

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 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 PI/2 BPSK	3705	Edge 1RB Left	21.34	/	/	20.94	/	/	<=30	Pass
		Edge 1RB Right	21.44	/	/	21.04	/	/	<=30	Pass
		Outer Full	24.33	/	/	23.93	/	/	<=30	Pass
		Inner Full	24.94	/	/	24.54	/	/	<=30	Pass
		Inner 1RB Left	24.83	/	/	24.43	/	/	<=30	Pass
		Inner 1RB Right	24.93	/	/	24.53	/	/	<=30	Pass
	3840	Edge 1RB Left	21.31	/	/	20.91	/	/	<=30	Pass
		Edge 1RB Right	21.58	/	/	21.18	/	/	<=30	Pass
		Outer Full	24.48	/	/	24.08	/	/	<=30	Pass
		Inner Full	24.84	/	/	24.44	/	/	<=30	Pass
		Inner 1RB Left	24.90	/	/	24.50	/	/	<=30	Pass
		Inner 1RB Right	24.89	/	/	24.49	/	/	<=30	Pass
	3975	Edge 1RB Left	21.15	/	/	20.75	/	/	<=30	Pass
		Edge 1RB Right	21.25	/	/	20.85	/	/	<=30	Pass
		Outer Full	24.31	/	/	23.91	/	/	<=30	Pass
		Inner Full	24.74	/	/	24.34	/	/	<=30	Pass
		Inner 1RB Left	24.77	/	/	24.37	/	/	<=30	Pass
		Inner 1RB Right	24.71	/	/	24.31	/	/	<=30	Pass
DFT-s-OFDM QPSK	3705	Edge 1RB Left	21.42	/	/	21.02	/	/	<=30	Pass
		Edge 1RB Right	21.38	/	/	20.98	/	/	<=30	Pass
		Outer Full	23.96	/	/	23.56	/	/	<=30	Pass
		Inner Full	24.89	/	/	24.49	/	/	<=30	Pass
		Inner 1RB Left	24.93	/	/	24.53	/	/	<=30	Pass
		Inner 1RB Right	25.12	/	/	24.72	/	/	<=30	Pass
	3840	Edge 1RB Left	21.32	/	/	20.92	/	/	<=30	Pass
		Edge 1RB Right	21.44	/	/	21.04	/	/	<=30	Pass
		Outer Full	23.87	/	/	23.47	/	/	<=30	Pass
		Inner Full	24.92	/	/	24.52	/	/	<=30	Pass
		Inner 1RB Left	24.69	/	/	24.29	/	/	<=30	Pass
		Inner 1RB Right	25.14	/	/	24.74	/	/	<=30	Pass
	3975	Edge 1RB Left	21.18	/	/	20.78	/	/	<=30	Pass
		Edge 1RB Right	21.20	/	/	20.80	/	/	<=30	Pass
		Outer Full	23.76	/	/	23.36	/	/	<=30	Pass
		Inner Full	24.77	/	/	24.37	/	/	<=30	Pass
		Inner 1RB Left	24.90	/	/	24.50	/	/	<=30	Pass
		Inner 1RB Right	24.90	/	/	24.50	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3705	Edge 1RB Left	21.32	/	/	20.92	/	/	<=30	Pass
		Edge 1RB Right	21.36	/	/	20.96	/	/	<=30	Pass
		Outer Full	22.73	/	/	22.33	/	/	<=30	Pass
		Inner Full	23.89	/	/	23.49	/	/	<=30	Pass
		Inner 1RB Left	23.87	/	/	23.47	/	/	<=30	Pass
		Inner 1RB Right	23.95	/	/	23.55	/	/	<=30	Pass
	3840	Edge 1RB Left	21.27	/	/	20.87	/	/	<=30	Pass
		Edge 1RB Right	21.45	/	/	21.05	/	/	<=30	Pass
		Outer Full	22.99	/	/	22.59	/	/	<=30	Pass
		Inner Full	23.87	/	/	23.47	/	/	<=30	Pass
		Inner 1RB Left	23.95	/	/	23.55	/	/	<=30	Pass
		Inner 1RB Right	23.90	/	/	23.50	/	/	<=30	Pass
	3975	Edge 1RB Left	21.16	/	/	20.76	/	/	<=30	Pass

		Edge_1RB_Right	21.16	/	/	20.76	/	/	<=30	Pass
		Outer_Full	22.73	/	/	22.33	/	/	<=30	Pass
		Inner_Full	23.69	/	/	23.29	/	/	<=30	Pass
		Inner_1RB_Left	23.74	/	/	23.34	/	/	<=30	Pass
		Inner_1RB_Right	23.73	/	/	23.33	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3705	Edge_1RB_Left	21.18	/	/	20.78	/	/	<=30	Pass
		Edge_1RB_Right	21.27	/	/	20.87	/	/	<=30	Pass
		Outer_Full	22.42	/	/	22.02	/	/	<=30	Pass
		Inner_Full	22.46	/	/	22.06	/	/	<=30	Pass
		Inner_1RB_Left	22.13	/	/	21.73	/	/	<=30	Pass
	3840	Inner_1RB_Right	22.20	/	/	21.80	/	/	<=30	Pass
		Edge_1RB_Left	21.13	/	/	20.73	/	/	<=30	Pass
		Edge_1RB_Right	21.33	/	/	20.93	/	/	<=30	Pass
		Outer_Full	22.38	/	/	21.98	/	/	<=30	Pass
		Inner_Full	22.47	/	/	22.07	/	/	<=30	Pass
	3975	Inner_1RB_Left	22.18	/	/	21.78	/	/	<=30	Pass
		Inner_1RB_Right	22.21	/	/	21.81	/	/	<=30	Pass
		Edge_1RB_Left	20.95	/	/	20.55	/	/	<=30	Pass
		Edge_1RB_Right	21.04	/	/	20.64	/	/	<=30	Pass
		Outer_Full	22.31	/	/	21.91	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3705	Inner_Full	22.23	/	/	21.83	/	/	<=30	Pass
		Inner_1RB_Left	22.10	/	/	21.70	/	/	<=30	Pass
		Inner_1RB_Right	22.05	/	/	21.65	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.44	/	/	20.04	/	/	<=30	Pass
		Edge_1RB_Right	20.46	/	/	20.06	/	/	<=30	Pass
		Outer_Full	20.41	/	/	20.01	/	/	<=30	Pass
		Inner_Full	20.25	/	/	19.85	/	/	<=30	Pass
		Inner_1RB_Left	20.43	/	/	20.03	/	/	<=30	Pass
	3975	Inner_1RB_Right	20.55	/	/	20.15	/	/	<=30	Pass
		Edge_1RB_Left	20.43	/	/	20.03	/	/	<=30	Pass
		Edge_1RB_Right	20.42	/	/	20.02	/	/	<=30	Pass
		Outer_Full	20.36	/	/	19.96	/	/	<=30	Pass
		Inner_Full	20.38	/	/	19.98	/	/	<=30	Pass
CP-OFDM QPSK	3705	Inner_1RB_Left	20.40	/	/	20.00	/	/	<=30	Pass
		Inner_1RB_Right	20.54	/	/	20.14	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.24	/	/	19.84	/	/	<=30	Pass
		Edge_1RB_Right	20.27	/	/	19.87	/	/	<=30	Pass
		Outer_Full	20.19	/	/	19.79	/	/	<=30	Pass
	3975	Inner_Full	20.13	/	/	19.73	/	/	<=30	Pass
		Inner_1RB_Left	20.22	/	/	19.82	/	/	<=30	Pass
		Inner_1RB_Right	20.37	/	/	19.97	/	/	<=30	Pass
	3705	Edge_1RB_Left	21.30	/	/	20.90	/	/	<=30	Pass
		Edge_1RB_Right	21.45	/	/	21.05	/	/	<=30	Pass
		Outer_Full	21.85	/	/	21.45	/	/	<=30	Pass
		Inner_Full	23.52	/	/	23.12	/	/	<=30	Pass
		Inner_1RB_Left	23.09	/	/	22.69	/	/	<=30	Pass
	3840	Inner_1RB_Right	23.14	/	/	22.74	/	/	<=30	Pass
		Edge_1RB_Left	21.25	/	/	20.85	/	/	<=30	Pass
		Edge_1RB_Right	21.47	/	/	21.07	/	/	<=30	Pass
		Outer_Full	21.89	/	/	21.49	/	/	<=30	Pass
		Inner_Full	23.42	/	/	23.02	/	/	<=30	Pass
	3975	Inner_1RB_Left	23.17	/	/	22.77	/	/	<=30	Pass
		Inner_1RB_Right	23.27	/	/	22.87	/	/	<=30	Pass
		Edge_1RB_Left	21.15	/	/	20.75	/	/	<=30	Pass
		Edge_1RB_Right	21.31	/	/	20.91	/	/	<=30	Pass
		Outer_Full	21.66	/	/	21.26	/	/	<=30	Pass
		Inner_Full	23.18	/	/	22.78	/	/	<=30	Pass
		Inner_1RB_Left	23.08	/	/	22.68	/	/	<=30	Pass
		Inner_1RB_Right	23.06	/	/	22.66	/	/	<=30	Pass

CP-OFDM 16 QAM	3705	Edge_1RB_Left	21.32	/	/	20.92	/	/	<=30	Pass
		Edge_1RB_Right	21.41	/	/	21.01	/	/	<=30	Pass
		Outer_Full	21.86	/	/	21.46	/	/	<=30	Pass
		Inner_Full	22.75	/	/	22.35	/	/	<=30	Pass
		Inner_1RB_Left	22.79	/	/	22.39	/	/	<=30	Pass
		Inner_1RB_Right	22.88	/	/	22.48	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.37	/	/	20.97	/	/	<=30	Pass
		Edge_1RB_Right	21.47	/	/	21.07	/	/	<=30	Pass
		Outer_Full	21.92	/	/	21.52	/	/	<=30	Pass
		Inner_Full	22.73	/	/	22.33	/	/	<=30	Pass
		Inner_1RB_Left	22.99	/	/	22.59	/	/	<=30	Pass
		Inner_1RB_Right	22.93	/	/	22.53	/	/	<=30	Pass
	3975	Edge_1RB_Left	21.10	/	/	20.70	/	/	<=30	Pass
		Edge_1RB_Right	21.21	/	/	20.81	/	/	<=30	Pass
		Outer_Full	21.85	/	/	21.45	/	/	<=30	Pass
		Inner_Full	22.62	/	/	22.22	/	/	<=30	Pass
		Inner_1RB_Left	22.68	/	/	22.28	/	/	<=30	Pass
		Inner_1RB_Right	22.63	/	/	22.23	/	/	<=30	Pass
CP-OFDM 64 QAM	3705	Edge_1RB_Left	21.12	/	/	20.72	/	/	<=30	Pass
		Edge_1RB_Right	21.25	/	/	20.85	/	/	<=30	Pass
		Outer_Full	21.28	/	/	20.88	/	/	<=30	Pass
		Inner_Full	21.37	/	/	20.97	/	/	<=30	Pass
		Inner_1RB_Left	21.05	/	/	20.65	/	/	<=30	Pass
		Inner_1RB_Right	21.27	/	/	20.87	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.15	/	/	20.75	/	/	<=30	Pass
		Edge_1RB_Right	21.31	/	/	20.91	/	/	<=30	Pass
		Outer_Full	21.36	/	/	20.96	/	/	<=30	Pass
		Inner_Full	21.35	/	/	20.95	/	/	<=30	Pass
		Inner_1RB_Left	21.05	/	/	20.65	/	/	<=30	Pass
		Inner_1RB_Right	21.12	/	/	20.72	/	/	<=30	Pass
	3975	Edge_1RB_Left	21.15	/	/	20.75	/	/	<=30	Pass
		Edge_1RB_Right	21.20	/	/	20.80	/	/	<=30	Pass
		Outer_Full	21.22	/	/	20.82	/	/	<=30	Pass
		Inner_Full	21.17	/	/	20.77	/	/	<=30	Pass
		Inner_1RB_Left	21.06	/	/	20.66	/	/	<=30	Pass
		Inner_1RB_Right	21.01	/	/	20.61	/	/	<=30	Pass
CP-OFDM 256 QAM	3705	Edge_1RB_Left	18.37	/	/	17.97	/	/	<=30	Pass
		Edge_1RB_Right	18.51	/	/	18.11	/	/	<=30	Pass
		Outer_Full	18.28	/	/	17.88	/	/	<=30	Pass
		Inner_Full	18.24	/	/	17.84	/	/	<=30	Pass
		Inner_1RB_Left	18.32	/	/	17.92	/	/	<=30	Pass
		Inner_1RB_Right	18.50	/	/	18.10	/	/	<=30	Pass
	3840	Edge_1RB_Left	18.37	/	/	17.97	/	/	<=30	Pass
		Edge_1RB_Right	18.51	/	/	18.11	/	/	<=30	Pass
		Outer_Full	18.22	/	/	17.82	/	/	<=30	Pass
		Inner_Full	18.35	/	/	17.95	/	/	<=30	Pass
		Inner_1RB_Left	18.35	/	/	17.95	/	/	<=30	Pass
		Inner_1RB_Right	18.42	/	/	18.02	/	/	<=30	Pass
	3975	Edge_1RB_Left	18.31	/	/	17.91	/	/	<=30	Pass
		Edge_1RB_Right	18.24	/	/	17.84	/	/	<=30	Pass
		Outer_Full	18.05	/	/	17.65	/	/	<=30	Pass
		Inner_Full	18.05	/	/	17.65	/	/	<=30	Pass
		Inner_1RB_Left	18.32	/	/	17.92	/	/	<=30	Pass
		Inner_1RB_Right	18.27	/	/	17.87	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: -0.40dBi;										
Note2: EIRP=Conducted Power+Antenna Gain										

1.1.2 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 PI/2 BPSK	3707.52	Edge 1RB Left	21.43	/	/	21.03	/	/	<=30	Pass
		Edge 1RB Right	21.46	/	/	21.06	/	/	<=30	Pass
		Outer Full	24.35	/	/	23.95	/	/	<=30	Pass
		Inner Full	24.99	/	/	24.59	/	/	<=30	Pass
		Inner 1RB Left	24.80	/	/	24.40	/	/	<=30	Pass
		Inner 1RB Right	24.89	/	/	24.49	/	/	<=30	Pass
	3840	Edge 1RB Left	21.36	/	/	20.96	/	/	<=30	Pass
		Edge 1RB Right	21.32	/	/	20.92	/	/	<=30	Pass
		Outer Full	24.32	/	/	23.92	/	/	<=30	Pass
		Inner Full	24.85	/	/	24.45	/	/	<=30	Pass
		Inner 1RB Left	24.84	/	/	24.44	/	/	<=30	Pass
		Inner 1RB Right	24.93	/	/	24.53	/	/	<=30	Pass
	3972.48	Edge 1RB Left	21.39	/	/	20.99	/	/	<=30	Pass
		Edge 1RB Right	21.21	/	/	20.81	/	/	<=30	Pass
		Outer Full	24.44	/	/	24.04	/	/	<=30	Pass
		Inner Full	24.74	/	/	24.34	/	/	<=30	Pass
		Inner 1RB Left	24.85	/	/	24.45	/	/	<=30	Pass
		Inner 1RB Right	24.73	/	/	24.33	/	/	<=30	Pass
DFT-s-OFDM QPSK	3707.52	Edge 1RB Left	21.38	/	/	20.98	/	/	<=30	Pass
		Edge 1RB Right	21.50	/	/	21.10	/	/	<=30	Pass
		Outer Full	24.01	/	/	23.61	/	/	<=30	Pass
		Inner Full	24.97	/	/	24.57	/	/	<=30	Pass
		Inner 1RB Left	25.01	/	/	24.61	/	/	<=30	Pass
		Inner 1RB Right	25.11	/	/	24.71	/	/	<=30	Pass
	3840	Edge 1RB Left	21.38	/	/	20.98	/	/	<=30	Pass
		Edge 1RB Right	21.51	/	/	21.11	/	/	<=30	Pass
		Outer Full	24.00	/	/	23.60	/	/	<=30	Pass
		Inner Full	24.79	/	/	24.39	/	/	<=30	Pass
		Inner 1RB Left	24.92	/	/	24.52	/	/	<=30	Pass
		Inner 1RB Right	25.10	/	/	24.70	/	/	<=30	Pass
	3972.48	Edge 1RB Left	21.46	/	/	21.06	/	/	<=30	Pass
		Edge 1RB Right	21.36	/	/	20.96	/	/	<=30	Pass
		Outer Full	23.81	/	/	23.41	/	/	<=30	Pass
		Inner Full	24.81	/	/	24.41	/	/	<=30	Pass
		Inner 1RB Left	24.89	/	/	24.49	/	/	<=30	Pass
		Inner 1RB Right	24.76	/	/	24.36	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3707.52	Edge 1RB Left	21.28	/	/	20.88	/	/	<=30	Pass
		Edge 1RB Right	21.32	/	/	20.92	/	/	<=30	Pass
		Outer Full	22.96	/	/	22.56	/	/	<=30	Pass
		Inner Full	24.07	/	/	23.67	/	/	<=30	Pass
		Inner 1RB Left	23.86	/	/	23.46	/	/	<=30	Pass
		Inner 1RB Right	23.93	/	/	23.53	/	/	<=30	Pass
	3840	Edge 1RB Left	21.39	/	/	20.99	/	/	<=30	Pass
		Edge 1RB Right	21.25	/	/	20.85	/	/	<=30	Pass
		Outer Full	22.76	/	/	22.36	/	/	<=30	Pass
		Inner Full	24.05	/	/	23.65	/	/	<=30	Pass
		Inner 1RB Left	23.86	/	/	23.46	/	/	<=30	Pass
		Inner 1RB Right	23.95	/	/	23.55	/	/	<=30	Pass
	3972.48	Edge 1RB Left	21.24	/	/	20.84	/	/	<=30	Pass
		Edge 1RB Right	21.09	/	/	20.69	/	/	<=30	Pass
		Outer Full	22.72	/	/	22.32	/	/	<=30	Pass
		Inner Full	23.90	/	/	23.50	/	/	<=30	Pass
		Inner 1RB Left	23.78	/	/	23.38	/	/	<=30	Pass
		Inner 1RB Right	23.72	/	/	23.32	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3707.52	Edge 1RB Left	21.17	/	/	20.77	/	/	<=30	Pass
		Edge 1RB Right	21.24	/	/	20.84	/	/	<=30	Pass

