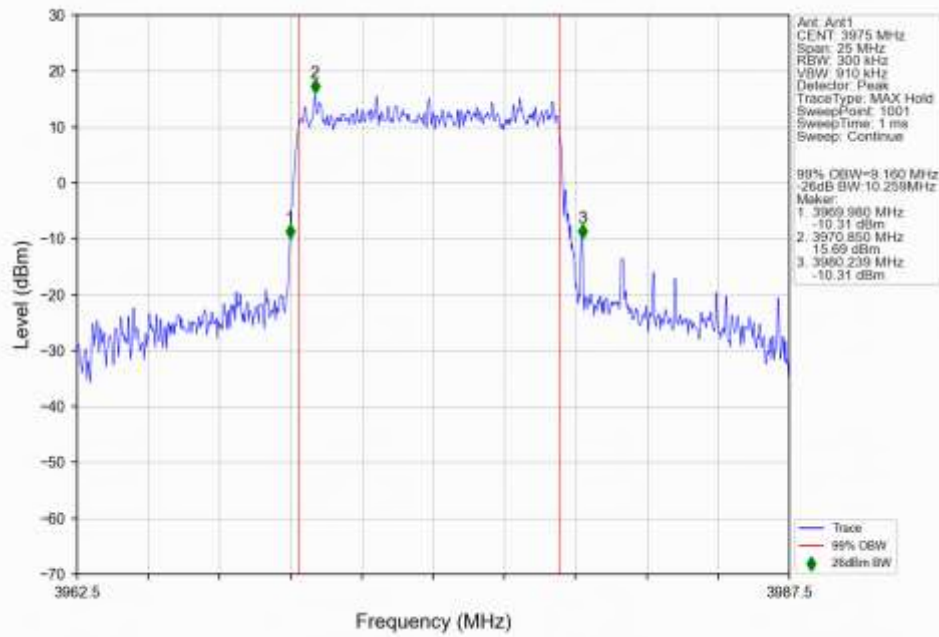
n77a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_3705MHz_Outer_Full_Ant1



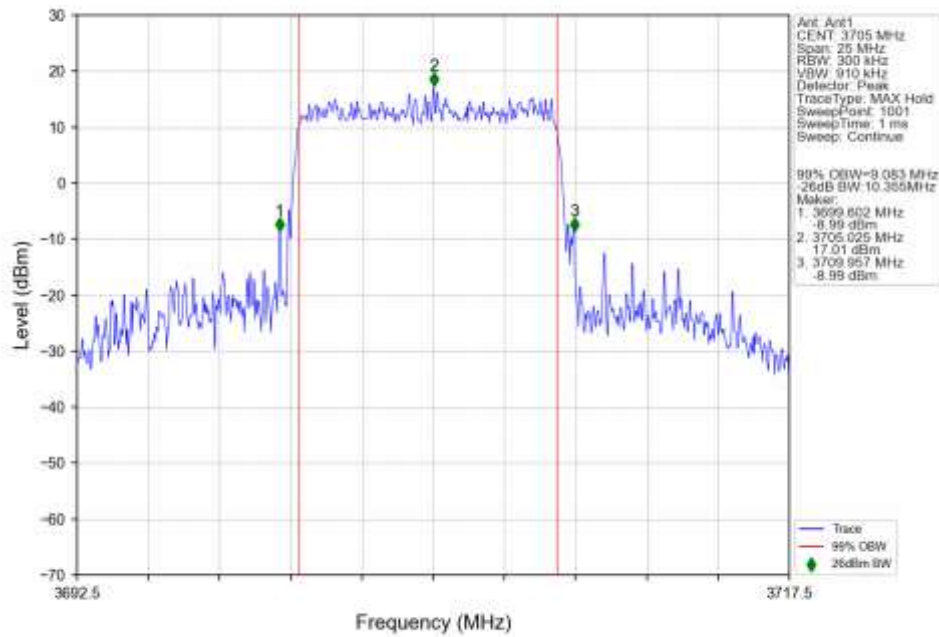
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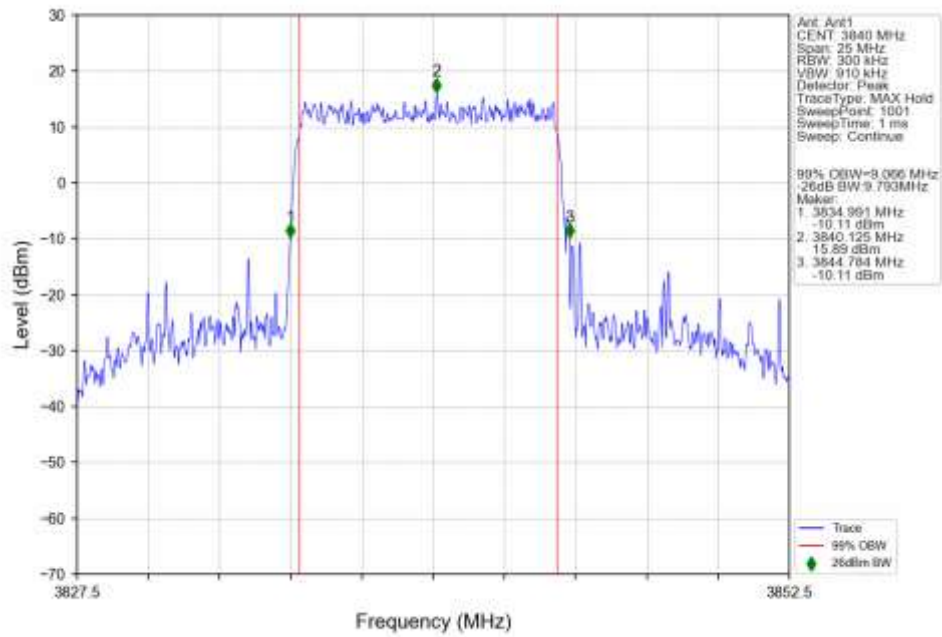
n77a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_3975MHz_Outer_Full_Ant1



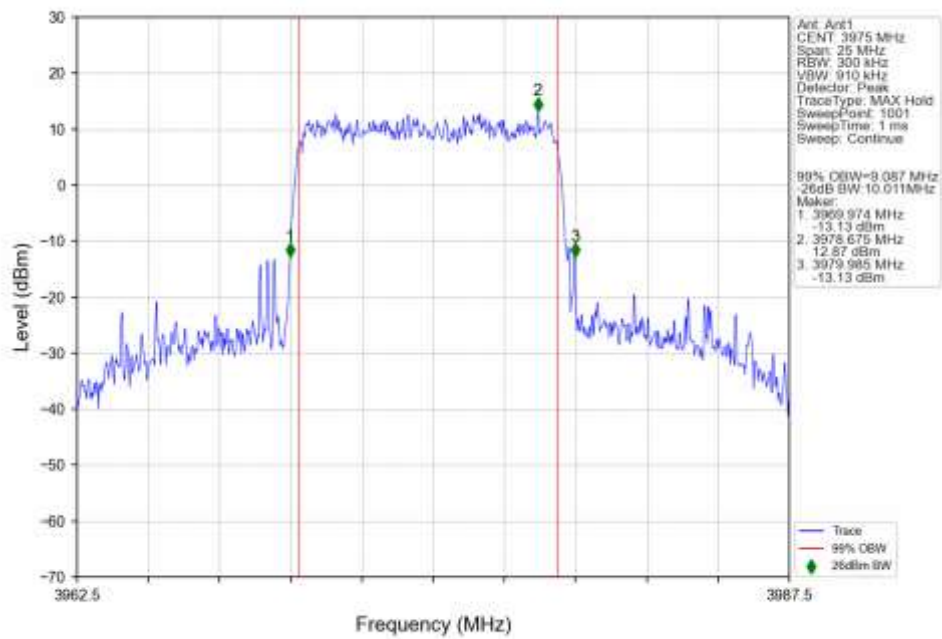
n77a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_3705MHz_Outer_Full_Ant1



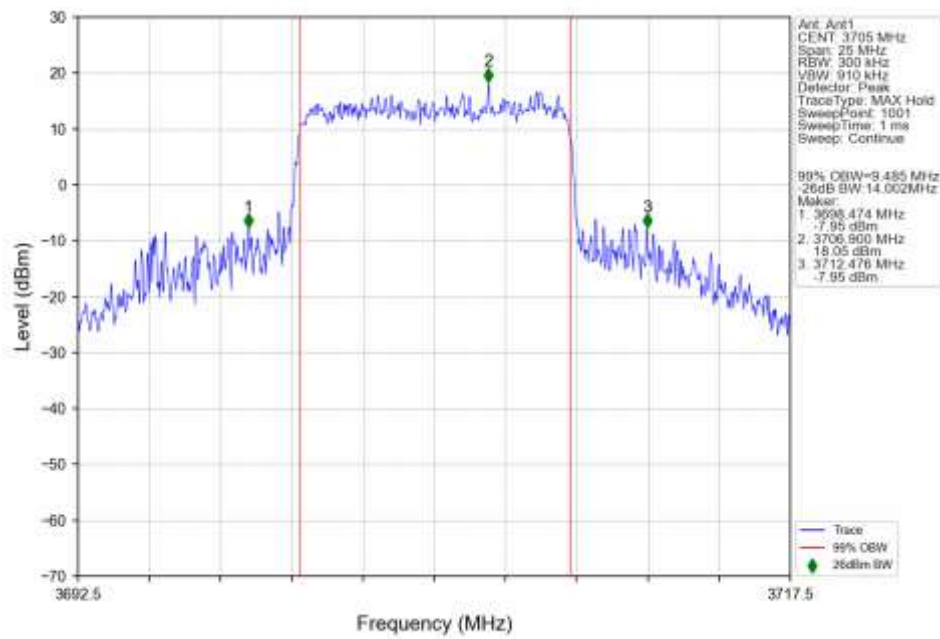
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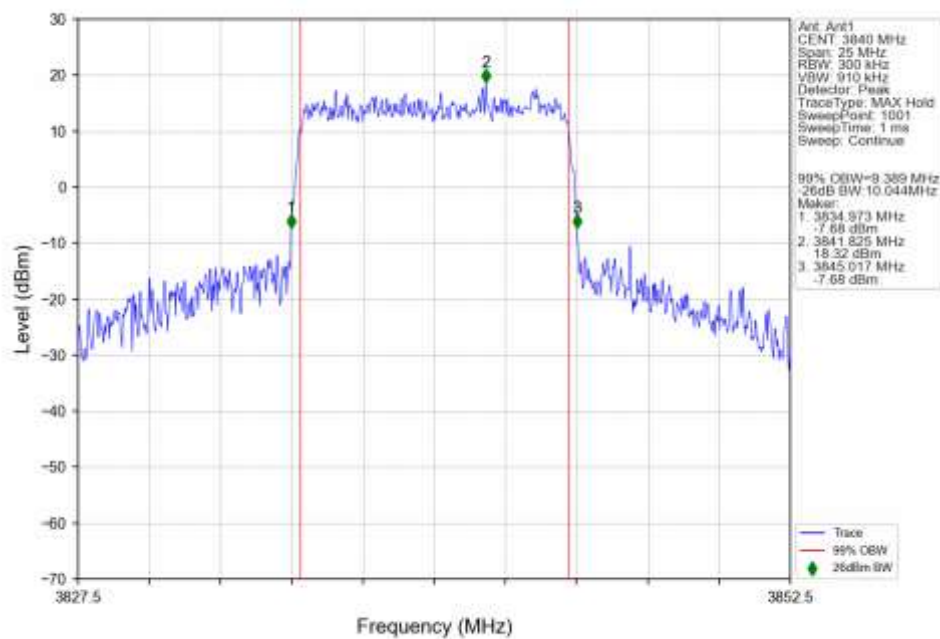
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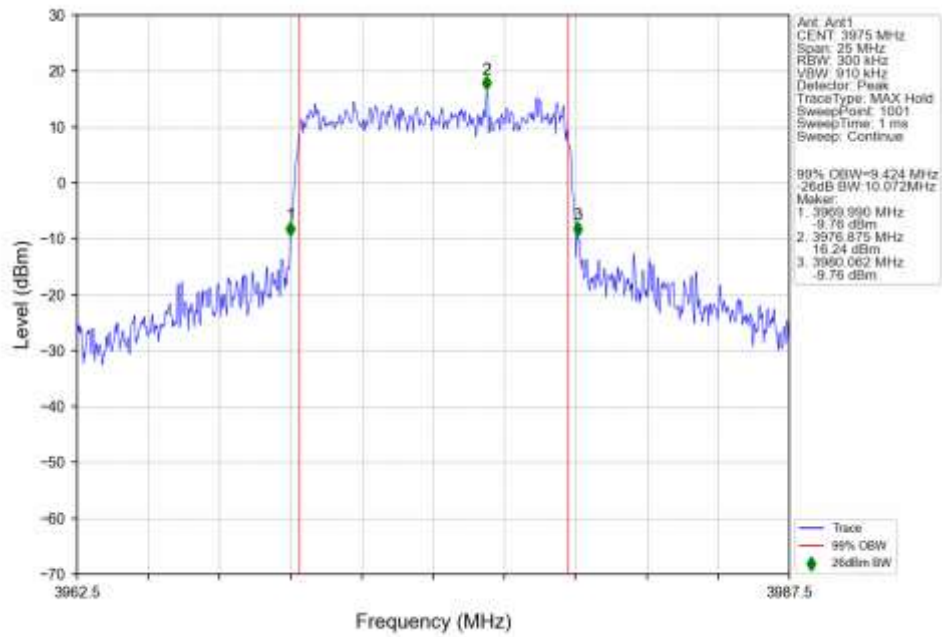
n77a_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3705MHz_Outer_Full_Ant1



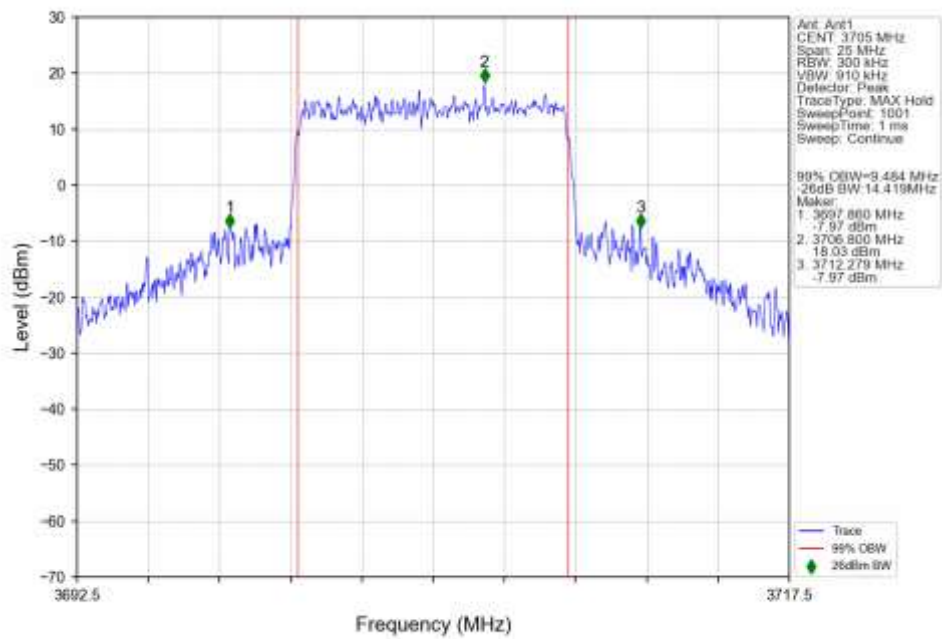
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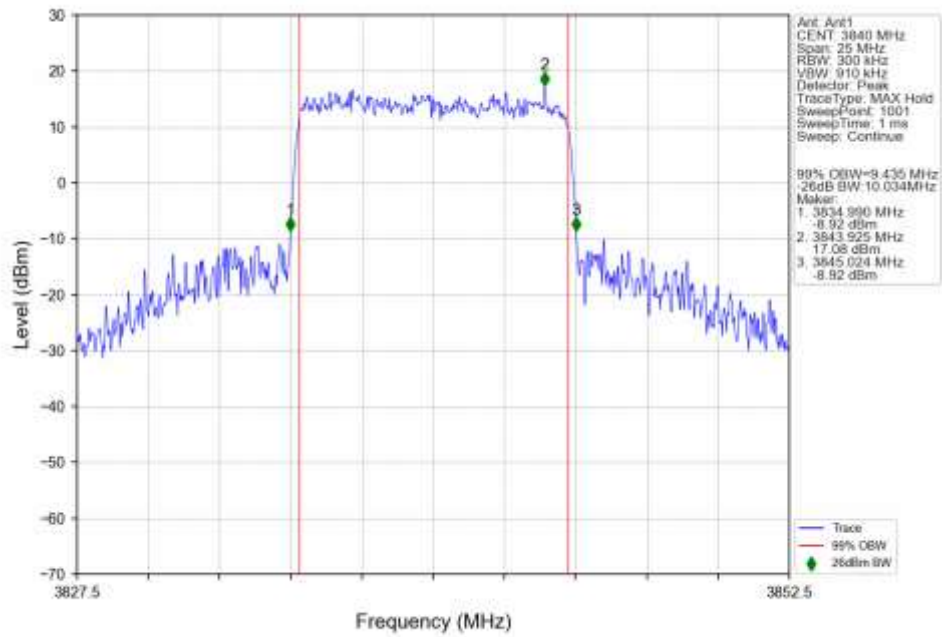
n77a 15kHz SISO NTN 10MHz CP-OFDM QPSK 3975MHz Outer Full Ant1



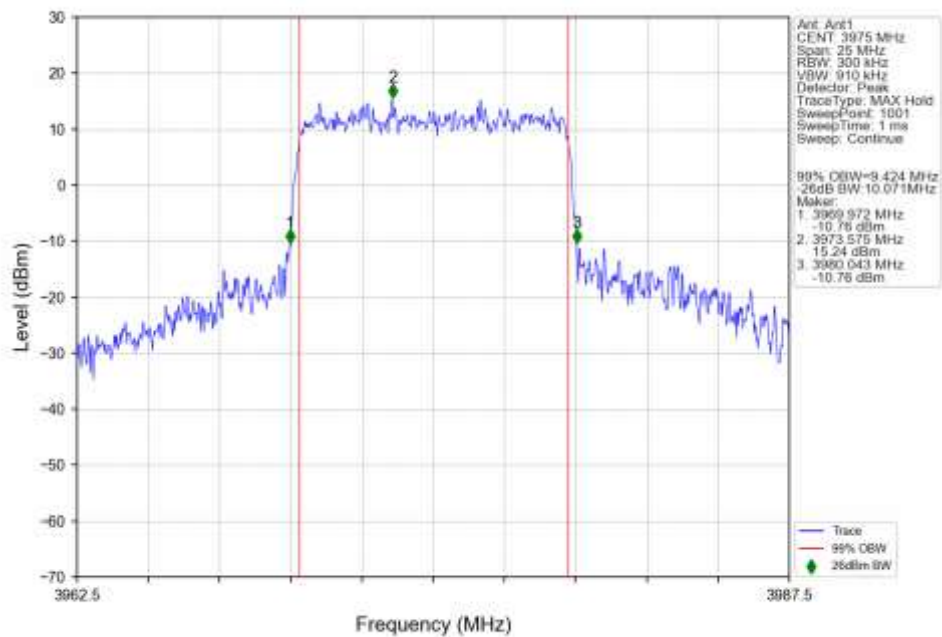
n77a 15kHz SISO NTN 10MHz CP-OFDM 16 QAM 3705MHz Outer Full Ant1



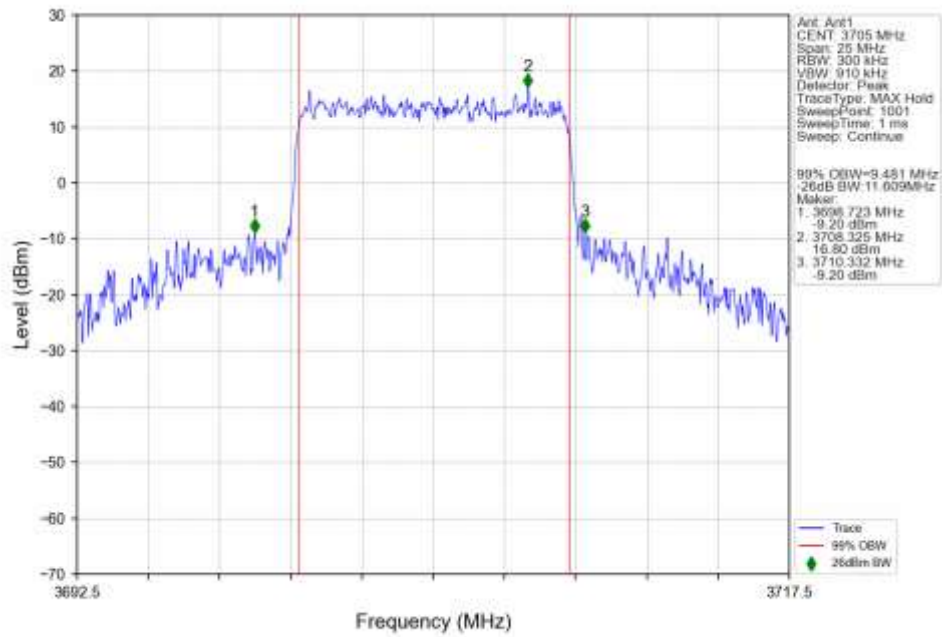
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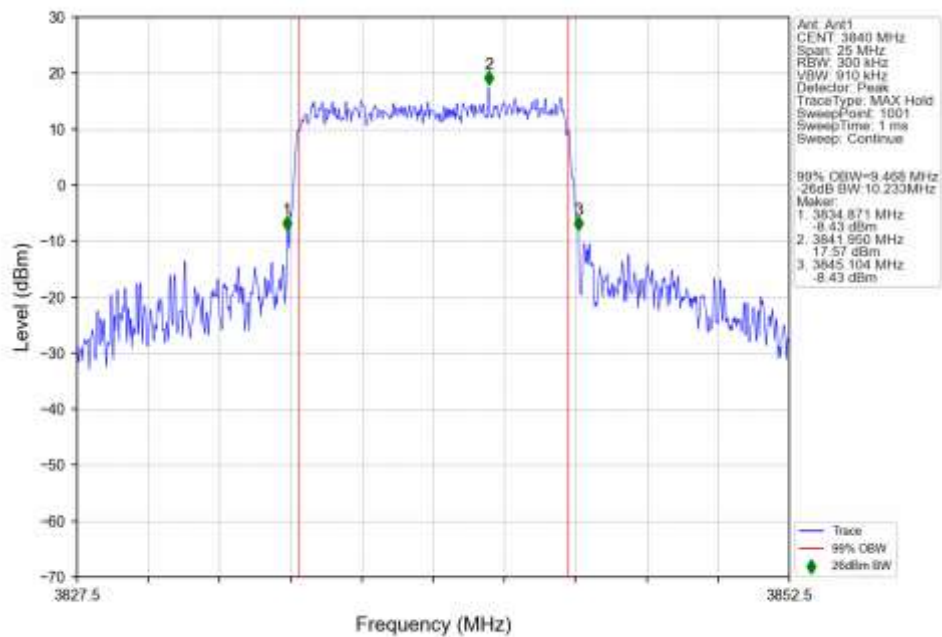
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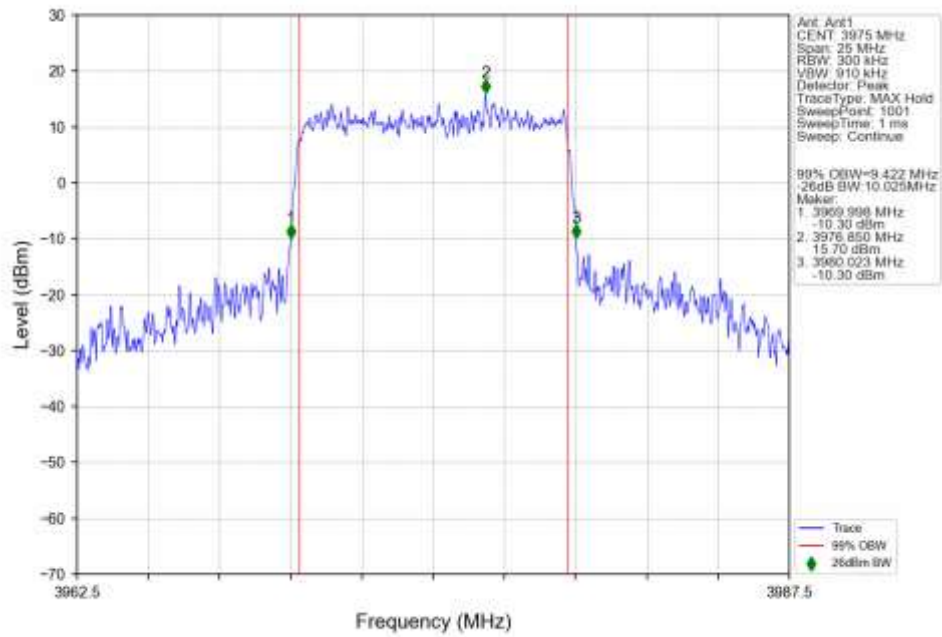
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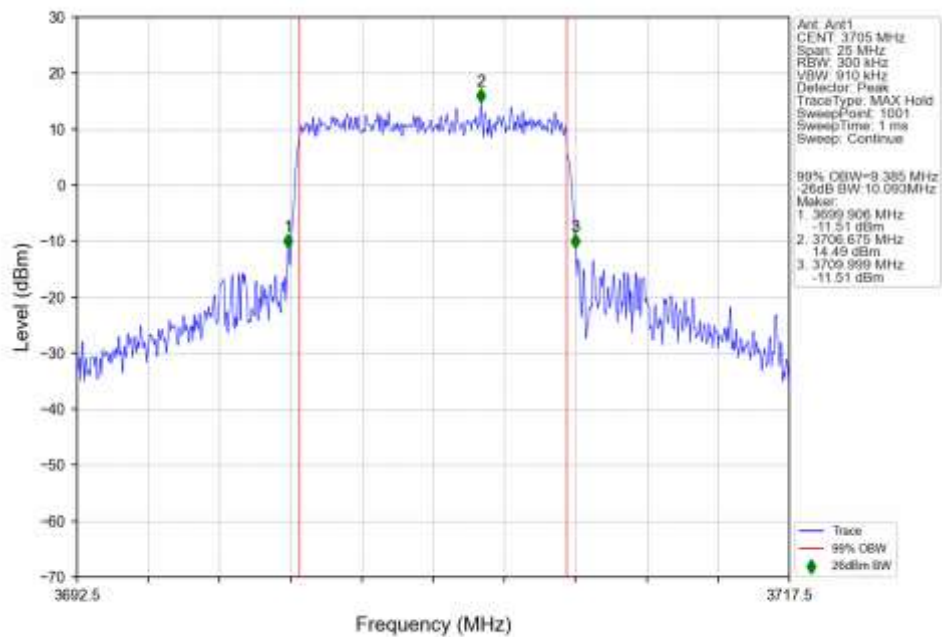
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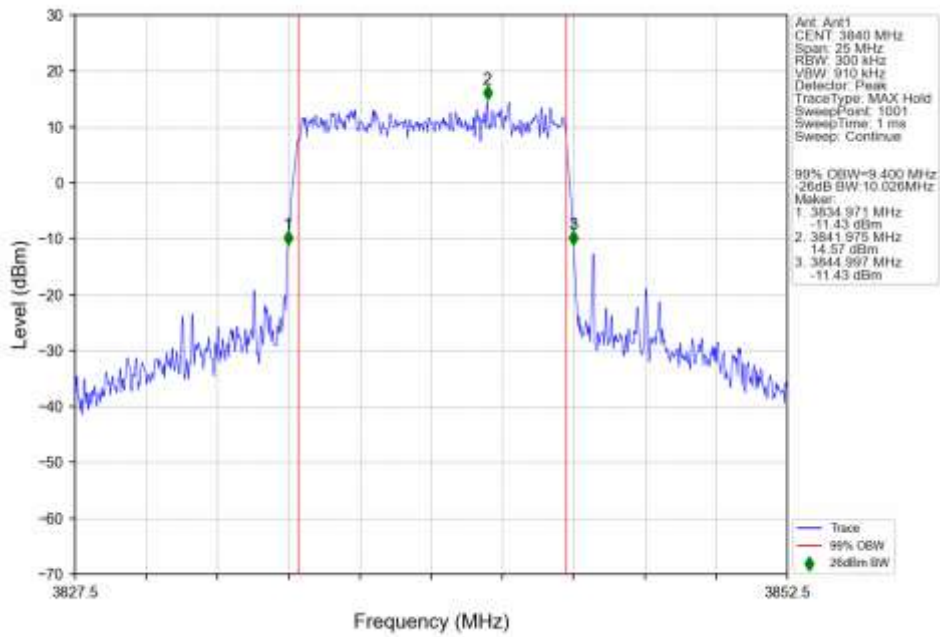
n77a 15kHz SISO NTN 10MHz CP-OFDM 64 QAM 3975MHz Outer Full Ant1



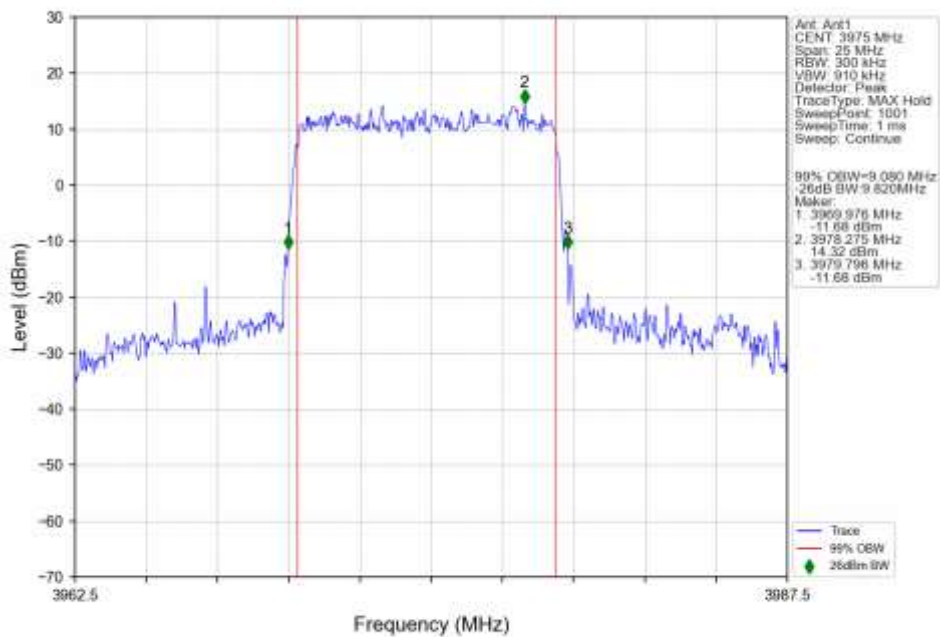
n77a 15kHz SISO NTN 10MHz CP-OFDM 256 QAM 3705MHz Outer Full Ant1



n77a_15kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_3840MHz_Outer_Full_Ant1

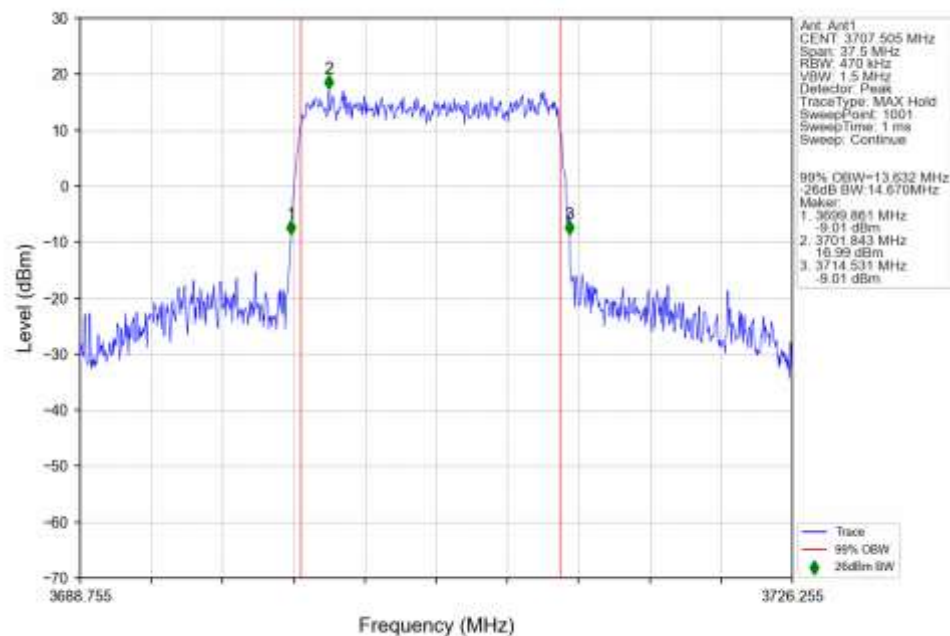


n77a_15kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_3975MHz_Outer_Full_Ant1

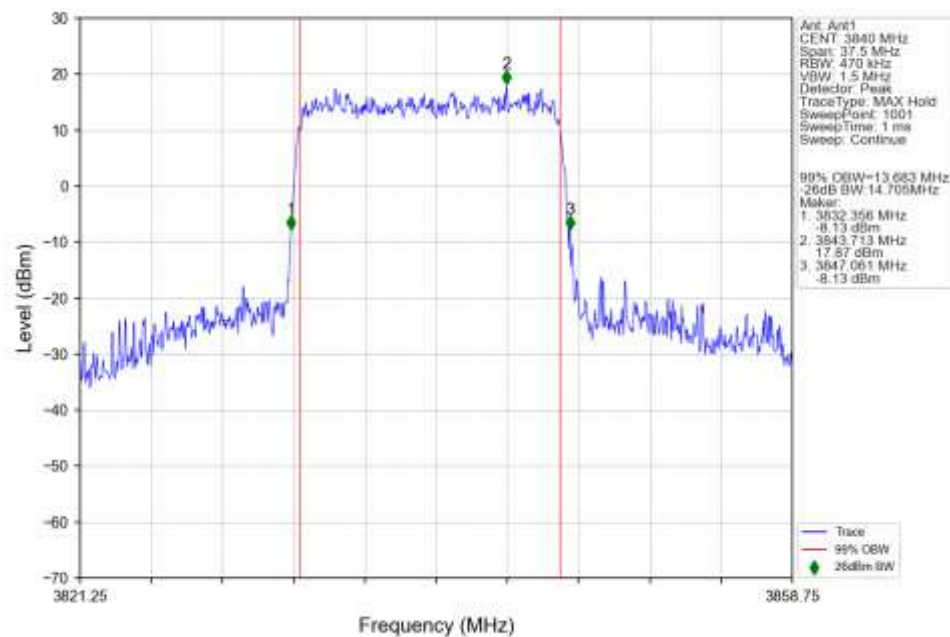


4.2.2 15k_SISO_15MHz_NTNV

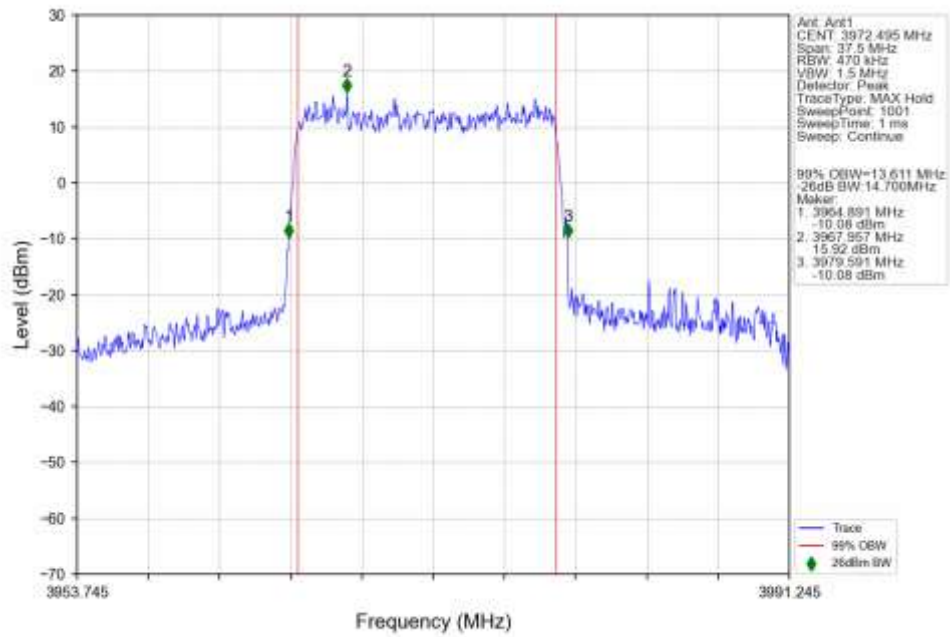
n77a_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_QPSK_3707.505MHz_Outer_Full_Ant1



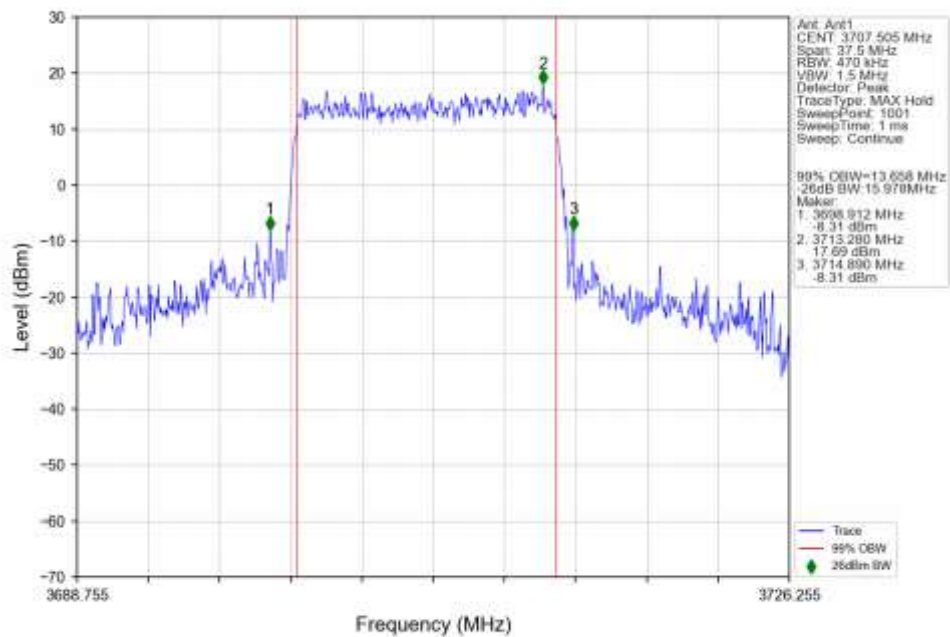
n77a_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_QPSK_3840MHz_Outer_Full_Ant1



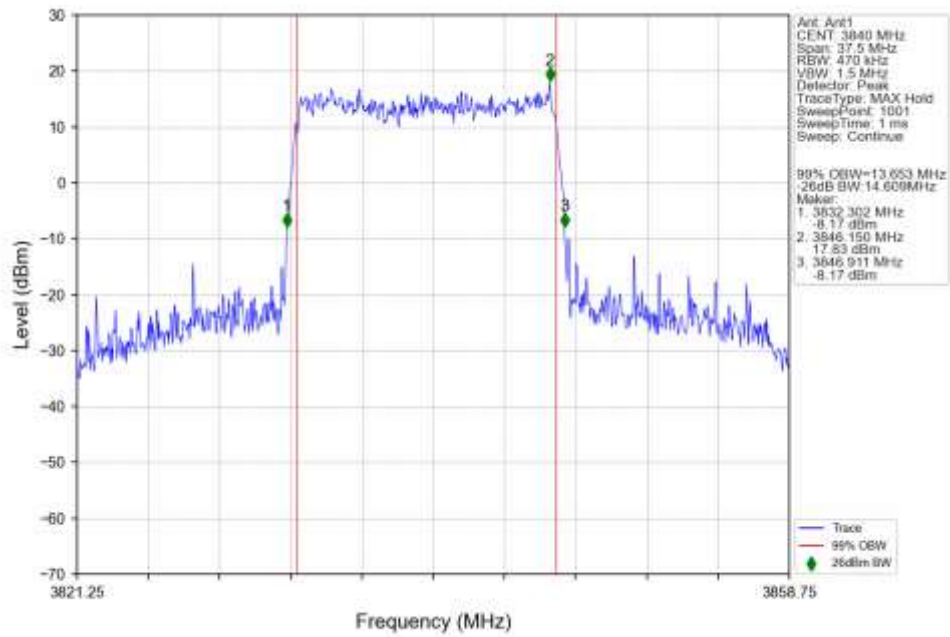
n77a_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_QPSK_3972.495MHz_Outer_Full_Ant1



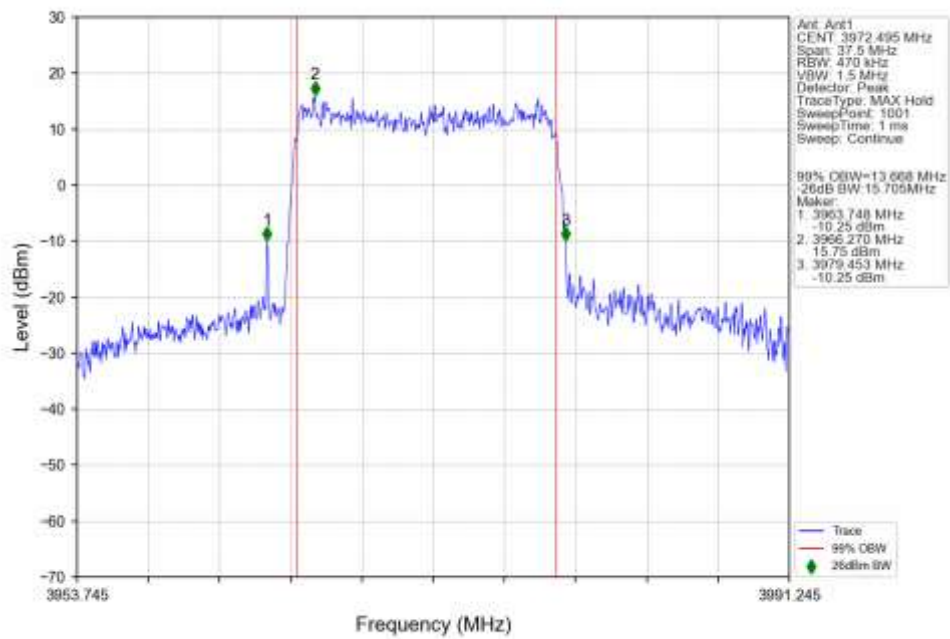
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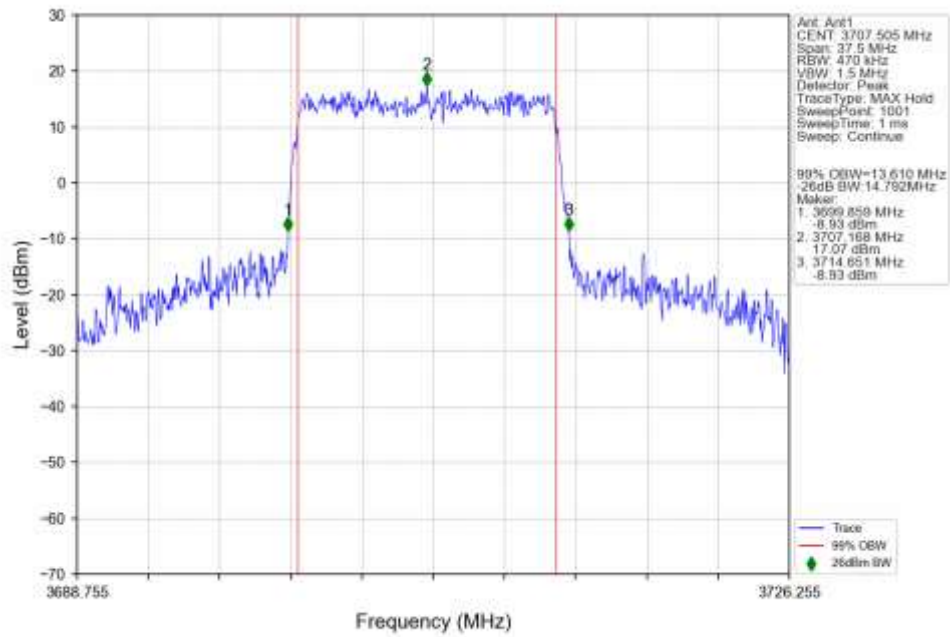
n77a 15kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 3840MHz Outer Full Ant1



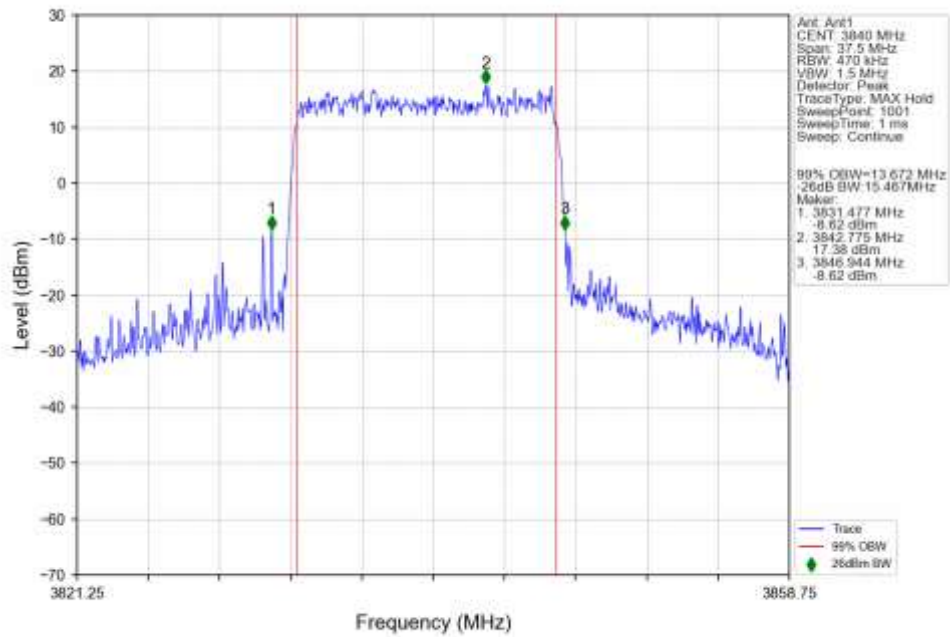
n77a 15kHz SISO NTN 15MHz DFT-s-OFDM 16 QAM 3972.495MHz Outer Full Ant1



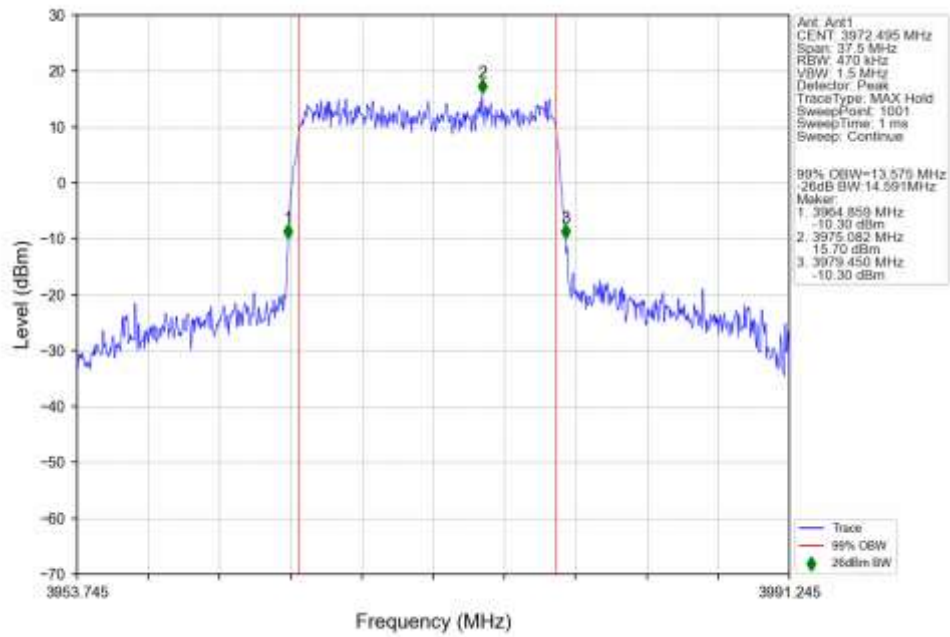
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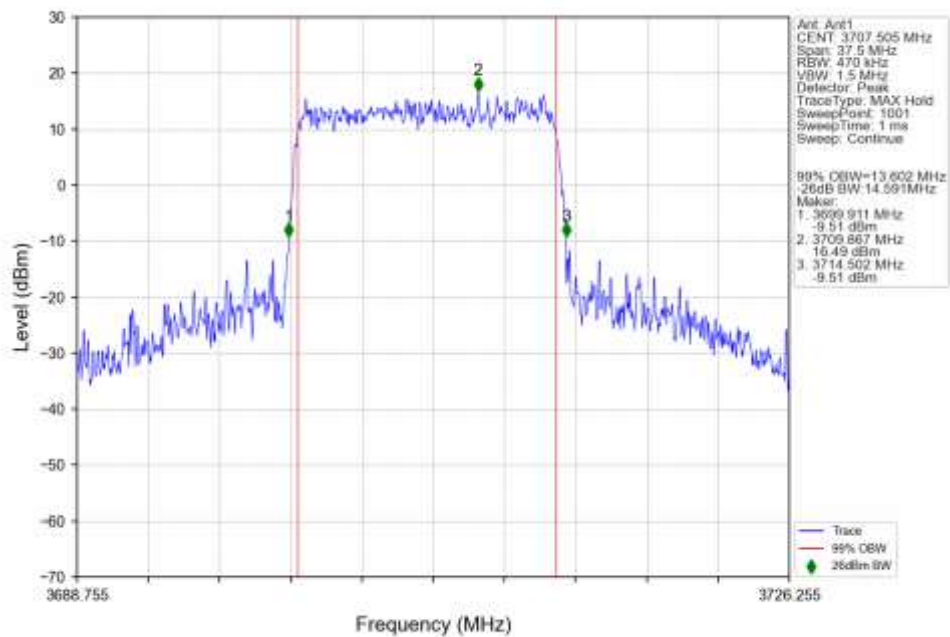
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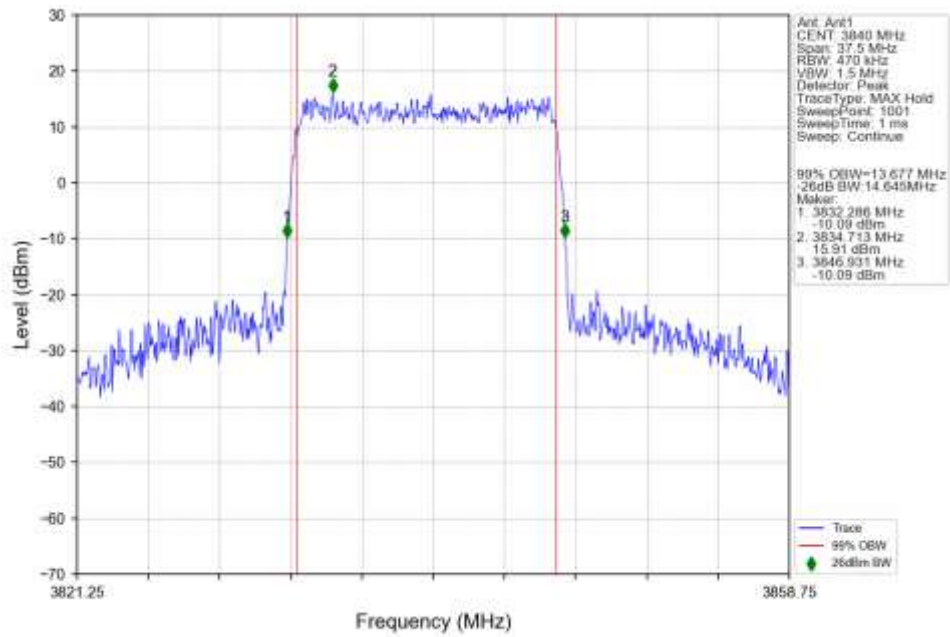
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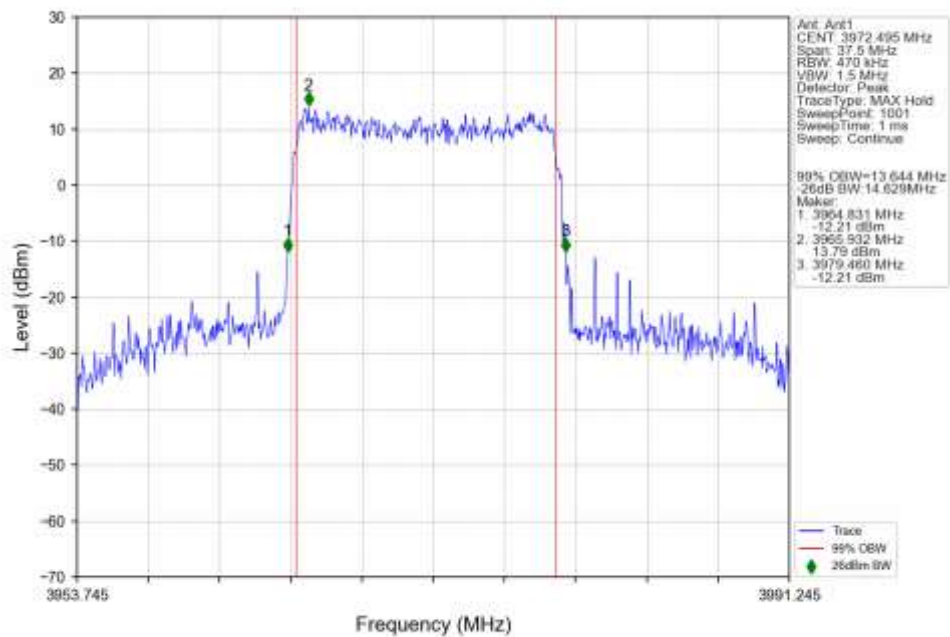
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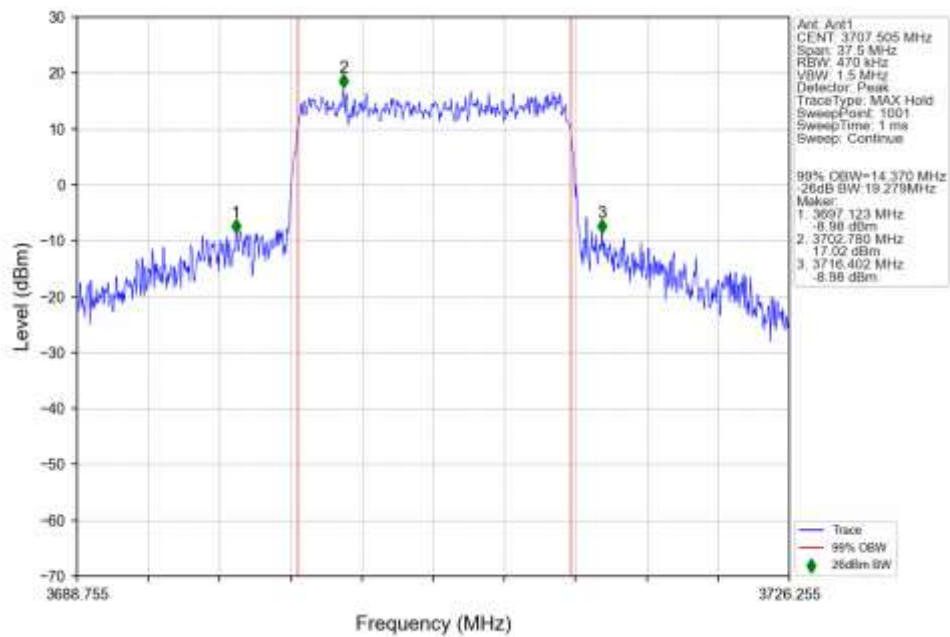
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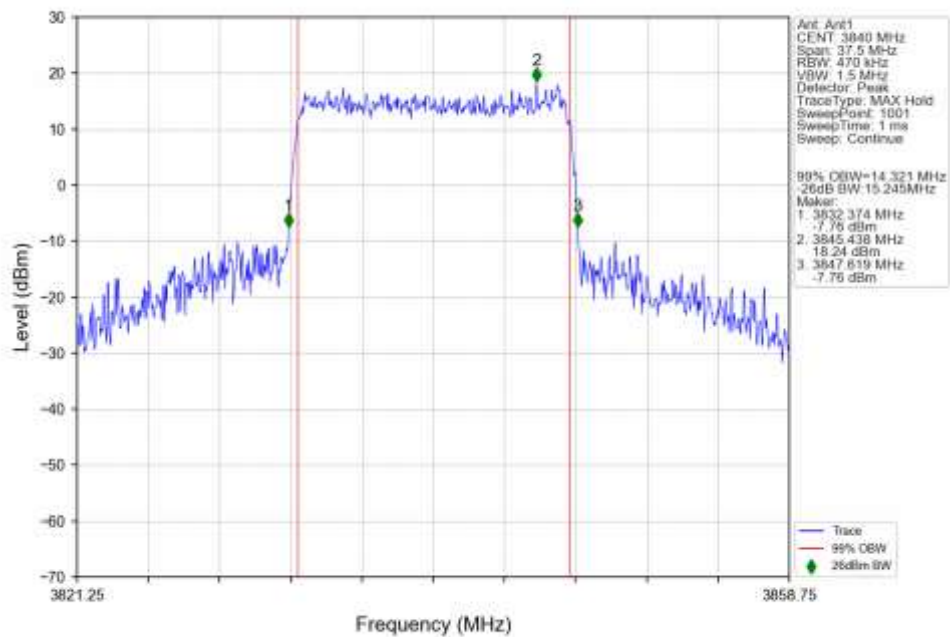
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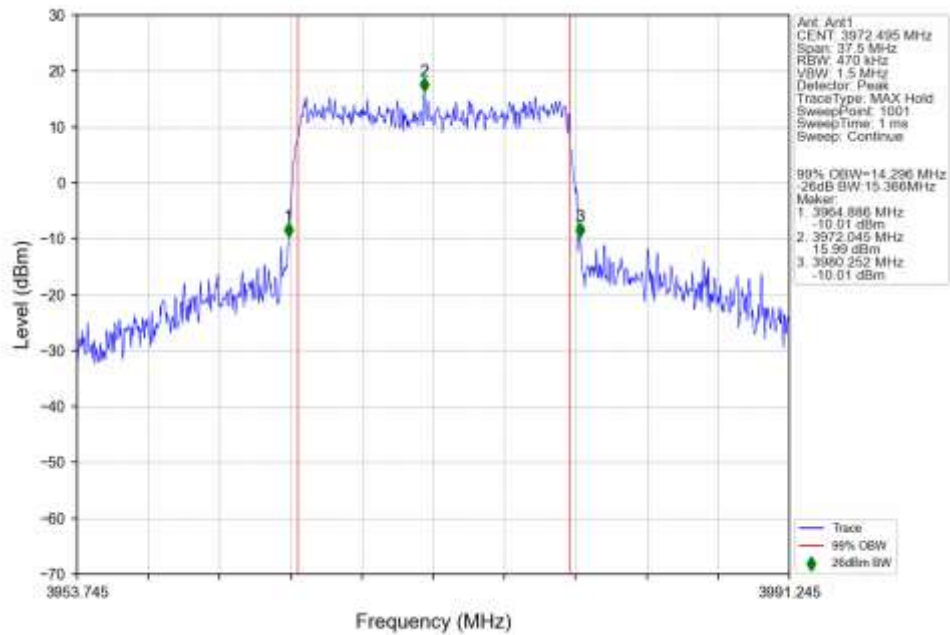
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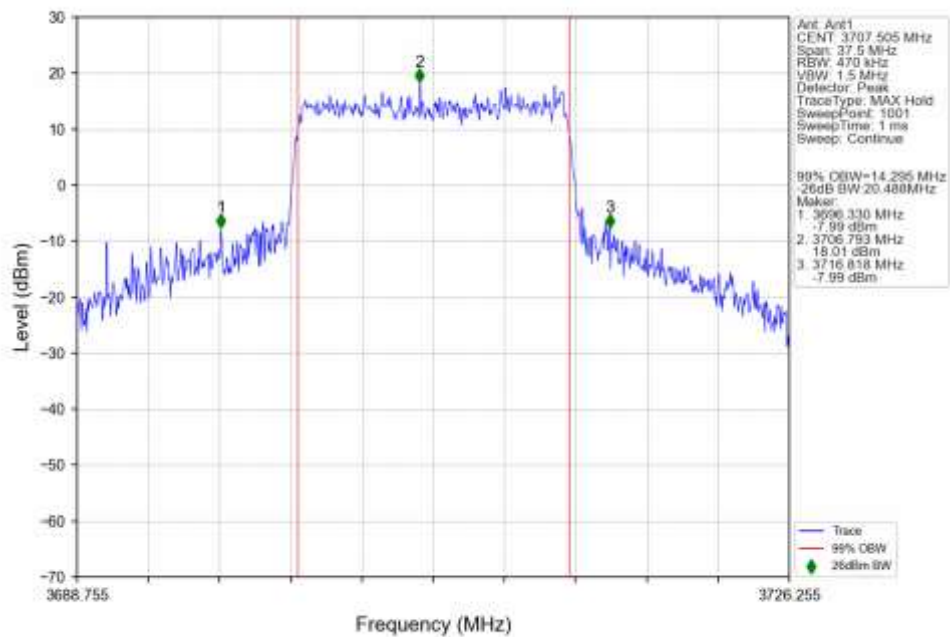
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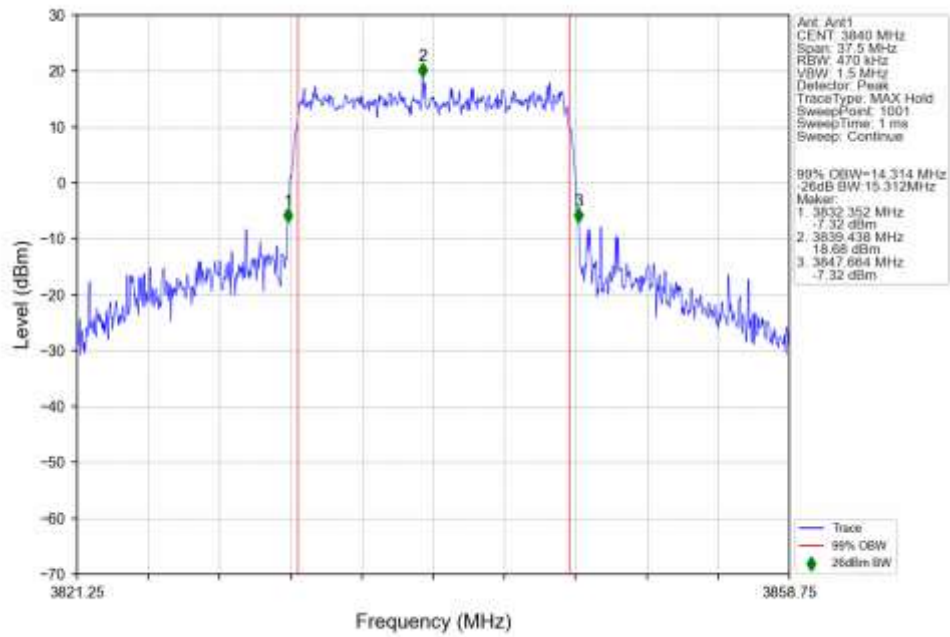
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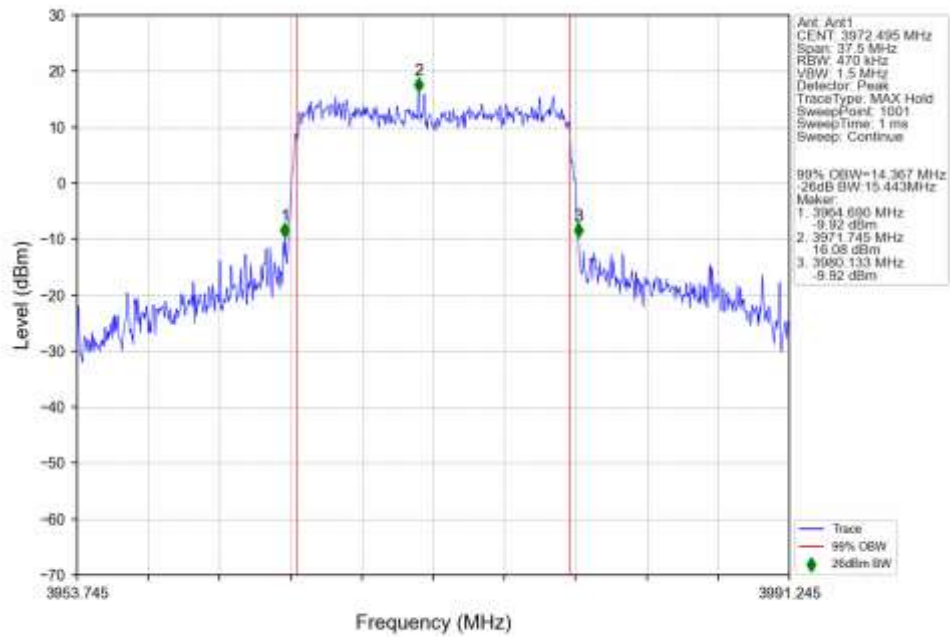
n77a_15kHz_SISO_NTNV_15MHz_CP-OFDM_16 QAM_3707.505MHz_Outer_Full_Ant1



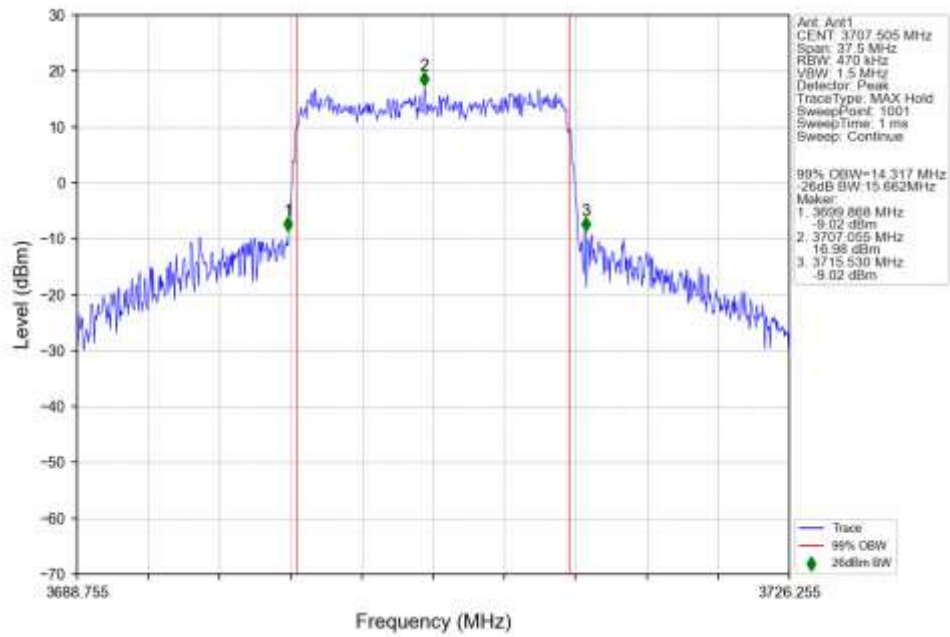
n77a 15kHz SISO NTN 15MHz CP-OFDM 16 QAM 3840MHz Outer Full Ant1



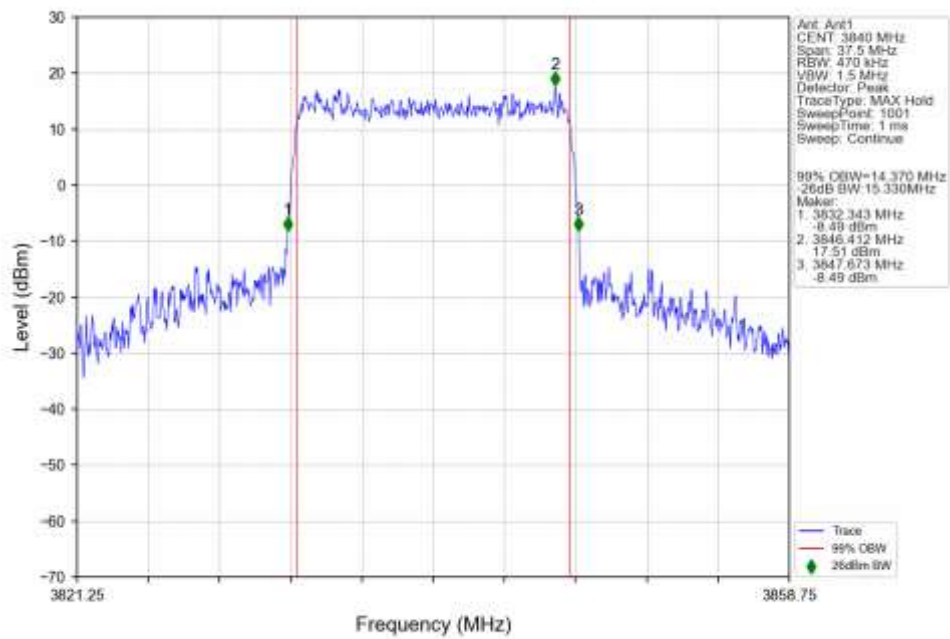
n77a 15kHz SISO NTN 15MHz CP-OFDM 16 QAM 3972.495MHz Outer Full Ant1