		Outer_Full	22.36	/	/	21.96	/	/	<=30	Pass
		Inner_Full	22.49	/	/	22.09	/	/	<=30	Pass
		Inner_1RB_Left	22.23	/	/	21.83	/	/	<=30	Pass
		Inner_1RB_Right	22.30	/	/	21.90	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.23	/	/	20.83	/	/	<=30	Pass
		Edge_1RB_Right	21.34	/	/	20.94	/	/	<=30	Pass
		Outer_Full	22.38	/	/	21.98	/	/	<=30	Pass
		Inner_Full	22.44	/	/	22.04	/	/	<=30	Pass
	3972.48	Inner_1RB_Left	22.23	/	/	21.83	/	/	<=30	Pass
		Inner_1RB_Right	22.20	/	/	21.80	/	/	<=30	Pass
		Edge_1RB_Left	21.23	/	/	20.83	/	/	<=30	Pass
		Edge_1RB_Right	21.19	/	/	20.79	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3707.52	Outer_Full	22.42	/	/	22.02	/	/	<=30	Pass
		Inner_Full	22.43	/	/	22.03	/	/	<=30	Pass
		Inner_1RB_Left	22.11	/	/	21.71	/	/	<=30	Pass
		Inner_1RB_Right	22.18	/	/	21.78	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.43	/	/	20.03	/	/	<=30	Pass
		Edge_1RB_Right	20.39	/	/	19.99	/	/	<=30	Pass
		Outer_Full	20.38	/	/	19.98	/	/	<=30	Pass
		Inner_Full	20.46	/	/	20.06	/	/	<=30	Pass
	3972.48	Inner_1RB_Left	20.37	/	/	19.97	/	/	<=30	Pass
		Inner_1RB_Right	20.42	/	/	20.02	/	/	<=30	Pass
		Edge_1RB_Left	20.54	/	/	20.14	/	/	<=30	Pass
		Edge_1RB_Right	20.45	/	/	20.05	/	/	<=30	Pass
CP-OFDM QPSK	3707.52	Outer_Full	20.34	/	/	19.94	/	/	<=30	Pass
		Inner_Full	20.33	/	/	19.93	/	/	<=30	Pass
		Inner_1RB_Left	20.46	/	/	20.06	/	/	<=30	Pass
		Inner_1RB_Right	20.56	/	/	20.16	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.39	/	/	19.99	/	/	<=30	Pass
		Edge_1RB_Right	20.31	/	/	19.91	/	/	<=30	Pass
		Outer_Full	20.32	/	/	19.92	/	/	<=30	Pass
		Inner_Full	20.23	/	/	19.83	/	/	<=30	Pass
	3972.48	Inner_1RB_Left	20.41	/	/	20.01	/	/	<=30	Pass
		Inner_1RB_Right	20.23	/	/	19.83	/	/	<=30	Pass
		Edge_1RB_Left	21.34	/	/	20.94	/	/	<=30	Pass
		Edge_1RB_Right	21.25	/	/	20.85	/	/	<=30	Pass
CP-OFDM 16 QAM	3707.52	Outer_Full	21.93	/	/	21.53	/	/	<=30	Pass
		Inner_Full	23.47	/	/	23.07	/	/	<=30	Pass
		Inner_1RB_Left	23.24	/	/	22.84	/	/	<=30	Pass
		Inner_1RB_Right	23.17	/	/	22.77	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.55	/	/	21.15	/	/	<=30	Pass
		Edge_1RB_Right	21.42	/	/	21.02	/	/	<=30	Pass
		Outer_Full	21.87	/	/	21.47	/	/	<=30	Pass
		Inner_Full	23.54	/	/	23.14	/	/	<=30	Pass
	3972.48	Inner_1RB_Left	23.21	/	/	22.81	/	/	<=30	Pass
		Inner_1RB_Right	23.11	/	/	22.71	/	/	<=30	Pass
		Edge_1RB_Left	21.48	/	/	21.08	/	/	<=30	Pass
		Edge_1RB_Right	21.26	/	/	20.86	/	/	<=30	Pass
	3707.52	Outer_Full	21.78	/	/	21.38	/	/	<=30	Pass
		Inner_Full	23.34	/	/	22.94	/	/	<=30	Pass
		Inner_1RB_Left	23.18	/	/	22.78	/	/	<=30	Pass
		Inner_1RB_Right	23.04	/	/	22.64	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.25	/	/	20.85	/	/	<=30	Pass
		Edge_1RB_Right	21.39	/	/	20.99	/	/	<=30	Pass
		Outer_Full	21.90	/	/	21.50	/	/	<=30	Pass
		Inner_Full	22.86	/	/	22.46	/	/	<=30	Pass
	3840	Inner_1RB_Left	22.86	/	/	22.46	/	/	<=30	Pass
		Inner_1RB_Right	22.94	/	/	22.54	/	/	<=30	Pass
		Edge_1RB_Left	21.39	/	/	20.99	/	/	<=30	Pass

		Edge_1RB_Right	21.38	/	/	20.98	/	/	<=30	Pass
		Outer_Full	21.77	/	/	21.37	/	/	<=30	Pass
		Inner_Full	22.85	/	/	22.45	/	/	<=30	Pass
		Inner_1RB_Left	22.85	/	/	22.45	/	/	<=30	Pass
		Inner_1RB_Right	22.89	/	/	22.49	/	/	<=30	Pass
	3972.48	Edge_1RB_Left	21.37	/	/	20.97	/	/	<=30	Pass
		Edge_1RB_Right	21.30	/	/	20.90	/	/	<=30	Pass
		Outer_Full	21.85	/	/	21.45	/	/	<=30	Pass
		Inner_Full	22.78	/	/	22.38	/	/	<=30	Pass
		Inner_1RB_Left	22.84	/	/	22.44	/	/	<=30	Pass
	Inner_1RB_Right	22.78	/	/	22.38	/	/	<=30	Pass	
CP-OFDM 64 QAM	3707.52	Edge_1RB_Left	21.09	/	/	20.69	/	/	<=30	Pass
		Edge_1RB_Right	21.15	/	/	20.75	/	/	<=30	Pass
		Outer_Full	21.54	/	/	21.14	/	/	<=30	Pass
		Inner_Full	21.46	/	/	21.06	/	/	<=30	Pass
		Inner_1RB_Left	21.10	/	/	20.70	/	/	<=30	Pass
		Inner_1RB_Right	21.22	/	/	20.82	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.14	/	/	20.74	/	/	<=30	Pass
		Edge_1RB_Right	21.31	/	/	20.91	/	/	<=30	Pass
		Outer_Full	21.37	/	/	20.97	/	/	<=30	Pass
		Inner_Full	21.46	/	/	21.06	/	/	<=30	Pass
		Inner_1RB_Left	21.24	/	/	20.84	/	/	<=30	Pass
		Inner_1RB_Right	21.25	/	/	20.85	/	/	<=30	Pass
	3972.48	Edge_1RB_Left	21.15	/	/	20.75	/	/	<=30	Pass
		Edge_1RB_Right	21.11	/	/	20.71	/	/	<=30	Pass
		Outer_Full	21.45	/	/	21.05	/	/	<=30	Pass
		Inner_Full	21.35	/	/	20.95	/	/	<=30	Pass
		Inner_1RB_Left	21.20	/	/	20.80	/	/	<=30	Pass
		Inner_1RB_Right	21.11	/	/	20.71	/	/	<=30	Pass
CP-OFDM 256 QAM	3707.52	Edge_1RB_Left	18.29	/	/	17.89	/	/	<=30	Pass
		Edge_1RB_Right	18.44	/	/	18.04	/	/	<=30	Pass
		Outer_Full	18.25	/	/	17.85	/	/	<=30	Pass
		Inner_Full	18.14	/	/	17.74	/	/	<=30	Pass
		Inner_1RB_Left	18.29	/	/	17.89	/	/	<=30	Pass
		Inner_1RB_Right	18.39	/	/	17.99	/	/	<=30	Pass
	3840	Edge_1RB_Left	18.35	/	/	17.95	/	/	<=30	Pass
		Edge_1RB_Right	18.45	/	/	18.05	/	/	<=30	Pass
		Outer_Full	18.29	/	/	17.89	/	/	<=30	Pass
		Inner_Full	18.28	/	/	17.88	/	/	<=30	Pass
		Inner_1RB_Left	18.35	/	/	17.95	/	/	<=30	Pass
		Inner_1RB_Right	18.30	/	/	17.90	/	/	<=30	Pass
	3972.48	Edge_1RB_Left	18.25	/	/	17.85	/	/	<=30	Pass
		Edge_1RB_Right	18.37	/	/	17.97	/	/	<=30	Pass
		Outer_Full	18.21	/	/	17.81	/	/	<=30	Pass
Inner_Full		18.22	/	/	17.82	/	/	<=30	Pass	
Inner_1RB_Left		18.36	/	/	17.96	/	/	<=30	Pass	
	Inner_1RB_Right	18.17	/	/	17.77	/	/	<=30	Pass	
Note1: Antenna Gain: Ant1: -0.40dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.3 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 PI/2 BPSK	3710.01	Edge_1RB_Left	21.44	/	/	21.04	/	/	<=30	Pass
		Edge_1RB_Right	21.42	/	/	21.02	/	/	<=30	Pass
		Outer_Full	24.48	/	/	24.08	/	/	<=30	Pass

		Inner_Full	25.00	/	/	24.60	/	/	<=30	Pass
		Inner_1RB_Left	24.92	/	/	24.52	/	/	<=30	Pass
		Inner_1RB_Right	24.83	/	/	24.43	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.43	/	/	21.03	/	/	<=30	Pass
		Edge_1RB_Right	21.54	/	/	21.14	/	/	<=30	Pass
		Outer_Full	24.55	/	/	24.15	/	/	<=30	Pass
		Inner_Full	25.05	/	/	24.65	/	/	<=30	Pass
		Inner_1RB_Left	24.94	/	/	24.54	/	/	<=30	Pass
	3969.99	Inner_1RB_Right	24.97	/	/	24.57	/	/	<=30	Pass
		Edge_1RB_Left	21.30	/	/	20.90	/	/	<=30	Pass
		Edge_1RB_Right	21.24	/	/	20.84	/	/	<=30	Pass
		Outer_Full	24.30	/	/	23.90	/	/	<=30	Pass
		Inner_Full	24.92	/	/	24.52	/	/	<=30	Pass
DFT-s-OFDM QPSK	3710.01	Inner_1RB_Left	24.77	/	/	24.37	/	/	<=30	Pass
		Inner_1RB_Right	24.75	/	/	24.35	/	/	<=30	Pass
		Edge_1RB_Left	21.47	/	/	21.07	/	/	<=30	Pass
		Edge_1RB_Right	21.36	/	/	20.96	/	/	<=30	Pass
		Outer_Full	24.03	/	/	23.63	/	/	<=30	Pass
	3840	Inner_Full	24.95	/	/	24.55	/	/	<=30	Pass
		Inner_1RB_Left	25.15	/	/	24.75	/	/	<=30	Pass
		Inner_1RB_Right	25.05	/	/	24.65	/	/	<=30	Pass
		Edge_1RB_Left	21.45	/	/	21.05	/	/	<=30	Pass
		Edge_1RB_Right	21.42	/	/	21.02	/	/	<=30	Pass
	3969.99	Outer_Full	23.85	/	/	23.45	/	/	<=30	Pass
		Inner_Full	25.06	/	/	24.66	/	/	<=30	Pass
		Inner_1RB_Left	25.01	/	/	24.61	/	/	<=30	Pass
		Inner_1RB_Right	25.07	/	/	24.67	/	/	<=30	Pass
		Edge_1RB_Left	21.51	/	/	21.11	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3710.01	Edge_1RB_Right	21.33	/	/	20.93	/	/	<=30	Pass
		Outer_Full	23.01	/	/	22.61	/	/	<=30	Pass
		Inner_Full	24.11	/	/	23.71	/	/	<=30	Pass
		Inner_1RB_Left	23.86	/	/	23.46	/	/	<=30	Pass
		Inner_1RB_Right	23.80	/	/	23.40	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.27	/	/	20.87	/	/	<=30	Pass
		Edge_1RB_Right	21.40	/	/	21.00	/	/	<=30	Pass
		Outer_Full	23.05	/	/	22.65	/	/	<=30	Pass
		Inner_Full	24.02	/	/	23.62	/	/	<=30	Pass
		Inner_1RB_Left	23.91	/	/	23.51	/	/	<=30	Pass
	3969.99	Inner_1RB_Right	23.95	/	/	23.55	/	/	<=30	Pass
		Edge_1RB_Left	21.24	/	/	20.84	/	/	<=30	Pass
		Edge_1RB_Right	21.22	/	/	20.82	/	/	<=30	Pass
		Outer_Full	22.82	/	/	22.42	/	/	<=30	Pass
		Inner_Full	23.93	/	/	23.53	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3710.01	Inner_1RB_Left	23.72	/	/	23.32	/	/	<=30	Pass
		Inner_1RB_Right	23.77	/	/	23.37	/	/	<=30	Pass
		Edge_1RB_Left	21.25	/	/	20.85	/	/	<=30	Pass
		Edge_1RB_Right	21.37	/	/	20.97	/	/	<=30	Pass
		Outer_Full	22.38	/	/	21.98	/	/	<=30	Pass
	3840	Inner_Full	22.45	/	/	22.05	/	/	<=30	Pass
		Inner_1RB_Left	22.32	/	/	21.92	/	/	<=30	Pass
		Inner_1RB_Right	22.18	/	/	21.78	/	/	<=30	Pass
		Edge_1RB_Left	21.21	/	/	20.81	/	/	<=30	Pass
		Edge_1RB_Right	21.39	/	/	20.99	/	/	<=30	Pass

		Outer_Full	22.48	/	/	22.08	/	/	<=30	Pass
		Inner_Full	22.46	/	/	22.06	/	/	<=30	Pass
		Inner_1RB_Left	22.24	/	/	21.84	/	/	<=30	Pass
		Inner_1RB_Right	22.21	/	/	21.81	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	21.37	/	/	20.97	/	/	<=30	Pass
		Edge_1RB_Right	21.12	/	/	20.72	/	/	<=30	Pass
		Outer_Full	22.33	/	/	21.93	/	/	<=30	Pass
		Inner_Full	22.37	/	/	21.97	/	/	<=30	Pass
		Inner_1RB_Left	22.15	/	/	21.75	/	/	<=30	Pass
		Inner_1RB_Right	22.17	/	/	21.77	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3710.01	Edge_1RB_Left	20.42	/	/	20.02	/	/	<=30	Pass
		Edge_1RB_Right	20.46	/	/	20.06	/	/	<=30	Pass
		Outer_Full	20.53	/	/	20.13	/	/	<=30	Pass
		Inner_Full	20.41	/	/	20.01	/	/	<=30	Pass
		Inner_1RB_Left	20.52	/	/	20.12	/	/	<=30	Pass
		Inner_1RB_Right	20.43	/	/	20.03	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.38	/	/	19.98	/	/	<=30	Pass
		Edge_1RB_Right	20.42	/	/	20.02	/	/	<=30	Pass
		Outer_Full	20.49	/	/	20.09	/	/	<=30	Pass
		Inner_Full	20.29	/	/	19.89	/	/	<=30	Pass
		Inner_1RB_Left	20.41	/	/	20.01	/	/	<=30	Pass
		Inner_1RB_Right	20.45	/	/	20.05	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	20.51	/	/	20.11	/	/	<=30	Pass
		Edge_1RB_Right	20.28	/	/	19.88	/	/	<=30	Pass
		Outer_Full	20.35	/	/	19.95	/	/	<=30	Pass
		Inner_Full	20.41	/	/	20.01	/	/	<=30	Pass
		Inner_1RB_Left	20.54	/	/	20.14	/	/	<=30	Pass
		Inner_1RB_Right	20.34	/	/	19.94	/	/	<=30	Pass
CP-OFDM QPSK	3710.01	Edge_1RB_Left	21.38	/	/	20.98	/	/	<=30	Pass
		Edge_1RB_Right	21.44	/	/	21.04	/	/	<=30	Pass
		Outer_Full	22.01	/	/	21.61	/	/	<=30	Pass
		Inner_Full	23.53	/	/	23.13	/	/	<=30	Pass
		Inner_1RB_Left	23.21	/	/	22.81	/	/	<=30	Pass
		Inner_1RB_Right	23.21	/	/	22.81	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.23	/	/	20.83	/	/	<=30	Pass
		Edge_1RB_Right	21.36	/	/	20.96	/	/	<=30	Pass
		Outer_Full	21.97	/	/	21.57	/	/	<=30	Pass
		Inner_Full	23.46	/	/	23.06	/	/	<=30	Pass
		Inner_1RB_Left	23.31	/	/	22.91	/	/	<=30	Pass
		Inner_1RB_Right	23.18	/	/	22.78	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	21.29	/	/	20.89	/	/	<=30	Pass
		Edge_1RB_Right	21.40	/	/	21.00	/	/	<=30	Pass
		Outer_Full	21.89	/	/	21.49	/	/	<=30	Pass
		Inner_Full	23.32	/	/	22.92	/	/	<=30	Pass
		Inner_1RB_Left	23.23	/	/	22.83	/	/	<=30	Pass
		Inner_1RB_Right	23.13	/	/	22.73	/	/	<=30	Pass
CP-OFDM 16 QAM	3710.01	Edge_1RB_Left	21.47	/	/	21.07	/	/	<=30	Pass
		Edge_1RB_Right	21.34	/	/	20.94	/	/	<=30	Pass
		Outer_Full	22.07	/	/	21.67	/	/	<=30	Pass
		Inner_Full	23.02	/	/	22.62	/	/	<=30	Pass
		Inner_1RB_Left	22.98	/	/	22.58	/	/	<=30	Pass
		Inner_1RB_Right	22.99	/	/	22.59	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.48	/	/	21.08	/	/	<=30	Pass
		Edge_1RB_Right	21.42	/	/	21.02	/	/	<=30	Pass
		Outer_Full	21.97	/	/	21.57	/	/	<=30	Pass
		Inner_Full	22.81	/	/	22.41	/	/	<=30	Pass
		Inner_1RB_Left	22.95	/	/	22.55	/	/	<=30	Pass
		Inner_1RB_Right	22.88	/	/	22.48	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	21.24	/	/	20.84	/	/	<=30	Pass