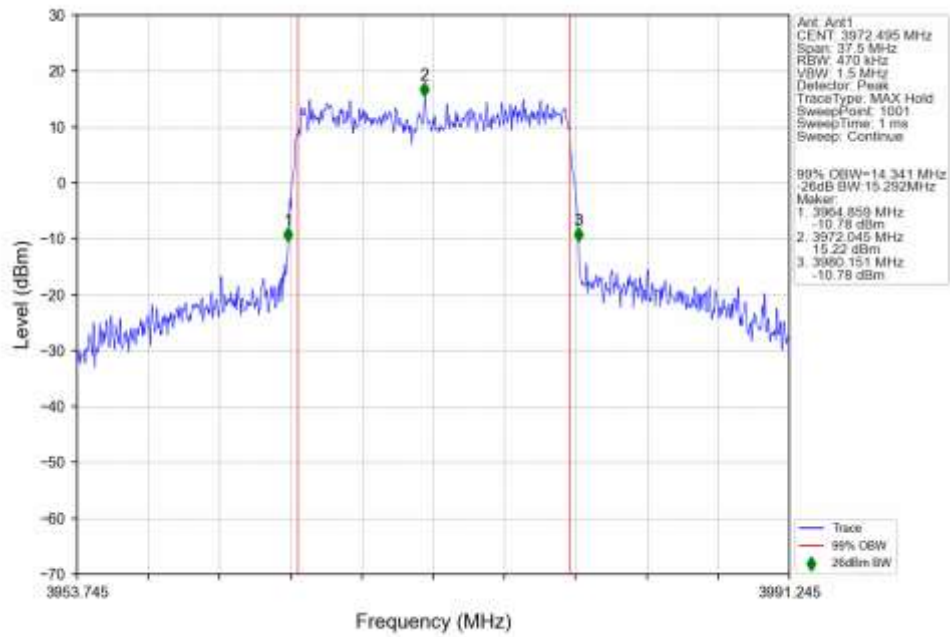
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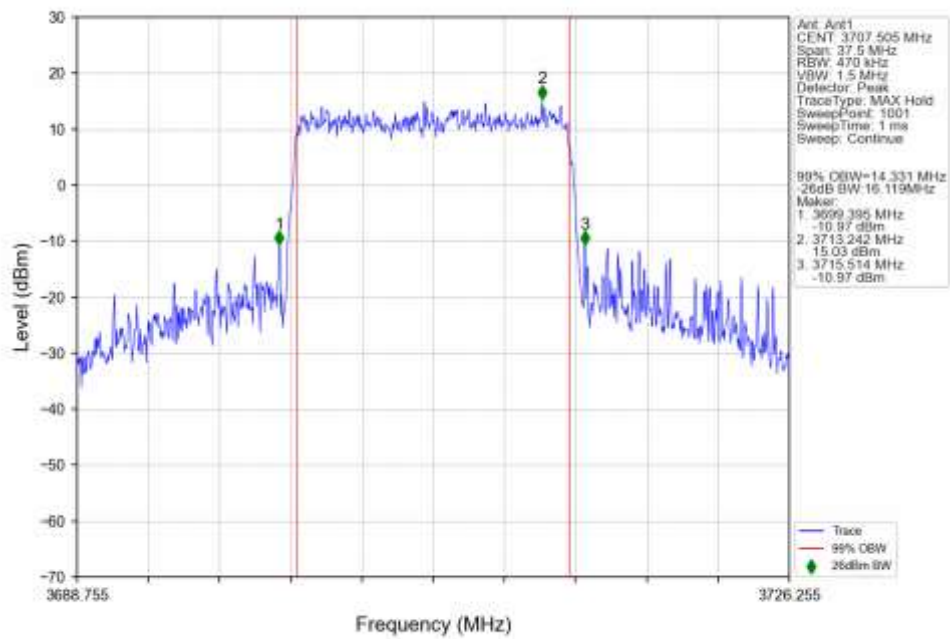
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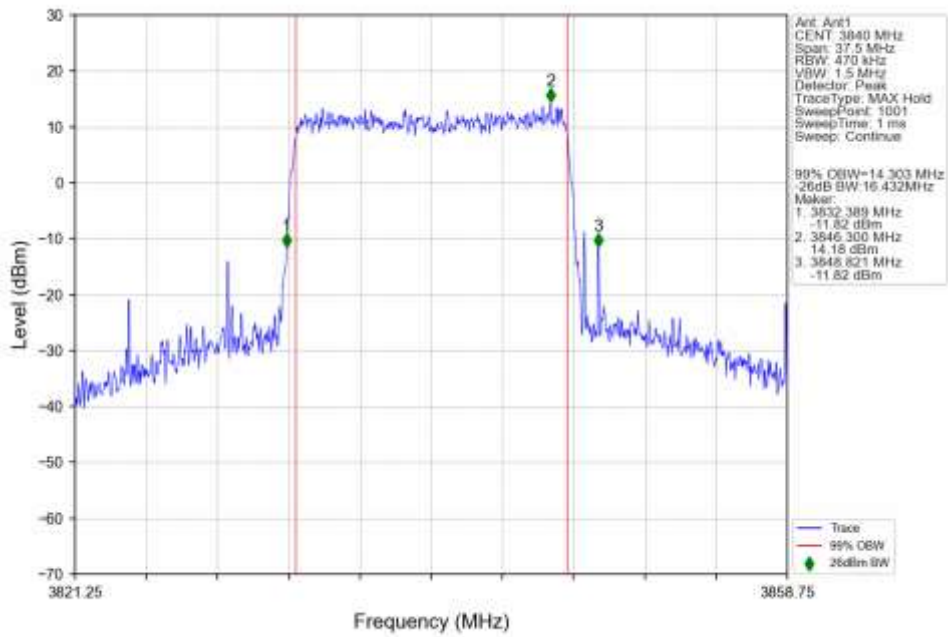
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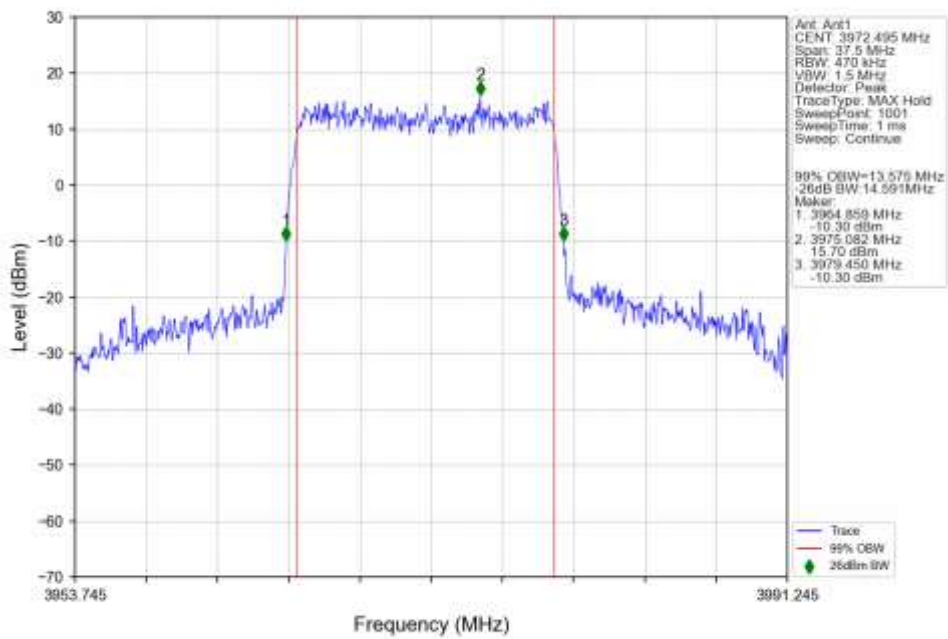
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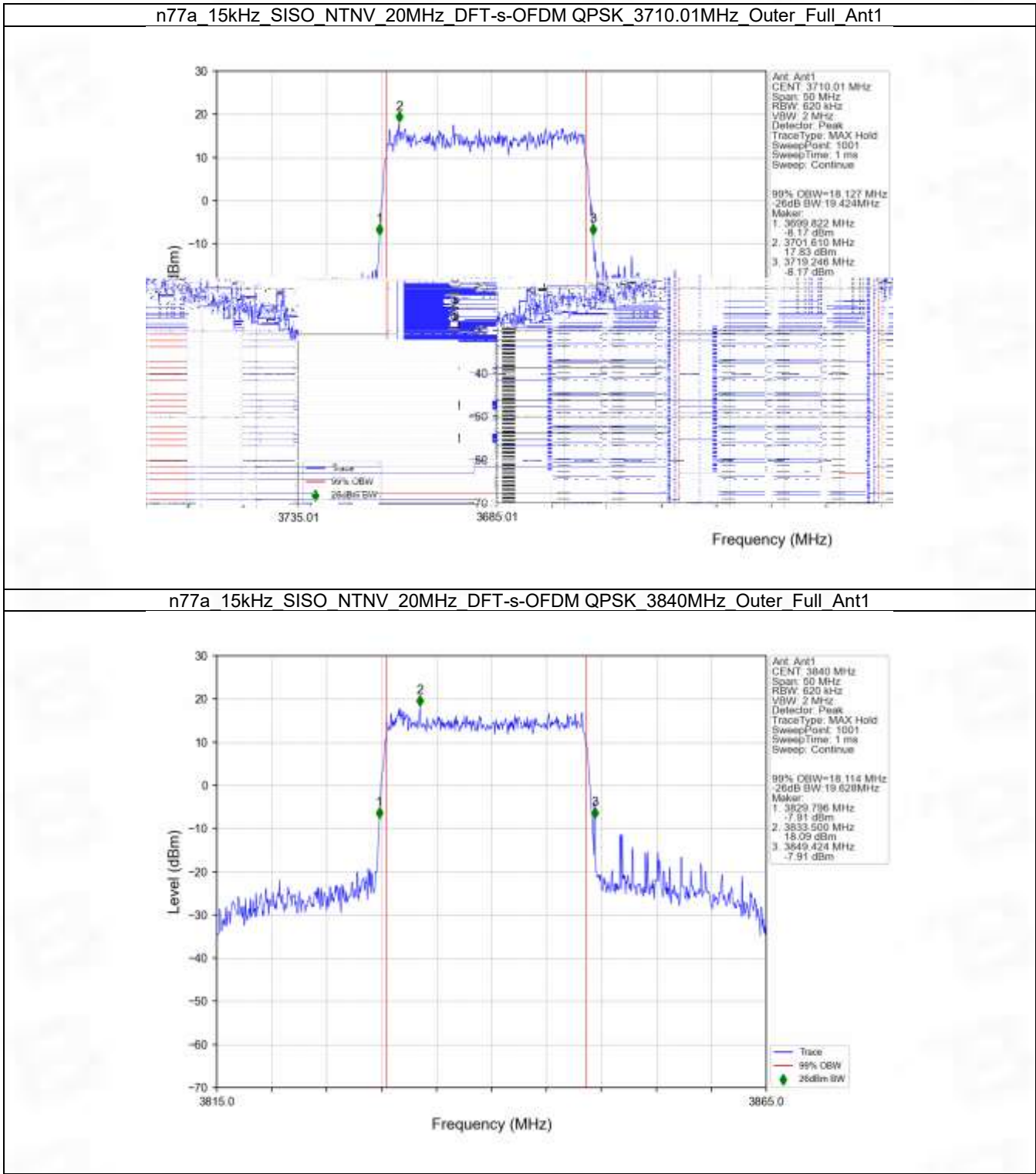
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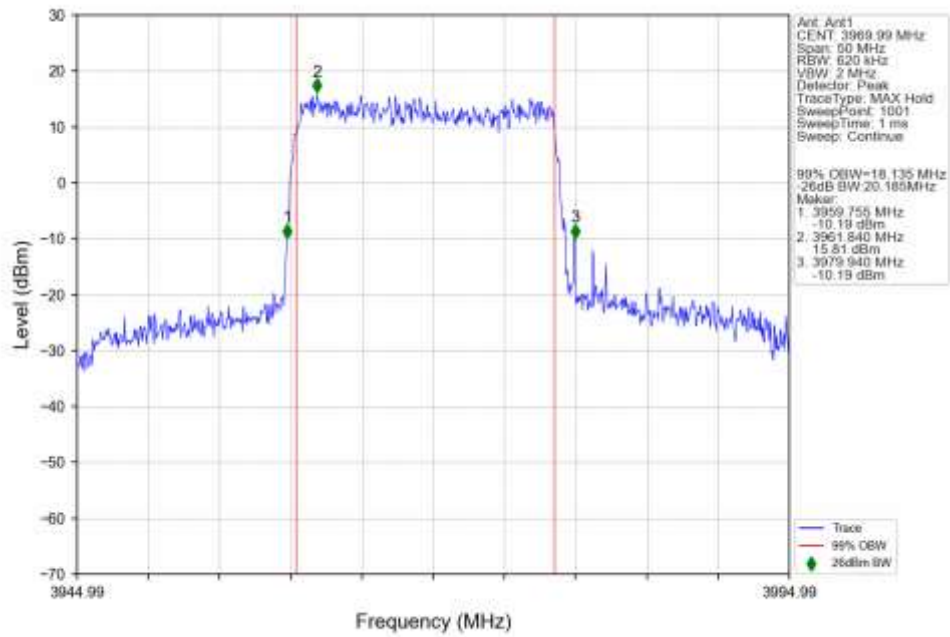
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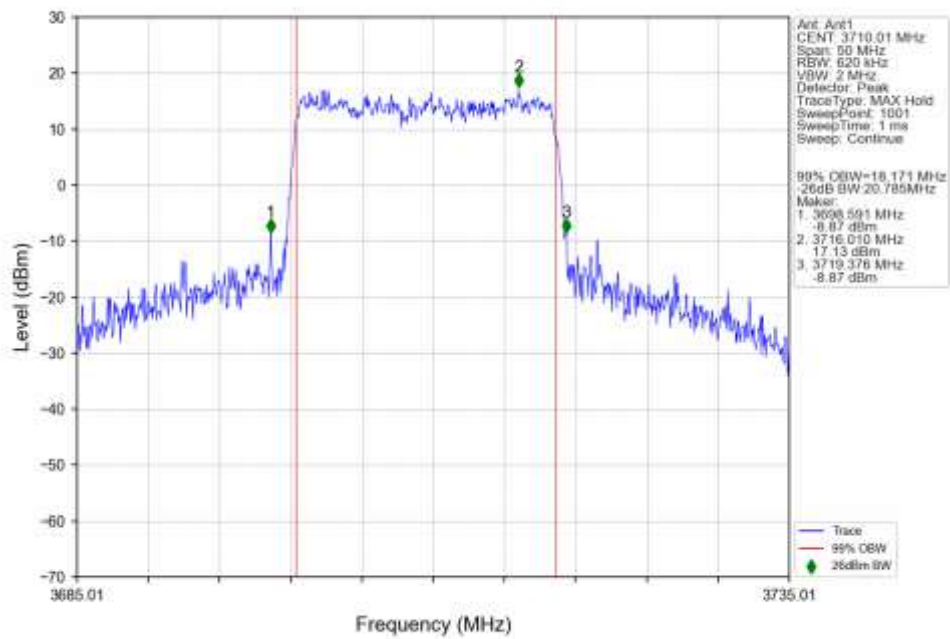
4.2.3 15k_SISO_20MHz_NTNV



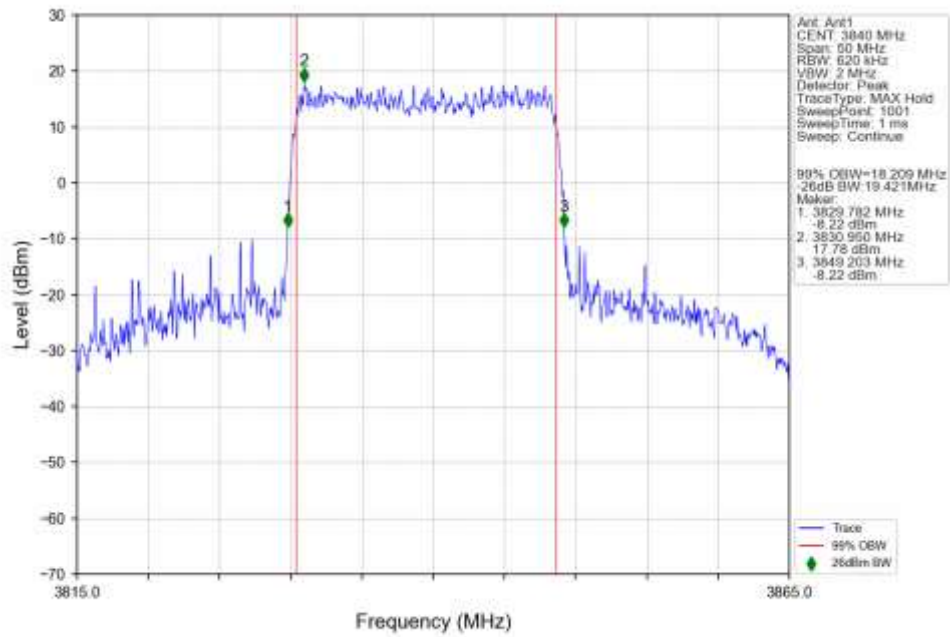
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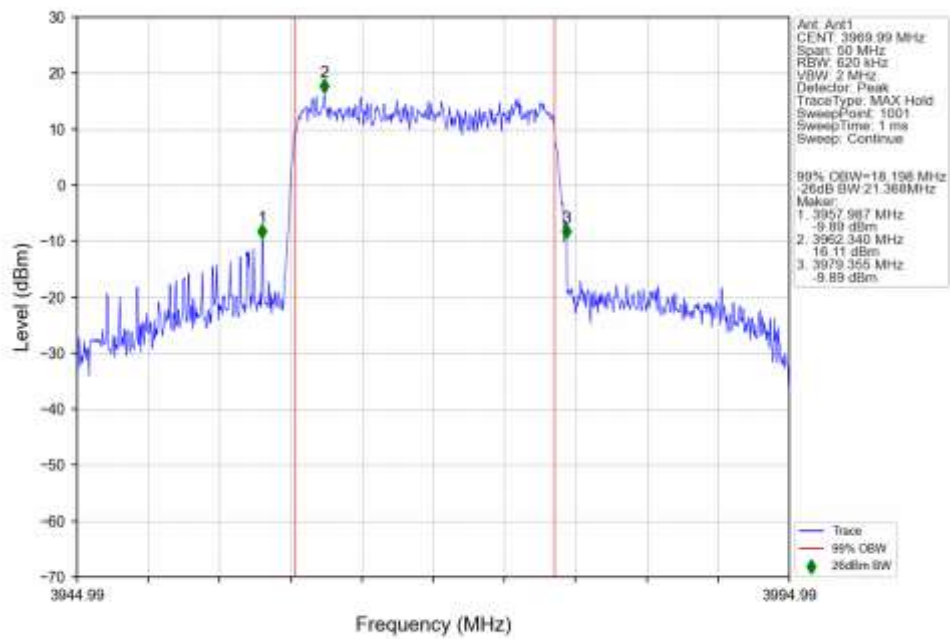
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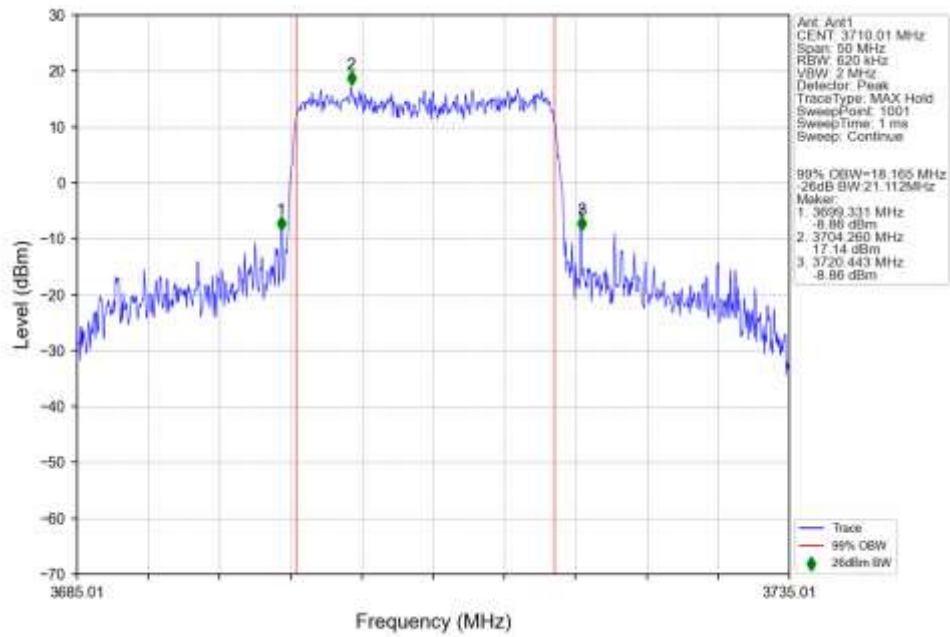
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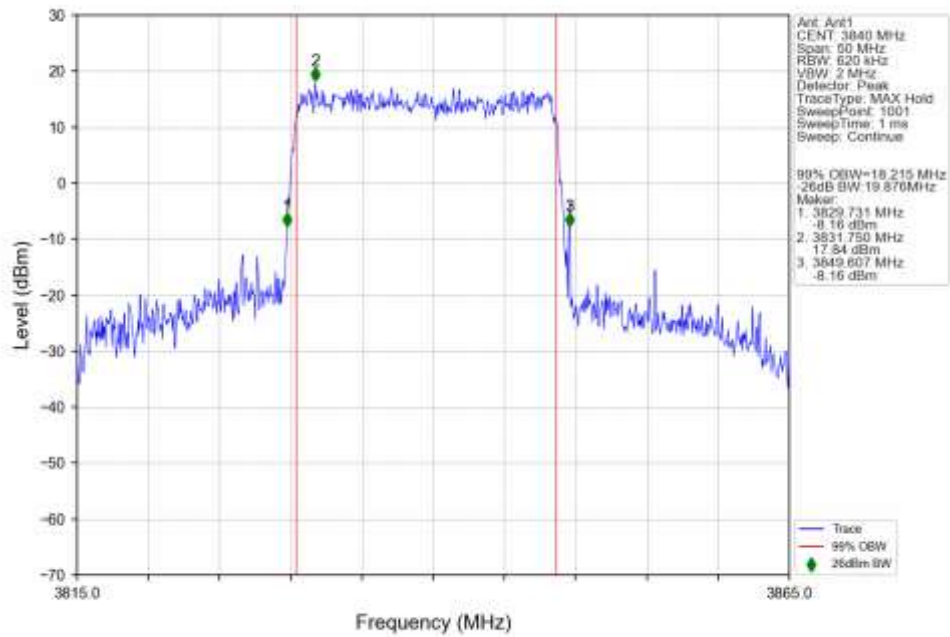
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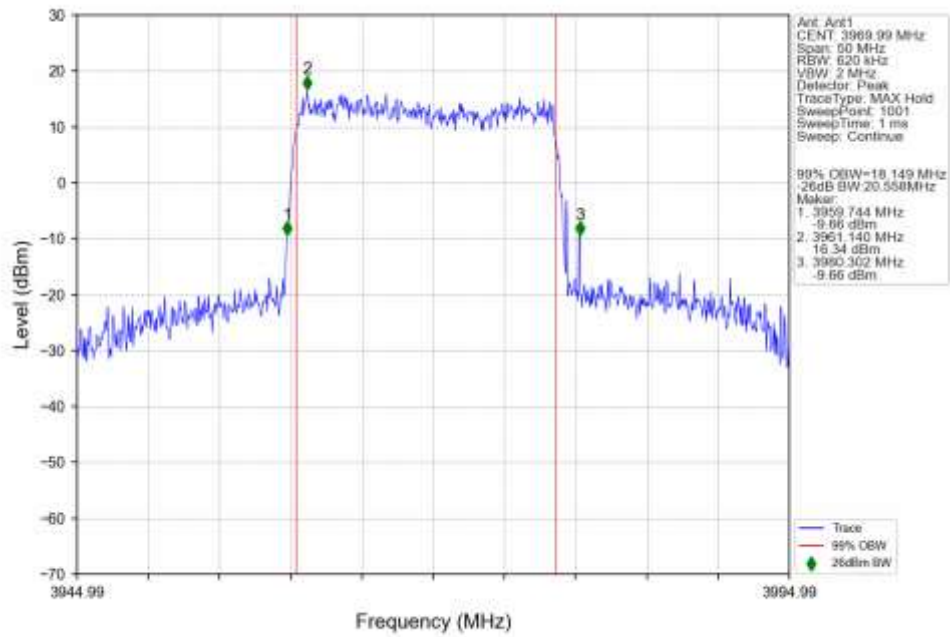
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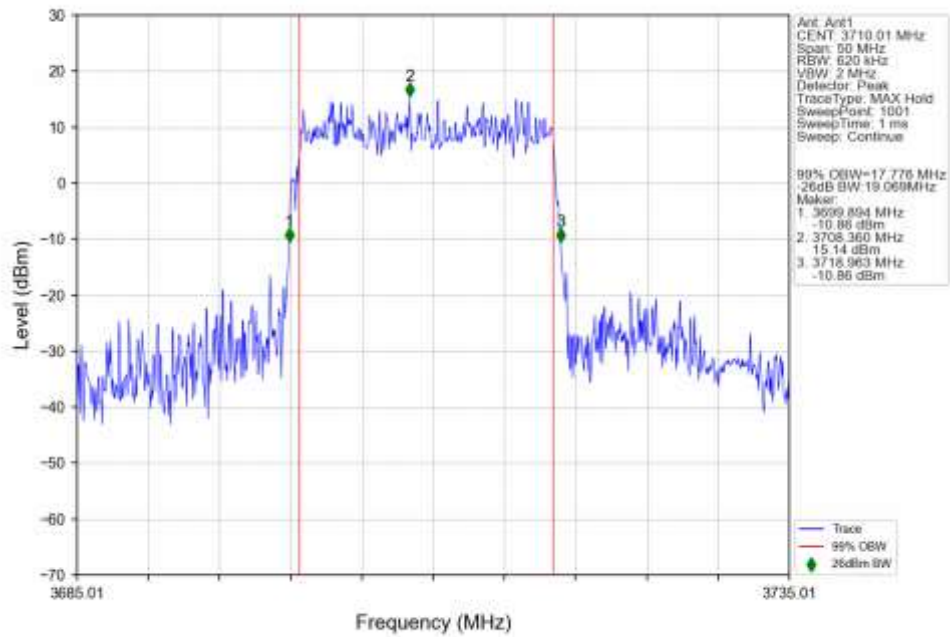
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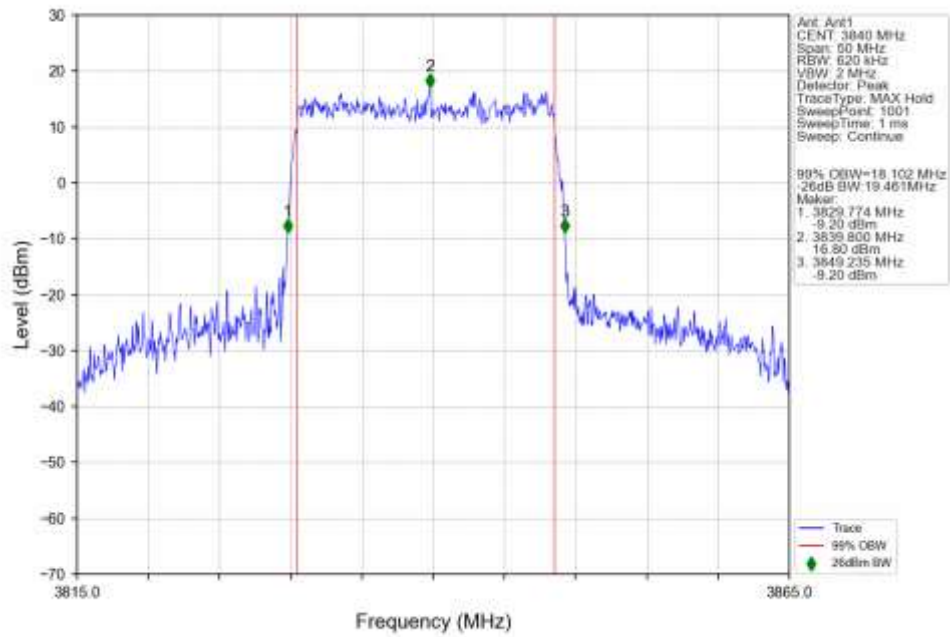
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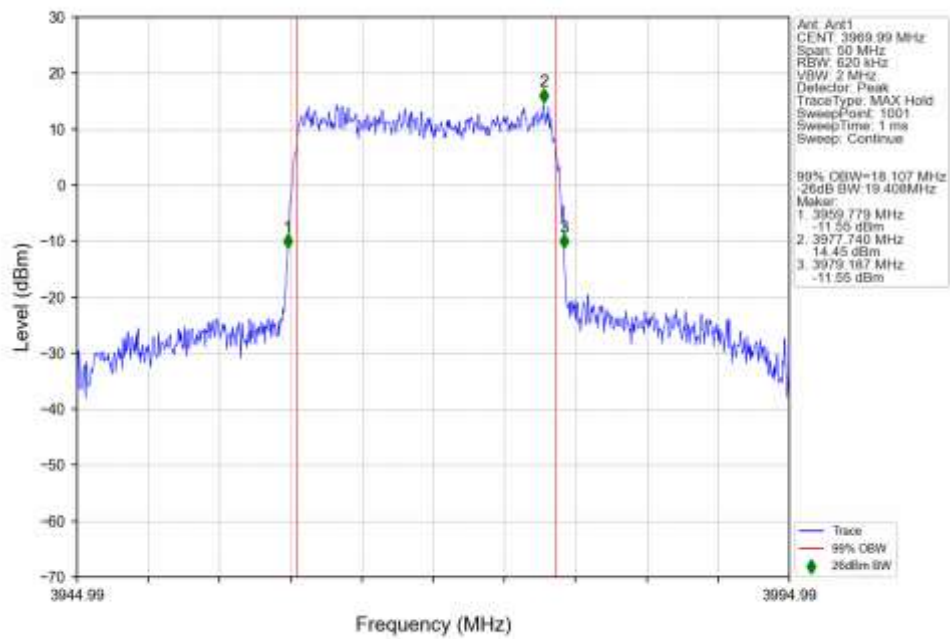
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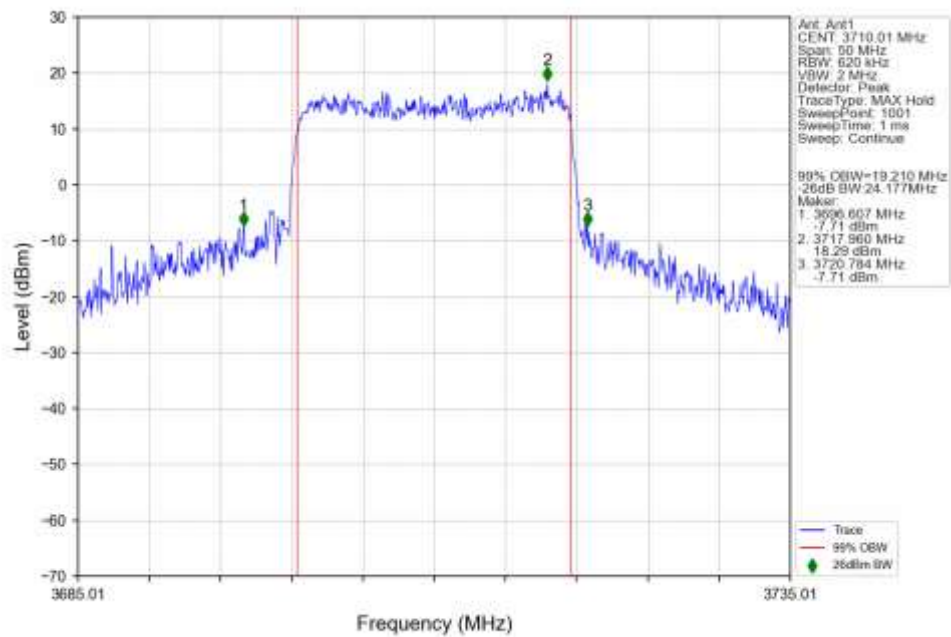
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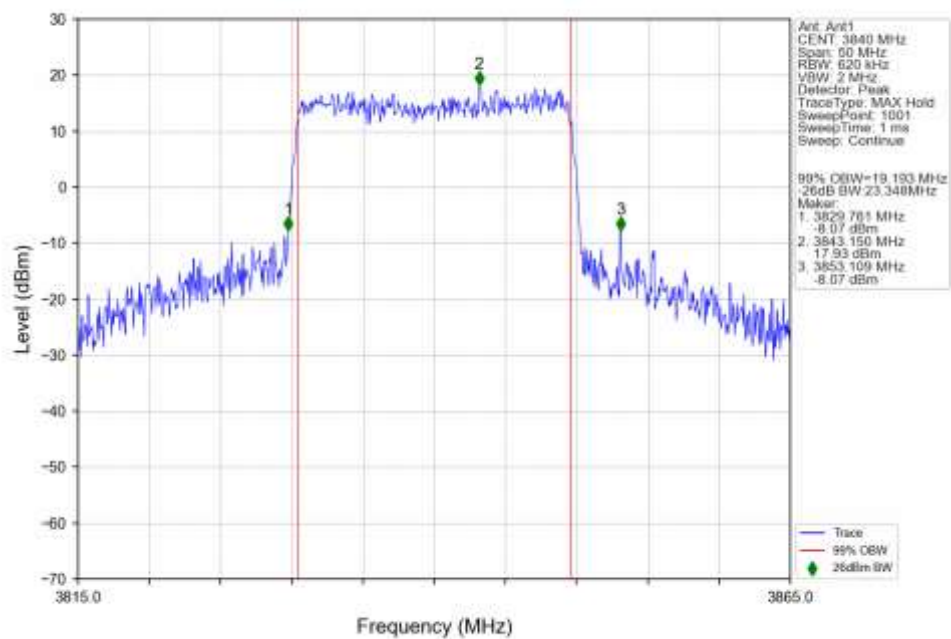
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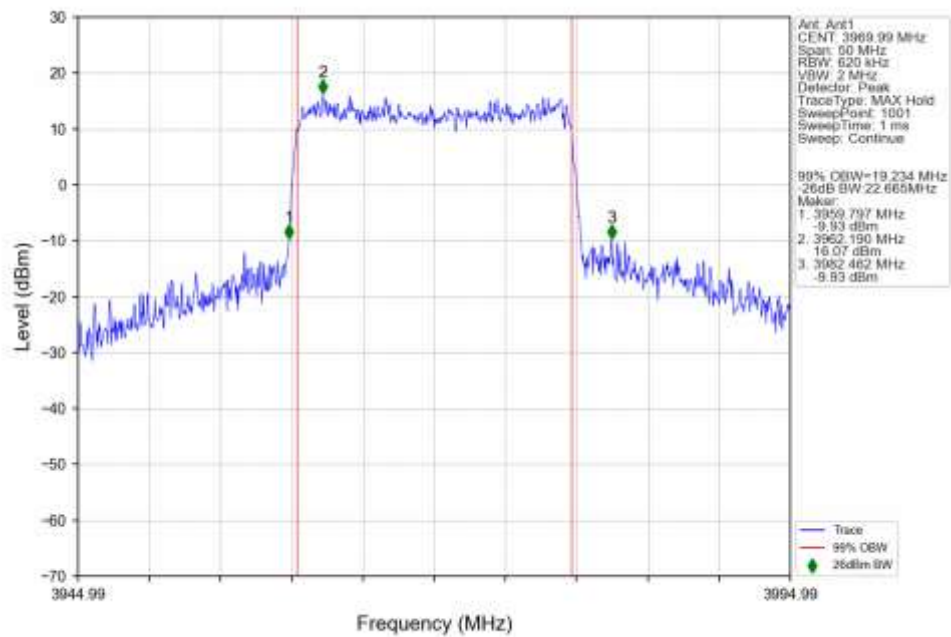
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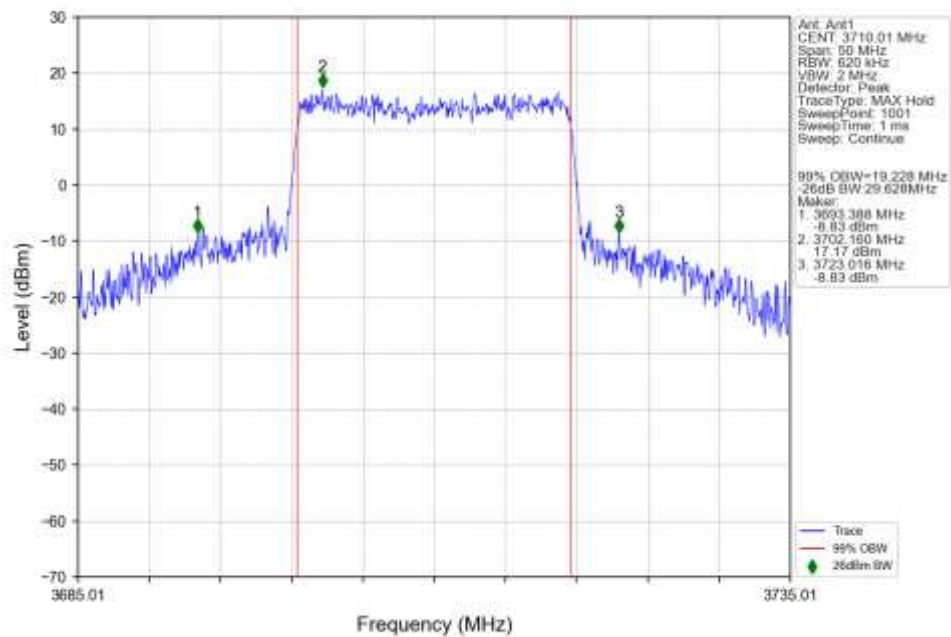
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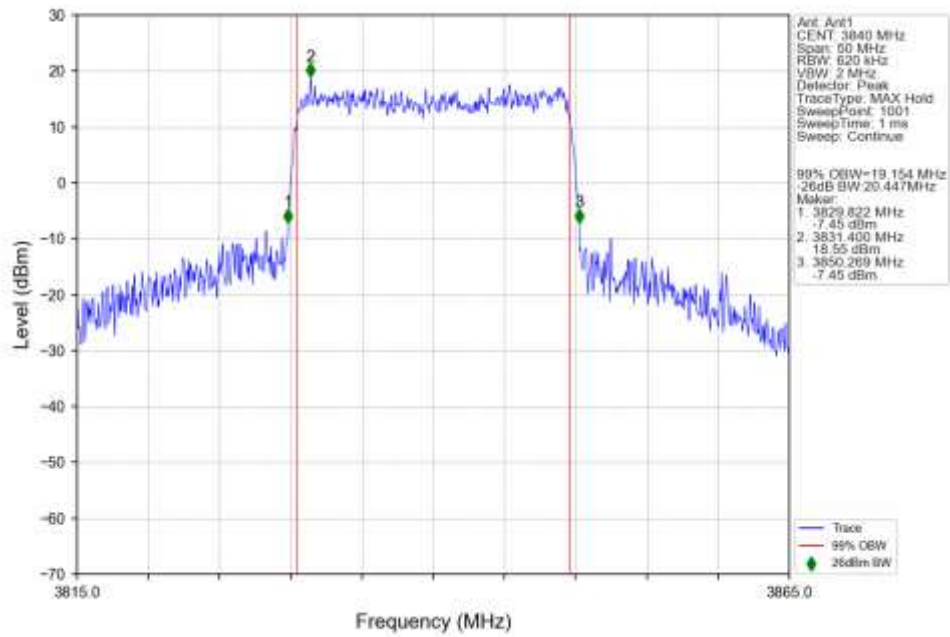
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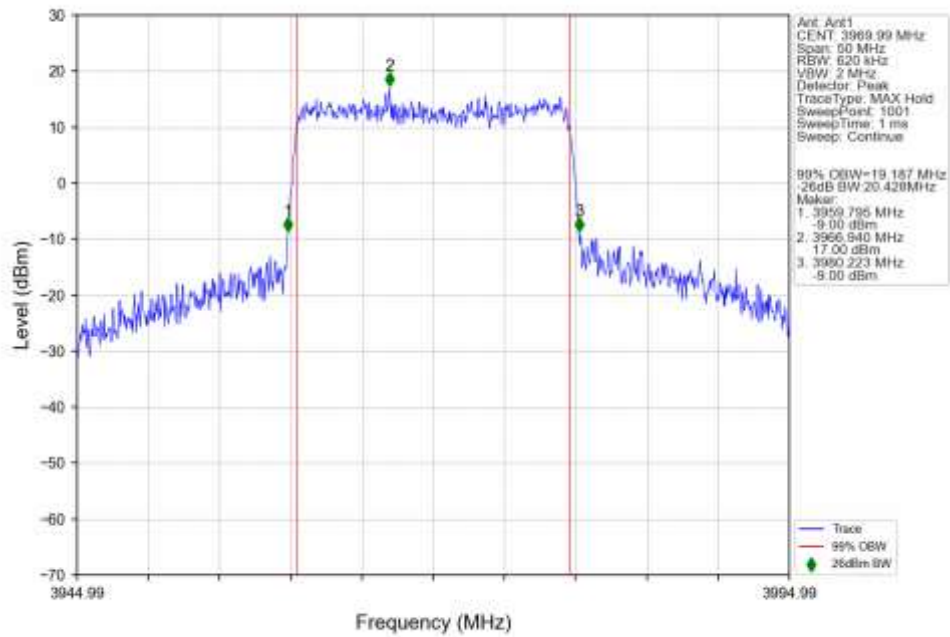
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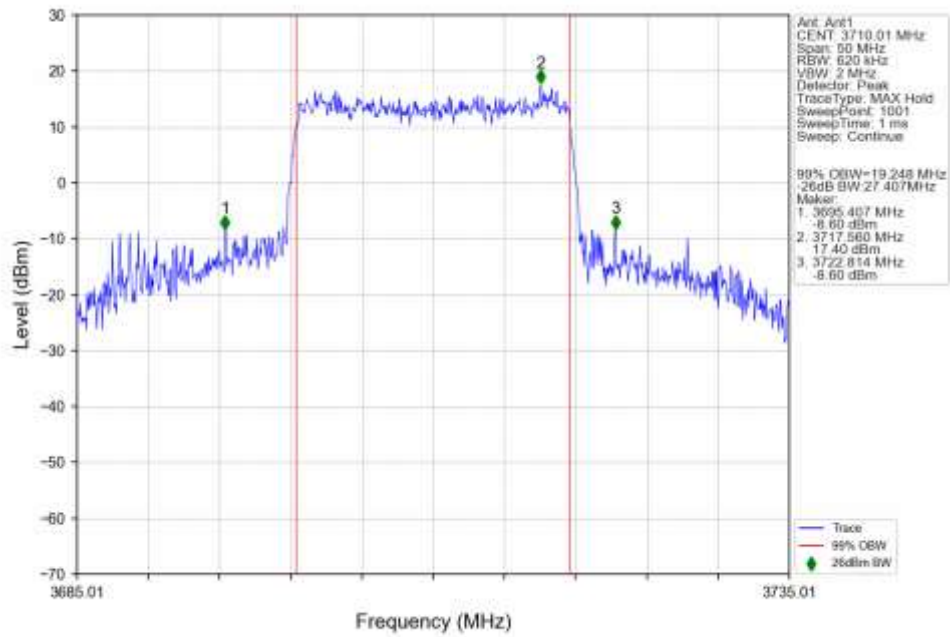
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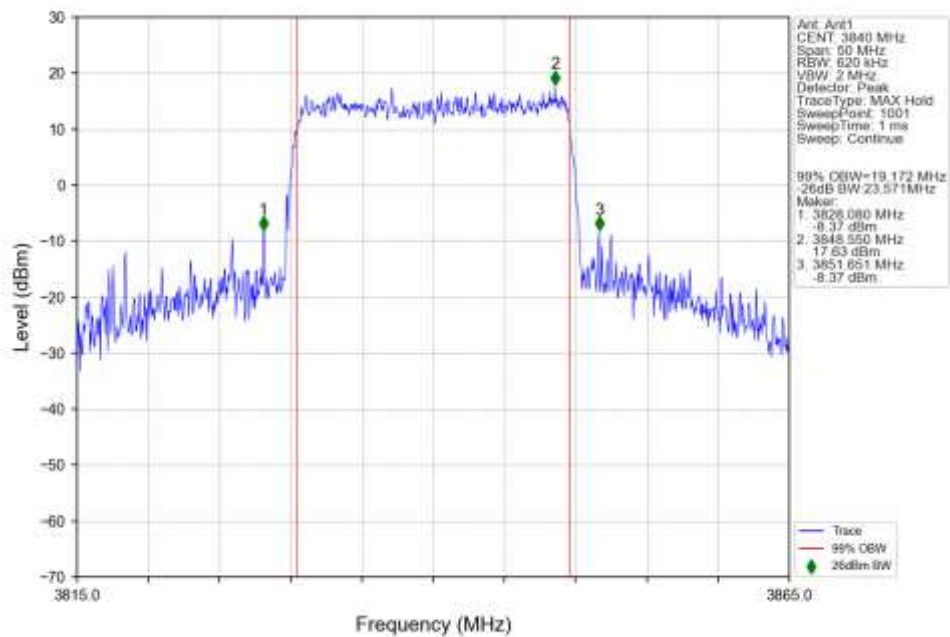
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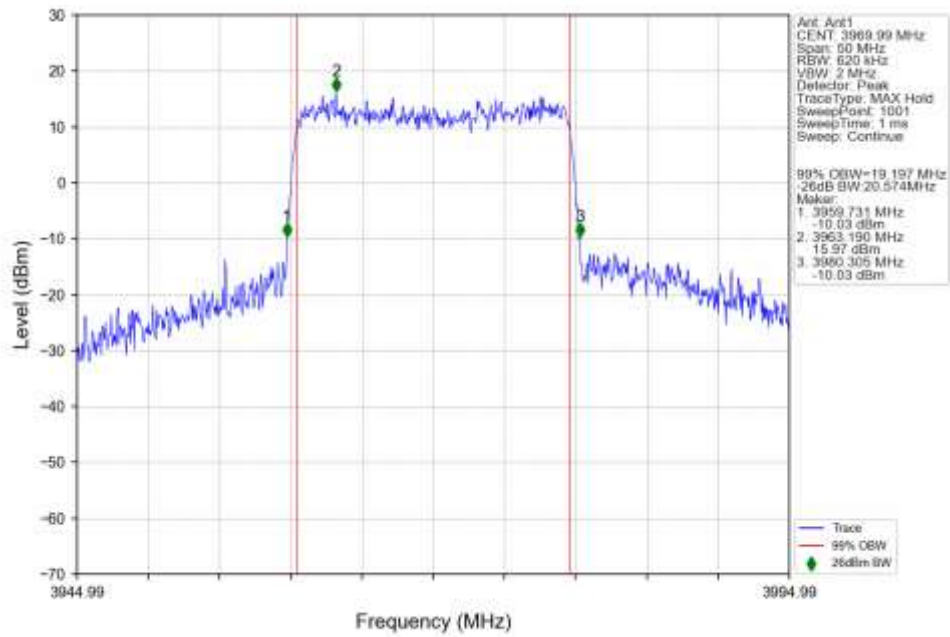
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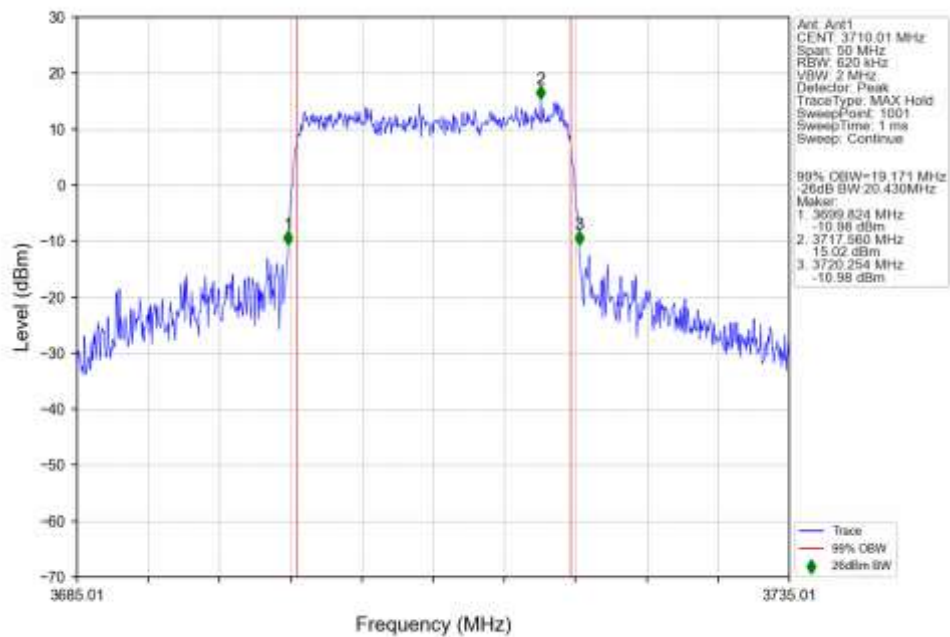
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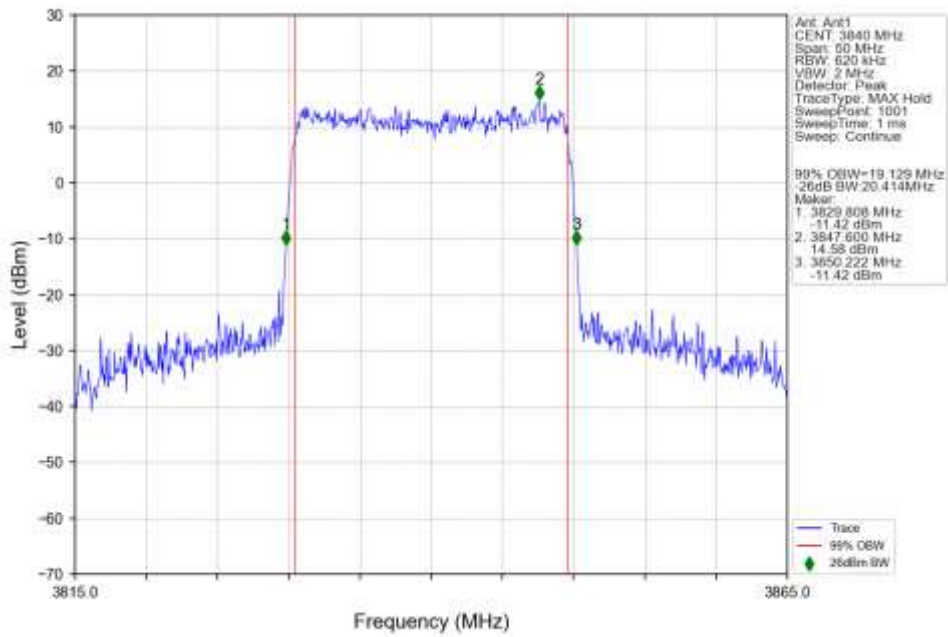
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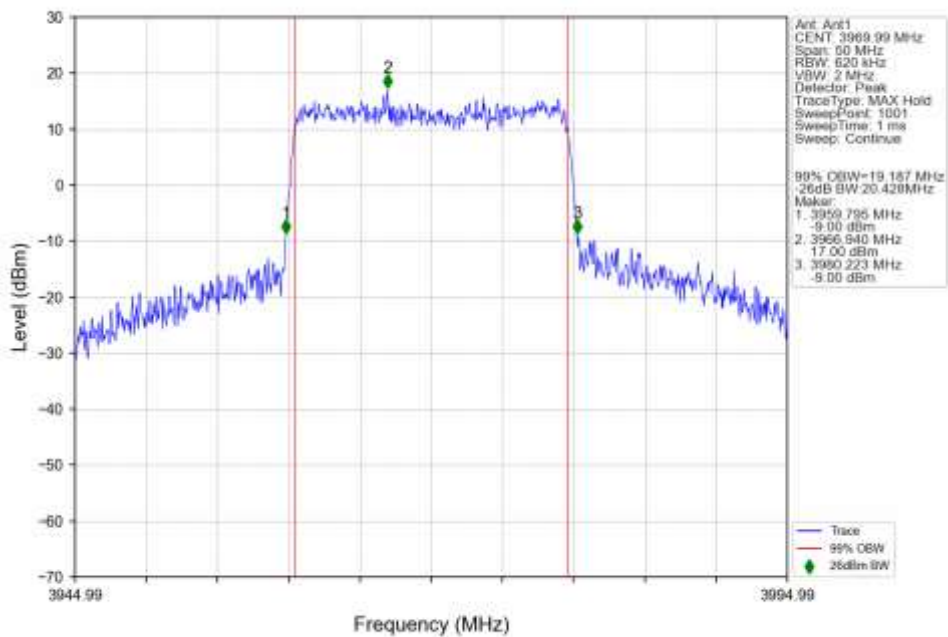
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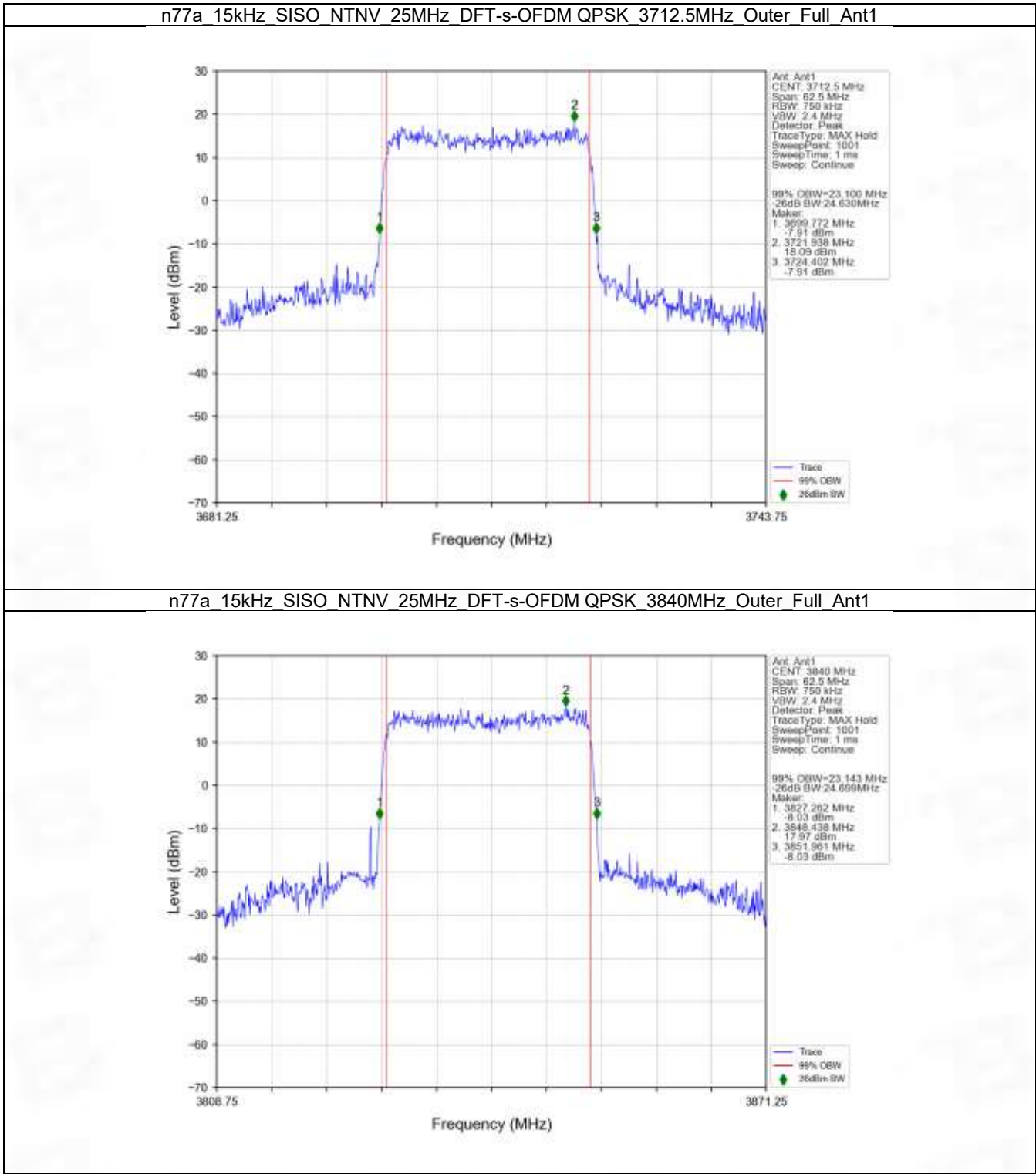
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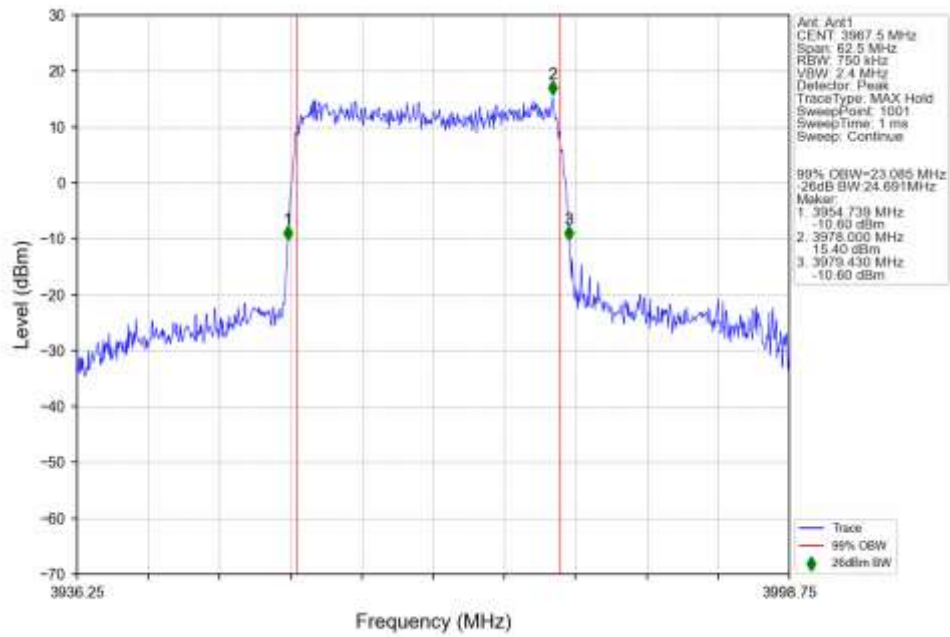
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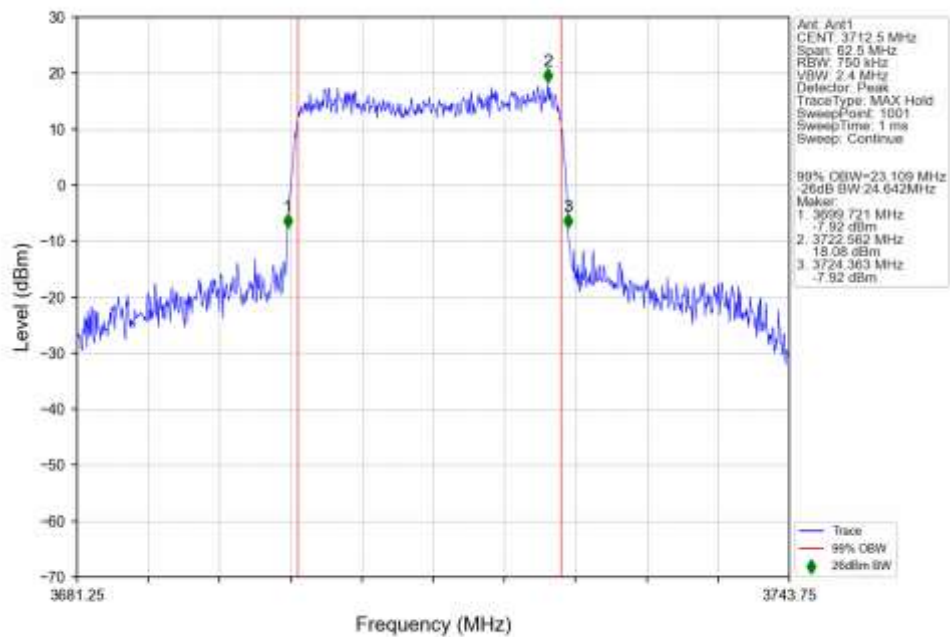
4.2.4 15k_SISO_25MHz_NTNV



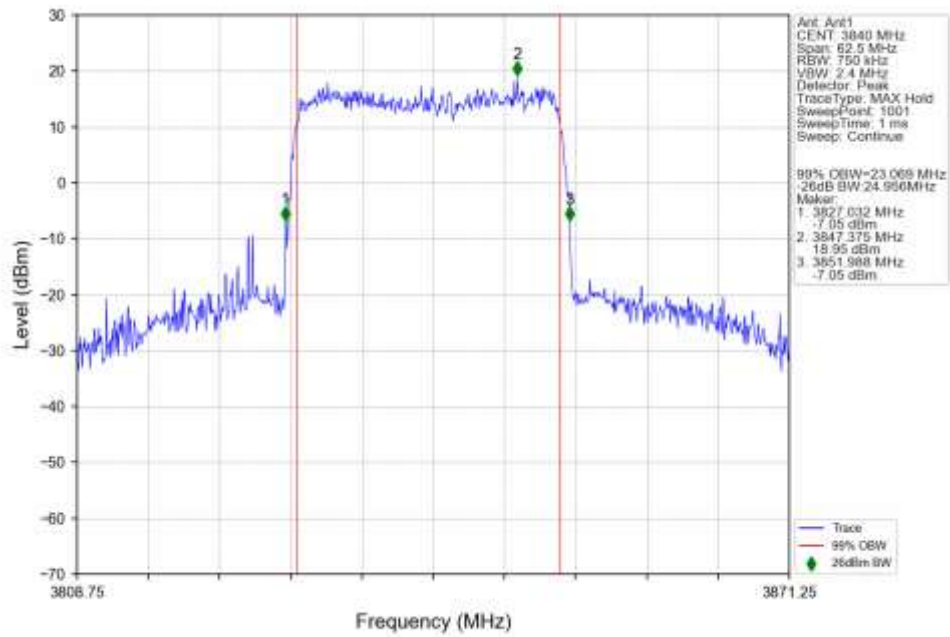
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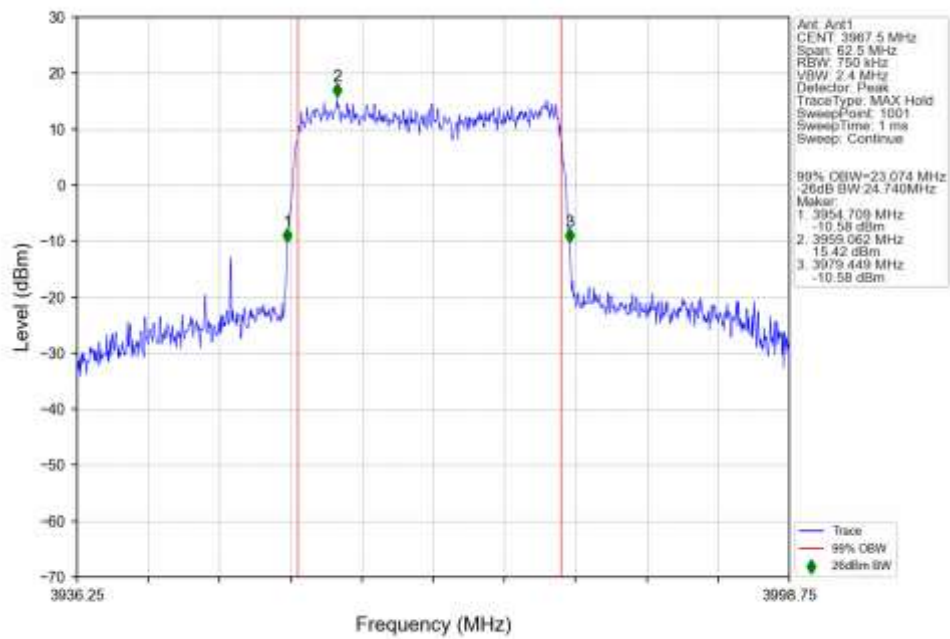
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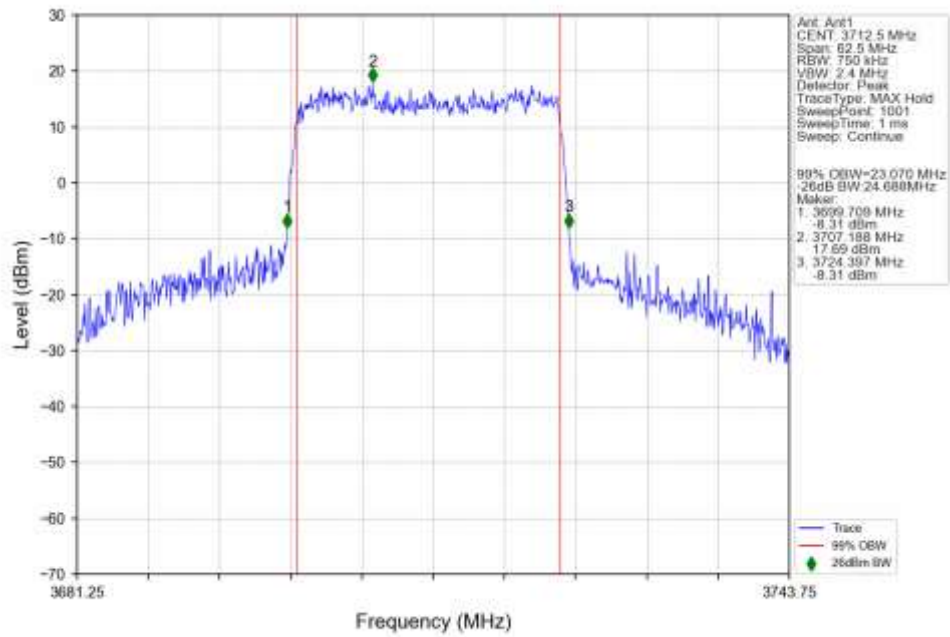
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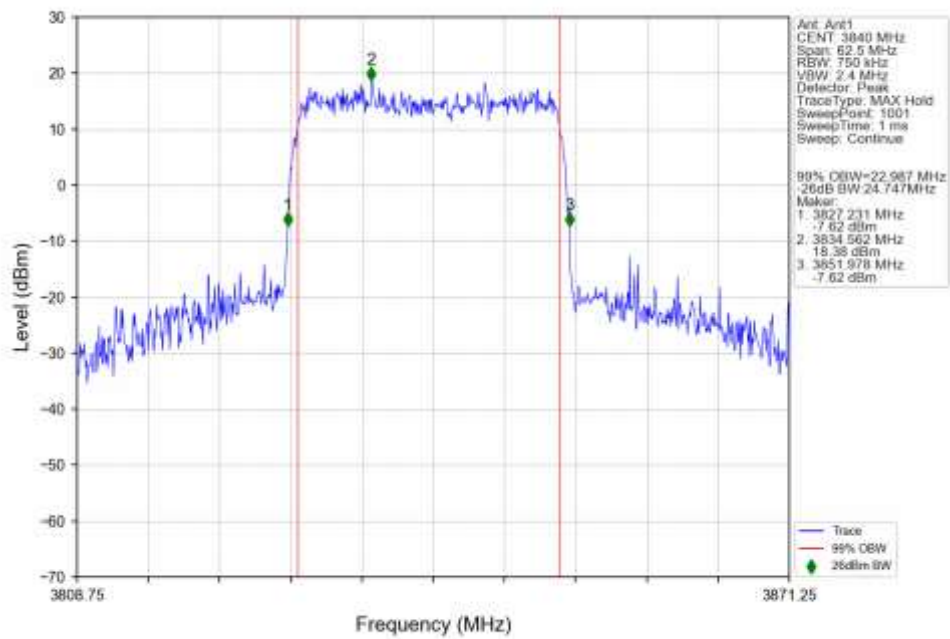
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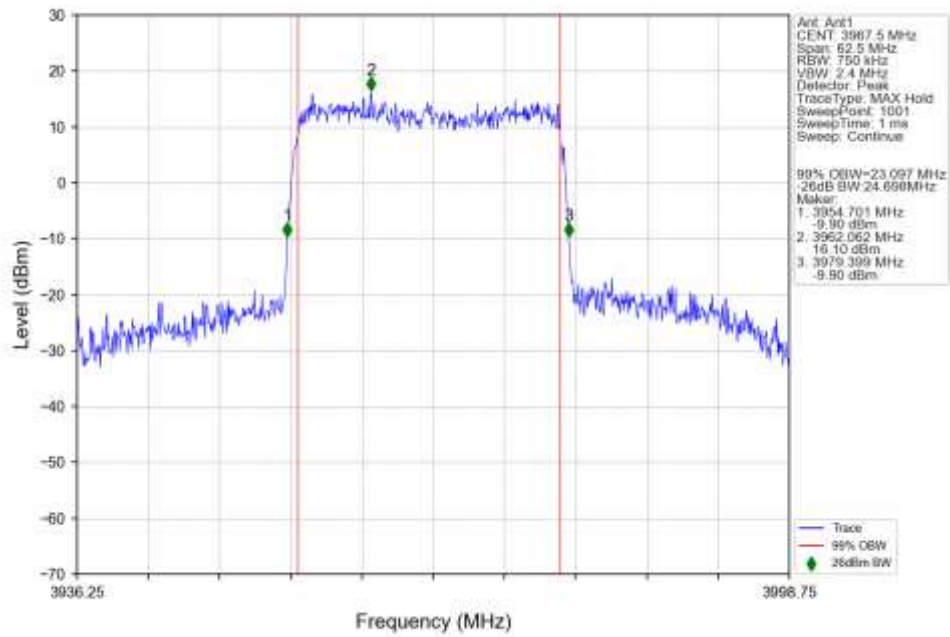
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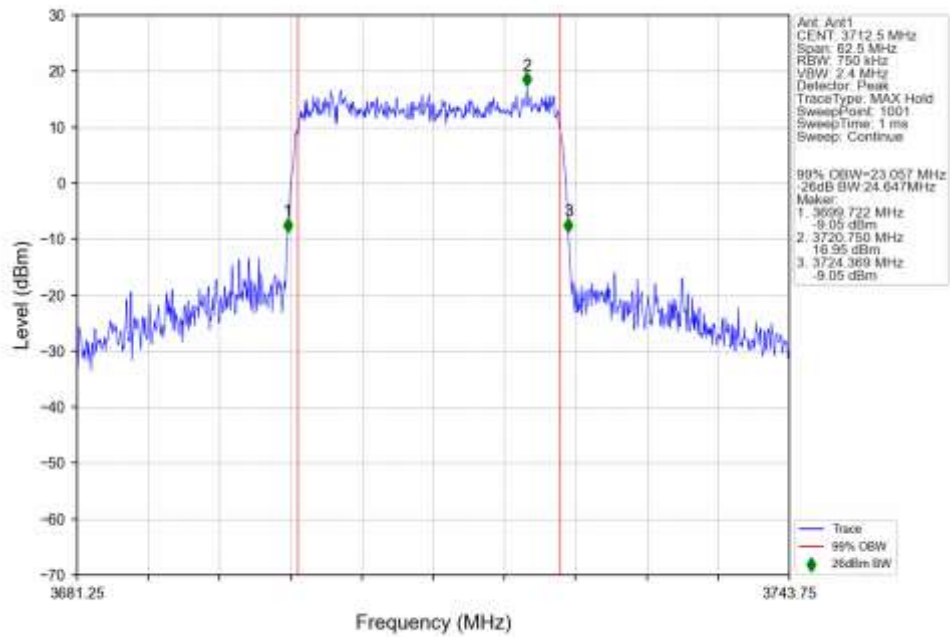
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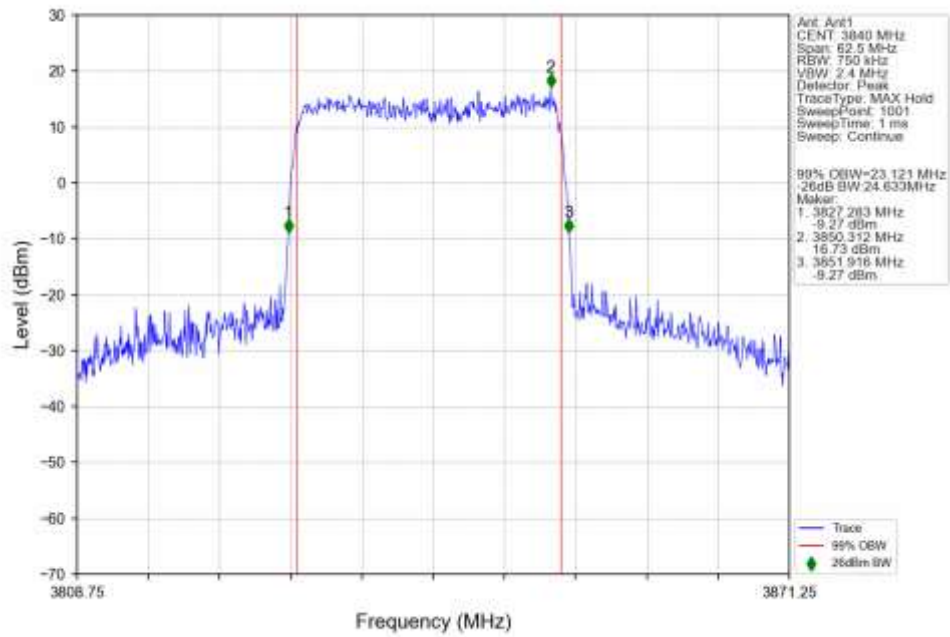
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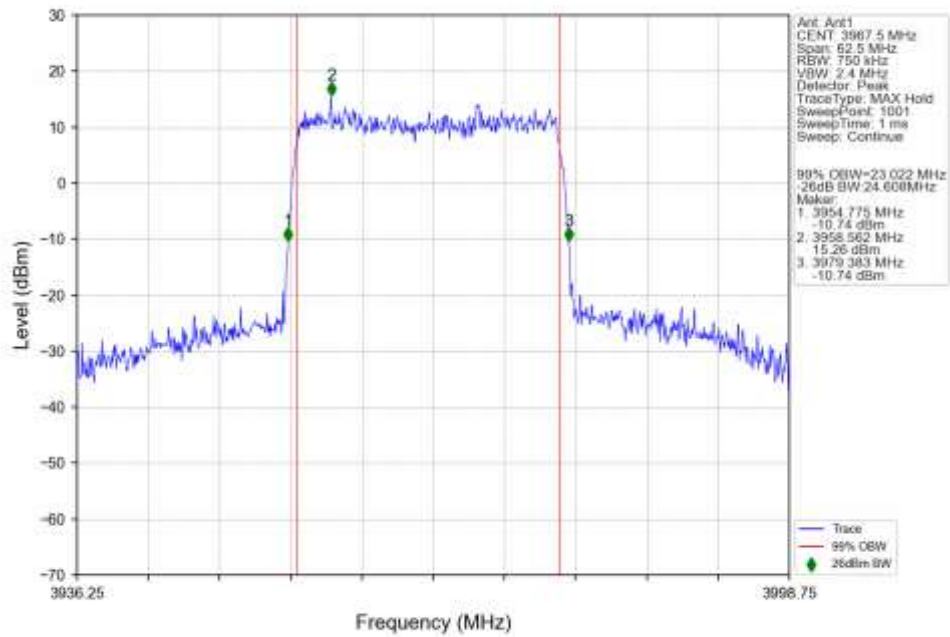
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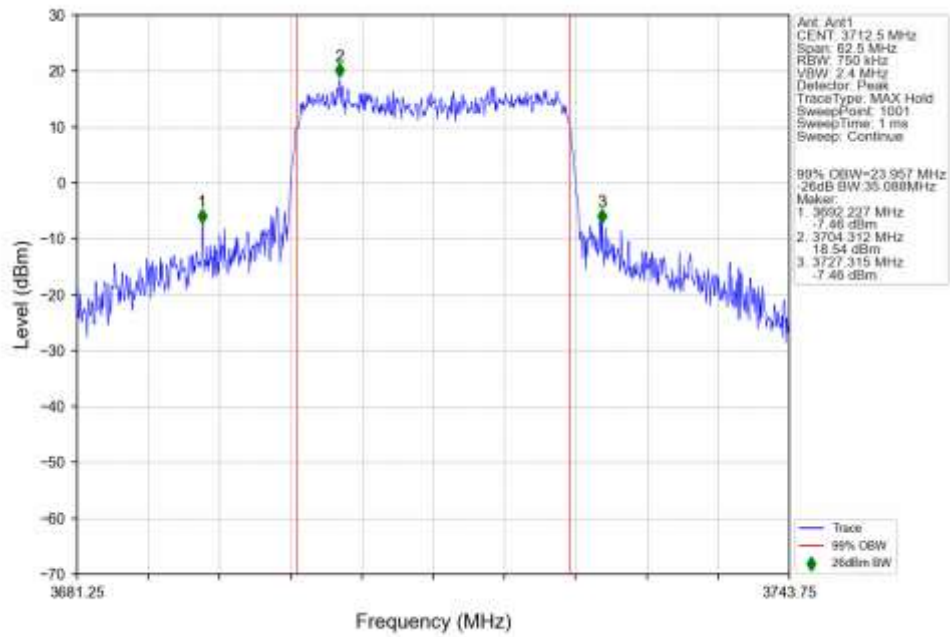
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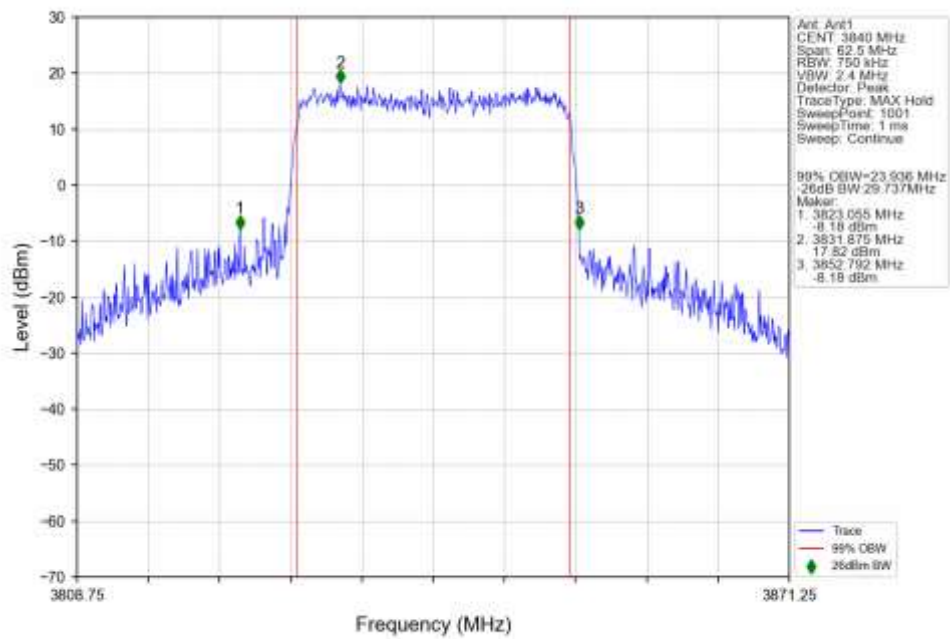
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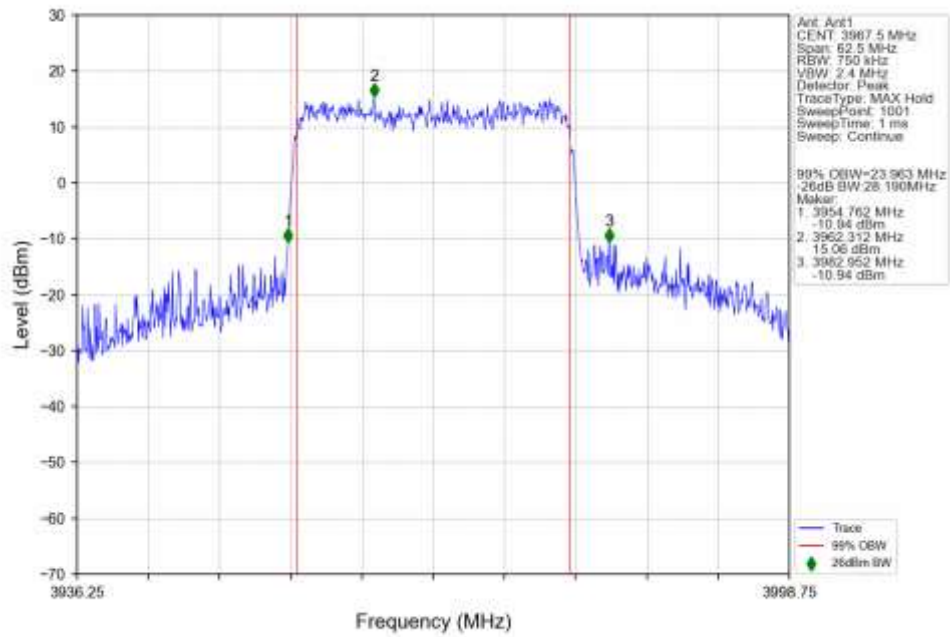
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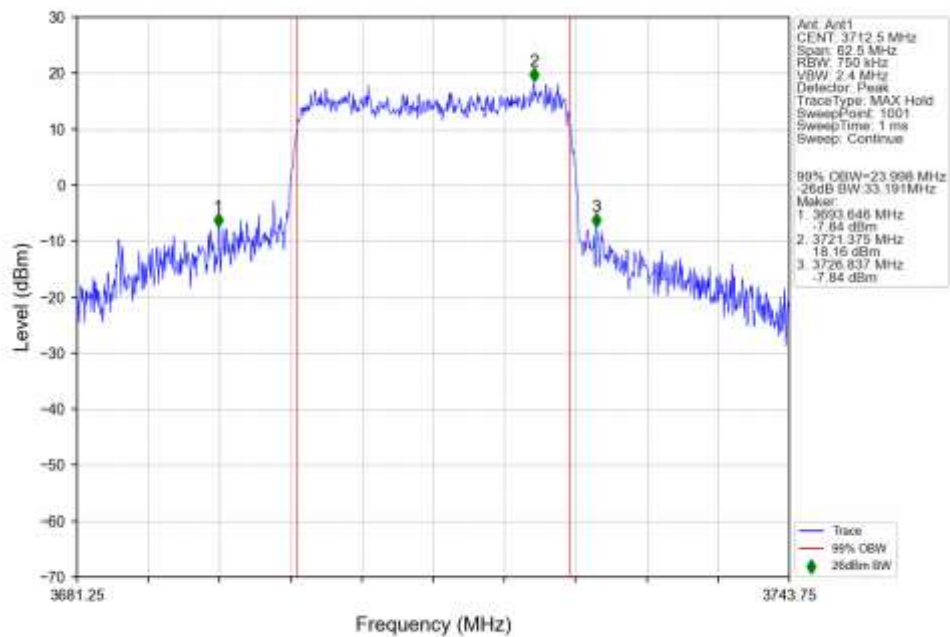
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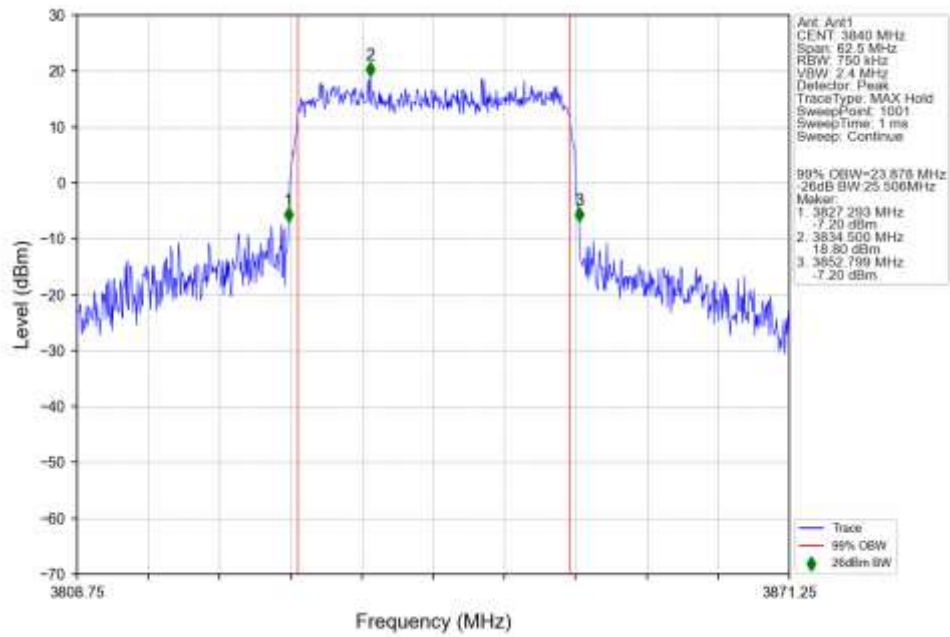
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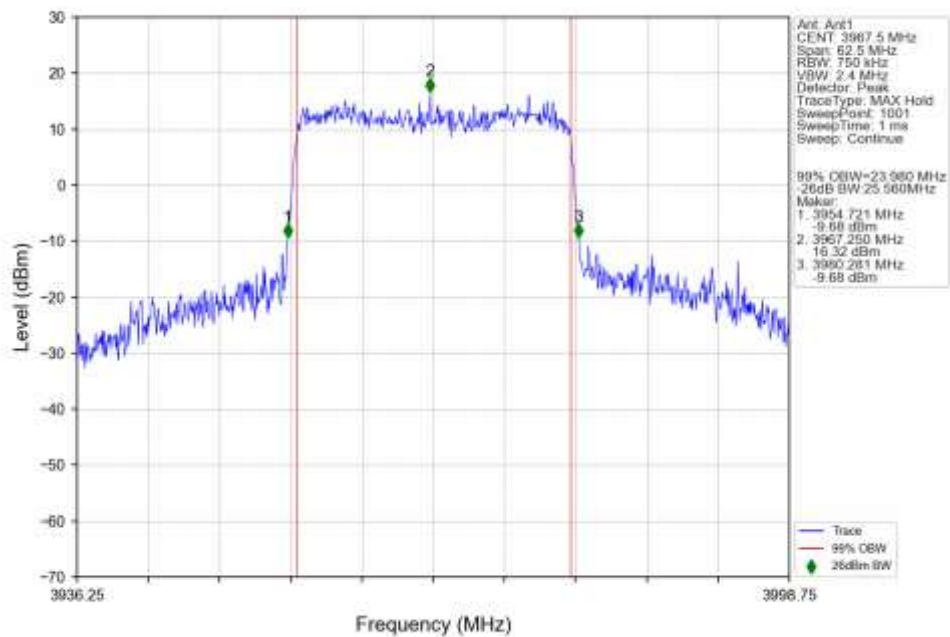
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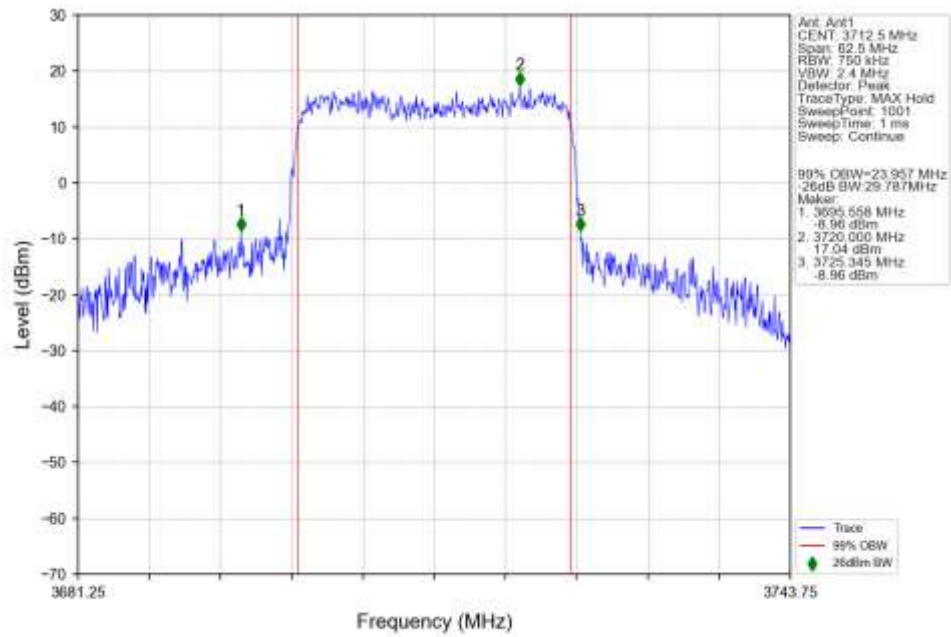
n77a 15kHz SISO NTV 25MHz CP-OFDM 16 QAM 3840MHz Outer Full Ant1