		Edge_1RB_Right	21.24	/	/	20.84	/	/	<=30	Pass	
		Outer_Full	21.94	/	/	21.54	/	/	<=30	Pass	
		Inner_Full	22.86	/	/	22.46	/	/	<=30	Pass	
		Inner_1RB_Left	22.85	/	/	22.45	/	/	<=30	Pass	
		Inner_1RB_Right	22.81	/	/	22.41	/	/	<=30	Pass	
CP-OFDM 64 QAM	3710.01	Edge_1RB_Left	21.16	/	/	20.76	/	/	<=30	Pass	
		Edge_1RB_Right	21.06	/	/	20.66	/	/	<=30	Pass	
		Outer_Full	21.50	/	/	21.10	/	/	<=30	Pass	
		Inner_Full	21.50	/	/	21.10	/	/	<=30	Pass	
		Inner_1RB_Left	21.20	/	/	20.80	/	/	<=30	Pass	
	3840	Inner_1RB_Right	21.07	/	/	20.67	/	/	<=30	Pass	
		Edge_1RB_Left	21.14	/	/	20.74	/	/	<=30	Pass	
		Edge_1RB_Right	21.18	/	/	20.78	/	/	<=30	Pass	
		Outer_Full	21.40	/	/	21.00	/	/	<=30	Pass	
		Inner_Full	21.39	/	/	20.99	/	/	<=30	Pass	
	3969.99	Inner_1RB_Left	21.23	/	/	20.83	/	/	<=30	Pass	
		Inner_1RB_Right	21.30	/	/	20.90	/	/	<=30	Pass	
		Edge_1RB_Left	21.09	/	/	20.69	/	/	<=30	Pass	
		Edge_1RB_Right	21.11	/	/	20.71	/	/	<=30	Pass	
		Outer_Full	21.54	/	/	21.14	/	/	<=30	Pass	
CP-OFDM 256 QAM	3710.01	Inner_Full	21.33	/	/	20.93	/	/	<=30	Pass	
		Inner_1RB_Left	21.07	/	/	20.67	/	/	<=30	Pass	
		Inner_1RB_Right	21.09	/	/	20.69	/	/	<=30	Pass	
		Edge_1RB_Left	18.39	/	/	17.99	/	/	<=30	Pass	
		Edge_1RB_Right	18.37	/	/	17.97	/	/	<=30	Pass	
	3840	Outer_Full	18.40	/	/	18.00	/	/	<=30	Pass	
		Inner_Full	18.43	/	/	18.03	/	/	<=30	Pass	
		Inner_1RB_Left	18.36	/	/	17.96	/	/	<=30	Pass	
		Inner_1RB_Right	18.33	/	/	17.93	/	/	<=30	Pass	
		Edge_1RB_Left	18.33	/	/	17.93	/	/	<=30	Pass	
	3969.99	Edge_1RB_Right	18.36	/	/	17.96	/	/	<=30	Pass	
		Outer_Full	18.36	/	/	17.96	/	/	<=30	Pass	
		Inner_Full	18.32	/	/	17.92	/	/	<=30	Pass	
		Inner_1RB_Left	18.50	/	/	18.10	/	/	<=30	Pass	
		Inner_1RB_Right	18.54	/	/	18.14	/	/	<=30	Pass	
			Edge_1RB_Left	18.38	/	/	17.98	/	/	<=30	Pass
			Edge_1RB_Right	18.26	/	/	17.86	/	/	<=30	Pass
Outer_Full			18.36	/	/	17.96	/	/	<=30	Pass	
Inner_Full			18.37	/	/	17.97	/	/	<=30	Pass	
Inner_1RB_Left			18.43	/	/	18.03	/	/	<=30	Pass	
		Inner_1RB_Right	18.34	/	/	17.94	/	/	<=30	Pass	
		Note1: Antenna Gain: Ant1: -0.40dBi; Note2: EIRP=Conducted Power+Antenna Gain									

1.1.4 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 PI/2 BPSK	3720	Edge_1RB_Left	21.39	/	/	20.99	/	/	<=30	Pass
		Edge_1RB_Right	21.66	/	/	21.26	/	/	<=30	Pass
		Outer_Full	24.59	/	/	24.19	/	/	<=30	Pass
		Inner_Full	24.99	/	/	24.59	/	/	<=30	Pass
		Inner_1RB_Left	24.90	/	/	24.50	/	/	<=30	Pass
	3840	Inner_1RB_Right	25.05	/	/	24.65	/	/	<=30	Pass
		Edge_1RB_Left	21.44	/	/	21.04	/	/	<=30	Pass
		Edge_1RB_Right	21.62	/	/	21.22	/	/	<=30	Pass
		Outer_Full	24.65	/	/	24.25	/	/	<=30	Pass

		Inner_Full	25.02	/	/	24.62	/	/	<=30	Pass
		Inner_1RB_Left	24.90	/	/	24.50	/	/	<=30	Pass
		Inner_1RB_Right	25.03	/	/	24.63	/	/	<=30	Pass
	3960	Edge_1RB_Left	21.43	/	/	21.03	/	/	<=30	Pass
		Edge_1RB_Right	21.30	/	/	20.90	/	/	<=30	Pass
		Outer_Full	24.54	/	/	24.14	/	/	<=30	Pass
		Inner_Full	24.93	/	/	24.53	/	/	<=30	Pass
		Inner_1RB_Left	24.93	/	/	24.53	/	/	<=30	Pass
		Inner_1RB_Right	24.83	/	/	24.43	/	/	<=30	Pass
DFT-s-OFDM QPSK	3720	Edge_1RB_Left	21.38	/	/	20.98	/	/	<=30	Pass
		Edge_1RB_Right	21.67	/	/	21.27	/	/	<=30	Pass
		Outer_Full	24.07	/	/	23.67	/	/	<=30	Pass
		Inner_Full	24.97	/	/	24.57	/	/	<=30	Pass
		Inner_1RB_Left	25.21	/	/	24.81	/	/	<=30	Pass
		Inner_1RB_Right	25.34	/	/	24.94	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.53	/	/	21.13	/	/	<=30	Pass
		Edge_1RB_Right	21.64	/	/	21.24	/	/	<=30	Pass
		Outer_Full	24.03	/	/	23.63	/	/	<=30	Pass
		Inner_Full	25.13	/	/	24.73	/	/	<=30	Pass
		Inner_1RB_Left	25.04	/	/	24.64	/	/	<=30	Pass
		Inner_1RB_Right	25.22	/	/	24.82	/	/	<=30	Pass
	3960	Edge_1RB_Left	21.50	/	/	21.10	/	/	<=30	Pass
		Edge_1RB_Right	21.42	/	/	21.02	/	/	<=30	Pass
		Outer_Full	23.95	/	/	23.55	/	/	<=30	Pass
		Inner_Full	24.96	/	/	24.56	/	/	<=30	Pass
		Inner_1RB_Left	25.10	/	/	24.70	/	/	<=30	Pass
		Inner_1RB_Right	24.95	/	/	24.55	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3720	Edge_1RB_Left	21.39	/	/	20.99	/	/	<=30	Pass
		Edge_1RB_Right	21.60	/	/	21.20	/	/	<=30	Pass
		Outer_Full	22.97	/	/	22.57	/	/	<=30	Pass
		Inner_Full	24.01	/	/	23.61	/	/	<=30	Pass
		Inner_1RB_Left	23.95	/	/	23.55	/	/	<=30	Pass
		Inner_1RB_Right	24.10	/	/	23.70	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.33	/	/	20.93	/	/	<=30	Pass
		Edge_1RB_Right	21.47	/	/	21.07	/	/	<=30	Pass
		Outer_Full	22.98	/	/	22.58	/	/	<=30	Pass
		Inner_Full	24.06	/	/	23.66	/	/	<=30	Pass
		Inner_1RB_Left	24.01	/	/	23.61	/	/	<=30	Pass
		Inner_1RB_Right	23.90	/	/	23.50	/	/	<=30	Pass
	3960	Edge_1RB_Left	21.30	/	/	20.90	/	/	<=30	Pass
		Edge_1RB_Right	21.30	/	/	20.90	/	/	<=30	Pass
		Outer_Full	22.96	/	/	22.56	/	/	<=30	Pass
		Inner_Full	24.01	/	/	23.61	/	/	<=30	Pass
		Inner_1RB_Left	23.75	/	/	23.35	/	/	<=30	Pass
		Inner_1RB_Right	23.79	/	/	23.39	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3720	Edge_1RB_Left	21.38	/	/	20.98	/	/	<=30	Pass
		Edge_1RB_Right	21.35	/	/	20.95	/	/	<=30	Pass
		Outer_Full	22.52	/	/	22.12	/	/	<=30	Pass
		Inner_Full	22.48	/	/	22.08	/	/	<=30	Pass
		Inner_1RB_Left	22.25	/	/	21.85	/	/	<=30	Pass
		Inner_1RB_Right	22.35	/	/	21.95	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.21	/	/	20.81	/	/	<=30	Pass
		Edge_1RB_Right	21.50	/	/	21.10	/	/	<=30	Pass
		Outer_Full	22.47	/	/	22.07	/	/	<=30	Pass
		Inner_Full	22.46	/	/	22.06	/	/	<=30	Pass
		Inner_1RB_Left	22.34	/	/	21.94	/	/	<=30	Pass
		Inner_1RB_Right	22.33	/	/	21.93	/	/	<=30	Pass
	3960	Edge_1RB_Left	21.33	/	/	20.93	/	/	<=30	Pass
		Edge_1RB_Right	21.23	/	/	20.83	/	/	<=30	Pass

		Outer_Full	22.53	/	/	22.13	/	/	<=30	Pass
		Inner_Full	22.54	/	/	22.14	/	/	<=30	Pass
		Inner_1RB_Left	22.32	/	/	21.92	/	/	<=30	Pass
		Inner_1RB_Right	22.18	/	/	21.78	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3720	Edge_1RB_Left	20.56	/	/	20.16	/	/	<=30	Pass
		Edge_1RB_Right	20.57	/	/	20.17	/	/	<=30	Pass
		Outer_Full	20.51	/	/	20.11	/	/	<=30	Pass
		Inner_Full	20.59	/	/	20.19	/	/	<=30	Pass
		Inner_1RB_Left	20.60	/	/	20.20	/	/	<=30	Pass
		Inner_1RB_Right	20.61	/	/	20.21	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.56	/	/	20.16	/	/	<=30	Pass
		Edge_1RB_Right	20.71	/	/	20.31	/	/	<=30	Pass
		Outer_Full	20.47	/	/	20.07	/	/	<=30	Pass
		Inner_Full	20.64	/	/	20.24	/	/	<=30	Pass
		Inner_1RB_Left	20.53	/	/	20.13	/	/	<=30	Pass
		Inner_1RB_Right	20.58	/	/	20.18	/	/	<=30	Pass
	3960	Edge_1RB_Left	20.53	/	/	20.13	/	/	<=30	Pass
		Edge_1RB_Right	20.50	/	/	20.10	/	/	<=30	Pass
		Outer_Full	20.39	/	/	19.99	/	/	<=30	Pass
		Inner_Full	20.57	/	/	20.17	/	/	<=30	Pass
		Inner_1RB_Left	20.45	/	/	20.05	/	/	<=30	Pass
		Inner_1RB_Right	20.47	/	/	20.07	/	/	<=30	Pass
CP-OFDM QPSK	3720	Edge_1RB_Left	21.47	/	/	21.07	/	/	<=30	Pass
		Edge_1RB_Right	21.59	/	/	21.19	/	/	<=30	Pass
		Outer_Full	22.00	/	/	21.60	/	/	<=30	Pass
		Inner_Full	23.51	/	/	23.11	/	/	<=30	Pass
		Inner_1RB_Left	23.22	/	/	22.82	/	/	<=30	Pass
		Inner_1RB_Right	23.37	/	/	22.97	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.42	/	/	21.02	/	/	<=30	Pass
		Edge_1RB_Right	21.44	/	/	21.04	/	/	<=30	Pass
		Outer_Full	22.09	/	/	21.69	/	/	<=30	Pass
		Inner_Full	23.55	/	/	23.15	/	/	<=30	Pass
		Inner_1RB_Left	23.26	/	/	22.86	/	/	<=30	Pass
		Inner_1RB_Right	23.32	/	/	22.92	/	/	<=30	Pass
	3960	Edge_1RB_Left	21.45	/	/	21.05	/	/	<=30	Pass
		Edge_1RB_Right	21.29	/	/	20.89	/	/	<=30	Pass
		Outer_Full	21.98	/	/	21.58	/	/	<=30	Pass
		Inner_Full	23.46	/	/	23.06	/	/	<=30	Pass
		Inner_1RB_Left	23.23	/	/	22.83	/	/	<=30	Pass
		Inner_1RB_Right	23.25	/	/	22.85	/	/	<=30	Pass
CP-OFDM 16 QAM	3720	Edge_1RB_Left	21.41	/	/	21.01	/	/	<=30	Pass
		Edge_1RB_Right	21.49	/	/	21.09	/	/	<=30	Pass
		Outer_Full	22.06	/	/	21.66	/	/	<=30	Pass
		Inner_Full	22.83	/	/	22.43	/	/	<=30	Pass
		Inner_1RB_Left	23.11	/	/	22.71	/	/	<=30	Pass
		Inner_1RB_Right	23.26	/	/	22.86	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.49	/	/	21.09	/	/	<=30	Pass
		Edge_1RB_Right	21.54	/	/	21.14	/	/	<=30	Pass
		Outer_Full	22.14	/	/	21.74	/	/	<=30	Pass
		Inner_Full	23.00	/	/	22.60	/	/	<=30	Pass
		Inner_1RB_Left	22.99	/	/	22.59	/	/	<=30	Pass
		Inner_1RB_Right	23.09	/	/	22.69	/	/	<=30	Pass
	3960	Edge_1RB_Left	21.42	/	/	21.02	/	/	<=30	Pass
		Edge_1RB_Right	21.27	/	/	20.87	/	/	<=30	Pass
		Outer_Full	21.96	/	/	21.56	/	/	<=30	Pass
		Inner_Full	22.96	/	/	22.56	/	/	<=30	Pass
		Inner_1RB_Left	23.01	/	/	22.61	/	/	<=30	Pass
		Inner_1RB_Right	22.87	/	/	22.47	/	/	<=30	Pass
CP-OFDM 64 QAM	3720	Edge_1RB_Left	21.11	/	/	20.71	/	/	<=30	Pass

		Edge_1RB_Right	21.37	/	/	20.97	/	/	<=30	Pass
		Outer_Full	21.51	/	/	21.11	/	/	<=30	Pass
		Inner_Full	21.59	/	/	21.19	/	/	<=30	Pass
		Inner_1RB_Left	21.22	/	/	20.82	/	/	<=30	Pass
		Inner_1RB_Right	21.23	/	/	20.83	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.10	/	/	20.70	/	/	<=30	Pass
		Edge_1RB_Right	21.30	/	/	20.90	/	/	<=30	Pass
		Outer_Full	21.49	/	/	21.09	/	/	<=30	Pass
		Inner_Full	21.60	/	/	21.20	/	/	<=30	Pass
		Inner_1RB_Left	21.15	/	/	20.75	/	/	<=30	Pass
	3960	Inner_1RB_Right	21.25	/	/	20.85	/	/	<=30	Pass
		Edge_1RB_Left	21.20	/	/	20.80	/	/	<=30	Pass
		Edge_1RB_Right	21.19	/	/	20.79	/	/	<=30	Pass
		Outer_Full	21.48	/	/	21.08	/	/	<=30	Pass
		Inner_Full	21.53	/	/	21.13	/	/	<=30	Pass
CP-OFDM 256 QAM	3720	Inner_1RB_Left	21.27	/	/	20.87	/	/	<=30	Pass
		Inner_1RB_Right	21.12	/	/	20.72	/	/	<=30	Pass
		Edge_1RB_Left	18.65	/	/	18.25	/	/	<=30	Pass
		Edge_1RB_Right	18.70	/	/	18.30	/	/	<=30	Pass
		Outer_Full	18.53	/	/	18.13	/	/	<=30	Pass
		Inner_Full	18.49	/	/	18.09	/	/	<=30	Pass
	3840	Inner_1RB_Left	18.49	/	/	18.09	/	/	<=30	Pass
		Inner_1RB_Right	18.65	/	/	18.25	/	/	<=30	Pass
		Edge_1RB_Left	18.52	/	/	18.12	/	/	<=30	Pass
		Edge_1RB_Right	18.60	/	/	18.20	/	/	<=30	Pass
		Outer_Full	18.67	/	/	18.27	/	/	<=30	Pass
		Inner_Full	18.62	/	/	18.22	/	/	<=30	Pass
	3960	Inner_1RB_Left	18.53	/	/	18.13	/	/	<=30	Pass
		Inner_1RB_Right	18.68	/	/	18.28	/	/	<=30	Pass
		Edge_1RB_Left	18.47	/	/	18.07	/	/	<=30	Pass
Edge_1RB_Right		18.40	/	/	18.00	/	/	<=30	Pass	
Outer_Full		18.53	/	/	18.13	/	/	<=30	Pass	
	Inner_Full	18.44	/	/	18.04	/	/	<=30	Pass	
	Inner_1RB_Left	18.47	/	/	18.07	/	/	<=30	Pass	
		Inner_1RB_Right	18.46	/	/	18.06	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: -0.40dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.5 30k_SISO_50MHz_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 50MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3725.01	Edge_1RB_Left	21.42	/	/	21.02	/	/	<=30	Pass
		Edge_1RB_Right	21.66	/	/	21.26	/	/	<=30	Pass
		Outer_Full	24.50	/	/	24.10	/	/	<=30	Pass
		Inner_Full	24.97	/	/	24.57	/	/	<=30	Pass
		Inner_1RB_Left	24.77	/	/	24.37	/	/	<=30	Pass
		Inner_1RB_Right	25.23	/	/	24.83	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.45	/	/	21.05	/	/	<=30	Pass
		Edge_1RB_Right	21.51	/	/	21.11	/	/	<=30	Pass
		Outer_Full	24.47	/	/	24.07	/	/	<=30	Pass
		Inner_Full	25.13	/	/	24.73	/	/	<=30	Pass
		Inner_1RB_Left	24.90	/	/	24.50	/	/	<=30	Pass
		Inner_1RB_Right	24.91	/	/	24.51	/	/	<=30	Pass
	3954.99	Edge_1RB_Left	21.58	/	/	21.18	/	/	<=30	Pass
		Edge_1RB_Right	21.25	/	/	20.85	/	/	<=30	Pass
		Outer_Full	24.58	/	/	24.18	/	/	<=30	Pass

		Inner_Full	25.01	/	/	24.61	/	/	<=30	Pass
		Inner_1RB_Left	25.03	/	/	24.63	/	/	<=30	Pass
		Inner_1RB_Right	24.74	/	/	24.34	/	/	<=30	Pass
DFT-s-OFDM QPSK	3725.01	Edge_1RB_Left	21.26	/	/	20.86	/	/	<=30	Pass
		Edge_1RB_Right	21.72	/	/	21.32	/	/	<=30	Pass
		Outer_Full	23.99	/	/	23.59	/	/	<=30	Pass
		Inner_Full	25.03	/	/	24.63	/	/	<=30	Pass
		Inner_1RB_Left	24.96	/	/	24.56	/	/	<=30	Pass
		Inner_1RB_Right	25.43	/	/	25.03	/	/	<=30	Pass
		Edge_1RB_Left	21.33	/	/	20.93	/	/	<=30	Pass
	3840	Edge_1RB_Right	21.55	/	/	21.15	/	/	<=30	Pass
		Outer_Full	24.04	/	/	23.64	/	/	<=30	Pass
		Inner_Full	25.13	/	/	24.73	/	/	<=30	Pass
		Inner_1RB_Left	25.01	/	/	24.61	/	/	<=30	Pass
		Inner_1RB_Right	25.19	/	/	24.79	/	/	<=30	Pass
	3954.99	Edge_1RB_Left	21.42	/	/	21.02	/	/	<=30	Pass
		Edge_1RB_Right	21.24	/	/	20.84	/	/	<=30	Pass
		Outer_Full	24.13	/	/	23.73	/	/	<=30	Pass
		Inner_Full	25.08	/	/	24.68	/	/	<=30	Pass
		Inner_1RB_Left	25.16	/	/	24.76	/	/	<=30	Pass
		Inner_1RB_Right	24.85	/	/	24.45	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3725.01	Edge_1RB_Left	21.24	/	/	20.84	/	/	<=30	Pass
		Edge_1RB_Right	21.60	/	/	21.20	/	/	<=30	Pass
		Outer_Full	22.98	/	/	22.58	/	/	<=30	Pass
		Inner_Full	23.93	/	/	23.53	/	/	<=30	Pass
		Inner_1RB_Left	23.70	/	/	23.30	/	/	<=30	Pass
		Inner_1RB_Right	24.10	/	/	23.70	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.39	/	/	20.99	/	/	<=30	Pass
		Edge_1RB_Right	21.43	/	/	21.03	/	/	<=30	Pass
		Outer_Full	23.14	/	/	22.74	/	/	<=30	Pass
		Inner_Full	24.05	/	/	23.65	/	/	<=30	Pass
		Inner_1RB_Left	23.80	/	/	23.40	/	/	<=30	Pass
		Inner_1RB_Right	23.96	/	/	23.56	/	/	<=30	Pass
	3954.99	Edge_1RB_Left	21.28	/	/	20.88	/	/	<=30	Pass
		Edge_1RB_Right	21.21	/	/	20.81	/	/	<=30	Pass
		Outer_Full	23.03	/	/	22.63	/	/	<=30	Pass
		Inner_Full	24.05	/	/	23.65	/	/	<=30	Pass
		Inner_1RB_Left	23.90	/	/	23.50	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3725.01	Inner_1RB_Right	23.68	/	/	23.28	/	/	<=30	Pass
		Edge_1RB_Left	21.21	/	/	20.81	/	/	<=30	Pass
		Edge_1RB_Right	21.71	/	/	21.31	/	/	<=30	Pass
		Outer_Full	22.55	/	/	22.15	/	/	<=30	Pass
		Inner_Full	22.49	/	/	22.09	/	/	<=30	Pass
		Inner_1RB_Left	22.08	/	/	21.68	/	/	<=30	Pass
	3840	Inner_1RB_Right	22.61	/	/	22.21	/	/	<=30	Pass
		Edge_1RB_Left	21.31	/	/	20.91	/	/	<=30	Pass
		Edge_1RB_Right	21.39	/	/	20.99	/	/	<=30	Pass
		Outer_Full	22.52	/	/	22.12	/	/	<=30	Pass
		Inner_Full	22.65	/	/	22.25	/	/	<=30	Pass
		Inner_1RB_Left	22.29	/	/	21.89	/	/	<=30	Pass
	3954.99	Inner_1RB_Right	22.41	/	/	22.01	/	/	<=30	Pass
		Edge_1RB_Left	21.37	/	/	20.97	/	/	<=30	Pass
		Edge_1RB_Right	21.06	/	/	20.66	/	/	<=30	Pass
		Outer_Full	22.59	/	/	22.19	/	/	<=30	Pass
		Inner_Full	22.60	/	/	22.20	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3725.01	Inner_1RB_Left	22.32	/	/	21.92	/	/	<=30	Pass
		Inner_1RB_Right	22.17	/	/	21.77	/	/	<=30	Pass
		Edge_1RB_Left	20.42	/	/	20.02	/	/	<=30	Pass
		Edge_1RB_Right	20.84	/	/	20.44	/	/	<=30	Pass

		Outer_Full	20.61	/	/	20.21	/	/	<=30	Pass
		Inner_Full	20.48	/	/	20.08	/	/	<=30	Pass
		Inner_1RB_Left	20.30	/	/	19.90	/	/	<=30	Pass
		Inner_1RB_Right	20.77	/	/	20.37	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.57	/	/	20.17	/	/	<=30	Pass
		Edge_1RB_Right	20.63	/	/	20.23	/	/	<=30	Pass
		Outer_Full	20.51	/	/	20.11	/	/	<=30	Pass
		Inner_Full	20.64	/	/	20.24	/	/	<=30	Pass
	3954.99	Inner_1RB_Left	20.38	/	/	19.98	/	/	<=30	Pass
		Inner_1RB_Right	20.57	/	/	20.17	/	/	<=30	Pass
		Edge_1RB_Left	20.55	/	/	20.15	/	/	<=30	Pass
		Edge_1RB_Right	20.24	/	/	19.84	/	/	<=30	Pass
		Outer_Full	20.63	/	/	20.23	/	/	<=30	Pass
		Inner_Full	20.51	/	/	20.11	/	/	<=30	Pass
		Inner_1RB_Left	20.57	/	/	20.17	/	/	<=30	Pass
		Inner_1RB_Right	20.30	/	/	19.90	/	/	<=30	Pass
CP-OFDM QPSK	3725.01	Edge_1RB_Left	21.38	/	/	20.98	/	/	<=30	Pass
		Edge_1RB_Right	21.68	/	/	21.28	/	/	<=30	Pass
		Outer_Full	22.01	/	/	21.61	/	/	<=30	Pass
		Inner_Full	23.48	/	/	23.08	/	/	<=30	Pass
		Inner_1RB_Left	23.16	/	/	22.76	/	/	<=30	Pass
		Inner_1RB_Right	23.43	/	/	23.03	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.39	/	/	20.99	/	/	<=30	Pass
		Edge_1RB_Right	21.55	/	/	21.15	/	/	<=30	Pass
		Outer_Full	21.97	/	/	21.57	/	/	<=30	Pass
		Inner_Full	23.57	/	/	23.17	/	/	<=30	Pass
		Inner_1RB_Left	23.26	/	/	22.86	/	/	<=30	Pass
		Inner_1RB_Right	23.22	/	/	22.82	/	/	<=30	Pass
	3954.99	Edge_1RB_Left	21.42	/	/	21.02	/	/	<=30	Pass
		Edge_1RB_Right	21.36	/	/	20.96	/	/	<=30	Pass
		Outer_Full	22.07	/	/	21.67	/	/	<=30	Pass
		Inner_Full	23.54	/	/	23.14	/	/	<=30	Pass
		Inner_1RB_Left	23.41	/	/	23.01	/	/	<=30	Pass
		Inner_1RB_Right	23.14	/	/	22.74	/	/	<=30	Pass
CP-OFDM 16 QAM	3725.01	Edge_1RB_Left	21.38	/	/	20.98	/	/	<=30	Pass
		Edge_1RB_Right	21.78	/	/	21.38	/	/	<=30	Pass
		Outer_Full	21.93	/	/	21.53	/	/	<=30	Pass
		Inner_Full	23.01	/	/	22.61	/	/	<=30	Pass
		Inner_1RB_Left	22.95	/	/	22.55	/	/	<=30	Pass
		Inner_1RB_Right	23.42	/	/	23.02	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.33	/	/	20.93	/	/	<=30	Pass
		Edge_1RB_Right	21.59	/	/	21.19	/	/	<=30	Pass
		Outer_Full	22.04	/	/	21.64	/	/	<=30	Pass
		Inner_Full	23.05	/	/	22.65	/	/	<=30	Pass
		Inner_1RB_Left	23.08	/	/	22.68	/	/	<=30	Pass
		Inner_1RB_Right	23.14	/	/	22.74	/	/	<=30	Pass
	3954.99	Edge_1RB_Left	21.37	/	/	20.97	/	/	<=30	Pass
		Edge_1RB_Right	21.27	/	/	20.87	/	/	<=30	Pass
		Outer_Full	21.97	/	/	21.57	/	/	<=30	Pass
		Inner_Full	23.05	/	/	22.65	/	/	<=30	Pass
		Inner_1RB_Left	22.95	/	/	22.55	/	/	<=30	Pass
		Inner_1RB_Right	22.77	/	/	22.37	/	/	<=30	Pass
CP-OFDM 64 QAM	3725.01	Edge_1RB_Left	21.12	/	/	20.72	/	/	<=30	Pass
		Edge_1RB_Right	21.46	/	/	21.06	/	/	<=30	Pass
		Outer_Full	21.44	/	/	21.04	/	/	<=30	Pass
		Inner_Full	21.56	/	/	21.16	/	/	<=30	Pass
		Inner_1RB_Left	21.19	/	/	20.79	/	/	<=30	Pass
		Inner_1RB_Right	21.51	/	/	21.11	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.19	/	/	20.79	/	/	<=30	Pass

		Edge_1RB_Right	21.17	/	/	20.77	/	/	<=30	Pass
		Outer_Full	21.49	/	/	21.09	/	/	<=30	Pass
		Inner_Full	21.64	/	/	21.24	/	/	<=30	Pass
		Inner_1RB_Left	21.11	/	/	20.71	/	/	<=30	Pass
		Inner_1RB_Right	21.24	/	/	20.84	/	/	<=30	Pass
	3954.99	Edge_1RB_Left	21.33	/	/	20.93	/	/	<=30	Pass
		Edge_1RB_Right	21.11	/	/	20.71	/	/	<=30	Pass
		Outer_Full	21.55	/	/	21.15	/	/	<=30	Pass
		Inner_Full	21.40	/	/	21.00	/	/	<=30	Pass
		Inner_1RB_Left	21.21	/	/	20.81	/	/	<=30	Pass
		Inner_1RB_Right	21.07	/	/	20.67	/	/	<=30	Pass
CP-OFDM 256 QAM	3725.01	Edge_1RB_Left	18.38	/	/	17.98	/	/	<=30	Pass
		Edge_1RB_Right	18.86	/	/	18.46	/	/	<=30	Pass
		Outer_Full	18.46	/	/	18.06	/	/	<=30	Pass
		Inner_Full	18.51	/	/	18.11	/	/	<=30	Pass
		Inner_1RB_Left	18.48	/	/	18.08	/	/	<=30	Pass
		Inner_1RB_Right	18.76	/	/	18.36	/	/	<=30	Pass
	3840	Edge_1RB_Left	18.56	/	/	18.16	/	/	<=30	Pass
		Edge_1RB_Right	18.73	/	/	18.33	/	/	<=30	Pass
		Outer_Full	18.64	/	/	18.24	/	/	<=30	Pass
		Inner_Full	18.51	/	/	18.11	/	/	<=30	Pass
		Inner_1RB_Left	18.44	/	/	18.04	/	/	<=30	Pass
		Inner_1RB_Right	18.77	/	/	18.37	/	/	<=30	Pass
	3954.99	Edge_1RB_Left	18.55	/	/	18.15	/	/	<=30	Pass
		Edge_1RB_Right	18.34	/	/	17.94	/	/	<=30	Pass
		Outer_Full	18.56	/	/	18.16	/	/	<=30	Pass
		Inner_Full	18.62	/	/	18.22	/	/	<=30	Pass
		Inner_1RB_Left	18.74	/	/	18.34	/	/	<=30	Pass
		Inner_1RB_Right	18.47	/	/	18.07	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: -0.40dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.6 30k_SISO_60MHz_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 60MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3730.02	Edge_1RB_Left	21.39	/	/	20.99	/	/	<=30	Pass
		Edge_1RB_Right	21.61	/	/	21.21	/	/	<=30	Pass
		Outer_Full	24.57	/	/	24.17	/	/	<=30	Pass
		Inner_Full	24.99	/	/	24.59	/	/	<=30	Pass
		Inner_1RB_Left	24.81	/	/	24.41	/	/	<=30	Pass
		Inner_1RB_Right	25.07	/	/	24.67	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.37	/	/	20.97	/	/	<=30	Pass
		Edge_1RB_Right	21.59	/	/	21.19	/	/	<=30	Pass
		Outer_Full	24.48	/	/	24.08	/	/	<=30	Pass
		Inner_Full	24.90	/	/	24.50	/	/	<=30	Pass
		Inner_1RB_Left	24.77	/	/	24.37	/	/	<=30	Pass
		Inner_1RB_Right	24.92	/	/	24.52	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	21.24	/	/	20.84	/	/	<=30	Pass
		Edge_1RB_Right	21.39	/	/	20.99	/	/	<=30	Pass
		Outer_Full	24.45	/	/	24.05	/	/	<=30	Pass
		Inner_Full	25.01	/	/	24.61	/	/	<=30	Pass
		Inner_1RB_Left	24.80	/	/	24.40	/	/	<=30	Pass
		Inner_1RB_Right	24.80	/	/	24.40	/	/	<=30	Pass
DFT-s-OFDM QPSK	3730.02	Edge_1RB_Left	21.38	/	/	20.98	/	/	<=30	Pass
		Edge_1RB_Right	21.69	/	/	21.29	/	/	<=30	Pass
		Outer_Full	23.98	/	/	23.58	/	/	<=30	Pass

		Inner_Full	24.95	/	/	24.55	/	/	<=30	Pass
		Inner_1RB_Left	25.07	/	/	24.67	/	/	<=30	Pass
		Inner_1RB_Right	25.34	/	/	24.94	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.41	/	/	21.01	/	/	<=30	Pass
		Edge_1RB_Right	21.51	/	/	21.11	/	/	<=30	Pass
		Outer_Full	23.87	/	/	23.47	/	/	<=30	Pass
		Inner_Full	24.96	/	/	24.56	/	/	<=30	Pass
		Inner_1RB_Left	25.05	/	/	24.65	/	/	<=30	Pass
		Inner_1RB_Right	25.16	/	/	24.76	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	21.25	/	/	20.85	/	/	<=30	Pass
		Edge_1RB_Right	21.21	/	/	20.81	/	/	<=30	Pass
		Outer_Full	23.98	/	/	23.58	/	/	<=30	Pass
		Inner_Full	24.94	/	/	24.54	/	/	<=30	Pass
		Inner_1RB_Left	24.95	/	/	24.55	/	/	<=30	Pass
		Inner_1RB_Right	24.88	/	/	24.48	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3730.02	Edge_1RB_Left	21.26	/	/	20.86	/	/	<=30	Pass
		Edge_1RB_Right	21.49	/	/	21.09	/	/	<=30	Pass
		Outer_Full	23.00	/	/	22.60	/	/	<=30	Pass
		Inner_Full	24.03	/	/	23.63	/	/	<=30	Pass
		Inner_1RB_Left	23.86	/	/	23.46	/	/	<=30	Pass
		Inner_1RB_Right	24.17	/	/	23.77	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.27	/	/	20.87	/	/	<=30	Pass
		Edge_1RB_Right	21.40	/	/	21.00	/	/	<=30	Pass
		Outer_Full	23.01	/	/	22.61	/	/	<=30	Pass
		Inner_Full	24.11	/	/	23.71	/	/	<=30	Pass
		Inner_1RB_Left	23.86	/	/	23.46	/	/	<=30	Pass
		Inner_1RB_Right	23.97	/	/	23.57	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	21.20	/	/	20.80	/	/	<=30	Pass
		Edge_1RB_Right	21.12	/	/	20.72	/	/	<=30	Pass
		Outer_Full	22.94	/	/	22.54	/	/	<=30	Pass
		Inner_Full	23.94	/	/	23.54	/	/	<=30	Pass
		Inner_1RB_Left	23.73	/	/	23.33	/	/	<=30	Pass
		Inner_1RB_Right	23.69	/	/	23.29	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3730.02	Edge_1RB_Left	21.20	/	/	20.80	/	/	<=30	Pass
		Edge_1RB_Right	21.55	/	/	21.15	/	/	<=30	Pass
		Outer_Full	22.53	/	/	22.13	/	/	<=30	Pass
		Inner_Full	22.41	/	/	22.01	/	/	<=30	Pass
		Inner_1RB_Left	22.16	/	/	21.76	/	/	<=30	Pass
		Inner_1RB_Right	22.41	/	/	22.01	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.16	/	/	20.76	/	/	<=30	Pass
		Edge_1RB_Right	21.32	/	/	20.92	/	/	<=30	Pass
		Outer_Full	22.34	/	/	21.94	/	/	<=30	Pass
		Inner_Full	22.49	/	/	22.09	/	/	<=30	Pass
		Inner_1RB_Left	22.22	/	/	21.82	/	/	<=30	Pass
		Inner_1RB_Right	22.37	/	/	21.97	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	21.07	/	/	20.67	/	/	<=30	Pass
		Edge_1RB_Right	21.17	/	/	20.77	/	/	<=30	Pass
		Outer_Full	22.39	/	/	21.99	/	/	<=30	Pass
		Inner_Full	22.40	/	/	22.00	/	/	<=30	Pass
		Inner_1RB_Left	22.20	/	/	21.80	/	/	<=30	Pass
		Inner_1RB_Right	22.02	/	/	21.62	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3730.02	Edge_1RB_Left	20.54	/	/	20.14	/	/	<=30	Pass
		Edge_1RB_Right	20.72	/	/	20.32	/	/	<=30	Pass
		Outer_Full	20.44	/	/	20.04	/	/	<=30	Pass
		Inner_Full	20.47	/	/	20.07	/	/	<=30	Pass
		Inner_1RB_Left	20.49	/	/	20.09	/	/	<=30	Pass
		Inner_1RB_Right	20.61	/	/	20.21	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.38	/	/	19.98	/	/	<=30	Pass
		Edge_1RB_Right	20.56	/	/	20.16	/	/	<=30	Pass