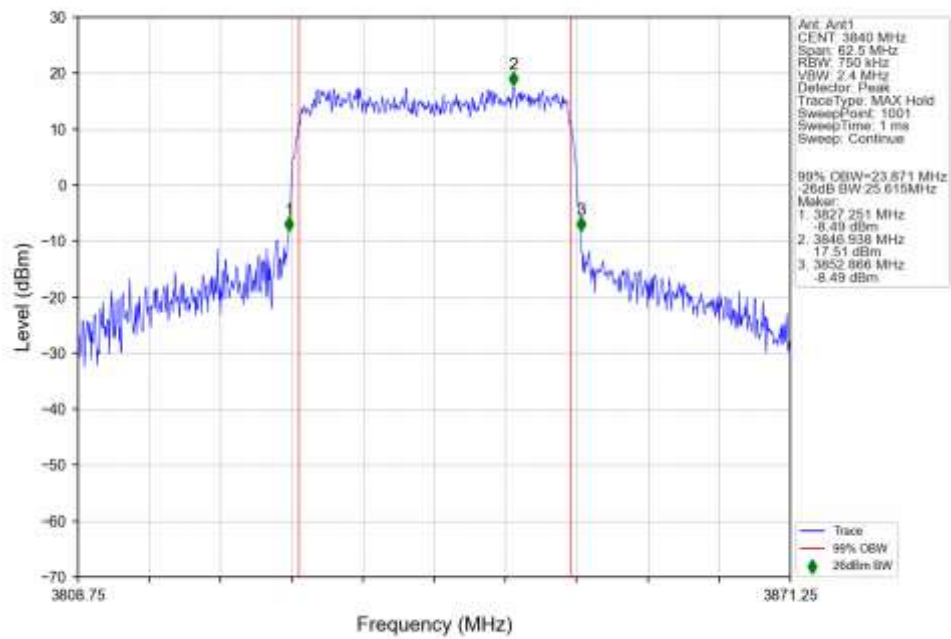
n77a 15kHz SISO NTV 25MHz CP-OFDM 16 QAM 3967.5MHz Outer Full Ant1



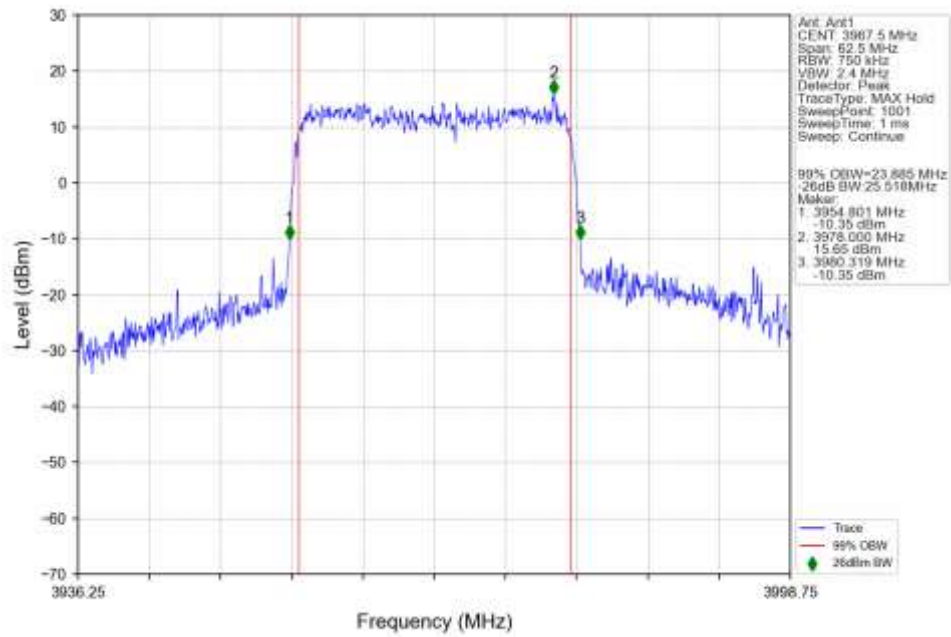
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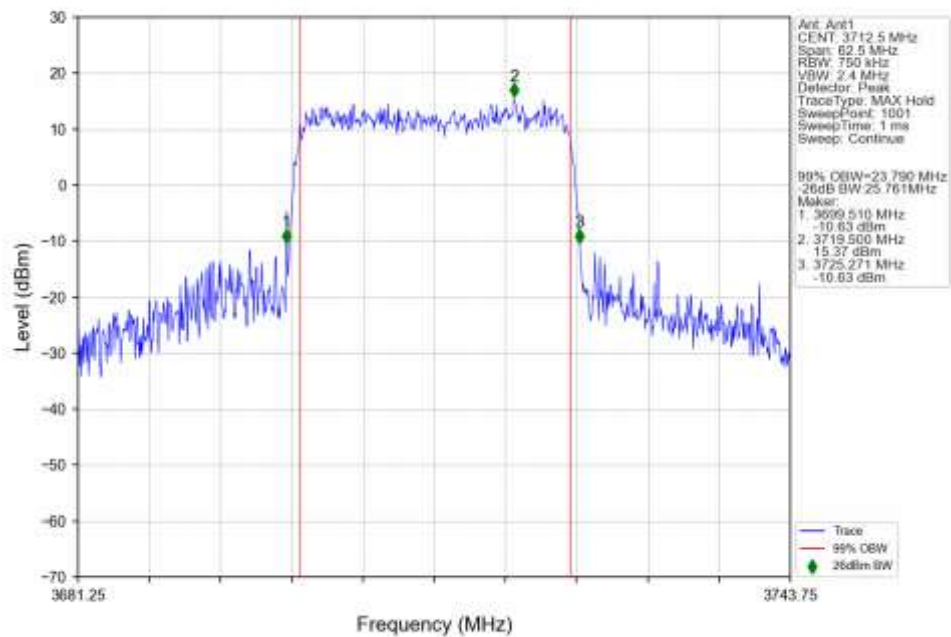
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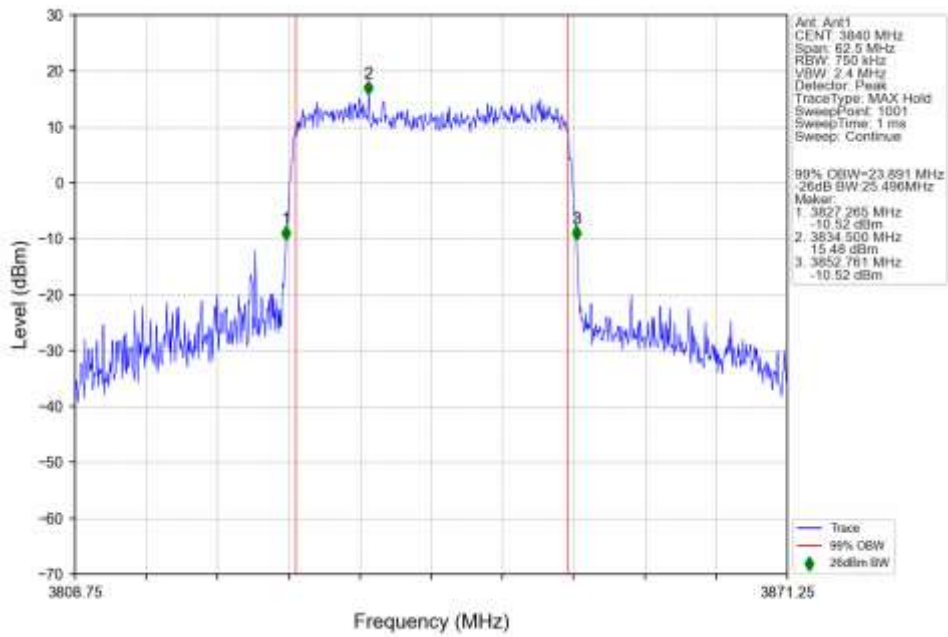
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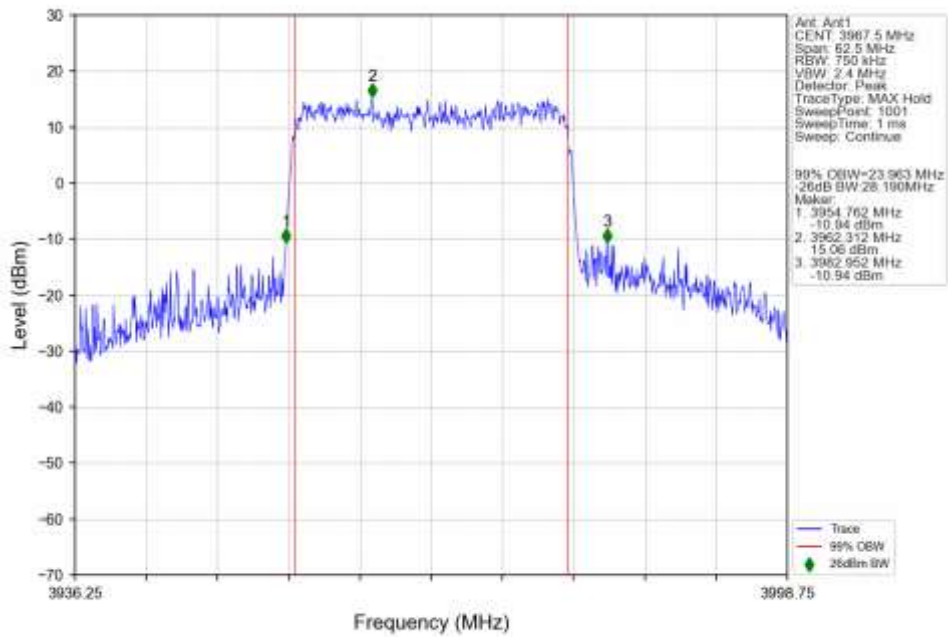
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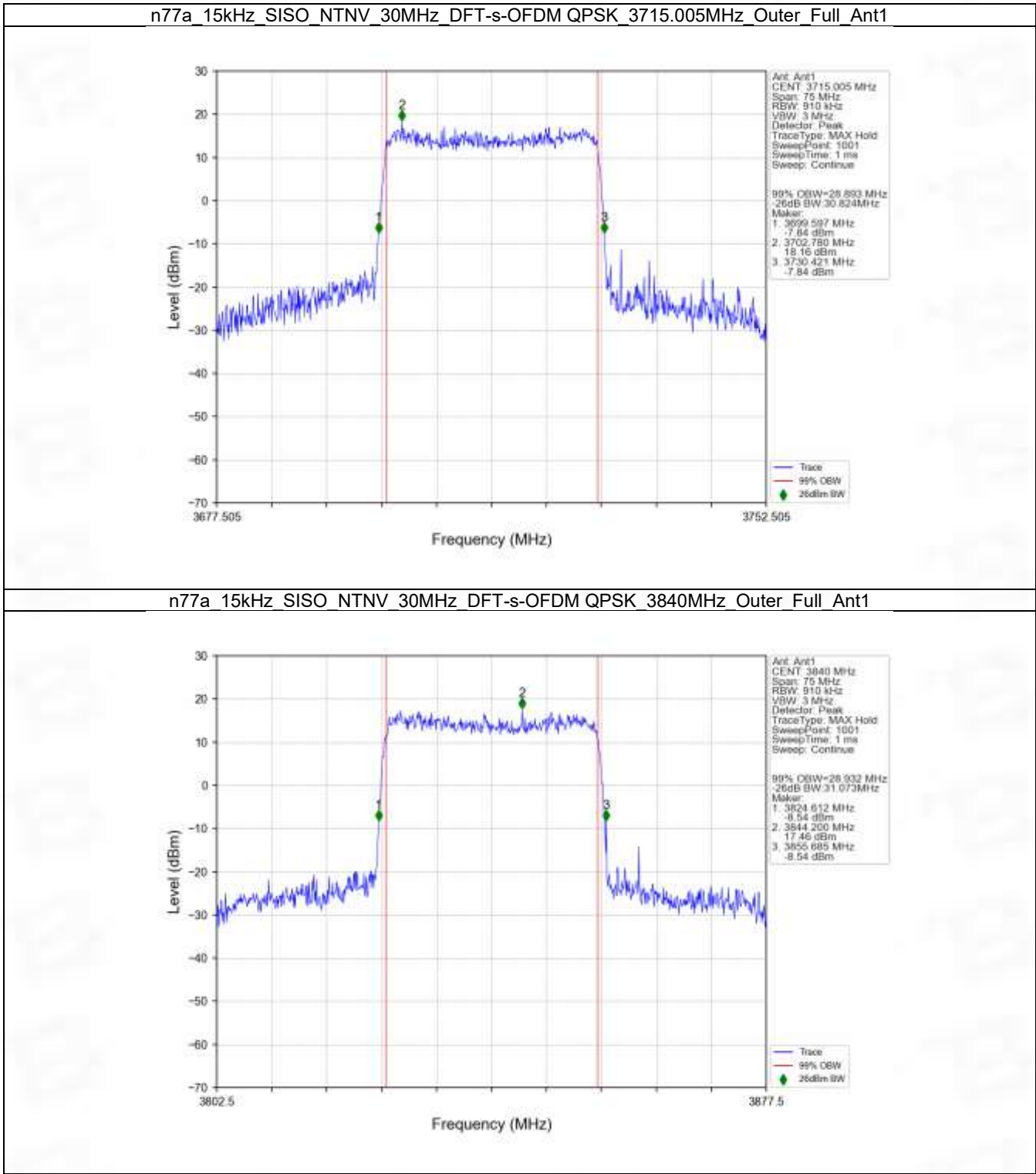
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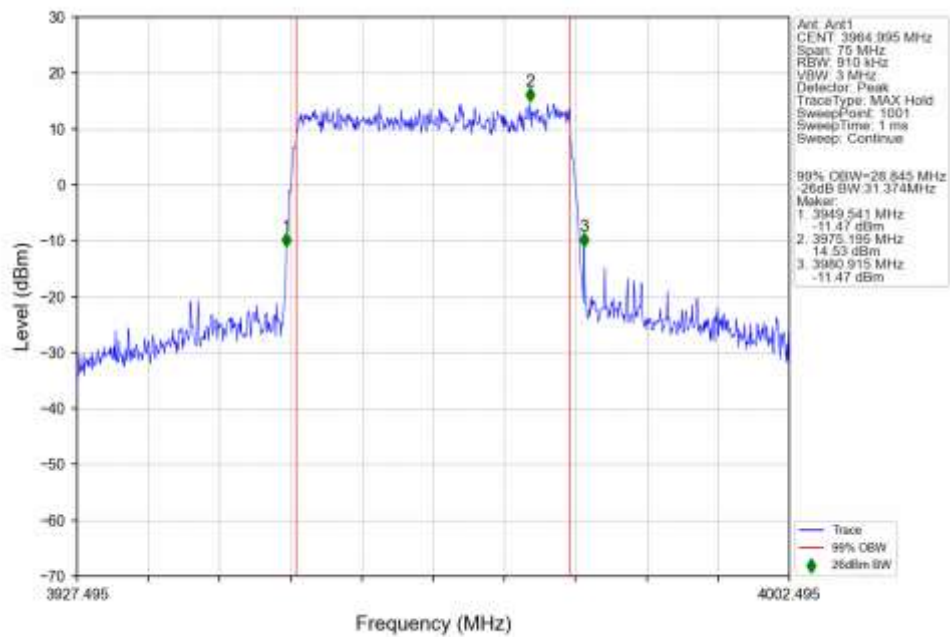
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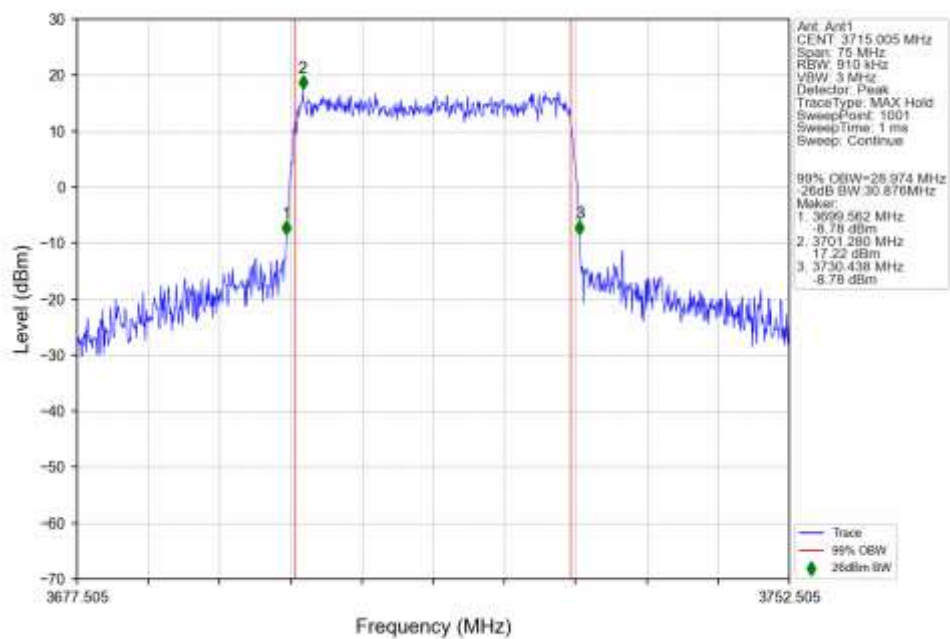
4.2.5 15k_SISO_30MHz_NTNV



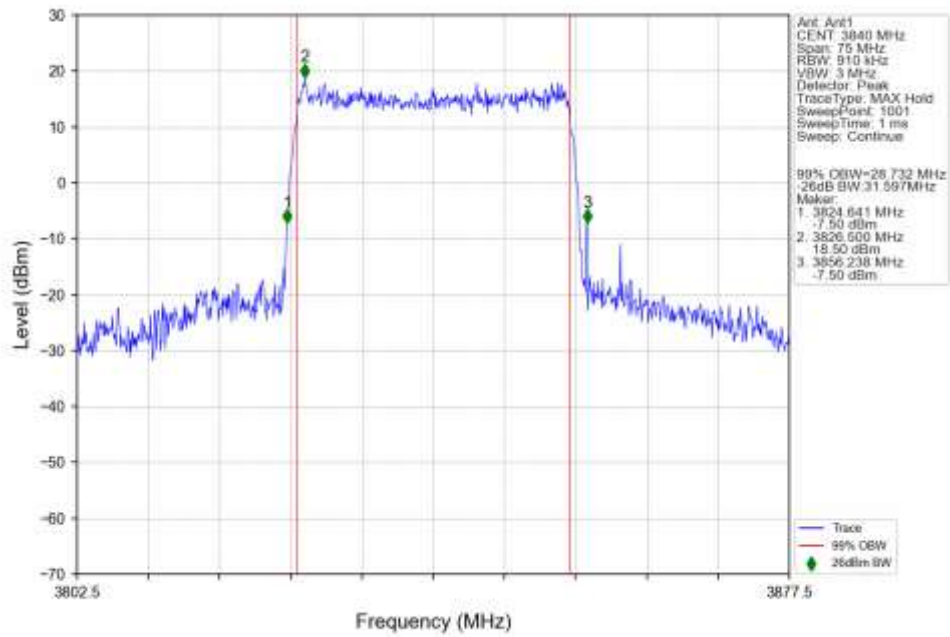
n77a_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_3964.995MHz_Outer_Full_Ant1



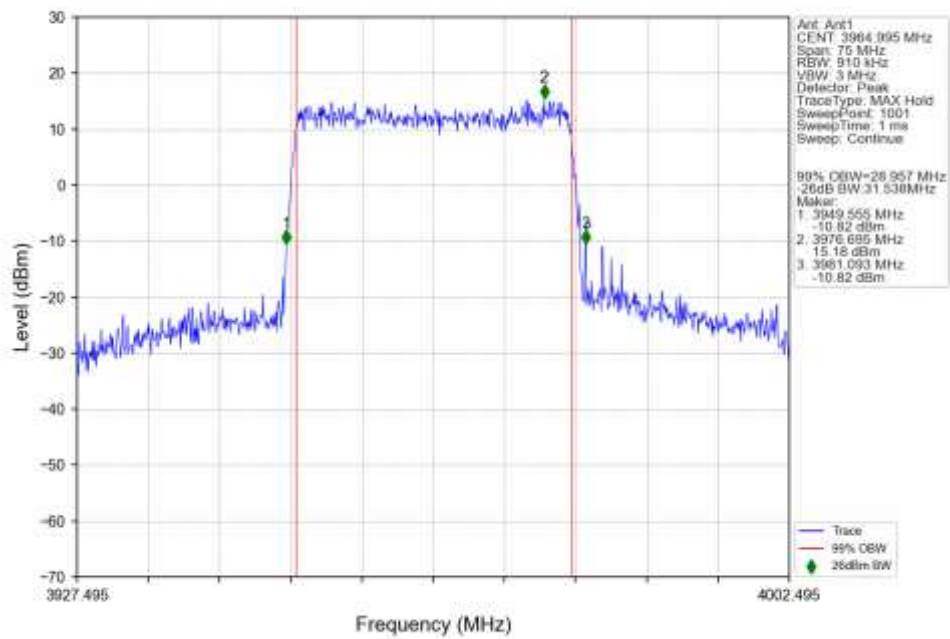
n77a_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM_16 QAM_3715.005MHz_Outer_Full_Ant1