		Outer_Full	20.50	/	/	20.10	/	/	<=30	Pass
		Inner_Full	20.61	/	/	20.21	/	/	<=30	Pass
		Inner_1RB_Left	20.45	/	/	20.05	/	/	<=30	Pass
		Inner_1RB_Right	20.42	/	/	20.02	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	20.45	/	/	20.05	/	/	<=30	Pass
		Edge_1RB_Right	20.40	/	/	20.00	/	/	<=30	Pass
		Outer_Full	20.32	/	/	19.92	/	/	<=30	Pass
		Inner_Full	20.39	/	/	19.99	/	/	<=30	Pass
		Inner_1RB_Left	20.29	/	/	19.89	/	/	<=30	Pass
		Inner_1RB_Right	20.27	/	/	19.87	/	/	<=30	Pass
CP-OFDM QPSK	3730.02	Edge_1RB_Left	21.27	/	/	20.87	/	/	<=30	Pass
		Edge_1RB_Right	21.50	/	/	21.10	/	/	<=30	Pass
		Outer_Full	22.05	/	/	21.65	/	/	<=30	Pass
		Inner_Full	23.56	/	/	23.16	/	/	<=30	Pass
		Inner_1RB_Left	23.15	/	/	22.75	/	/	<=30	Pass
		Inner_1RB_Right	23.30	/	/	22.90	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.36	/	/	20.96	/	/	<=30	Pass
		Edge_1RB_Right	21.44	/	/	21.04	/	/	<=30	Pass
		Outer_Full	21.98	/	/	21.58	/	/	<=30	Pass
		Inner_Full	23.54	/	/	23.14	/	/	<=30	Pass
		Inner_1RB_Left	23.17	/	/	22.77	/	/	<=30	Pass
		Inner_1RB_Right	23.24	/	/	22.84	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	21.37	/	/	20.97	/	/	<=30	Pass
		Edge_1RB_Right	21.27	/	/	20.87	/	/	<=30	Pass
		Outer_Full	21.88	/	/	21.48	/	/	<=30	Pass
		Inner_Full	23.57	/	/	23.17	/	/	<=30	Pass
		Inner_1RB_Left	23.20	/	/	22.80	/	/	<=30	Pass
		Inner_1RB_Right	23.35	/	/	22.95	/	/	<=30	Pass
CP-OFDM 16 QAM	3730.02	Edge_1RB_Left	21.33	/	/	20.93	/	/	<=30	Pass
		Edge_1RB_Right	21.66	/	/	21.26	/	/	<=30	Pass
		Outer_Full	21.96	/	/	21.56	/	/	<=30	Pass
		Inner_Full	22.85	/	/	22.45	/	/	<=30	Pass
		Inner_1RB_Left	23.00	/	/	22.60	/	/	<=30	Pass
		Inner_1RB_Right	23.22	/	/	22.82	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.38	/	/	20.98	/	/	<=30	Pass
		Edge_1RB_Right	21.53	/	/	21.13	/	/	<=30	Pass
		Outer_Full	21.87	/	/	21.47	/	/	<=30	Pass
		Inner_Full	23.08	/	/	22.68	/	/	<=30	Pass
		Inner_1RB_Left	23.02	/	/	22.62	/	/	<=30	Pass
		Inner_1RB_Right	23.02	/	/	22.62	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	21.21	/	/	20.81	/	/	<=30	Pass
		Edge_1RB_Right	21.29	/	/	20.89	/	/	<=30	Pass
		Outer_Full	21.81	/	/	21.41	/	/	<=30	Pass
		Inner_Full	22.91	/	/	22.51	/	/	<=30	Pass
		Inner_1RB_Left	22.83	/	/	22.43	/	/	<=30	Pass
		Inner_1RB_Right	22.77	/	/	22.37	/	/	<=30	Pass
CP-OFDM 64 QAM	3730.02	Edge_1RB_Left	21.03	/	/	20.63	/	/	<=30	Pass
		Edge_1RB_Right	21.28	/	/	20.88	/	/	<=30	Pass
		Outer_Full	21.47	/	/	21.07	/	/	<=30	Pass
		Inner_Full	21.51	/	/	21.11	/	/	<=30	Pass
		Inner_1RB_Left	21.24	/	/	20.84	/	/	<=30	Pass
		Inner_1RB_Right	21.37	/	/	20.97	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.15	/	/	20.75	/	/	<=30	Pass
		Edge_1RB_Right	21.27	/	/	20.87	/	/	<=30	Pass
		Outer_Full	21.36	/	/	20.96	/	/	<=30	Pass
		Inner_Full	21.53	/	/	21.13	/	/	<=30	Pass
		Inner_1RB_Left	21.12	/	/	20.72	/	/	<=30	Pass
		Inner_1RB_Right	21.15	/	/	20.75	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	21.11	/	/	20.71	/	/	<=30	Pass

		Edge_1RB_Right	21.18	/	/	20.78	/	/	<=30	Pass	
		Outer_Full	21.37	/	/	20.97	/	/	<=30	Pass	
		Inner_Full	21.51	/	/	21.11	/	/	<=30	Pass	
		Inner_1RB_Left	21.05	/	/	20.65	/	/	<=30	Pass	
		Inner_1RB_Right	20.99	/	/	20.59	/	/	<=30	Pass	
CP-OFDM 256 QAM	3730.02	Edge_1RB_Left	18.48	/	/	18.08	/	/	<=30	Pass	
		Edge_1RB_Right	18.66	/	/	18.26	/	/	<=30	Pass	
		Outer_Full	18.46	/	/	18.06	/	/	<=30	Pass	
		Inner_Full	18.43	/	/	18.03	/	/	<=30	Pass	
		Inner_1RB_Left	18.53	/	/	18.13	/	/	<=30	Pass	
		Inner_1RB_Right	18.73	/	/	18.33	/	/	<=30	Pass	
	3840	Edge_1RB_Left	18.41	/	/	18.01	/	/	<=30	Pass	
		Edge_1RB_Right	18.68	/	/	18.28	/	/	<=30	Pass	
		Outer_Full	18.42	/	/	18.02	/	/	<=30	Pass	
		Inner_Full	18.43	/	/	18.03	/	/	<=30	Pass	
		Inner_1RB_Left	18.35	/	/	17.95	/	/	<=30	Pass	
		Inner_1RB_Right	18.54	/	/	18.14	/	/	<=30	Pass	
	3949.98	Edge_1RB_Left	18.40	/	/	18.00	/	/	<=30	Pass	
		Edge_1RB_Right	18.52	/	/	18.12	/	/	<=30	Pass	
		Outer_Full	18.32	/	/	17.92	/	/	<=30	Pass	
		Inner_Full	18.49	/	/	18.09	/	/	<=30	Pass	
		Inner_1RB_Left	18.53	/	/	18.13	/	/	<=30	Pass	
			Inner_1RB_Right	18.52	/	/	18.12	/	/	<=30	Pass
	Note1: Antenna Gain: Ant1: -0.40dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.7 30k_SISO_80MHz_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 80MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3740.01	Edge_1RB_Left	21.54	/	/	21.14	/	/	<=30	Pass
		Edge_1RB_Right	21.57	/	/	21.17	/	/	<=30	Pass
		Outer_Full	24.63	/	/	24.23	/	/	<=30	Pass
		Inner_Full	25.04	/	/	24.64	/	/	<=30	Pass
		Inner_1RB_Left	24.90	/	/	24.50	/	/	<=30	Pass
		Inner_1RB_Right	24.90	/	/	24.50	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.42	/	/	21.02	/	/	<=30	Pass
		Edge_1RB_Right	21.52	/	/	21.12	/	/	<=30	Pass
		Outer_Full	24.51	/	/	24.11	/	/	<=30	Pass
		Inner_Full	25.01	/	/	24.61	/	/	<=30	Pass
		Inner_1RB_Left	24.91	/	/	24.51	/	/	<=30	Pass
		Inner_1RB_Right	25.03	/	/	24.63	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	21.41	/	/	21.01	/	/	<=30	Pass
		Edge_1RB_Right	21.40	/	/	21.00	/	/	<=30	Pass
		Outer_Full	24.36	/	/	23.96	/	/	<=30	Pass
		Inner_Full	24.89	/	/	24.49	/	/	<=30	Pass
		Inner_1RB_Left	25.01	/	/	24.61	/	/	<=30	Pass
		Inner_1RB_Right	24.80	/	/	24.40	/	/	<=30	Pass
DFT-s-OFDM QPSK	3740.01	Edge_1RB_Left	21.37	/	/	20.97	/	/	<=30	Pass
		Edge_1RB_Right	21.52	/	/	21.12	/	/	<=30	Pass
		Outer_Full	24.06	/	/	23.66	/	/	<=30	Pass
		Inner_Full	25.03	/	/	24.63	/	/	<=30	Pass
		Inner_1RB_Left	25.15	/	/	24.75	/	/	<=30	Pass
		Inner_1RB_Right	25.23	/	/	24.83	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.39	/	/	20.99	/	/	<=30	Pass
		Edge_1RB_Right	21.56	/	/	21.16	/	/	<=30	Pass
		Outer_Full	24.00	/	/	23.60	/	/	<=30	Pass

		Inner_Full	24.98	/	/	24.58	/	/	<=30	Pass
		Inner_1RB_Left	25.05	/	/	24.65	/	/	<=30	Pass
		Inner_1RB_Right	25.12	/	/	24.72	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	21.49	/	/	21.09	/	/	<=30	Pass
		Edge_1RB_Right	21.18	/	/	20.78	/	/	<=30	Pass
		Outer_Full	23.92	/	/	23.52	/	/	<=30	Pass
		Inner_Full	24.88	/	/	24.48	/	/	<=30	Pass
		Inner_1RB_Left	25.11	/	/	24.71	/	/	<=30	Pass
		Inner_1RB_Right	24.91	/	/	24.51	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3740.01	Edge_1RB_Left	21.37	/	/	20.97	/	/	<=30	Pass
		Edge_1RB_Right	21.45	/	/	21.05	/	/	<=30	Pass
		Outer_Full	23.11	/	/	22.71	/	/	<=30	Pass
		Inner_Full	24.13	/	/	23.73	/	/	<=30	Pass
		Inner_1RB_Left	24.03	/	/	23.63	/	/	<=30	Pass
		Inner_1RB_Right	24.00	/	/	23.60	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.24	/	/	20.84	/	/	<=30	Pass
		Edge_1RB_Right	21.43	/	/	21.03	/	/	<=30	Pass
		Outer_Full	22.96	/	/	22.56	/	/	<=30	Pass
		Inner_Full	23.94	/	/	23.54	/	/	<=30	Pass
		Inner_1RB_Left	23.88	/	/	23.48	/	/	<=30	Pass
		Inner_1RB_Right	24.03	/	/	23.63	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	21.29	/	/	20.89	/	/	<=30	Pass
		Edge_1RB_Right	21.27	/	/	20.87	/	/	<=30	Pass
		Outer_Full	22.97	/	/	22.57	/	/	<=30	Pass
		Inner_Full	23.94	/	/	23.54	/	/	<=30	Pass
		Inner_1RB_Left	23.86	/	/	23.46	/	/	<=30	Pass
		Inner_1RB_Right	23.79	/	/	23.39	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3740.01	Edge_1RB_Left	21.18	/	/	20.78	/	/	<=30	Pass
		Edge_1RB_Right	21.33	/	/	20.93	/	/	<=30	Pass
		Outer_Full	22.45	/	/	22.05	/	/	<=30	Pass
		Inner_Full	22.49	/	/	22.09	/	/	<=30	Pass
		Inner_1RB_Left	22.32	/	/	21.92	/	/	<=30	Pass
		Inner_1RB_Right	22.34	/	/	21.94	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.24	/	/	20.84	/	/	<=30	Pass
		Edge_1RB_Right	21.44	/	/	21.04	/	/	<=30	Pass
		Outer_Full	22.42	/	/	22.02	/	/	<=30	Pass
		Inner_Full	22.54	/	/	22.14	/	/	<=30	Pass
		Inner_1RB_Left	22.21	/	/	21.81	/	/	<=30	Pass
		Inner_1RB_Right	22.30	/	/	21.90	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	21.27	/	/	20.87	/	/	<=30	Pass
		Edge_1RB_Right	21.14	/	/	20.74	/	/	<=30	Pass
		Outer_Full	22.45	/	/	22.05	/	/	<=30	Pass
		Inner_Full	22.41	/	/	22.01	/	/	<=30	Pass
		Inner_1RB_Left	22.29	/	/	21.89	/	/	<=30	Pass
		Inner_1RB_Right	22.04	/	/	21.64	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3740.01	Edge_1RB_Left	20.45	/	/	20.05	/	/	<=30	Pass
		Edge_1RB_Right	20.56	/	/	20.16	/	/	<=30	Pass
		Outer_Full	20.46	/	/	20.06	/	/	<=30	Pass
		Inner_Full	20.62	/	/	20.22	/	/	<=30	Pass
		Inner_1RB_Left	20.50	/	/	20.10	/	/	<=30	Pass
		Inner_1RB_Right	20.63	/	/	20.23	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.39	/	/	19.99	/	/	<=30	Pass
		Edge_1RB_Right	20.48	/	/	20.08	/	/	<=30	Pass
		Outer_Full	20.37	/	/	19.97	/	/	<=30	Pass
		Inner_Full	20.50	/	/	20.10	/	/	<=30	Pass
		Inner_1RB_Left	20.31	/	/	19.91	/	/	<=30	Pass
		Inner_1RB_Right	20.56	/	/	20.16	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	20.47	/	/	20.07	/	/	<=30	Pass
		Edge_1RB_Right	20.29	/	/	19.89	/	/	<=30	Pass

		Outer_Full	20.34	/	/	19.94	/	/	<=30	Pass
		Inner_Full	20.39	/	/	19.99	/	/	<=30	Pass
		Inner_1RB_Left	20.55	/	/	20.15	/	/	<=30	Pass
		Inner_1RB_Right	20.27	/	/	19.87	/	/	<=30	Pass
CP-OFDM QPSK	3740.01	Edge_1RB_Left	21.36	/	/	20.96	/	/	<=30	Pass
		Edge_1RB_Right	21.42	/	/	21.02	/	/	<=30	Pass
		Outer_Full	22.02	/	/	21.62	/	/	<=30	Pass
		Inner_Full	23.61	/	/	23.21	/	/	<=30	Pass
		Inner_1RB_Left	23.26	/	/	22.86	/	/	<=30	Pass
		Inner_1RB_Right	23.26	/	/	22.86	/	/	<=30	Pass
		Edge_1RB_Left	21.33	/	/	20.93	/	/	<=30	Pass
		Edge_1RB_Right	21.42	/	/	21.02	/	/	<=30	Pass
	3840	Outer_Full	21.87	/	/	21.47	/	/	<=30	Pass
		Inner_Full	23.52	/	/	23.12	/	/	<=30	Pass
		Inner_1RB_Left	23.25	/	/	22.85	/	/	<=30	Pass
		Inner_1RB_Right	23.33	/	/	22.93	/	/	<=30	Pass
		Edge_1RB_Left	21.36	/	/	20.96	/	/	<=30	Pass
		Edge_1RB_Right	21.26	/	/	20.86	/	/	<=30	Pass
	3939.99	Outer_Full	21.91	/	/	21.51	/	/	<=30	Pass
		Inner_Full	23.55	/	/	23.15	/	/	<=30	Pass
		Inner_1RB_Left	23.32	/	/	22.92	/	/	<=30	Pass
		Inner_1RB_Right	23.17	/	/	22.77	/	/	<=30	Pass
CP-OFDM 16 QAM	3740.01	Edge_1RB_Left	21.42	/	/	21.02	/	/	<=30	Pass
		Edge_1RB_Right	21.46	/	/	21.06	/	/	<=30	Pass
		Outer_Full	22.05	/	/	21.65	/	/	<=30	Pass
		Inner_Full	23.05	/	/	22.65	/	/	<=30	Pass
		Inner_1RB_Left	23.02	/	/	22.62	/	/	<=30	Pass
		Inner_1RB_Right	23.15	/	/	22.75	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.29	/	/	20.89	/	/	<=30	Pass
		Edge_1RB_Right	21.48	/	/	21.08	/	/	<=30	Pass
		Outer_Full	21.99	/	/	21.59	/	/	<=30	Pass
		Inner_Full	23.01	/	/	22.61	/	/	<=30	Pass
		Inner_1RB_Left	23.04	/	/	22.64	/	/	<=30	Pass
		Inner_1RB_Right	23.07	/	/	22.67	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	21.55	/	/	21.15	/	/	<=30	Pass
		Edge_1RB_Right	21.19	/	/	20.79	/	/	<=30	Pass
		Outer_Full	21.94	/	/	21.54	/	/	<=30	Pass
		Inner_Full	22.98	/	/	22.58	/	/	<=30	Pass
		Inner_1RB_Left	22.94	/	/	22.54	/	/	<=30	Pass
		Inner_1RB_Right	22.74	/	/	22.34	/	/	<=30	Pass
CP-OFDM 64 QAM	3740.01	Edge_1RB_Left	21.12	/	/	20.72	/	/	<=30	Pass
		Edge_1RB_Right	21.29	/	/	20.89	/	/	<=30	Pass
		Outer_Full	21.56	/	/	21.16	/	/	<=30	Pass
		Inner_Full	21.56	/	/	21.16	/	/	<=30	Pass
		Inner_1RB_Left	21.29	/	/	20.89	/	/	<=30	Pass
		Inner_1RB_Right	21.14	/	/	20.74	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.17	/	/	20.77	/	/	<=30	Pass
		Edge_1RB_Right	21.17	/	/	20.77	/	/	<=30	Pass
		Outer_Full	21.39	/	/	20.99	/	/	<=30	Pass
		Inner_Full	21.44	/	/	21.04	/	/	<=30	Pass
		Inner_1RB_Left	21.19	/	/	20.79	/	/	<=30	Pass
		Inner_1RB_Right	21.23	/	/	20.83	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	21.06	/	/	20.66	/	/	<=30	Pass
		Edge_1RB_Right	21.07	/	/	20.67	/	/	<=30	Pass
		Outer_Full	21.40	/	/	21.00	/	/	<=30	Pass
		Inner_Full	21.43	/	/	21.03	/	/	<=30	Pass
		Inner_1RB_Left	21.22	/	/	20.82	/	/	<=30	Pass
		Inner_1RB_Right	21.02	/	/	20.62	/	/	<=30	Pass
CP-OFDM 256 QAM	3740.01	Edge_1RB_Left	18.62	/	/	18.22	/	/	<=30	Pass