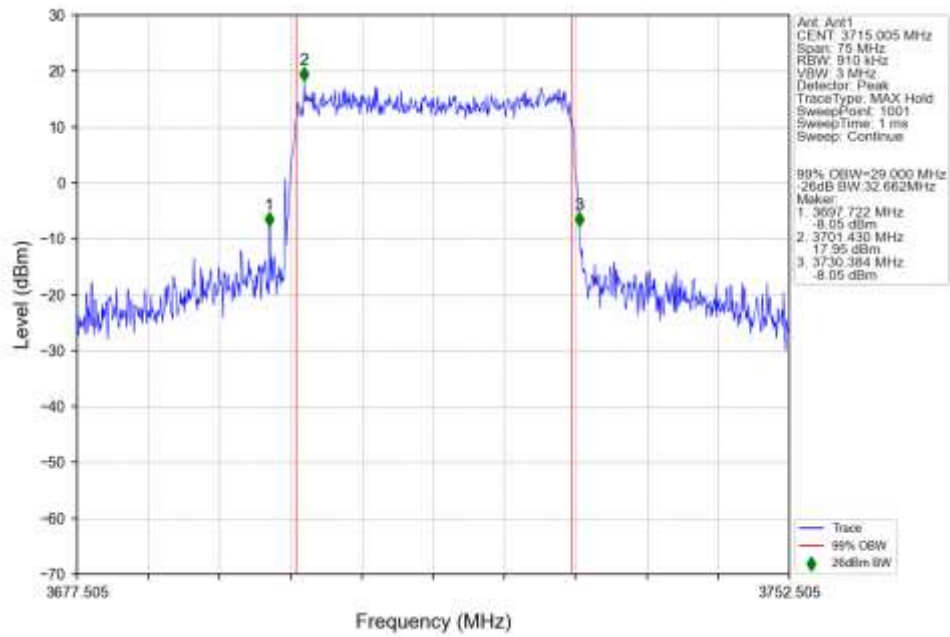
n77a 15kHz SISO NTN 30MHz DFT-s-OFDM 16 QAM 3840MHz Outer Full Ant1



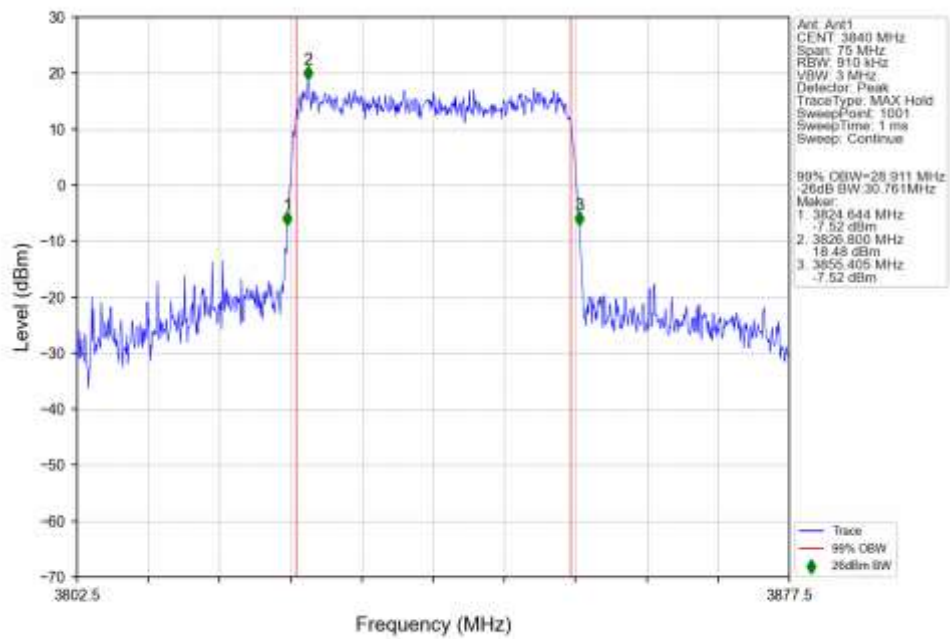
n77a 15kHz SISO NTN 30MHz DFT-s-OFDM 16 QAM 3964.995MHz Outer Full Ant1



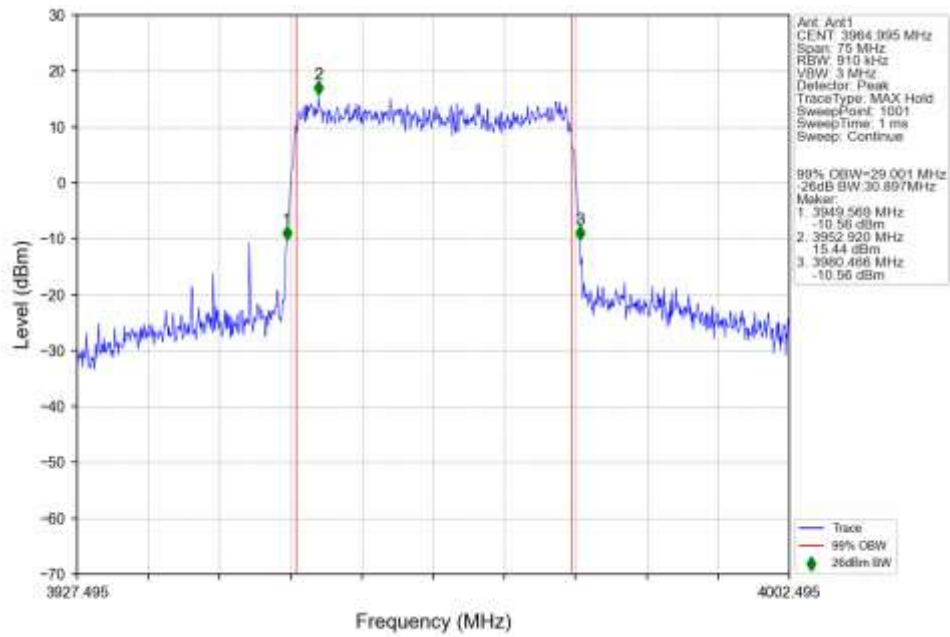
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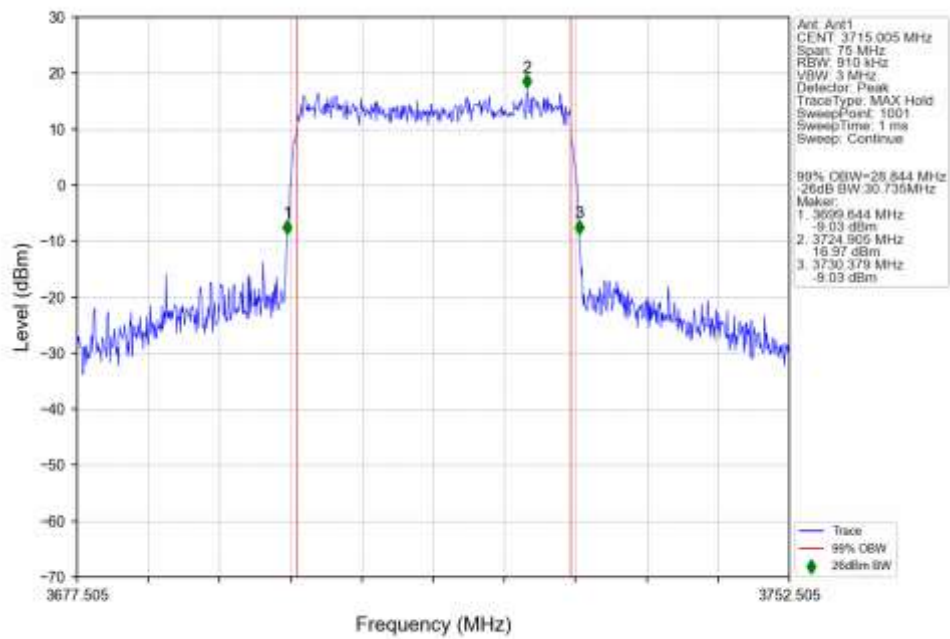
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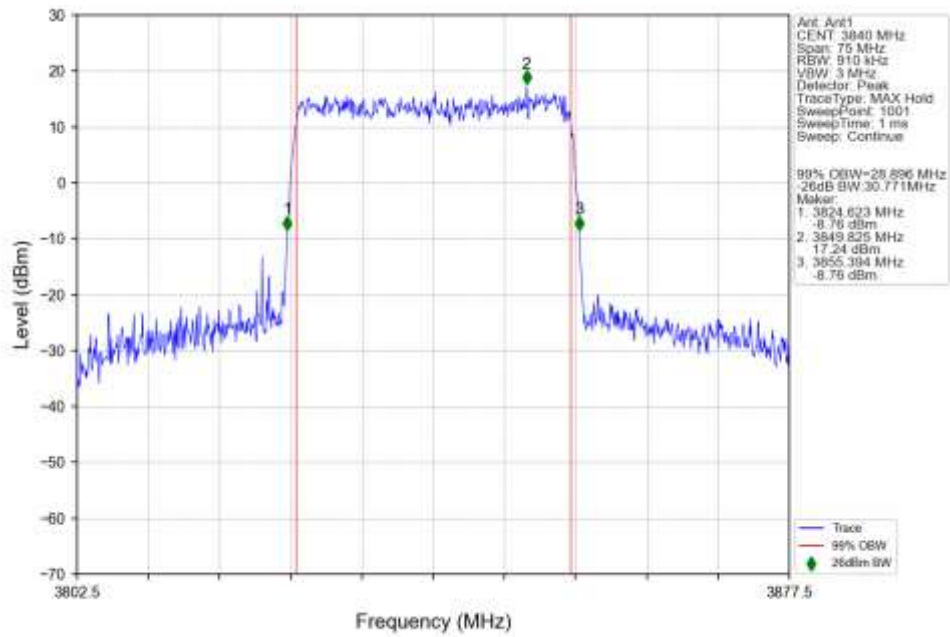
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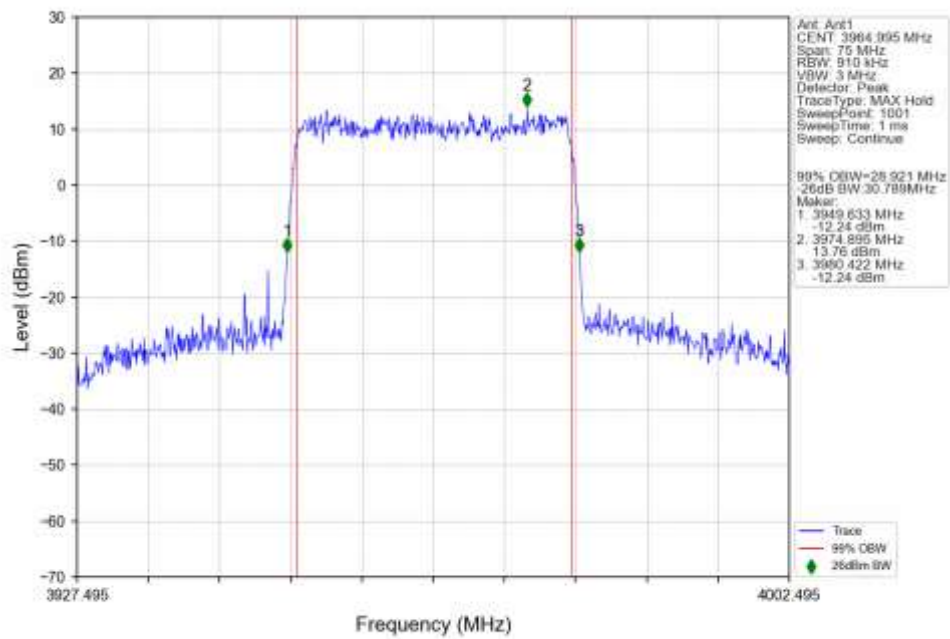
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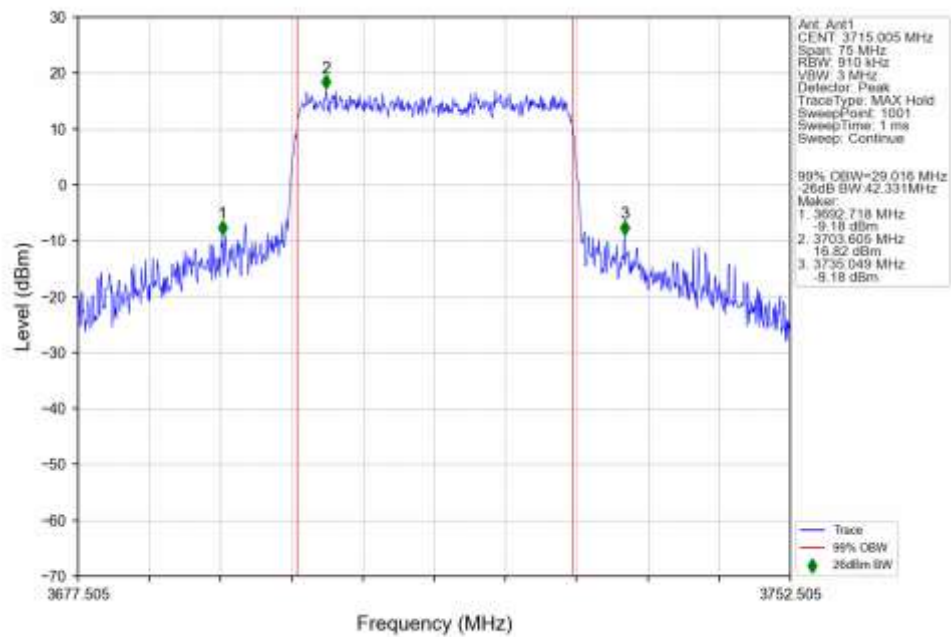
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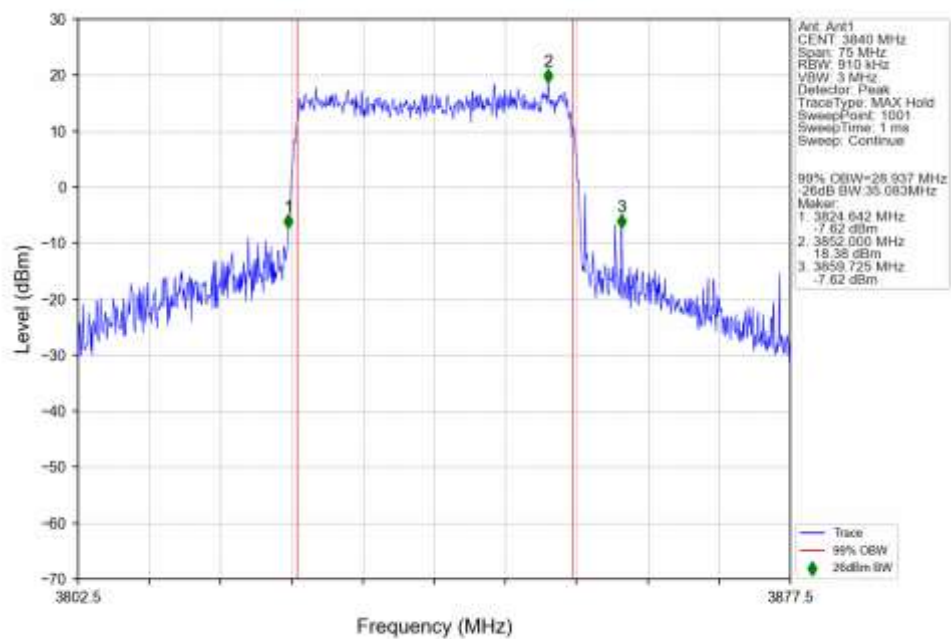
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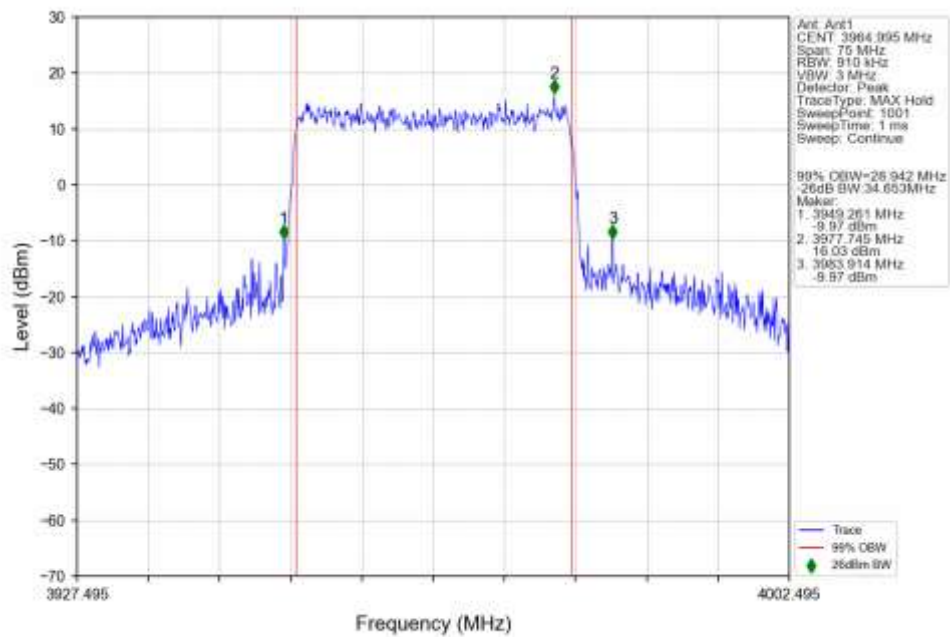
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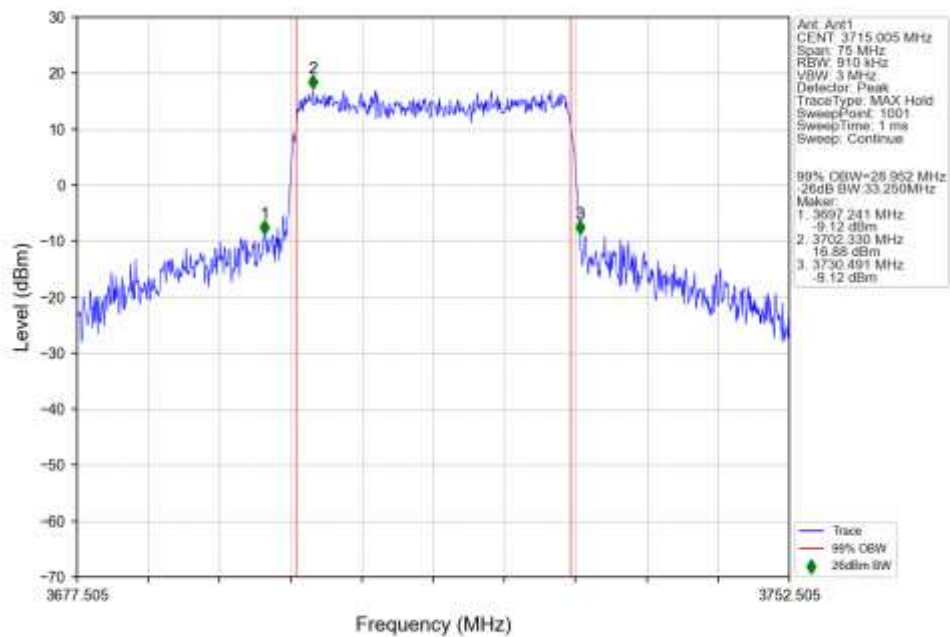
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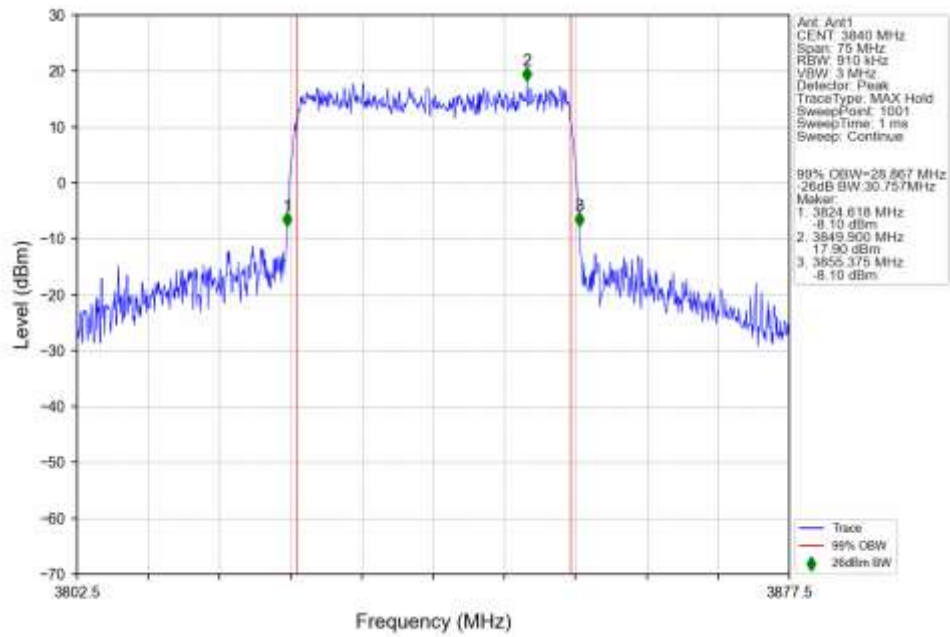
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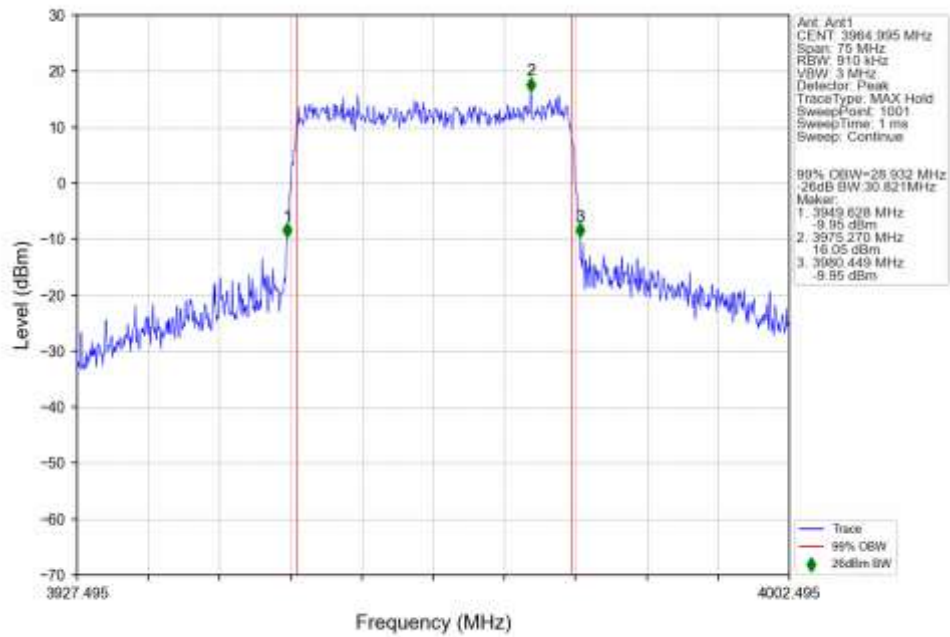
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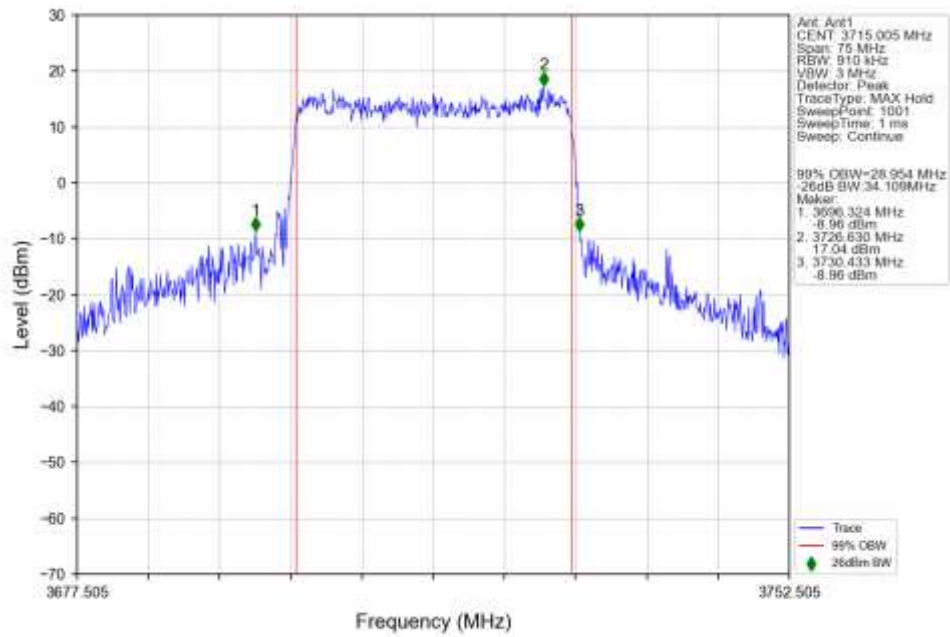
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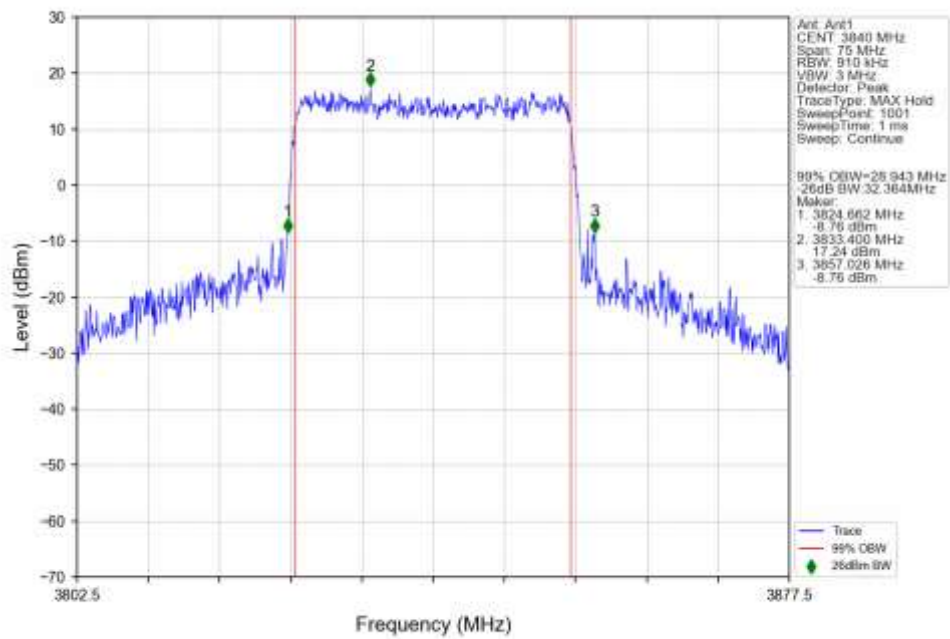
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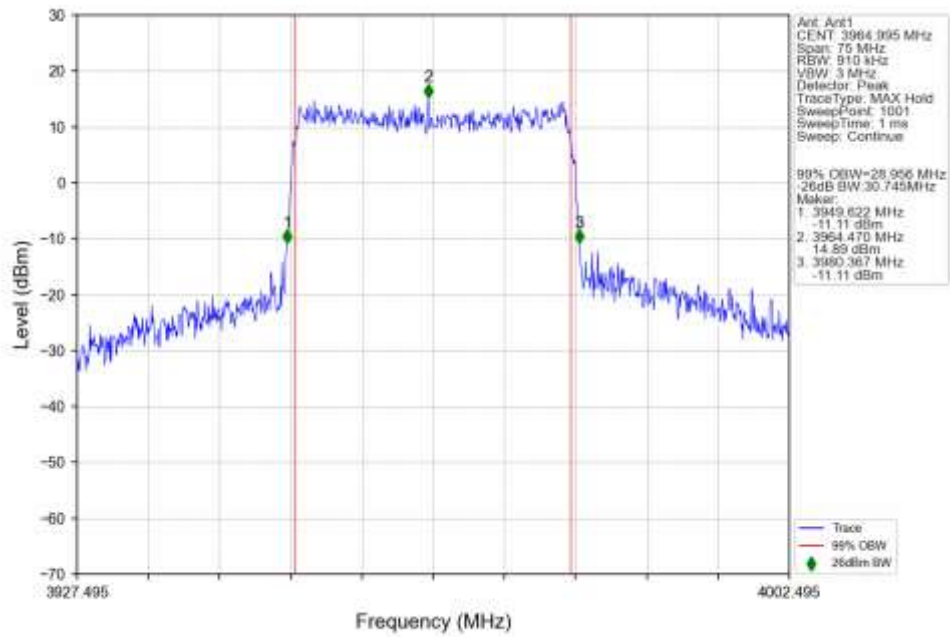
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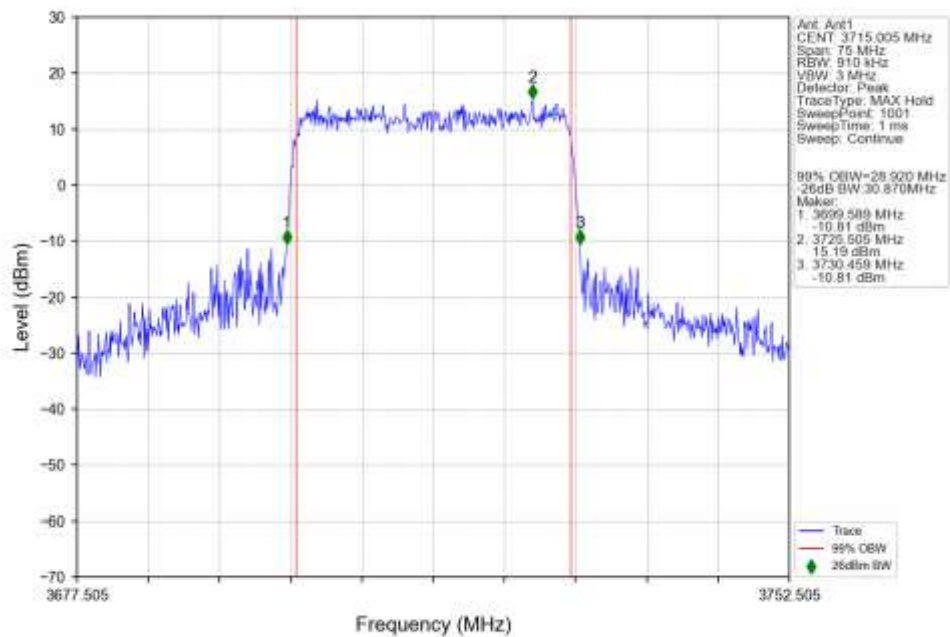
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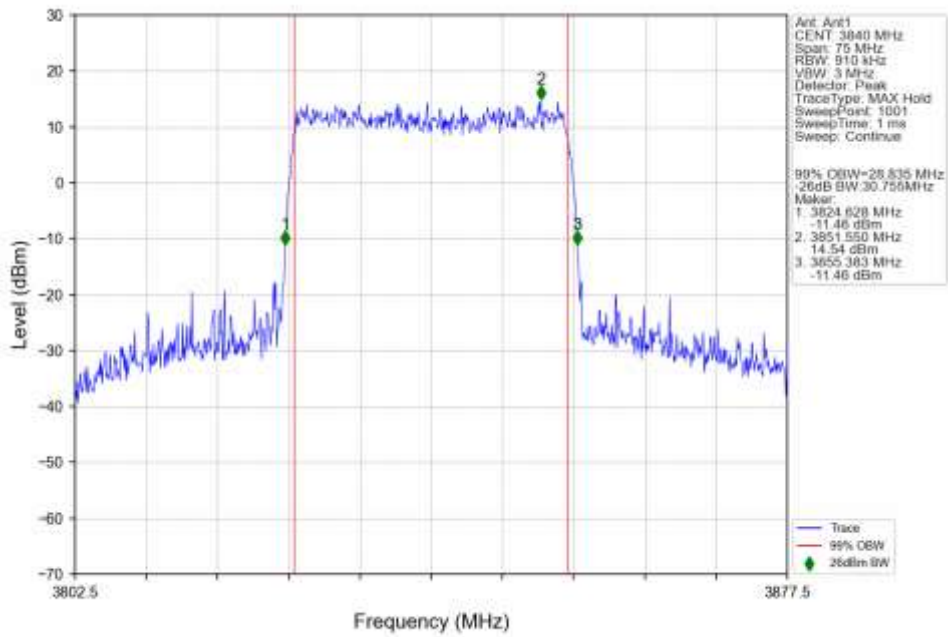
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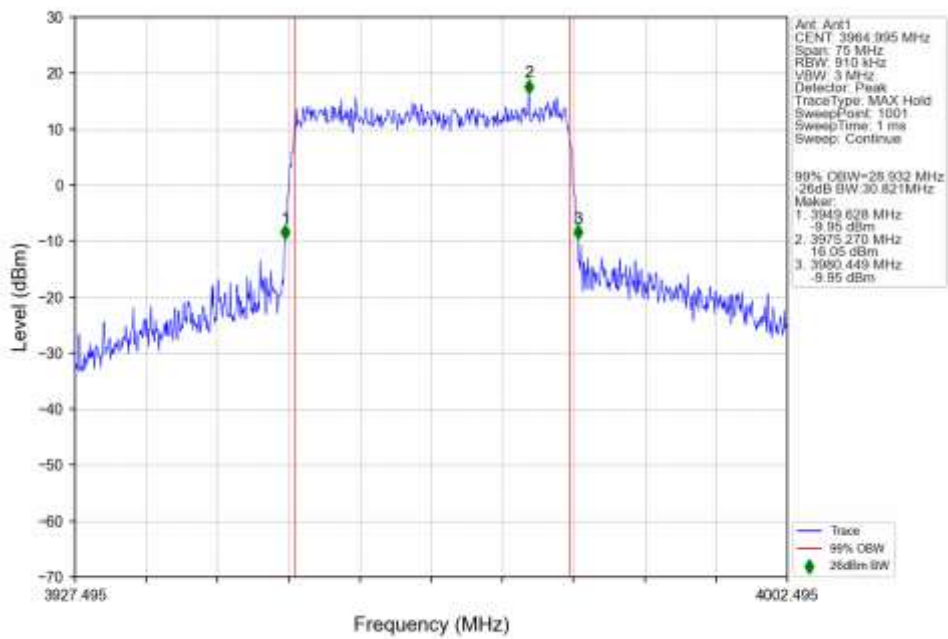
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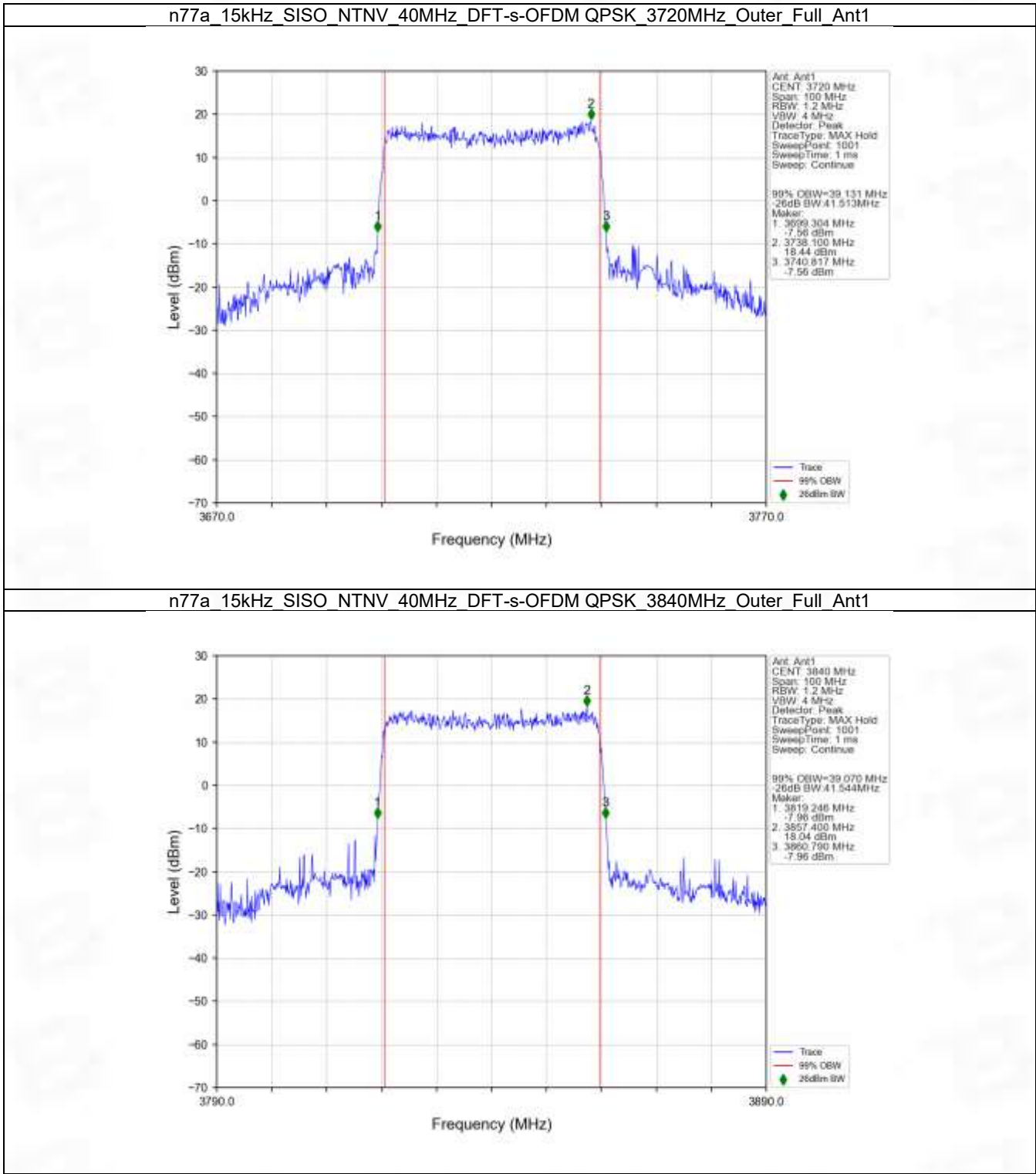
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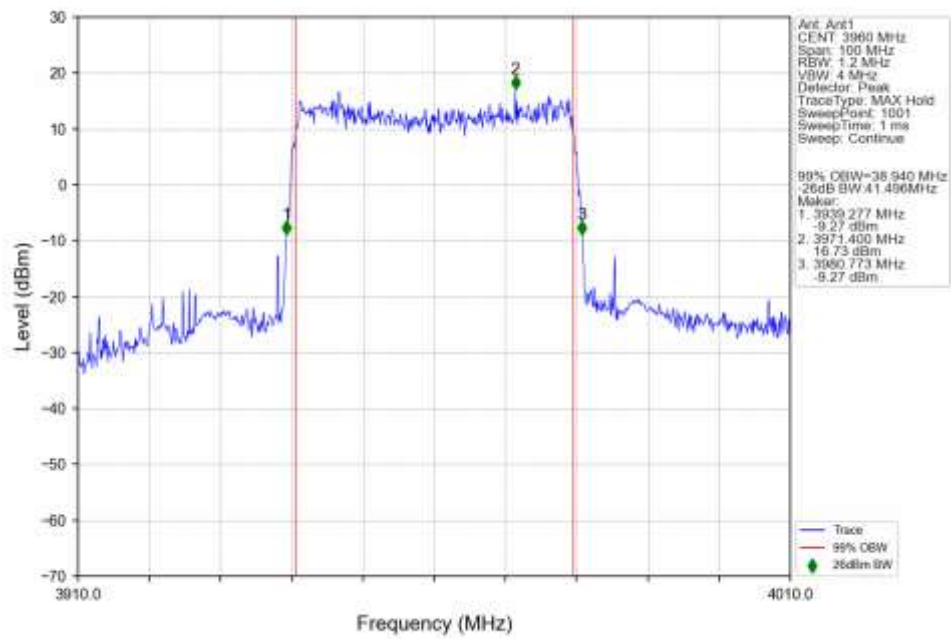
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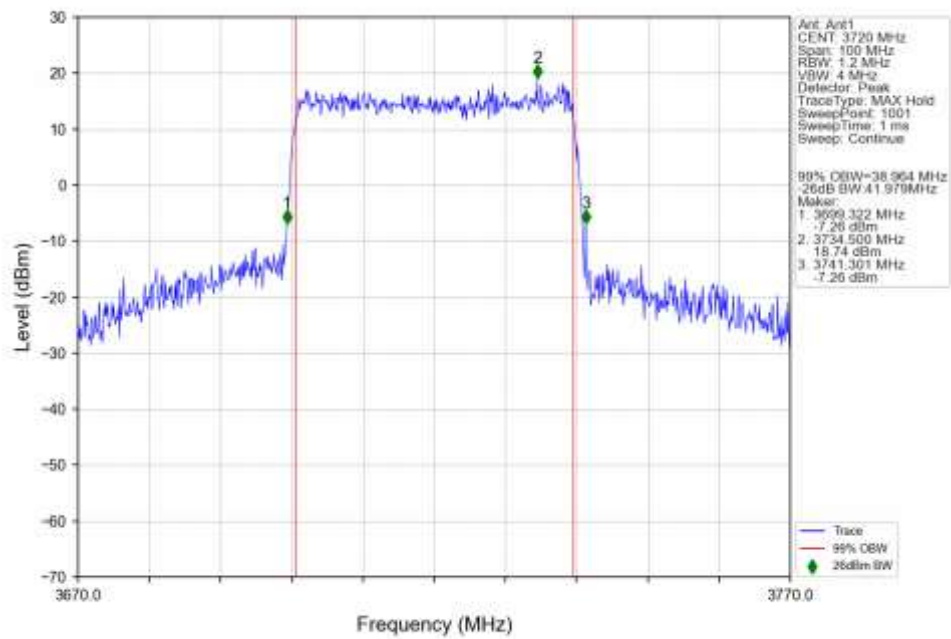
4.2.6 15k_SISO_40MHz_NTNV