		Edge_1RB_Right	18.59	/	/	18.19	/	/	<=30	Pass
		Outer_Full	18.66	/	/	18.26	/	/	<=30	Pass
		Inner_Full	18.57	/	/	18.17	/	/	<=30	Pass
		Inner_1RB_Left	18.64	/	/	18.24	/	/	<=30	Pass
		Inner_1RB_Right	18.59	/	/	18.19	/	/	<=30	Pass
	3840	Edge_1RB_Left	18.41	/	/	18.01	/	/	<=30	Pass
		Edge_1RB_Right	18.57	/	/	18.17	/	/	<=30	Pass
		Outer_Full	18.49	/	/	18.09	/	/	<=30	Pass
		Inner_Full	18.49	/	/	18.09	/	/	<=30	Pass
		Inner_1RB_Left	18.51	/	/	18.11	/	/	<=30	Pass
	3939.99	Inner_1RB_Right	18.68	/	/	18.28	/	/	<=30	Pass
		Edge_1RB_Left	18.58	/	/	18.18	/	/	<=30	Pass
		Edge_1RB_Right	18.39	/	/	17.99	/	/	<=30	Pass
		Outer_Full	18.44	/	/	18.04	/	/	<=30	Pass
		Inner_Full	18.54	/	/	18.14	/	/	<=30	Pass
		Inner_1RB_Left	18.58	/	/	18.18	/	/	<=30	Pass
		Inner_1RB_Right	18.41	/	/	18.01	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: -0.40dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.8 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 PI/2 BPSK	3745.02	Edge_1RB_Left	21.42	/	/	21.02	/	/	<=30	Pass
		Edge_1RB_Right	21.58	/	/	21.18	/	/	<=30	Pass
		Outer_Full	24.45	/	/	24.05	/	/	<=30	Pass
		Inner_Full	24.97	/	/	24.57	/	/	<=30	Pass
		Inner_1RB_Left	24.88	/	/	24.48	/	/	<=30	Pass
		Inner_1RB_Right	24.97	/	/	24.57	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.27	/	/	20.87	/	/	<=30	Pass
		Edge_1RB_Right	21.45	/	/	21.05	/	/	<=30	Pass
		Outer_Full	24.37	/	/	23.97	/	/	<=30	Pass
		Inner_Full	24.91	/	/	24.51	/	/	<=30	Pass
		Inner_1RB_Left	24.70	/	/	24.30	/	/	<=30	Pass
		Inner_1RB_Right	25.00	/	/	24.60	/	/	<=30	Pass
	3934.98	Edge_1RB_Left	21.53	/	/	21.13	/	/	<=30	Pass
		Edge_1RB_Right	21.20	/	/	20.80	/	/	<=30	Pass
		Outer_Full	24.38	/	/	23.98	/	/	<=30	Pass
		Inner_Full	24.99	/	/	24.59	/	/	<=30	Pass
		Inner_1RB_Left	24.95	/	/	24.55	/	/	<=30	Pass
		Inner_1RB_Right	24.61	/	/	24.21	/	/	<=30	Pass
DFT-s-OFDM QPSK	3745.02	Edge_1RB_Left	21.28	/	/	20.88	/	/	<=30	Pass
		Edge_1RB_Right	21.46	/	/	21.06	/	/	<=30	Pass
		Outer_Full	24.07	/	/	23.67	/	/	<=30	Pass
		Inner_Full	25.11	/	/	24.71	/	/	<=30	Pass
		Inner_1RB_Left	24.86	/	/	24.46	/	/	<=30	Pass
		Inner_1RB_Right	25.10	/	/	24.70	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.36	/	/	20.96	/	/	<=30	Pass
		Edge_1RB_Right	21.51	/	/	21.11	/	/	<=30	Pass
		Outer_Full	23.95	/	/	23.55	/	/	<=30	Pass
		Inner_Full	25.03	/	/	24.63	/	/	<=30	Pass
		Inner_1RB_Left	25.05	/	/	24.65	/	/	<=30	Pass
		Inner_1RB_Right	24.97	/	/	24.57	/	/	<=30	Pass
	3934.98	Edge_1RB_Left	21.54	/	/	21.14	/	/	<=30	Pass
		Edge_1RB_Right	21.18	/	/	20.78	/	/	<=30	Pass
		Outer_Full	23.95	/	/	23.55	/	/	<=30	Pass

		Inner_Full	24.96	/	/	24.56	/	/	<=30	Pass
		Inner_1RB_Left	25.12	/	/	24.72	/	/	<=30	Pass
		Inner_1RB_Right	24.79	/	/	24.39	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3745.02	Edge_1RB_Left	21.25	/	/	20.85	/	/	<=30	Pass
		Edge_1RB_Right	21.44	/	/	21.04	/	/	<=30	Pass
		Outer_Full	23.06	/	/	22.66	/	/	<=30	Pass
		Inner_Full	24.12	/	/	23.72	/	/	<=30	Pass
		Inner_1RB_Left	23.90	/	/	23.50	/	/	<=30	Pass
		Inner_1RB_Right	23.98	/	/	23.58	/	/	<=30	Pass
		Edge_1RB_Left	21.15	/	/	20.75	/	/	<=30	Pass
	3840	Edge_1RB_Right	21.38	/	/	20.98	/	/	<=30	Pass
		Outer_Full	23.01	/	/	22.61	/	/	<=30	Pass
		Inner_Full	24.04	/	/	23.64	/	/	<=30	Pass
		Inner_1RB_Left	23.84	/	/	23.44	/	/	<=30	Pass
		Inner_1RB_Right	24.01	/	/	23.61	/	/	<=30	Pass
	3934.98	Edge_1RB_Left	21.54	/	/	21.14	/	/	<=30	Pass
		Edge_1RB_Right	20.96	/	/	20.56	/	/	<=30	Pass
		Outer_Full	22.98	/	/	22.58	/	/	<=30	Pass
		Inner_Full	24.07	/	/	23.67	/	/	<=30	Pass
		Inner_1RB_Left	24.02	/	/	23.62	/	/	<=30	Pass
		Inner_1RB_Right	23.59	/	/	23.19	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3745.02	Edge_1RB_Left	21.13	/	/	20.73	/	/	<=30	Pass
		Edge_1RB_Right	21.38	/	/	20.98	/	/	<=30	Pass
		Outer_Full	22.47	/	/	22.07	/	/	<=30	Pass
		Inner_Full	22.63	/	/	22.23	/	/	<=30	Pass
		Inner_1RB_Left	22.15	/	/	21.75	/	/	<=30	Pass
		Inner_1RB_Right	22.40	/	/	22.00	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.17	/	/	20.77	/	/	<=30	Pass
		Edge_1RB_Right	21.46	/	/	21.06	/	/	<=30	Pass
		Outer_Full	22.53	/	/	22.13	/	/	<=30	Pass
		Inner_Full	22.55	/	/	22.15	/	/	<=30	Pass
		Inner_1RB_Left	22.15	/	/	21.75	/	/	<=30	Pass
		Inner_1RB_Right	22.37	/	/	21.97	/	/	<=30	Pass
	3934.98	Edge_1RB_Left	21.35	/	/	20.95	/	/	<=30	Pass
		Edge_1RB_Right	21.00	/	/	20.60	/	/	<=30	Pass
		Outer_Full	22.44	/	/	22.04	/	/	<=30	Pass
		Inner_Full	22.48	/	/	22.08	/	/	<=30	Pass
		Inner_1RB_Left	22.35	/	/	21.95	/	/	<=30	Pass
		Inner_1RB_Right	21.90	/	/	21.50	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3745.02	Edge_1RB_Left	20.50	/	/	20.10	/	/	<=30	Pass
		Edge_1RB_Right	20.57	/	/	20.17	/	/	<=30	Pass
		Outer_Full	20.59	/	/	20.19	/	/	<=30	Pass
		Inner_Full	20.57	/	/	20.17	/	/	<=30	Pass
		Inner_1RB_Left	20.38	/	/	19.98	/	/	<=30	Pass
		Inner_1RB_Right	20.62	/	/	20.22	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.40	/	/	20.00	/	/	<=30	Pass
		Edge_1RB_Right	20.51	/	/	20.11	/	/	<=30	Pass
		Outer_Full	20.50	/	/	20.10	/	/	<=30	Pass
		Inner_Full	20.53	/	/	20.13	/	/	<=30	Pass
		Inner_1RB_Left	20.35	/	/	19.95	/	/	<=30	Pass
		Inner_1RB_Right	20.59	/	/	20.19	/	/	<=30	Pass
	3934.98	Edge_1RB_Left	20.61	/	/	20.21	/	/	<=30	Pass
		Edge_1RB_Right	20.17	/	/	19.77	/	/	<=30	Pass
		Outer_Full	20.45	/	/	20.05	/	/	<=30	Pass
		Inner_Full	20.52	/	/	20.12	/	/	<=30	Pass
		Inner_1RB_Left	20.67	/	/	20.27	/	/	<=30	Pass
		Inner_1RB_Right	20.13	/	/	19.73	/	/	<=30	Pass
CP-OFDM QPSK	3745.02	Edge_1RB_Left	21.19	/	/	20.79	/	/	<=30	Pass
		Edge_1RB_Right	21.50	/	/	21.10	/	/	<=30	Pass

		Outer_Full	21.99	/	/	21.59	/	/	<=30	Pass
		Inner_Full	23.61	/	/	23.21	/	/	<=30	Pass
		Inner_1RB_Left	23.28	/	/	22.88	/	/	<=30	Pass
		Inner_1RB_Right	23.18	/	/	22.78	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.24	/	/	20.84	/	/	<=30	Pass
		Edge_1RB_Right	21.49	/	/	21.09	/	/	<=30	Pass
		Outer_Full	21.92	/	/	21.52	/	/	<=30	Pass
		Inner_Full	23.41	/	/	23.01	/	/	<=30	Pass
	3934.98	Inner_1RB_Left	23.25	/	/	22.85	/	/	<=30	Pass
		Inner_1RB_Right	23.32	/	/	22.92	/	/	<=30	Pass
		Edge_1RB_Left	21.44	/	/	21.04	/	/	<=30	Pass
		Edge_1RB_Right	21.16	/	/	20.76	/	/	<=30	Pass
		Outer_Full	21.94	/	/	21.54	/	/	<=30	Pass
		Inner_Full	23.41	/	/	23.01	/	/	<=30	Pass
		Inner_1RB_Left	23.34	/	/	22.94	/	/	<=30	Pass
		Inner_1RB_Right	22.94	/	/	22.54	/	/	<=30	Pass
CP-OFDM 16 QAM	3745.02	Edge_1RB_Left	21.32	/	/	20.92	/	/	<=30	Pass
		Edge_1RB_Right	21.50	/	/	21.10	/	/	<=30	Pass
		Outer_Full	22.05	/	/	21.65	/	/	<=30	Pass
		Inner_Full	23.08	/	/	22.68	/	/	<=30	Pass
		Inner_1RB_Left	22.95	/	/	22.55	/	/	<=30	Pass
		Inner_1RB_Right	23.17	/	/	22.77	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.23	/	/	20.83	/	/	<=30	Pass
		Edge_1RB_Right	21.55	/	/	21.15	/	/	<=30	Pass
		Outer_Full	21.96	/	/	21.56	/	/	<=30	Pass
		Inner_Full	22.98	/	/	22.58	/	/	<=30	Pass
	3934.98	Inner_1RB_Left	22.96	/	/	22.56	/	/	<=30	Pass
		Inner_1RB_Right	23.08	/	/	22.68	/	/	<=30	Pass
		Edge_1RB_Left	21.46	/	/	21.06	/	/	<=30	Pass
		Edge_1RB_Right	21.09	/	/	20.69	/	/	<=30	Pass
		Outer_Full	21.91	/	/	21.51	/	/	<=30	Pass
		Inner_Full	22.94	/	/	22.54	/	/	<=30	Pass
CP-OFDM 64 QAM	3745.02	Inner_1RB_Left	23.08	/	/	22.68	/	/	<=30	Pass
		Inner_1RB_Right	22.60	/	/	22.20	/	/	<=30	Pass
		Edge_1RB_Left	21.08	/	/	20.68	/	/	<=30	Pass
		Edge_1RB_Right	21.29	/	/	20.89	/	/	<=30	Pass
		Outer_Full	21.49	/	/	21.09	/	/	<=30	Pass
		Inner_Full	21.57	/	/	21.17	/	/	<=30	Pass
	3840	Inner_1RB_Left	21.11	/	/	20.71	/	/	<=30	Pass
		Inner_1RB_Right	21.14	/	/	20.74	/	/	<=30	Pass
		Edge_1RB_Left	21.13	/	/	20.73	/	/	<=30	Pass
		Edge_1RB_Right	21.31	/	/	20.91	/	/	<=30	Pass
		Outer_Full	21.47	/	/	21.07	/	/	<=30	Pass
		Inner_Full	21.46	/	/	21.06	/	/	<=30	Pass
	3934.98	Inner_1RB_Left	21.04	/	/	20.64	/	/	<=30	Pass
		Inner_1RB_Right	21.23	/	/	20.83	/	/	<=30	Pass
		Edge_1RB_Left	21.37	/	/	20.97	/	/	<=30	Pass
		Edge_1RB_Right	20.92	/	/	20.52	/	/	<=30	Pass
		Outer_Full	21.40	/	/	21.00	/	/	<=30	Pass
		Inner_Full	21.43	/	/	21.03	/	/	<=30	Pass
CP-OFDM 256 QAM	3745.02	Inner_1RB_Left	21.38	/	/	20.98	/	/	<=30	Pass
		Inner_1RB_Right	20.90	/	/	20.50	/	/	<=30	Pass
		Edge_1RB_Left	18.48	/	/	18.08	/	/	<=30	Pass
		Edge_1RB_Right	18.74	/	/	18.34	/	/	<=30	Pass
		Outer_Full	18.48	/	/	18.08	/	/	<=30	Pass
		Inner_Full	18.43	/	/	18.03	/	/	<=30	Pass
	3840	Inner_1RB_Left	18.41	/	/	18.01	/	/	<=30	Pass
		Inner_1RB_Right	18.64	/	/	18.24	/	/	<=30	Pass
	3840	Edge_1RB_Left	18.28	/	/	17.88	/	/	<=30	Pass

		Edge_1RB_Right	18.73	/	/	18.33	/	/	<=30	Pass
		Outer_Full	18.53	/	/	18.13	/	/	<=30	Pass
		Inner_Full	18.38	/	/	17.98	/	/	<=30	Pass
		Inner_1RB_Left	18.44	/	/	18.04	/	/	<=30	Pass
		Inner_1RB_Right	18.65	/	/	18.25	/	/	<=30	Pass
	3934.98	Edge_1RB_Left	18.79	/	/	18.39	/	/	<=30	Pass
		Edge_1RB_Right	18.30	/	/	17.90	/	/	<=30	Pass
		Outer_Full	18.33	/	/	17.93	/	/	<=30	Pass
		Inner_Full	18.38	/	/	17.98	/	/	<=30	Pass
		Inner_1RB_Left	18.71	/	/	18.31	/	/	<=30	Pass
		Inner_1RB_Right	18.27	/	/	17.87	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: -0.40dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.9 30k_SISO_100MHz_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 100MHz NTNV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3750	Edge_1RB_Left	21.51	/	/	21.11	/	/	<=30	Pass
		Edge_1RB_Right	21.30	/	/	20.90	/	/	<=30	Pass
		Outer_Full	24.56	/	/	24.16	/	/	<=30	Pass
		Inner_Full	25.10	/	/	24.70	/	/	<=30	Pass
		Inner_1RB_Left	24.88	/	/	24.48	/	/	<=30	Pass
	3840	Inner_1RB_Right	24.80	/	/	24.40	/	/	<=30	Pass
		Edge_1RB_Left	21.38	/	/	20.98	/	/	<=30	Pass
		Edge_1RB_Right	21.58	/	/	21.18	/	/	<=30	Pass
		Outer_Full	24.36	/	/	23.96	/	/	<=30	Pass
		Inner_Full	25.04	/	/	24.64	/	/	<=30	Pass
	3930	Inner_1RB_Left	24.85	/	/	24.45	/	/	<=30	Pass
		Inner_1RB_Right	24.94	/	/	24.54	/	/	<=30	Pass
		Edge_1RB_Left	21.50	/	/	21.10	/	/	<=30	Pass
		Edge_1RB_Right	21.34	/	/	20.94	/	/	<=30	Pass
		Outer_Full	24.51	/	/	24.11	/	/	<=30	Pass
		Inner_Full	24.89	/	/	24.49	/	/	<=30	Pass
		Inner_1RB_Left	24.94	/	/	24.54	/	/	<=30	Pass
		Inner_1RB_Right	24.72	/	/	24.32	/	/	<=30	Pass
DFT-s-OFDM QPSK	3750	Edge_1RB_Left	21.36	/	/	20.96	/	/	<=30	Pass
		Edge_1RB_Right	21.46	/	/	21.06	/	/	<=30	Pass
		Outer_Full	24.06	/	/	23.66	/	/	<=30	Pass
		Inner_Full	25.09	/	/	24.69	/	/	<=30	Pass
		Inner_1RB_Left	25.10	/	/	24.70	/	/	<=30	Pass
	3840	Inner_1RB_Right	25.02	/	/	24.62	/	/	<=30	Pass
		Edge_1RB_Left	21.22	/	/	20.82	/	/	<=30	Pass
		Edge_1RB_Right	21.53	/	/	21.13	/	/	<=30	Pass
		Outer_Full	23.86	/	/	23.46	/	/	<=30	Pass
		Inner_Full	25.02	/	/	24.62	/	/	<=30	Pass
	3930	Inner_1RB_Left	25.05	/	/	24.65	/	/	<=30	Pass
		Inner_1RB_Right	25.09	/	/	24.69	/	/	<=30	Pass
		Edge_1RB_Left	21.42	/	/	21.02	/	/	<=30	Pass
		Edge_1RB_Right	21.21	/	/	20.81	/	/	<=30	Pass
		Outer_Full	23.98	/	/	23.58	/	/	<=30	Pass
		Inner_Full	24.99	/	/	24.59	/	/	<=30	Pass
		Inner_1RB_Left	25.09	/	/	24.69	/	/	<=30	Pass
		Inner_1RB_Right	24.83	/	/	24.43	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3750	Edge_1RB_Left	21.33	/	/	20.93	/	/	<=30	Pass
		Edge_1RB_Right	21.21	/	/	20.81	/	/	<=30	Pass
		Outer_Full	23.05	/	/	22.65	/	/	<=30	Pass