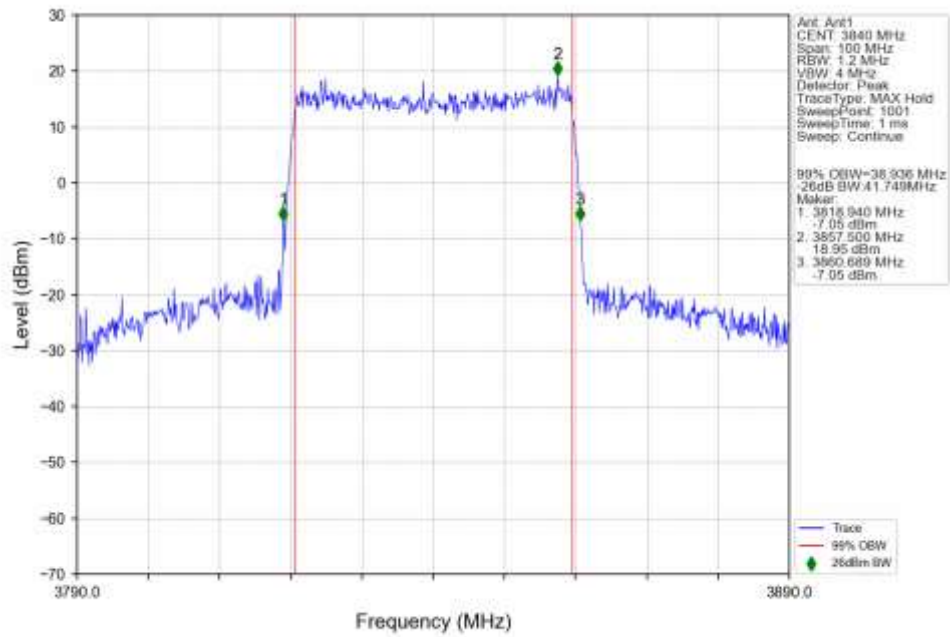
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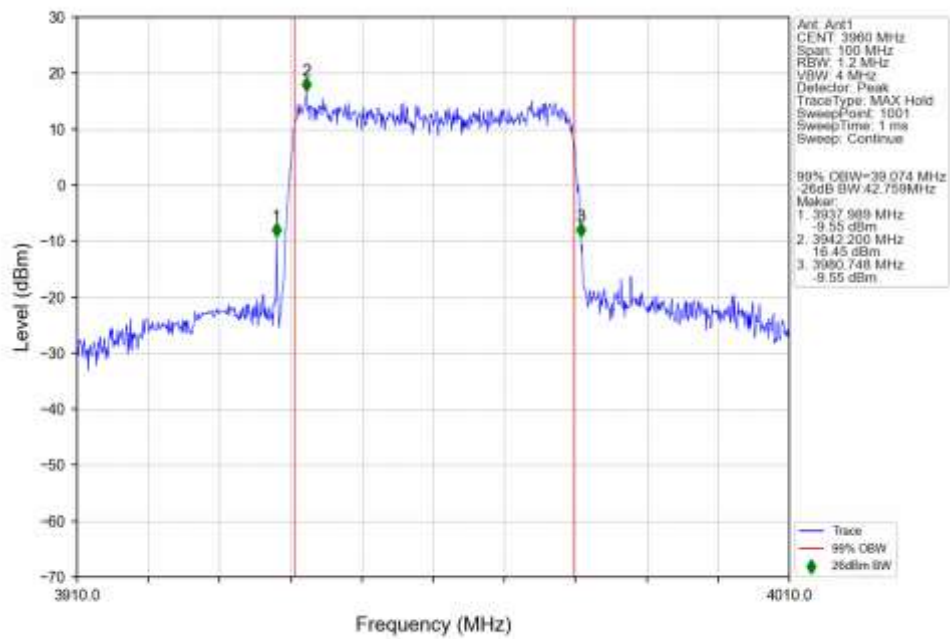
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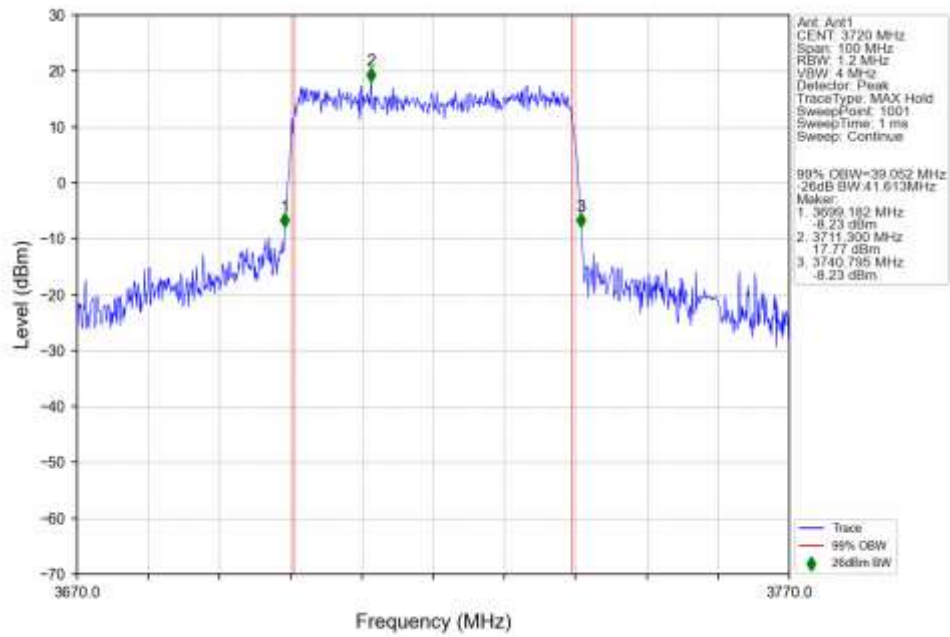
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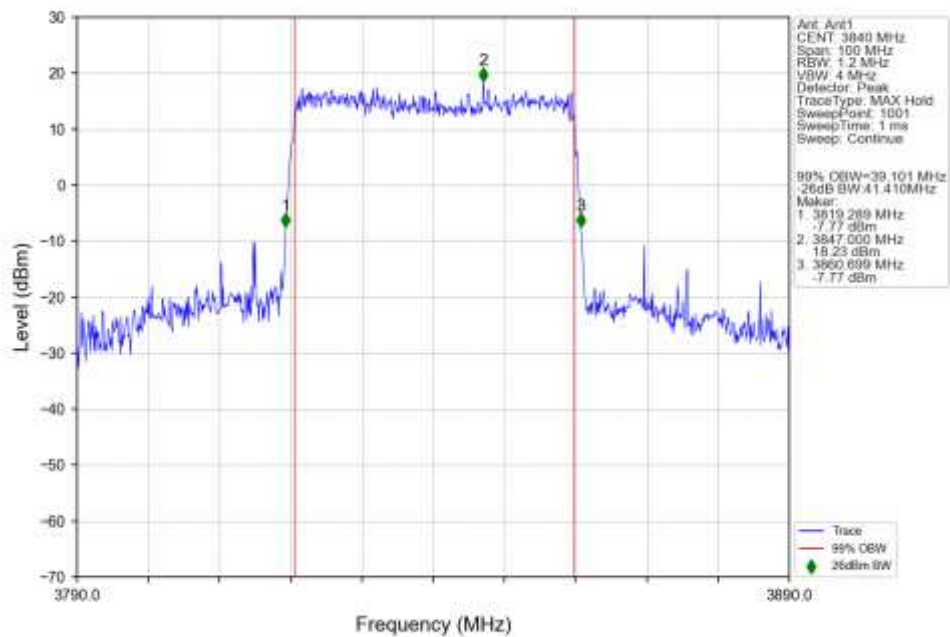
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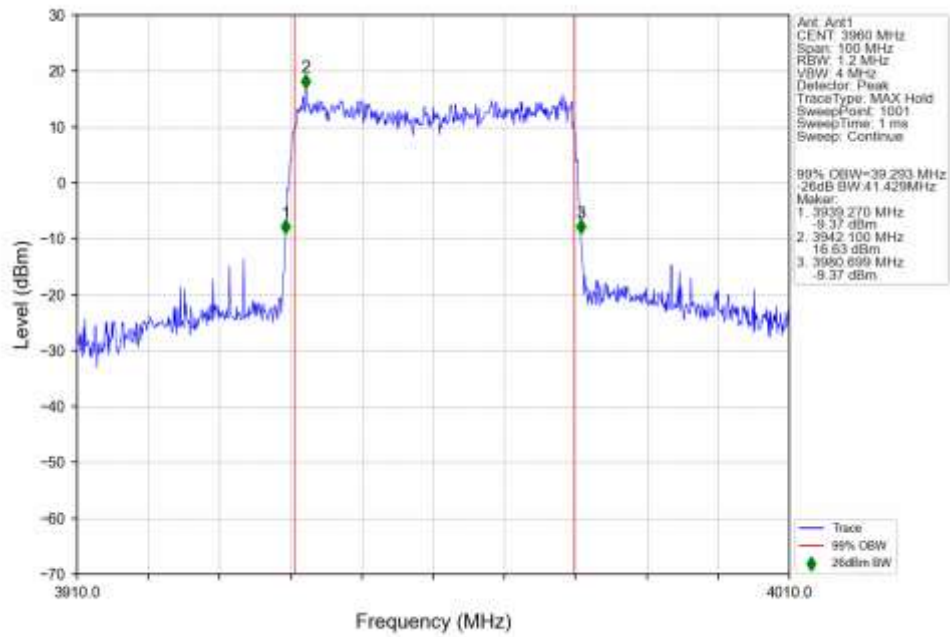
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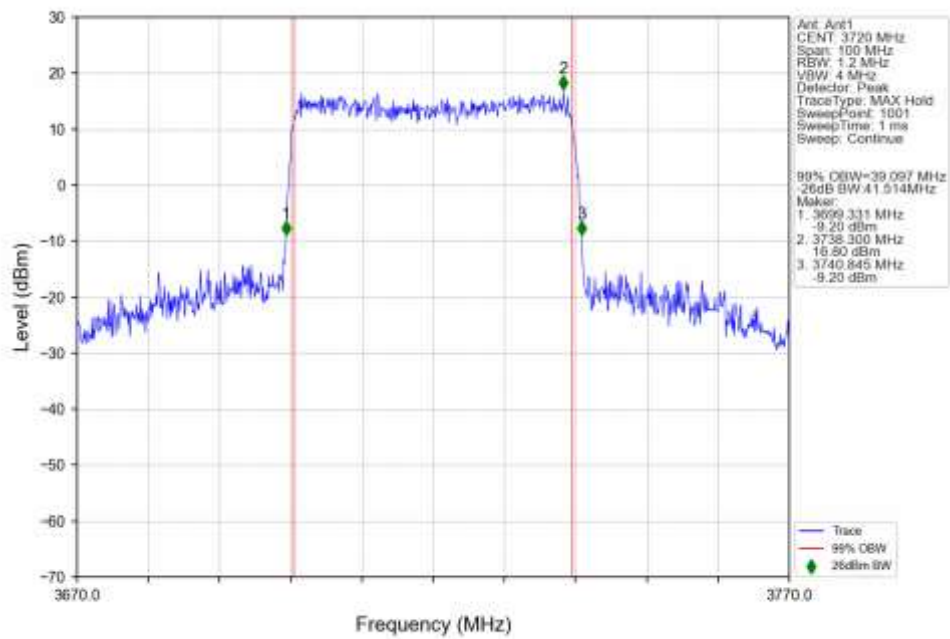
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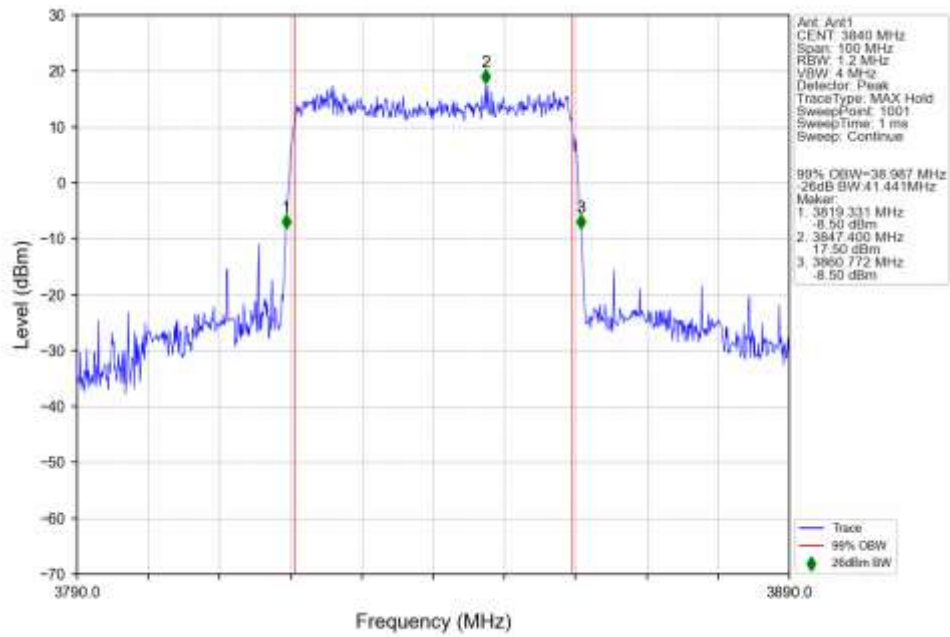
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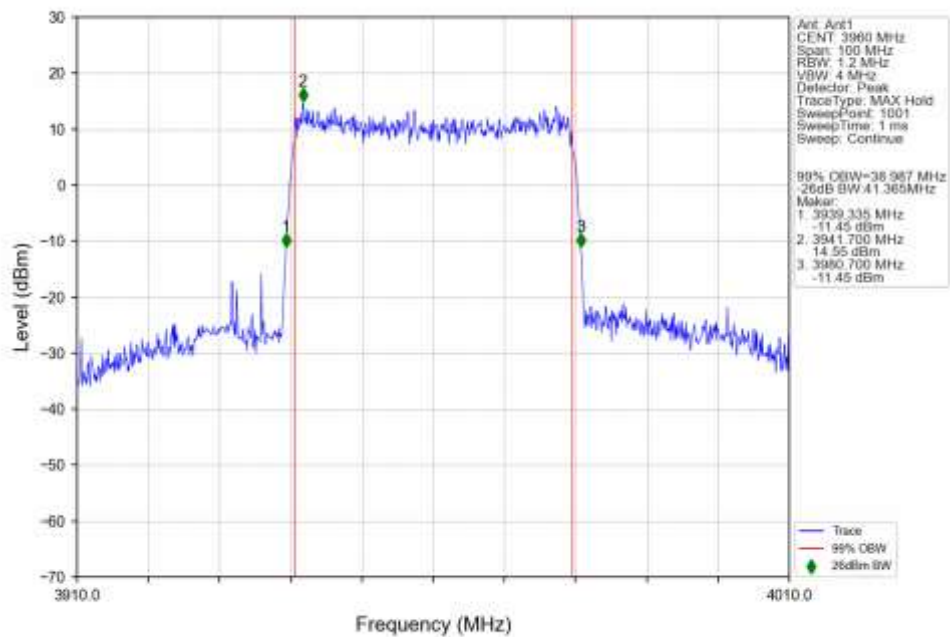
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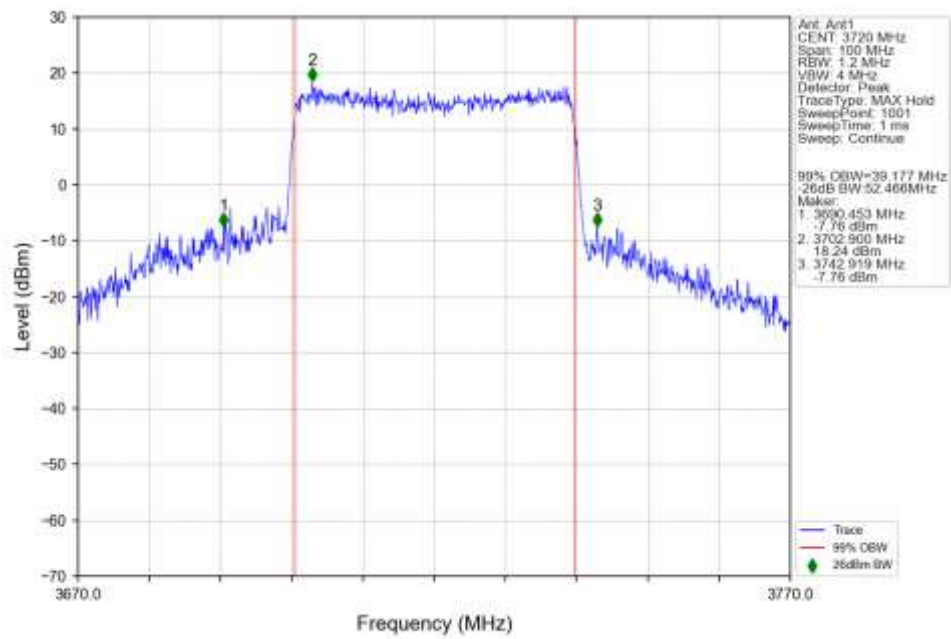
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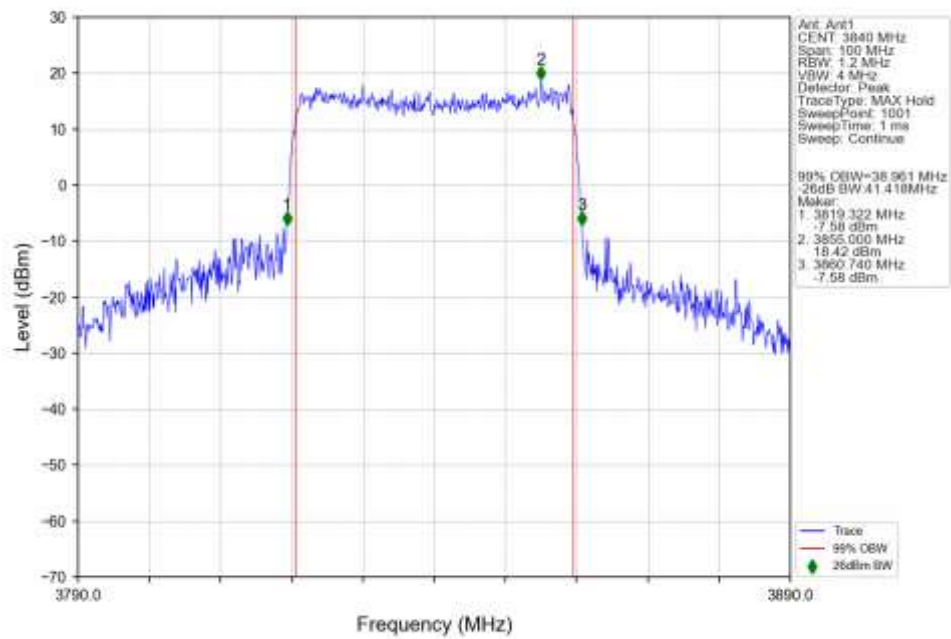
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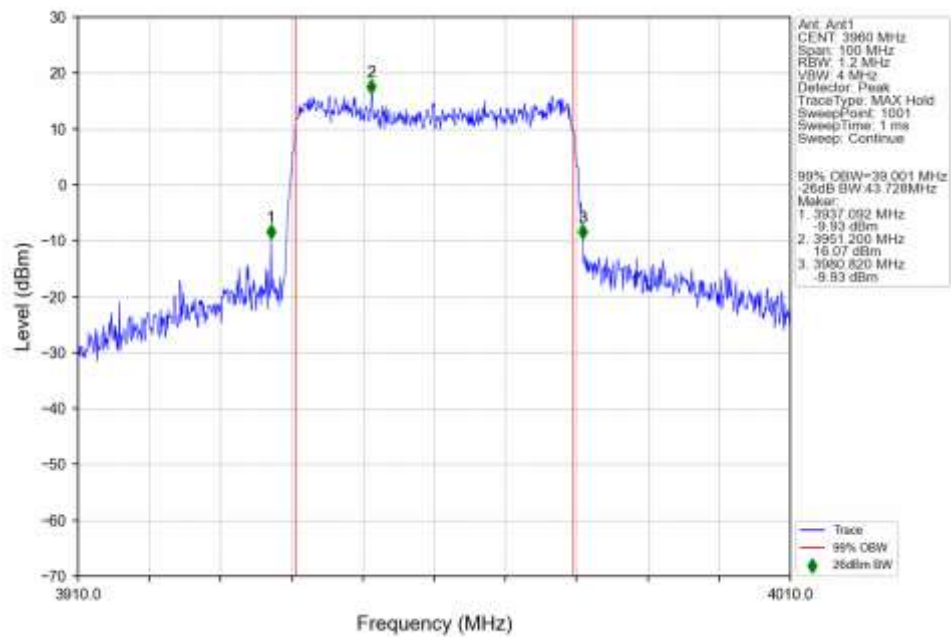
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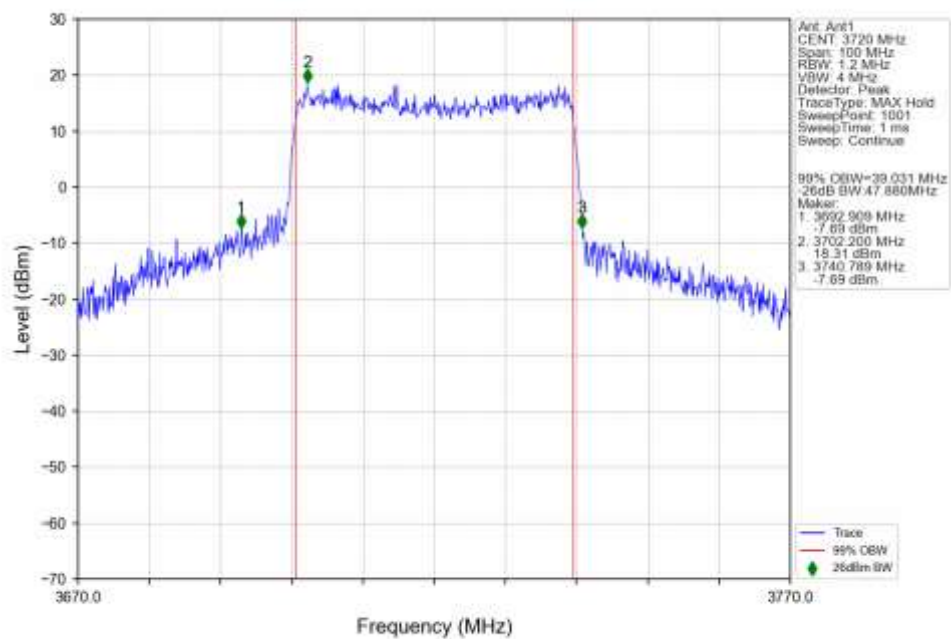
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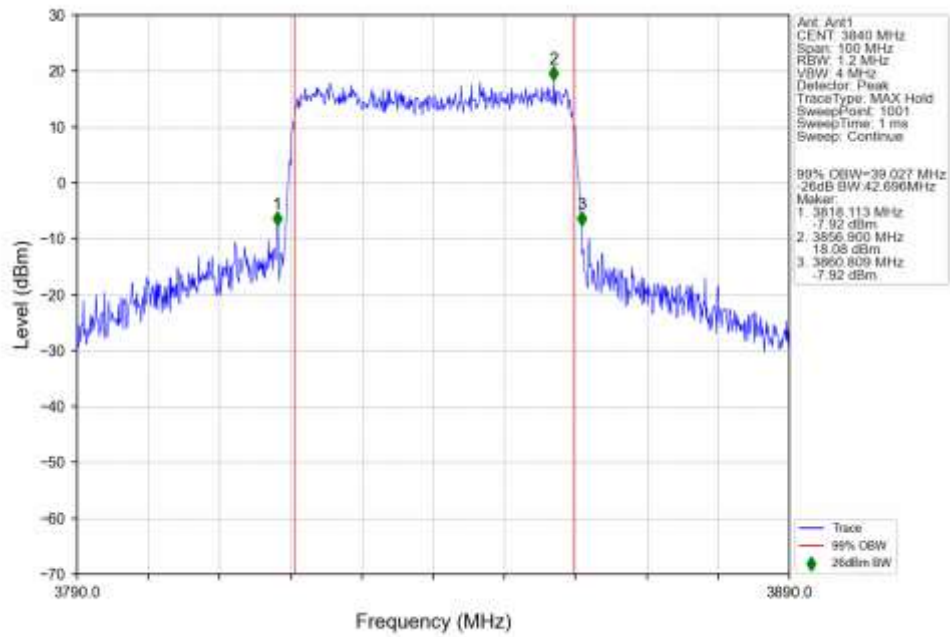
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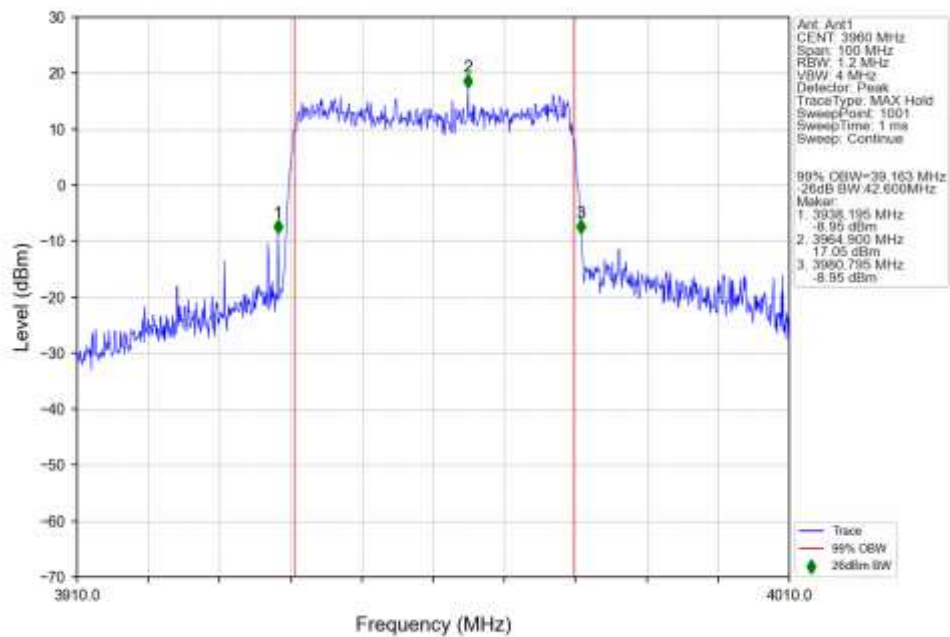
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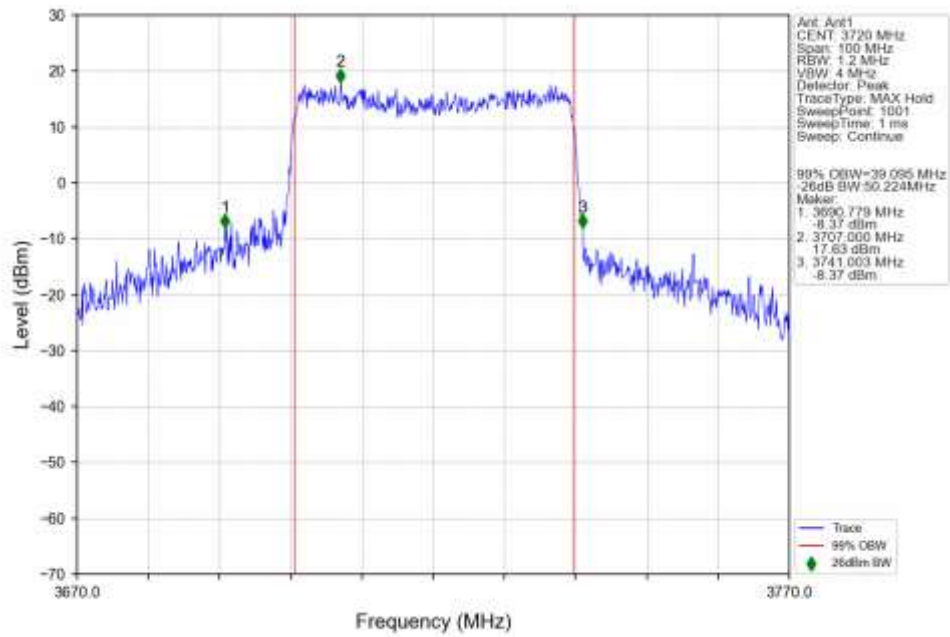
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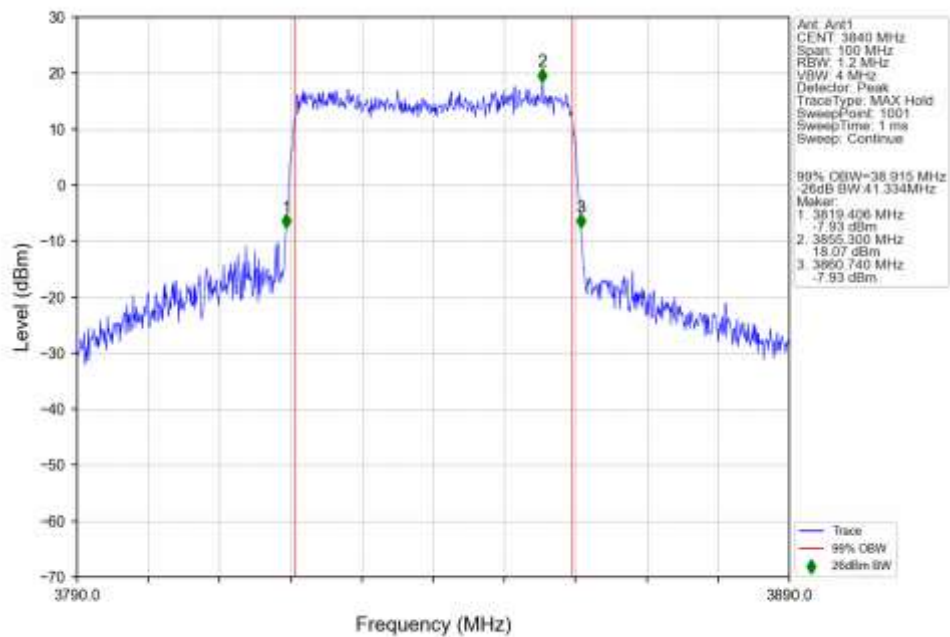
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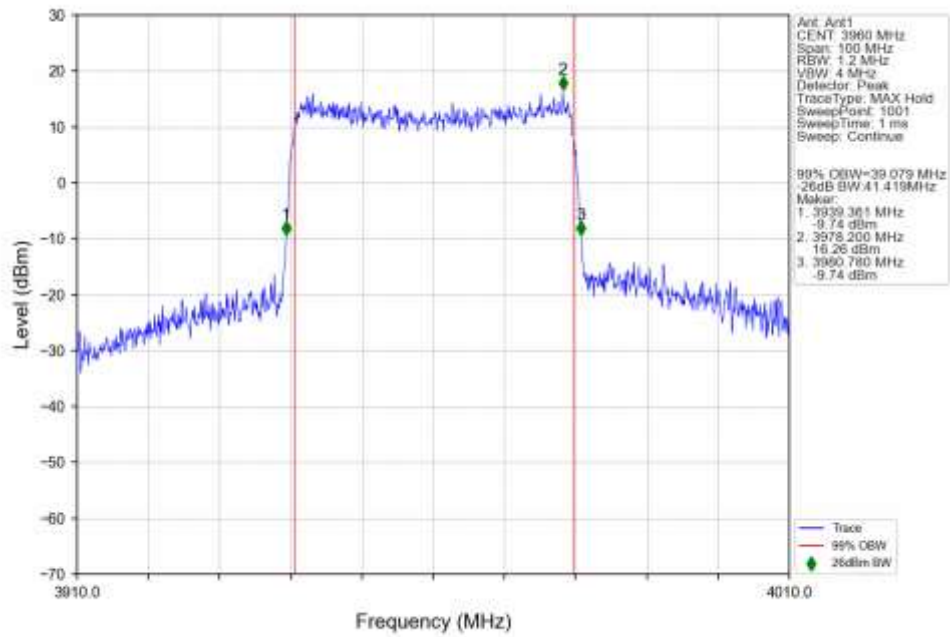
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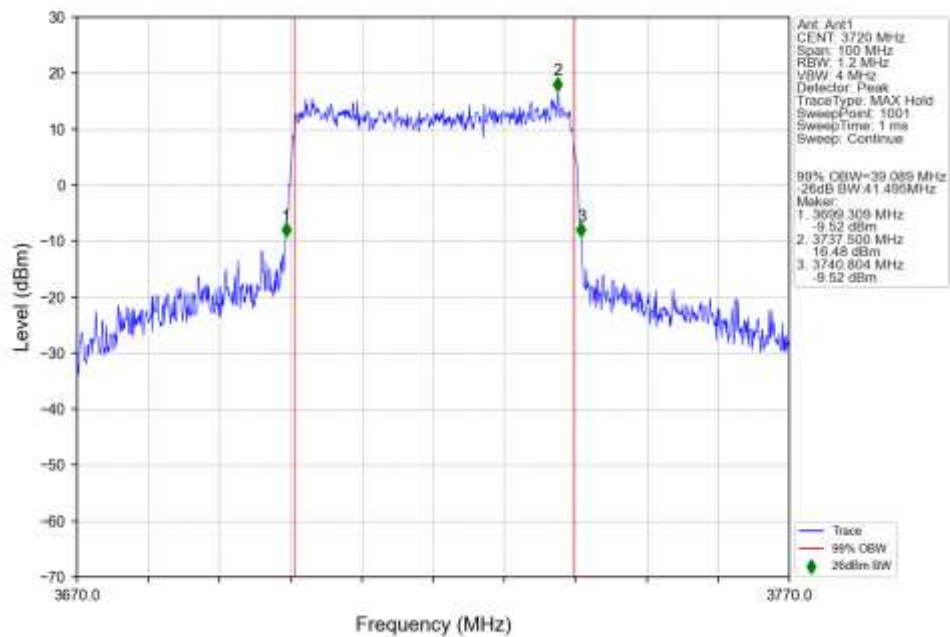
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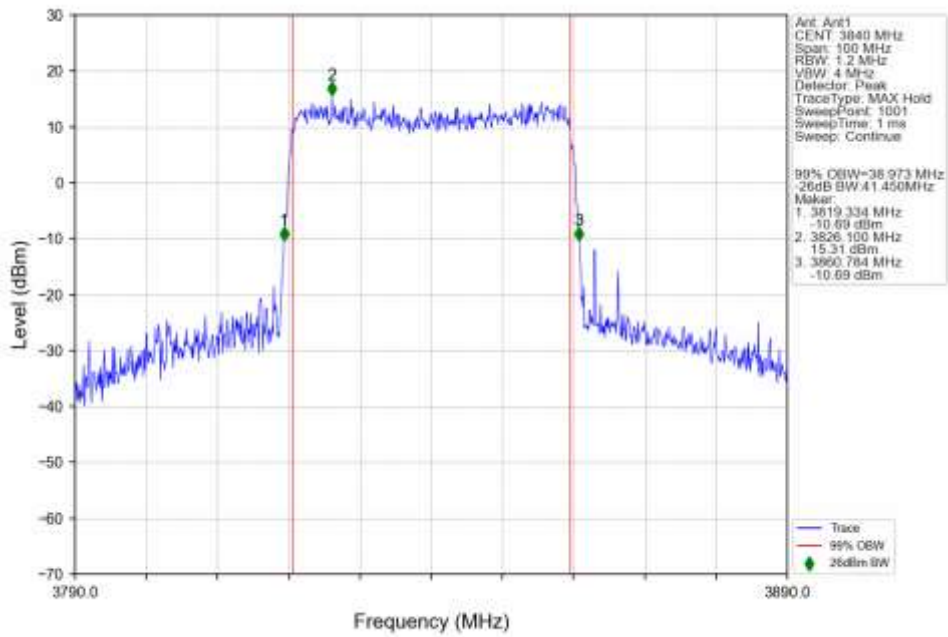
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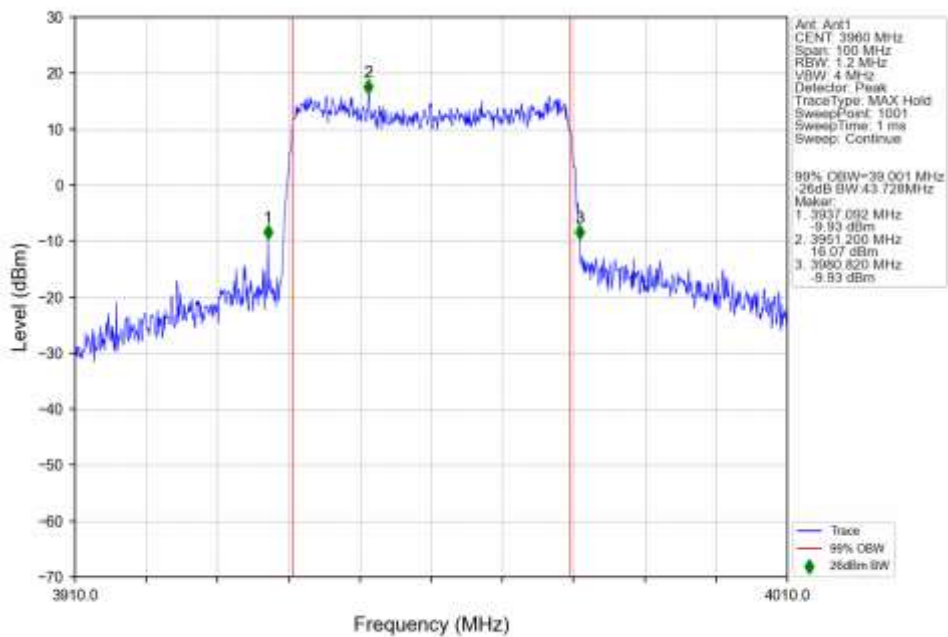
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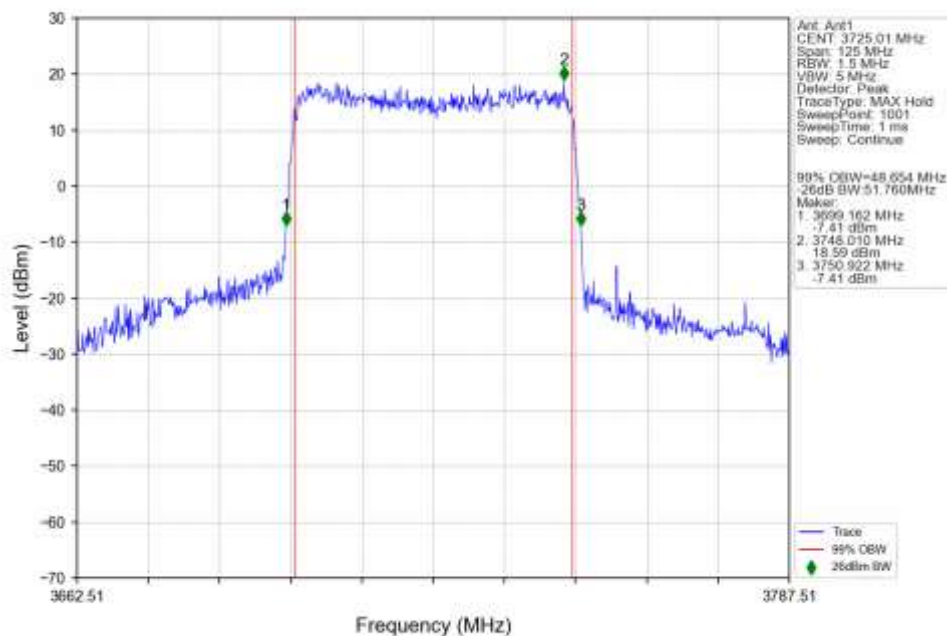