		Inner_Full	24.11	/	/	23.71	/	/	<=30	Pass
		Inner_1RB_Left	23.98	/	/	23.58	/	/	<=30	Pass
		Inner_1RB_Right	23.81	/	/	23.41	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.19	/	/	20.79	/	/	<=30	Pass
		Edge_1RB_Right	21.39	/	/	20.99	/	/	<=30	Pass
		Outer_Full	22.85	/	/	22.45	/	/	<=30	Pass
		Inner_Full	24.04	/	/	23.64	/	/	<=30	Pass
		Inner_1RB_Left	23.69	/	/	23.29	/	/	<=30	Pass
		Inner_1RB_Right	23.89	/	/	23.49	/	/	<=30	Pass
	3930	Edge_1RB_Left	21.35	/	/	20.95	/	/	<=30	Pass
		Edge_1RB_Right	21.12	/	/	20.72	/	/	<=30	Pass
		Outer_Full	23.02	/	/	22.62	/	/	<=30	Pass
		Inner_Full	24.00	/	/	23.60	/	/	<=30	Pass
		Inner_1RB_Left	23.83	/	/	23.43	/	/	<=30	Pass
		Inner_1RB_Right	23.76	/	/	23.36	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3750	Edge_1RB_Left	21.33	/	/	20.93	/	/	<=30	Pass
		Edge_1RB_Right	21.20	/	/	20.80	/	/	<=30	Pass
		Outer_Full	22.47	/	/	22.07	/	/	<=30	Pass
		Inner_Full	22.69	/	/	22.29	/	/	<=30	Pass
		Inner_1RB_Left	22.19	/	/	21.79	/	/	<=30	Pass
		Inner_1RB_Right	22.11	/	/	21.71	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.09	/	/	20.69	/	/	<=30	Pass
		Edge_1RB_Right	21.29	/	/	20.89	/	/	<=30	Pass
		Outer_Full	22.51	/	/	22.11	/	/	<=30	Pass
		Inner_Full	22.40	/	/	22.00	/	/	<=30	Pass
		Inner_1RB_Left	22.24	/	/	21.84	/	/	<=30	Pass
		Inner_1RB_Right	22.37	/	/	21.97	/	/	<=30	Pass
	3930	Edge_1RB_Left	21.25	/	/	20.85	/	/	<=30	Pass
		Edge_1RB_Right	21.11	/	/	20.71	/	/	<=30	Pass
		Outer_Full	22.50	/	/	22.10	/	/	<=30	Pass
		Inner_Full	22.45	/	/	22.05	/	/	<=30	Pass
		Inner_1RB_Left	22.26	/	/	21.86	/	/	<=30	Pass
		Inner_1RB_Right	22.08	/	/	21.68	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3750	Edge_1RB_Left	20.56	/	/	20.16	/	/	<=30	Pass
		Edge_1RB_Right	20.45	/	/	20.05	/	/	<=30	Pass
		Outer_Full	20.49	/	/	20.09	/	/	<=30	Pass
		Inner_Full	20.58	/	/	20.18	/	/	<=30	Pass
		Inner_1RB_Left	20.51	/	/	20.11	/	/	<=30	Pass
		Inner_1RB_Right	20.39	/	/	19.99	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.46	/	/	20.06	/	/	<=30	Pass
		Edge_1RB_Right	20.59	/	/	20.19	/	/	<=30	Pass
		Outer_Full	20.54	/	/	20.14	/	/	<=30	Pass
		Inner_Full	20.57	/	/	20.17	/	/	<=30	Pass
		Inner_1RB_Left	20.32	/	/	19.92	/	/	<=30	Pass
		Inner_1RB_Right	20.62	/	/	20.22	/	/	<=30	Pass
	3930	Edge_1RB_Left	20.47	/	/	20.07	/	/	<=30	Pass
		Edge_1RB_Right	20.27	/	/	19.87	/	/	<=30	Pass
		Outer_Full	20.36	/	/	19.96	/	/	<=30	Pass
		Inner_Full	20.43	/	/	20.03	/	/	<=30	Pass
		Inner_1RB_Left	20.50	/	/	20.10	/	/	<=30	Pass
		Inner_1RB_Right	20.36	/	/	19.96	/	/	<=30	Pass
CP-OFDM QPSK	3750	Edge_1RB_Left	21.27	/	/	20.87	/	/	<=30	Pass
		Edge_1RB_Right	21.23	/	/	20.83	/	/	<=30	Pass
		Outer_Full	22.12	/	/	21.72	/	/	<=30	Pass
		Inner_Full	23.70	/	/	23.30	/	/	<=30	Pass
		Inner_1RB_Left	23.25	/	/	22.85	/	/	<=30	Pass
		Inner_1RB_Right	23.23	/	/	22.83	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.15	/	/	20.75	/	/	<=30	Pass
		Edge_1RB_Right	21.47	/	/	21.07	/	/	<=30	Pass

		Outer_Full	22.03	/	/	21.63	/	/	<=30	Pass
		Inner_Full	23.35	/	/	22.95	/	/	<=30	Pass
		Inner_1RB_Left	23.11	/	/	22.71	/	/	<=30	Pass
		Inner_1RB_Right	23.34	/	/	22.94	/	/	<=30	Pass
	3930	Edge_1RB_Left	21.28	/	/	20.88	/	/	<=30	Pass
		Edge_1RB_Right	21.24	/	/	20.84	/	/	<=30	Pass
		Outer_Full	22.02	/	/	21.62	/	/	<=30	Pass
		Inner_Full	23.39	/	/	22.99	/	/	<=30	Pass
		Inner_1RB_Left	23.20	/	/	22.80	/	/	<=30	Pass
		Inner_1RB_Right	23.08	/	/	22.68	/	/	<=30	Pass
CP-OFDM 16 QAM	3750	Edge_1RB_Left	21.40	/	/	21.00	/	/	<=30	Pass
		Edge_1RB_Right	21.29	/	/	20.89	/	/	<=30	Pass
		Outer_Full	22.07	/	/	21.67	/	/	<=30	Pass
		Inner_Full	23.15	/	/	22.75	/	/	<=30	Pass
		Inner_1RB_Left	23.07	/	/	22.67	/	/	<=30	Pass
		Inner_1RB_Right	23.04	/	/	22.64	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.25	/	/	20.85	/	/	<=30	Pass
		Edge_1RB_Right	21.45	/	/	21.05	/	/	<=30	Pass
		Outer_Full	22.01	/	/	21.61	/	/	<=30	Pass
		Inner_Full	23.01	/	/	22.61	/	/	<=30	Pass
		Inner_1RB_Left	22.90	/	/	22.50	/	/	<=30	Pass
		Inner_1RB_Right	23.03	/	/	22.63	/	/	<=30	Pass
	3930	Edge_1RB_Left	21.36	/	/	20.96	/	/	<=30	Pass
		Edge_1RB_Right	21.19	/	/	20.79	/	/	<=30	Pass
		Outer_Full	21.91	/	/	21.51	/	/	<=30	Pass
		Inner_Full	22.91	/	/	22.51	/	/	<=30	Pass
		Inner_1RB_Left	23.08	/	/	22.68	/	/	<=30	Pass
		Inner_1RB_Right	22.69	/	/	22.29	/	/	<=30	Pass
CP-OFDM 64 QAM	3750	Edge_1RB_Left	21.20	/	/	20.80	/	/	<=30	Pass
		Edge_1RB_Right	21.12	/	/	20.72	/	/	<=30	Pass
		Outer_Full	21.53	/	/	21.13	/	/	<=30	Pass
		Inner_Full	21.60	/	/	21.20	/	/	<=30	Pass
		Inner_1RB_Left	21.18	/	/	20.78	/	/	<=30	Pass
		Inner_1RB_Right	21.15	/	/	20.75	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.93	/	/	20.53	/	/	<=30	Pass
		Edge_1RB_Right	21.33	/	/	20.93	/	/	<=30	Pass
		Outer_Full	21.53	/	/	21.13	/	/	<=30	Pass
		Inner_Full	21.54	/	/	21.14	/	/	<=30	Pass
		Inner_1RB_Left	21.09	/	/	20.69	/	/	<=30	Pass
		Inner_1RB_Right	21.31	/	/	20.91	/	/	<=30	Pass
	3930	Edge_1RB_Left	21.30	/	/	20.90	/	/	<=30	Pass
		Edge_1RB_Right	20.94	/	/	20.54	/	/	<=30	Pass
		Outer_Full	21.40	/	/	21.00	/	/	<=30	Pass
		Inner_Full	21.51	/	/	21.11	/	/	<=30	Pass
		Inner_1RB_Left	21.32	/	/	20.92	/	/	<=30	Pass
		Inner_1RB_Right	21.09	/	/	20.69	/	/	<=30	Pass
CP-OFDM 256 QAM	3750	Edge_1RB_Left	18.68	/	/	18.28	/	/	<=30	Pass
		Edge_1RB_Right	18.44	/	/	18.04	/	/	<=30	Pass
		Outer_Full	18.53	/	/	18.13	/	/	<=30	Pass
		Inner_Full	18.72	/	/	18.32	/	/	<=30	Pass
		Inner_1RB_Left	18.48	/	/	18.08	/	/	<=30	Pass
		Inner_1RB_Right	18.60	/	/	18.20	/	/	<=30	Pass
	3840	Edge_1RB_Left	18.49	/	/	18.09	/	/	<=30	Pass
		Edge_1RB_Right	18.69	/	/	18.29	/	/	<=30	Pass
		Outer_Full	18.42	/	/	18.02	/	/	<=30	Pass
		Inner_Full	18.51	/	/	18.11	/	/	<=30	Pass
		Inner_1RB_Left	18.52	/	/	18.12	/	/	<=30	Pass
		Inner_1RB_Right	18.59	/	/	18.19	/	/	<=30	Pass
	3930	Edge_1RB_Left	18.53	/	/	18.13	/	/	<=30	Pass

		Edge 1RB Right	18.37	/	/	17.97	/	/	<=30	Pass
		Outer Full	18.43	/	/	18.03	/	/	<=30	Pass
		Inner Full	18.49	/	/	18.09	/	/	<=30	Pass
		Inner 1RB Left	18.64	/	/	18.24	/	/	<=30	Pass
		Inner 1RB Right	18.42	/	/	18.02	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: -0.40dBi; Note2: EIRP=Conducted Power+Antenna Gain										

2. Frequency Stability

2.1 Test Result

2.1.1 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 PI/2 BPSK	3840	Outer_Full	20	LV	-12.60	-0.0033	>=-2.5 & <=2.5	Pass
				HV	-11.50	-0.0030	>=-2.5 & <=2.5	Pass
			-30	NV	-10.50	-0.0027	>=-2.5 & <=2.5	Pass
			-20	NV	-6.90	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-9.00	-0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-9.50	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-10.00	-0.0026	>=-2.5 & <=2.5	Pass
			20	NV	-11.90	-0.0031	>=-2.5 & <=2.5	Pass
			30	NV	-11.40	-0.0030	>=-2.5 & <=2.5	Pass
			40	NV	-8.40	-0.0022	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	-4.90	-0.0013	>=-2.5 & <=2.5	Pass
				HV	-5.10	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-10.20	-0.0027	>=-2.5 & <=2.5	Pass
			-20	NV	-9.30	-0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	-11.20	-0.0029	>=-2.5 & <=2.5	Pass
			0	NV	-12.10	-0.0032	>=-2.5 & <=2.5	Pass
			10	NV	-7.70	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-13.10	-0.0034	>=-2.5 & <=2.5	Pass
			30	NV	-11.40	-0.0030	>=-2.5 & <=2.5	Pass
			40	NV	-8.60	-0.0022	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-11.20	-0.0029	>=-2.5 & <=2.5	Pass
				HV	-11.20	-0.0029	>=-2.5 & <=2.5	Pass
			-30	NV	-6.60	-0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	-6.10	-0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	-6.80	-0.0018	>=-2.5 & <=2.5	Pass
			0	NV	-7.80	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-8.80	-0.0023	>=-2.5 & <=2.5	Pass
			20	NV	-5.00	-0.0013	>=-2.5 & <=2.5	Pass
			30	NV	-6.60	-0.0017	>=-2.5 & <=2.5	Pass
			40	NV	-8.60	-0.0022	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	-8.00	-0.0021	>=-2.5 & <=2.5	Pass
				HV	-10.10	-0.0026	>=-2.5 & <=2.5	Pass
			-30	NV	-13.20	-0.0034	>=-2.5 & <=2.5	Pass
			-20	NV	-10.00	-0.0026	>=-2.5 & <=2.5	Pass
			-10	NV	-10.90	-0.0028	>=-2.5 & <=2.5	Pass
			0	NV	-7.20	-0.0019	>=-2.5 & <=2.5	Pass

			10	NV	-4.30	-0.0011	>=-2.5 & <=2.5	Pass
			20	NV	-10.00	-0.0026	>=-2.5 & <=2.5	Pass
			30	NV	-7.20	-0.0019	>=-2.5 & <=2.5	Pass
			40	NV	-8.30	-0.0022	>=-2.5 & <=2.5	Pass
			50	NV	-10.50	-0.0027	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	-10.50	-0.0027	>=-2.5 & <=2.5	Pass
				HV	-4.60	-0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	-9.70	-0.0025	>=-2.5 & <=2.5	Pass
			-20	NV	-13.50	-0.0035	>=-2.5 & <=2.5	Pass
			-10	NV	-11.50	-0.0030	>=-2.5 & <=2.5	Pass
			0	NV	-12.50	-0.0033	>=-2.5 & <=2.5	Pass
			10	NV	-11.90	-0.0031	>=-2.5 & <=2.5	Pass
			20	NV	-8.90	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	-11.20	-0.0029	>=-2.5 & <=2.5	Pass
			40	NV	-6.30	-0.0016	>=-2.5 & <=2.5	Pass
			50	NV	-7.70	-0.0020	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3840	Outer_Full	20	LV	-9.40	-0.0024	>=-2.5 & <=2.5	Pass
				HV	-7.00	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-9.30	-0.0024	>=-2.5 & <=2.5	Pass
			-20	NV	-5.50	-0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	-9.30	-0.0024	>=-2.5 & <=2.5	Pass
			0	NV	-5.90	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-10.40	-0.0027	>=-2.5 & <=2.5	Pass
			20	NV	-9.90	-0.0026	>=-2.5 & <=2.5	Pass
			30	NV	-10.90	-0.0028	>=-2.5 & <=2.5	Pass
			40	NV	-9.90	-0.0026	>=-2.5 & <=2.5	Pass
			50	NV	-9.00	-0.0023	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	-16.10	-0.0042	>=-2.5 & <=2.5	Pass
				HV	-11.60	-0.0030	>=-2.5 & <=2.5	Pass
			-30	NV	-11.00	-0.0029	>=-2.5 & <=2.5	Pass
			-20	NV	-8.80	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	-11.90	-0.0031	>=-2.5 & <=2.5	Pass
			0	NV	2.70	0.0007	>=-2.5 & <=2.5	Pass
			10	NV	-11.10	-0.0029	>=-2.5 & <=2.5	Pass
			20	NV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
			30	NV	-10.50	-0.0027	>=-2.5 & <=2.5	Pass
			40	NV	-9.80	-0.0026	>=-2.5 & <=2.5	Pass
			50	NV	-11.80	-0.0031	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	-5.70	-0.0015	>=-2.5 & <=2.5	Pass
				HV	-11.70	-0.0030	>=-2.5 & <=2.5	Pass
			-30	NV	-7.10	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-11.80	-0.0031	>=-2.5 & <=2.5	Pass
			-10	NV	-8.80	-0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-12.80	-0.0033	>=-2.5 & <=2.5	Pass
			10	NV	-12.50	-0.0033	>=-2.5 & <=2.5	Pass
			20	NV	-7.70	-0.0020	>=-2.5 & <=2.5	Pass
			30	NV	-8.30	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	-7.60	-0.0020	>=-2.5 & <=2.5	Pass
			50	NV	-8.80	-0.0023	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	LV	-8.30	-0.0022	>=-2.5 & <=2.5	Pass
				HV	-7.40	-0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	-8.70	-0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	-8.70	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	-8.00	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-13.90	-0.0036	>=-2.5 & <=2.5	Pass
			10	NV	-8.50	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-8.30	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-10.20	-0.0027	>=-2.5 & <=2.5	Pass
			40	NV	-3.00	-0.0008	>=-2.5 & <=2.5	Pass

			50	NV	-7.10	-0.0018	>=-2.5 & <=2.5	Pass
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2.1.2 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 PI/2 BPSK	3840	Outer_Full	20	LV	-10.30	-0.0027	>=-2.5 & <=2.5	Pass
				HV	-7.40	-0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	-5.50	-0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-6.10	-0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	-11.50	-0.0030	>=-2.5 & <=2.5	Pass
			0	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
			10	NV	-9.80	-0.0026	>=-2.5 & <=2.5	Pass
			20	NV	-9.30	-0.0024	>=-2.5 & <=2.5	Pass
			30	NV	-10.90	-0.0028	>=-2.5 & <=2.5	Pass
			40	NV	-7.00	-0.0018	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	-10.70	-0.0028	>=-2.5 & <=2.5	Pass
				HV	-5.30	-0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-5.90	-0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	-7.70	-0.0020	>=-2.5 & <=2.5	Pass
			0	NV	-8.00	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-13.90	-0.0036	>=-2.5 & <=2.5	Pass
			20	NV	-8.70	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	-7.30	-0.0019	>=-2.5 & <=2.5	Pass
			40	NV	-4.90	-0.0013	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-16.10	-0.0042	>=-2.5 & <=2.5	Pass
				HV	-7.00	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-9.40	-0.0024	>=-2.5 & <=2.5	Pass
			-20	NV	-10.30	-0.0027	>=-2.5 & <=2.5	Pass
			-10	NV	-14.70	-0.0038	>=-2.5 & <=2.5	Pass
			0	NV	-7.10	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-9.60	-0.0025	>=-2.5 & <=2.5	Pass
			20	NV	-7.20	-0.0019	>=-2.5 & <=2.5	Pass
			30	NV	-5.70	-0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-5.80	-0.0015	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	-9.80	-0.0026	>=-2.5 & <=2.5	Pass
				HV	-6.90	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	-8.90	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	-9.90	-0.0026	>=-2.5 & <=2.5	Pass
			0	NV	-9.70	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-8.70	-0.0023	>=-2.5 & <=2.5	Pass
			20	NV	-8.20	-0.0021	>=-2.5 & <=2.5	Pass
			30	NV	-6.50	-0.0017	>=-2.5 & <=2.5	Pass
			40	NV	-6.80	-0.0018	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	-5.90	-0.0015	>=-2.5 & <=2.5	Pass
				HV	-11.30	-0.0029	>=-2.5 & <=2.5	Pass
			-30	NV	-6.00	-0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	-7.90	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	-8.90	-0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-8.80	-0.0023	>=-2.5 & <=2.5	Pass

			10	NV	-11.30	-0.0029	>=-2.5 & <=2.5	Pass
			20	NV	-6.00	-0.0016	>=-2.5 & <=2.5	Pass
			30	NV	-8.00	-0.0021	>=-2.5 & <=2.5	Pass
			40	NV	-8.10	-0.0021	>=-2.5 & <=2.5	Pass
			50	NV	-11.90	-0.0031	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3840	Outer_Full	20	LV	-5.30	-0.0014	>=-2.5 & <=2.5	Pass
				HV	-5.40	-0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-9.60	-0.0025	>=-2.5 & <=2.5	Pass
			-20	NV	-8.70	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	-8.90	-0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-9.10	-0.0024	>=-2.5 & <=2.5	Pass
			10	NV	-8.10	-0.0021	>=-2.5 & <=2.5	Pass
			20	NV	-11.50	-0.0030	>=-2.5 & <=2.5	Pass
			30	NV	-11.10	-0.0029	>=-2.5 & <=2.5	Pass
			40	NV	-8.20	-0.0021	>=-2.5 & <=2.5	Pass
			50	NV	-7.00	-0.0018	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	-8.20	-0.0021	>=-2.5 & <=2.5	Pass
				HV	-11.30	-0.0029	>=-2.5 & <=2.5	Pass
			-30	NV	-3.90	-0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	-9.40	-0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	-13.60	-0.0035	>=-2.5 & <=2.5	Pass
			0	NV	-9.20	-0.0024	>=-2.5 & <=2.5	Pass
			10	NV	-8.80	-0.0023	>=-2.5 & <=2.5	Pass
			20	NV	-7.50	-0.0020	>=-2.5 & <=2.5	Pass
			30	NV	-6.40	-0.0017	>=-2.5 & <=2.5	Pass
			40	NV	-7.10	-0.0018	>=-2.5 & <=2.5	Pass
			50	NV	-9.70	-0.0025	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	-10.00	-0.0026	>=-2.5 & <=2.5	Pass
				HV	-11.00	-0.0029	>=-2.5 & <=2.5	Pass
			-30	NV	-4.20	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-10.00	-0.0026	>=-2.5 & <=2.5	Pass
			-10	NV	-9.40	-0.0024	>=-2.5 & <=2.5	Pass
			0	NV	-11.80	-0.0031	>=-2.5 & <=2.5	Pass
			10	NV	-7.70	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-5.50	-0.0014	>=-2.5 & <=2.5	Pass
			30	NV	-9.90	-0.0026	>=-2.5 & <=2.5	Pass
			40	NV	-11.10	-0.0029	>=-2.5 & <=2.5	Pass
			50	NV	-7.90	-0.0021	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	LV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
				HV	-7.10	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-4.40	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-10.40	-0.0027	>=-2.5 & <=2.5	Pass
			-10	NV	-10.50	-0.0027	>=-2.5 & <=2.5	Pass
			0	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
			10	NV	-6.20	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-9.00	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	-7.50	-0.0020	>=-2.5 & <=2.5	Pass
			40	NV	-7.30	-0.0019	>=-2.5 & <=2.5	Pass
			50	NV	-6.70	-0.0017	>=-2.5 & <=2.5	Pass