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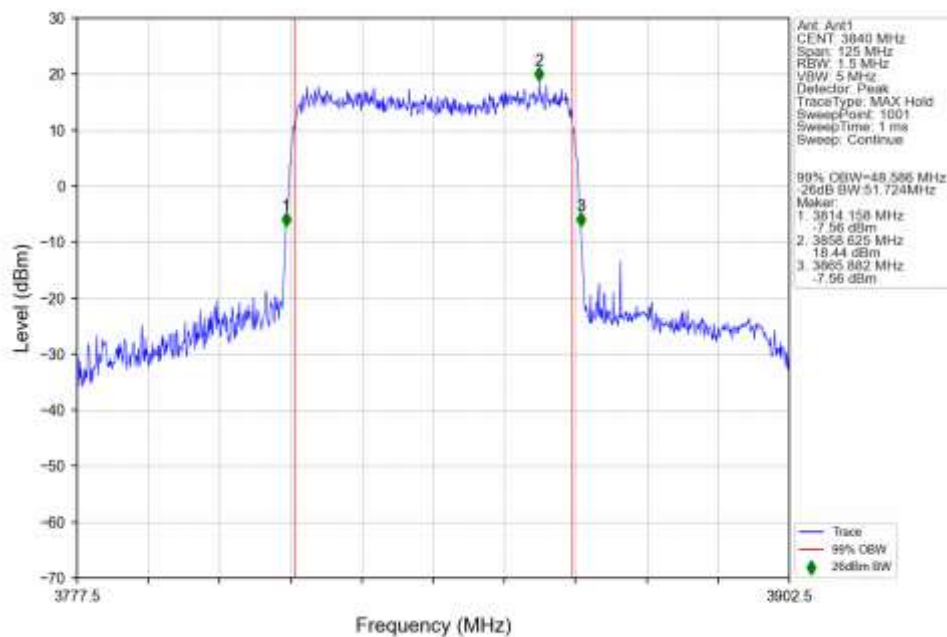


4.2.7 15k_SISO_50MHz_NTNV

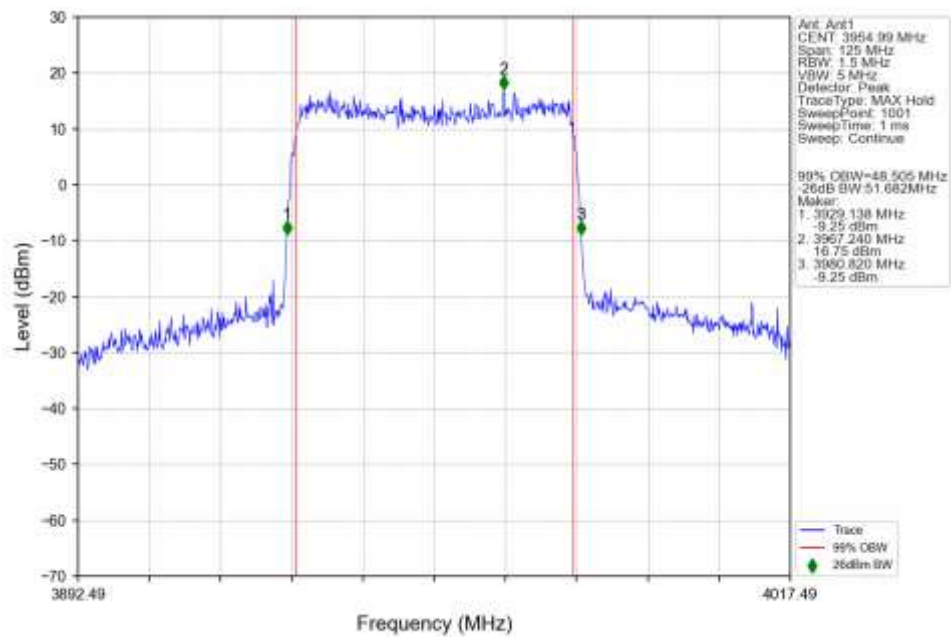
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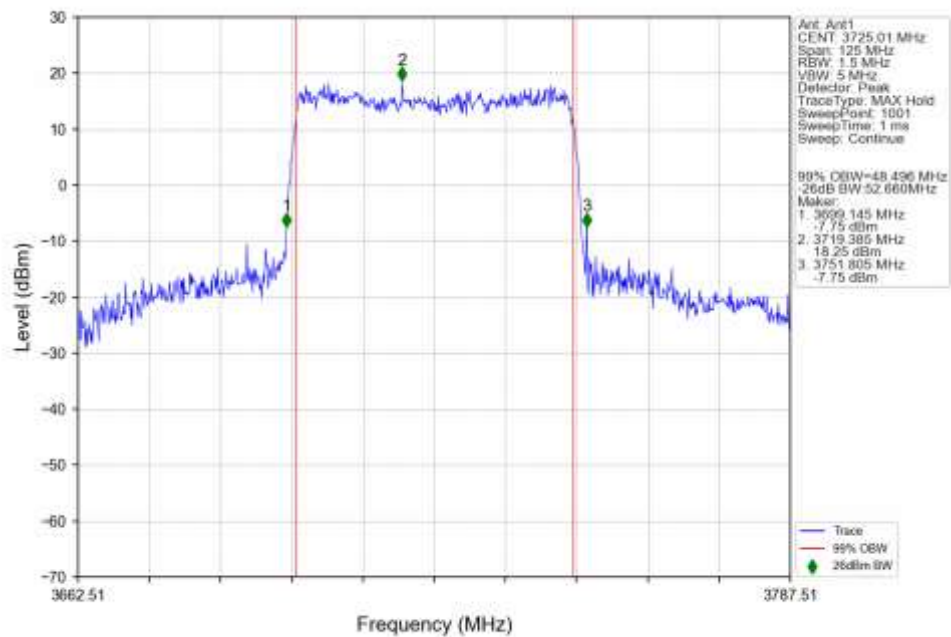
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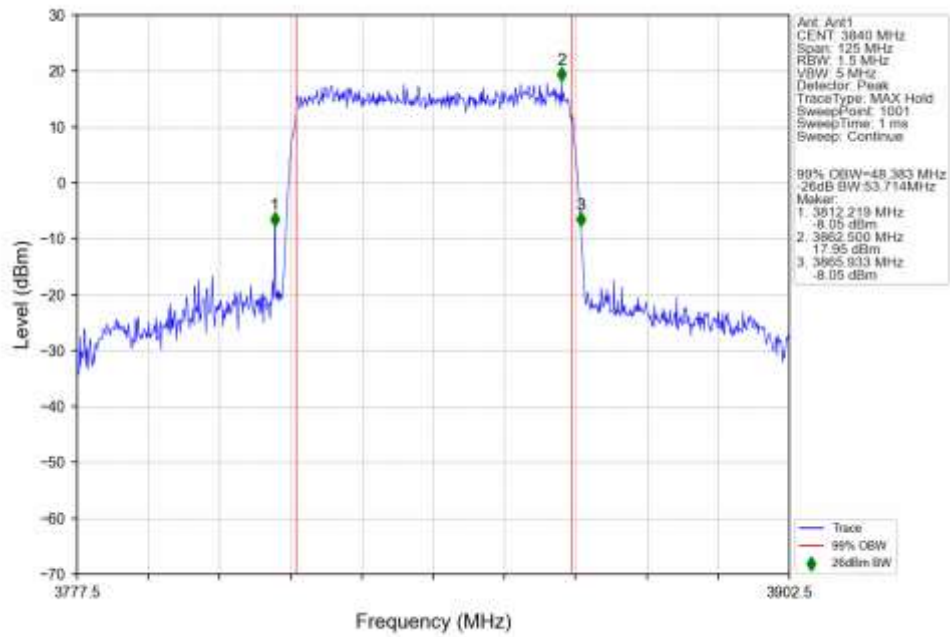
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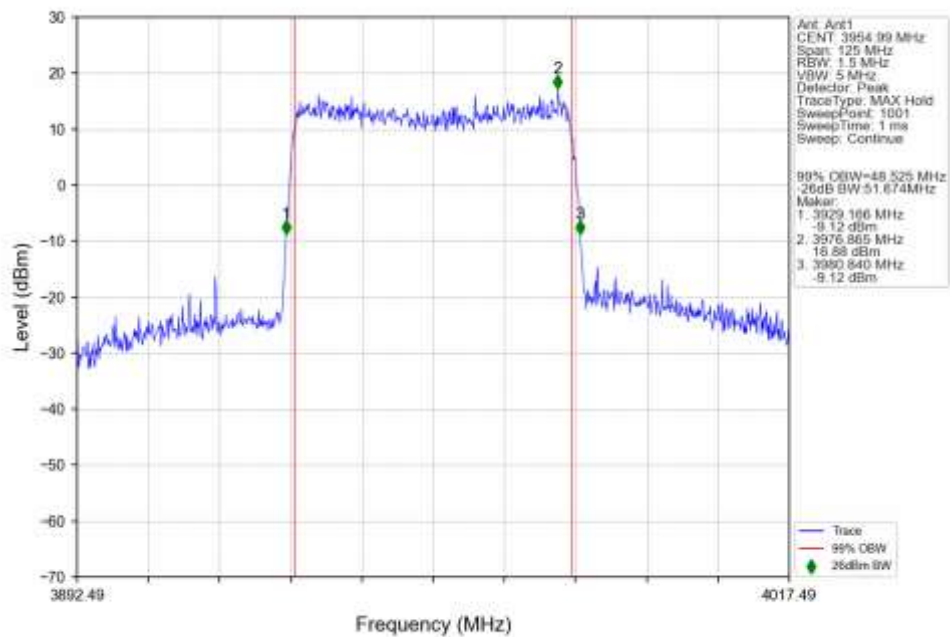
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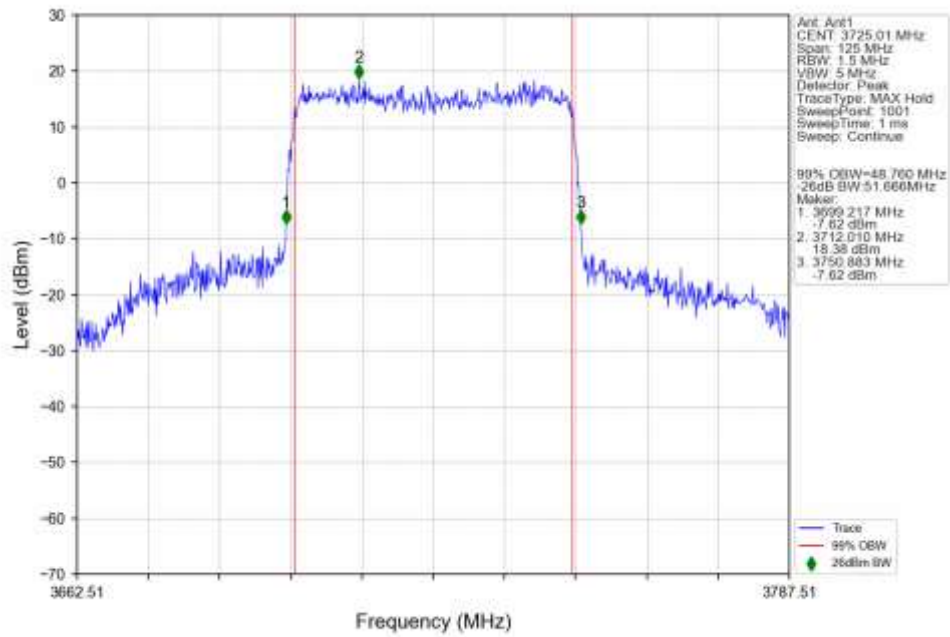
n77a 15kHz SISO NTN 50MHz DFT-s-OFDM 16 QAM 3840MHz Outer Full Ant1



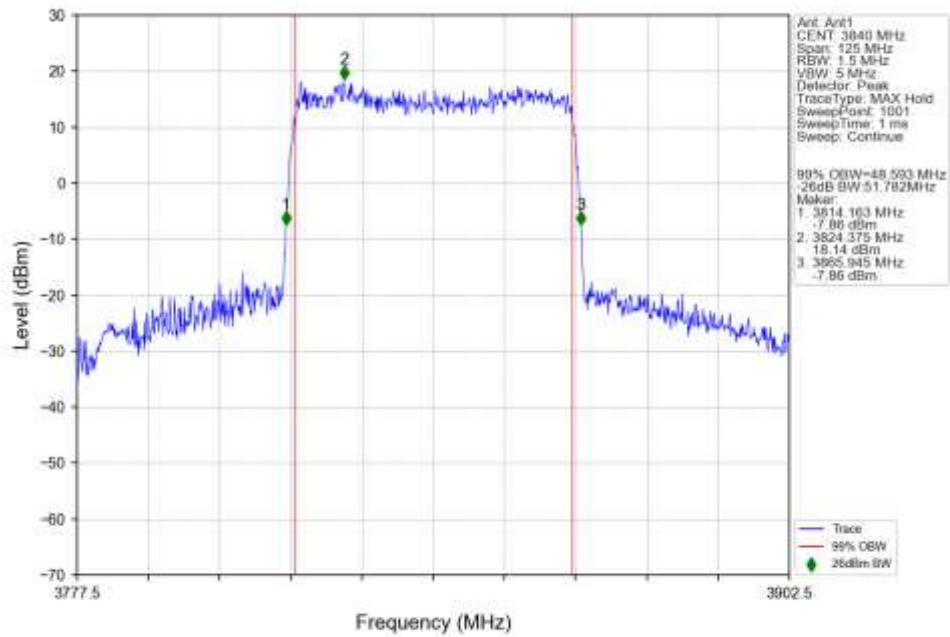
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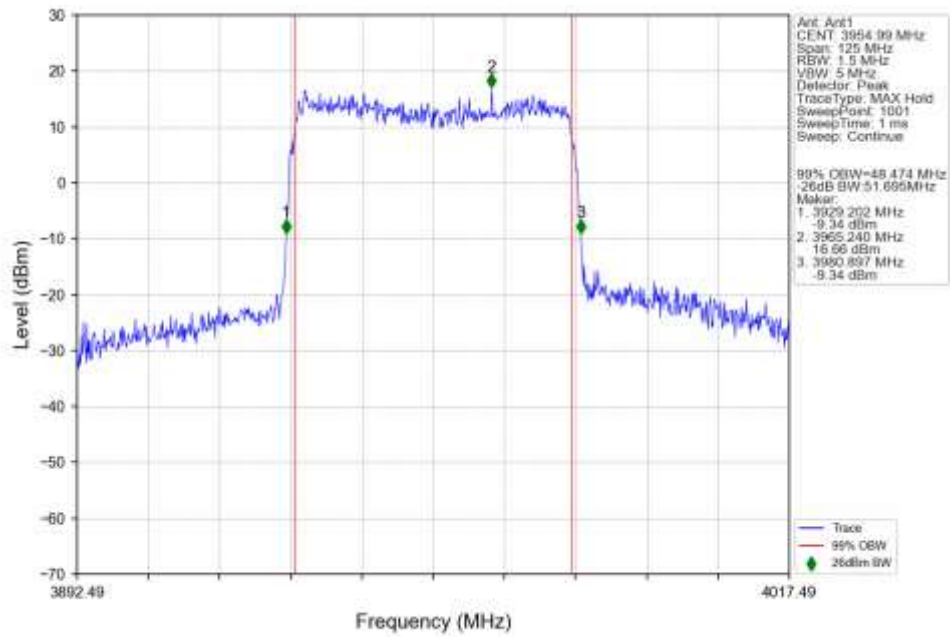
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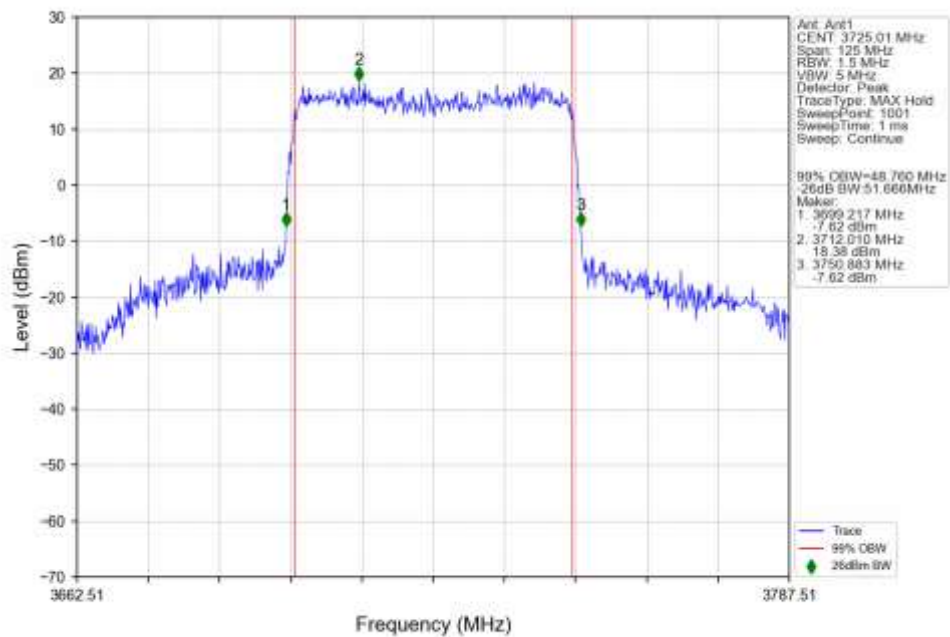
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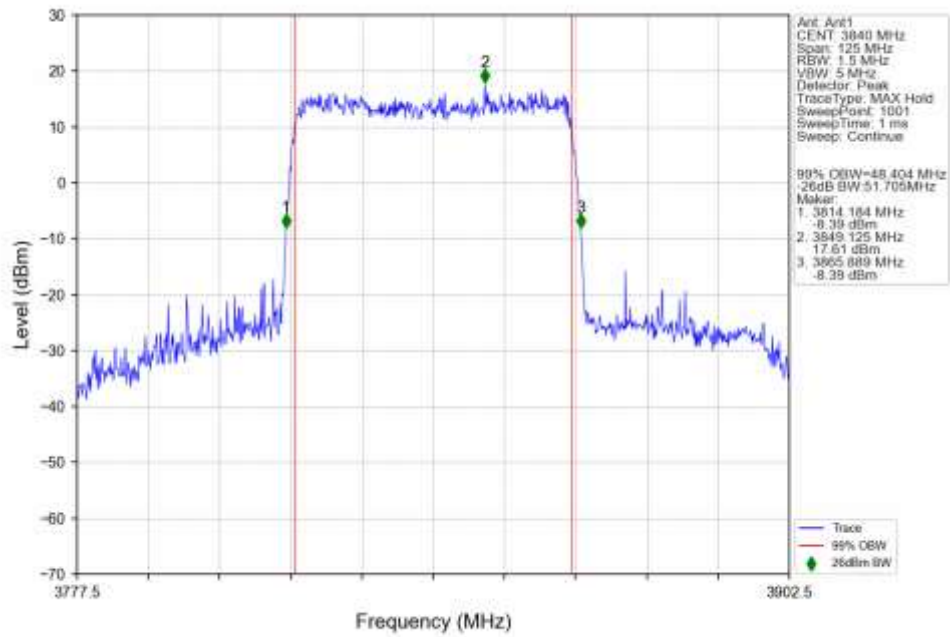
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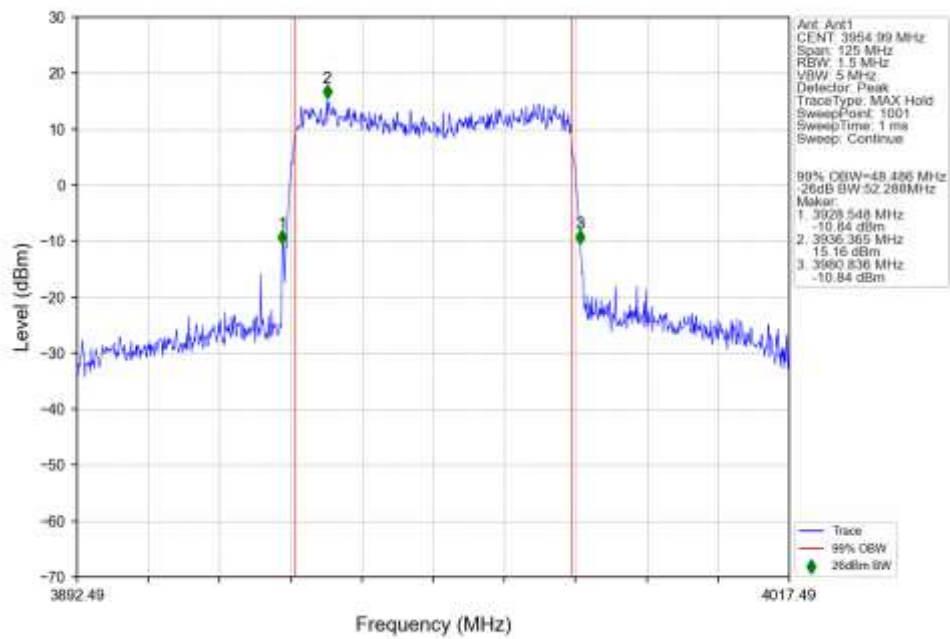
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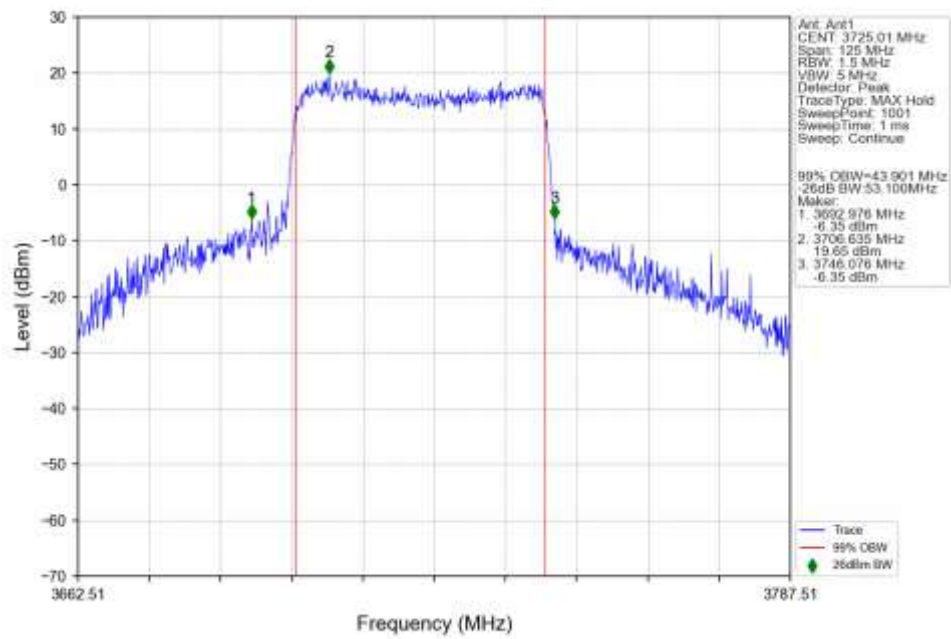
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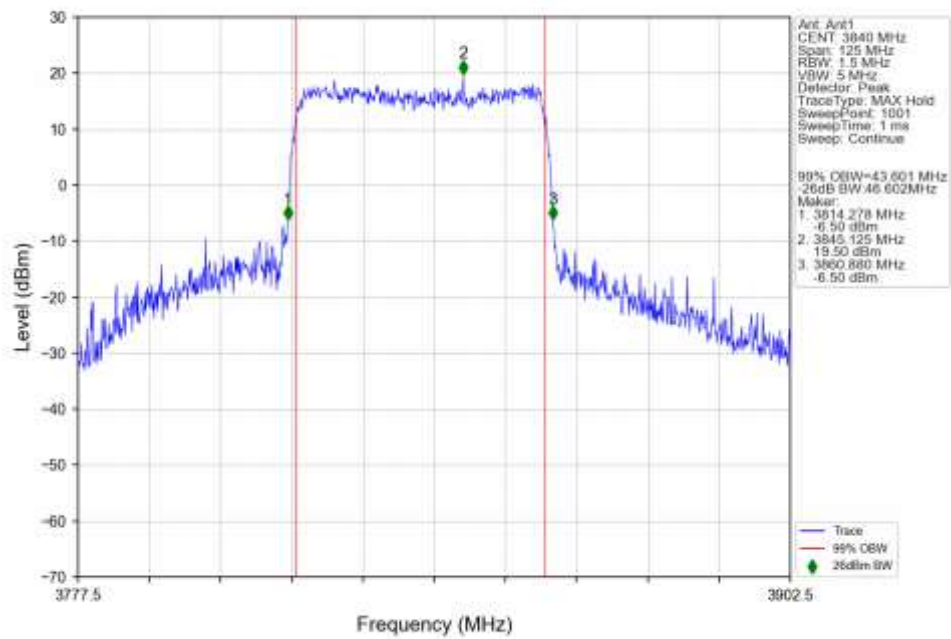
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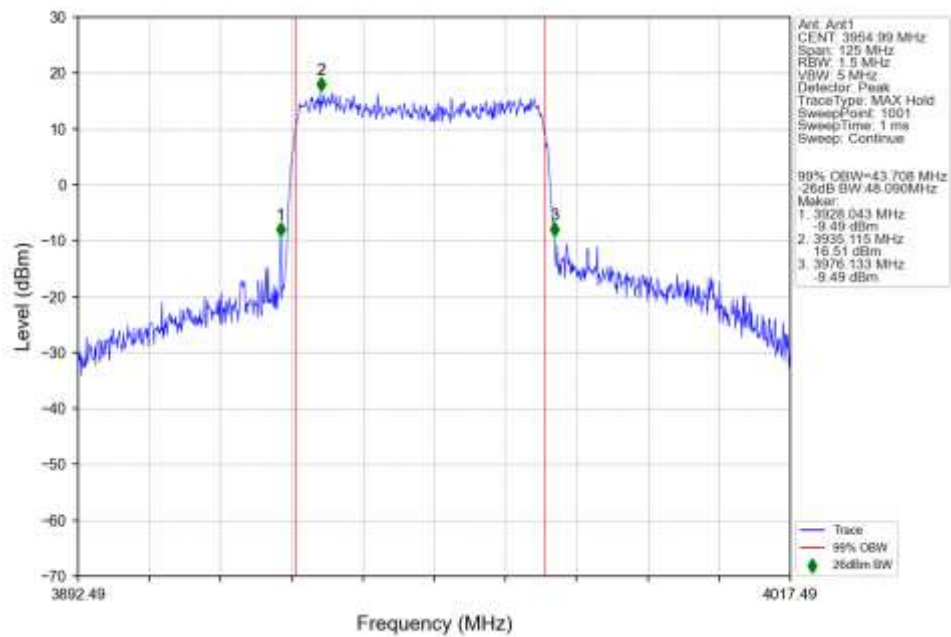
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n77a_15kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3840MHz_Outer_Full_Ant1



n77a_15kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3954.99MHz_Outer_Full_Ant1



n77a_15kHz_SISO_NTNV_50MHz_CP-OFDM_16_QAM_3725.01MHz_Outer_Full_Ant1