2.1.3 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 PI/2 BPSK	3840	Outer_Full	20	LV	-9.50	-0.0025	>=-2.5 & <=2.5	Pass
				HV	-7.10	-0.0018	>=-2.5 & <=2.5	Pass

			-30	NV	-10.10	-0.0026	$>=-2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-10.50	-0.0027	$>=-2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-6.90	-0.0018	$>=-2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-4.10	-0.0011	$>=-2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-14.40	-0.0038	$>=-2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-5.50	-0.0014	$>=-2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-7.60	-0.0020	$>=-2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-8.80	-0.0023	$>=-2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	-5.00	-0.0013	$>=-2.5 \ \& \ \leq 2.5$	Pass
				HV	-4.90	-0.0013	$>=-2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-9.30	-0.0024	$>=-2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-6.50	-0.0017	$>=-2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-11.40	-0.0030	$>=-2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-4.60	-0.0012	$>=-2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-12.30	-0.0032	$>=-2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-9.30	-0.0024	$>=-2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-6.80	-0.0018	$>=-2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-11.40	-0.0030	$>=-2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-9.10	-0.0024	$>=-2.5 \ \& \ \leq 2.5$	Pass
				HV	-3.50	-0.0009	$>=-2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-7.90	-0.0021	$>=-2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-11.20	-0.0029	$>=-2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-8.10	-0.0021	$>=-2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-4.40	-0.0011	$>=-2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-11.90	-0.0031	$>=-2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-5.50	-0.0014	$>=-2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-14.60	-0.0038	$>=-2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-7.10	-0.0018	$>=-2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	-7.40	-0.0019	$>=-2.5 \ \& \ \leq 2.5$	Pass
				HV	-7.00	-0.0018	$>=-2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-5.50	-0.0014	$>=-2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-4.20	-0.0011	$>=-2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-8.00	-0.0021	$>=-2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-12.80	-0.0033	$>=-2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-10.60	-0.0028	$>=-2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-10.80	-0.0028	$>=-2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-6.50	-0.0017	$>=-2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-8.90	-0.0023	$>=-2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	-8.60	-0.0022	$>=-2.5 \ \& \ \leq 2.5$	Pass
				HV	-8.20	-0.0021	$>=-2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-12.00	-0.0031	$>=-2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-12.30	-0.0032	$>=-2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-9.10	-0.0024	$>=-2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-11.60	-0.0030	$>=-2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-12.50	-0.0033	$>=-2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-6.80	-0.0018	$>=-2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-7.80	-0.0020	$>=-2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-10.30	-0.0027	$>=-2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM QPSK	3840	Outer_Full	20	LV	-6.90	-0.0018	$>=-2.5 \ \& \ \leq 2.5$	Pass
				HV	-10.50	-0.0027	$>=-2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-7.70	-0.0020	$>=-2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-12.30	-0.0032	$>=-2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-9.30	-0.0024	$>=-2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-9.50	-0.0025	$>=-2.5 \ \& \ \leq 2.5$	Pass

			10	NV	-10.60	-0.0028	>=-2.5 & <=2.5	Pass
			20	NV	-6.90	-0.0018	>=-2.5 & <=2.5	Pass
			30	NV	-5.10	-0.0013	>=-2.5 & <=2.5	Pass
			40	NV	-13.40	-0.0035	>=-2.5 & <=2.5	Pass
			50	NV	-9.70	-0.0025	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	-10.70	-0.0028	>=-2.5 & <=2.5	Pass
				HV	-9.90	-0.0026	>=-2.5 & <=2.5	Pass
			-30	NV	-7.90	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-9.30	-0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	-10.10	-0.0026	>=-2.5 & <=2.5	Pass
			0	NV	-9.60	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-10.50	-0.0027	>=-2.5 & <=2.5	Pass
			20	NV	-8.40	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-15.40	-0.0040	>=-2.5 & <=2.5	Pass
			40	NV	-12.30	-0.0032	>=-2.5 & <=2.5	Pass
			50	NV	-7.50	-0.0020	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	-7.70	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-9.80	-0.0026	>=-2.5 & <=2.5	Pass
			-30	NV	-9.70	-0.0025	>=-2.5 & <=2.5	Pass
			-20	NV	-7.40	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-7.20	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-12.90	-0.0034	>=-2.5 & <=2.5	Pass
			10	NV	-6.30	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-10.30	-0.0027	>=-2.5 & <=2.5	Pass
			30	NV	-7.80	-0.0020	>=-2.5 & <=2.5	Pass
			40	NV	-12.30	-0.0032	>=-2.5 & <=2.5	Pass
			50	NV	-11.00	-0.0029	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	LV	-8.80	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-6.70	-0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	-7.40	-0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	-8.50	-0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	-5.50	-0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-3.30	-0.0009	>=-2.5 & <=2.5	Pass
			10	NV	-5.10	-0.0013	>=-2.5 & <=2.5	Pass
			20	NV	-3.60	-0.0009	>=-2.5 & <=2.5	Pass
			30	NV	-9.40	-0.0024	>=-2.5 & <=2.5	Pass
			40	NV	-5.80	-0.0015	>=-2.5 & <=2.5	Pass
			50	NV	-11.70	-0.0030	>=-2.5 & <=2.5	Pass

2.1.4 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 PI/2 BPSK	3840	Outer_Full	20	LV	-8.10	-0.0021	>=-2.5 & <=2.5	Pass
				HV	-2.50	-0.0007	>=-2.5 & <=2.5	Pass
			-30	NV	-5.70	-0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	-6.90	-0.0018	>=-2.5 & <=2.5	Pass
			0	NV	-11.00	-0.0029	>=-2.5 & <=2.5	Pass
			10	NV	-6.00	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-11.20	-0.0029	>=-2.5 & <=2.5	Pass
			30	NV	-5.40	-0.0014	>=-2.5 & <=2.5	Pass
			40	NV	-8.20	-0.0021	>=-2.5 & <=2.5	Pass
			50	NV	-7.90	-0.0021	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	-6.40	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-6.10	-0.0016	>=-2.5 & <=2.5	Pass

			-30	NV	-3.10	-0.0008	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-10.90	-0.0028	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-5.40	-0.0014	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-10.40	-0.0027	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-10.20	-0.0027	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-6.80	-0.0018	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-7.10	-0.0018	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-6.40	-0.0017	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-8.90	-0.0023	$\geq -2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-5.50	-0.0014	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-10.60	-0.0028	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-9.00	-0.0023	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-7.40	-0.0019	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-5.80	-0.0015	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-7.10	-0.0018	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-7.70	-0.0020	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-7.00	-0.0018	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-5.50	-0.0014	$\geq -2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	-7.00	-0.0018	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-10.90	-0.0028	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-11.40	-0.0030	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-7.10	-0.0018	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-5.30	-0.0014	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-10.50	-0.0027	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-7.80	-0.0020	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-6.30	-0.0016	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-13.80	-0.0036	$\geq -2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	-8.20	-0.0021	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-8.90	-0.0023	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-11.00	-0.0029	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-7.30	-0.0019	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-7.60	-0.0020	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-7.30	-0.0019	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-9.30	-0.0024	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-7.10	-0.0018	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-4.90	-0.0013	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM QPSK	3840	Outer_Full	20	LV	-10.00	-0.0026	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-8.50	-0.0022	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-7.80	-0.0020	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-4.50	-0.0012	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-3.90	-0.0010	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-8.80	-0.0023	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-7.80	-0.0020	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-8.00	-0.0021	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-10.70	-0.0028	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	-6.40	-0.0017	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-9.30	-0.0024	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-7.90	-0.0021	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-11.10	-0.0029	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-8.40	-0.0022	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-9.90	-0.0026	$\geq -2.5 \ \& \ \leq 2.5$	Pass

			10	NV	-9.20	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-11.00	-0.0029	>=-2.5 & <=2.5	Pass
			30	NV	-12.90	-0.0034	>=-2.5 & <=2.5	Pass
			40	NV	-9.40	-0.0024	>=-2.5 & <=2.5	Pass
			50	NV	-7.30	-0.0019	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	-9.50	-0.0025	>=-2.5 & <=2.5	Pass
				HV	-10.00	-0.0026	>=-2.5 & <=2.5	Pass
			-30	NV	-5.90	-0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	-7.20	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-15.30	-0.0040	>=-2.5 & <=2.5	Pass
			0	NV	-9.20	-0.0024	>=-2.5 & <=2.5	Pass
			10	NV	-7.10	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-10.80	-0.0028	>=-2.5 & <=2.5	Pass
			30	NV	-7.20	-0.0019	>=-2.5 & <=2.5	Pass
			40	NV	-5.00	-0.0013	>=-2.5 & <=2.5	Pass
			50	NV	-8.70	-0.0023	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	LV	-7.20	-0.0019	>=-2.5 & <=2.5	Pass
				HV	-8.00	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-7.30	-0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	-13.30	-0.0035	>=-2.5 & <=2.5	Pass
			-10	NV	-6.40	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-7.30	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-4.90	-0.0013	>=-2.5 & <=2.5	Pass
			20	NV	-17.60	-0.0046	>=-2.5 & <=2.5	Pass
			30	NV	-8.20	-0.0021	>=-2.5 & <=2.5	Pass
			40	NV	-9.80	-0.0026	>=-2.5 & <=2.5	Pass
			50	NV	-5.40	-0.0014	>=-2.5 & <=2.5	Pass

2.1.5 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 PI/2 BPSK	3840	Outer_Full	20	LV	-10.30	-0.0027	>=-2.5 & <=2.5	Pass
				HV	-9.20	-0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	-9.30	-0.0024	>=-2.5 & <=2.5	Pass
			-20	NV	-13.00	-0.0034	>=-2.5 & <=2.5	Pass
			-10	NV	-8.60	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-10.90	-0.0028	>=-2.5 & <=2.5	Pass
			10	NV	-10.70	-0.0028	>=-2.5 & <=2.5	Pass
			20	NV	-11.40	-0.0030	>=-2.5 & <=2.5	Pass
			30	NV	-9.50	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-11.80	-0.0031	>=-2.5 & <=2.5	Pass
			50	NV	-7.20	-0.0019	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	-11.40	-0.0030	>=-2.5 & <=2.5	Pass
				HV	-10.20	-0.0027	>=-2.5 & <=2.5	Pass
			-30	NV	-11.10	-0.0029	>=-2.5 & <=2.5	Pass
			-20	NV	-9.20	-0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	-12.60	-0.0033	>=-2.5 & <=2.5	Pass
			0	NV	-4.50	-0.0012	>=-2.5 & <=2.5	Pass
			10	NV	-12.50	-0.0033	>=-2.5 & <=2.5	Pass
			20	NV	-8.80	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	-4.90	-0.0013	>=-2.5 & <=2.5	Pass
			40	NV	-8.00	-0.0021	>=-2.5 & <=2.5	Pass
			50	NV	-10.40	-0.0027	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-8.60	-0.0022	>=-2.5 & <=2.5	Pass
				HV	-8.80	-0.0023	>=-2.5 & <=2.5	Pass

			-30	NV	-7.30	-0.0019	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-20	NV	-9.90	-0.0026	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-10	NV	-11.60	-0.0030	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			0	NV	3.30	0.0009	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			10	NV	-8.70	-0.0023	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			20	NV	-14.10	-0.0037	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			30	NV	-8.50	-0.0022	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			40	NV	-6.00	-0.0016	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	-7.10	-0.0018	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
				HV	-2.80	-0.0007	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-30	NV	-11.30	-0.0029	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-20	NV	-8.60	-0.0022	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-10	NV	-6.00	-0.0016	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			0	NV	-10.00	-0.0026	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			10	NV	-9.90	-0.0026	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			20	NV	-9.40	-0.0024	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			30	NV	-8.10	-0.0021	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			40	NV	-7.90	-0.0021	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	-8.00	-0.0021	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
				HV	-10.20	-0.0027	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-30	NV	-6.30	-0.0016	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-20	NV	-10.30	-0.0027	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-10	NV	-11.70	-0.0030	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			0	NV	-4.90	-0.0013	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			10	NV	-7.80	-0.0020	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			20	NV	-5.80	-0.0015	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			30	NV	-7.00	-0.0018	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			40	NV	-8.10	-0.0021	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
CP-OFDM QPSK	3840	Outer_Full	20	LV	-8.20	-0.0021	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
				HV	-9.50	-0.0025	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-30	NV	-8.30	-0.0022	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-20	NV	-7.90	-0.0021	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-10	NV	-7.90	-0.0021	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			0	NV	-5.50	-0.0014	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			10	NV	-7.00	-0.0018	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			20	NV	-9.80	-0.0026	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			30	NV	-12.00	-0.0031	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			40	NV	-7.30	-0.0019	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	-6.10	-0.0016	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
				HV	-6.70	-0.0017	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-30	NV	-7.80	-0.0020	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-20	NV	-8.60	-0.0022	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-10	NV	-10.20	-0.0027	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			0	NV	-10.70	-0.0028	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			10	NV	-6.70	-0.0017	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			20	NV	-13.60	-0.0035	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			30	NV	-4.70	-0.0012	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			40	NV	-10.00	-0.0026	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	-7.20	-0.0019	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
				HV	-9.00	-0.0023	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-30	NV	-9.30	-0.0024	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-20	NV	-7.60	-0.0020	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-10	NV	-5.30	-0.0014	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			0	NV	-12.40	-0.0032	$\geq -2.5 \text{ \& } \leq 2.5$	Pass

			10	NV	-13.80	-0.0036	>=-2.5 & <=2.5	Pass
			20	NV	-9.50	-0.0025	>=-2.5 & <=2.5	Pass
			30	NV	-6.40	-0.0017	>=-2.5 & <=2.5	Pass
			40	NV	-5.10	-0.0013	>=-2.5 & <=2.5	Pass
			50	NV	-11.20	-0.0029	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	LV	-8.20	-0.0021	>=-2.5 & <=2.5	Pass
				HV	-4.30	-0.0011	>=-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	-10.30	-0.0027	>=-2.5 & <=2.5	Pass
			0	NV	-7.00	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-11.20	-0.0029	>=-2.5 & <=2.5	Pass
			20	NV	-6.60	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-9.30	-0.0024	>=-2.5 & <=2.5	Pass
			50	NV	-6.80	-0.0018	>=-2.5 & <=2.5	Pass

2.1.6 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 PI/2 BPSK	3840	Outer_Full	20	LV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass
				HV	-7.90	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-10.10	-0.0026	>=-2.5 & <=2.5	Pass
			-20	NV	-9.60	-0.0025	>=-2.5 & <=2.5	Pass
			-10	NV	-7.40	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-9.30	-0.0024	>=-2.5 & <=2.5	Pass
			10	NV	-5.90	-0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-12.30	-0.0032	>=-2.5 & <=2.5	Pass
			30	NV	-7.50	-0.0020	>=-2.5 & <=2.5	Pass
			40	NV	-7.50	-0.0020	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	-12.00	-0.0031	>=-2.5 & <=2.5	Pass
				HV	-7.20	-0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	-11.30	-0.0029	>=-2.5 & <=2.5	Pass
			-20	NV	-8.70	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	-6.30	-0.0016	>=-2.5 & <=2.5	Pass
			0	NV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
			10	NV	-9.90	-0.0026	>=-2.5 & <=2.5	Pass
			20	NV	-6.70	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-4.50	-0.0012	>=-2.5 & <=2.5	Pass
			40	NV	-8.40	-0.0022	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-3.60	-0.0009	>=-2.5 & <=2.5	Pass
				HV	-6.90	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-10.90	-0.0028	>=-2.5 & <=2.5	Pass
			-20	NV	-5.00	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-9.90	-0.0026	>=-2.5 & <=2.5	Pass
			0	NV	-5.80	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-14.00	-0.0036	>=-2.5 & <=2.5	Pass
			20	NV	-7.70	-0.0020	>=-2.5 & <=2.5	Pass
			30	NV	-6.90	-0.0018	>=-2.5 & <=2.5	Pass
			40	NV	-6.00	-0.0016	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	-9.70	-0.0025	>=-2.5 & <=2.5	Pass
				HV	-6.70	-0.0017	>=-2.5 & <=2.5	Pass

			-30	NV	-9.60	-0.0025	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-20	NV	-6.10	-0.0016	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-10	NV	-9.30	-0.0024	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			0	NV	-5.20	-0.0014	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			10	NV	-7.20	-0.0019	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			20	NV	-10.50	-0.0027	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			30	NV	-6.60	-0.0017	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			40	NV	-8.00	-0.0021	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			50	NV	-10.30	-0.0027	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	-2.60	-0.0007	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
				HV	-12.40	-0.0032	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-30	NV	-11.80	-0.0031	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-20	NV	-9.80	-0.0026	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-10	NV	-4.20	-0.0011	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			0	NV	-8.80	-0.0023	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			10	NV	-11.40	-0.0030	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			20	NV	-8.30	-0.0022	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			30	NV	-7.00	-0.0018	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
CP-OFDM QPSK	3840	Outer_Full	20	LV	-8.30	-0.0022	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
				HV	-12.50	-0.0033	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-30	NV	-7.90	-0.0021	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-20	NV	-7.00	-0.0018	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-10	NV	-5.40	-0.0014	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			0	NV	-8.00	-0.0021	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			10	NV	-10.80	-0.0028	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			20	NV	-8.00	-0.0021	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			30	NV	-9.40	-0.0024	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	-7.50	-0.0020	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
				HV	-11.30	-0.0029	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-30	NV	-8.50	-0.0022	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-20	NV	-5.20	-0.0014	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-10	NV	-10.90	-0.0028	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			0	NV	-9.50	-0.0025	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			10	NV	-10.30	-0.0027	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			20	NV	-6.70	-0.0017	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			30	NV	-7.90	-0.0021	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	-7.80	-0.0020	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
				HV	-8.90	-0.0023	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-30	NV	-8.20	-0.0021	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-20	NV	-12.20	-0.0032	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-10	NV	-10.10	-0.0026	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			0	NV	-6.00	-0.0016	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			10	NV	-7.10	-0.0018	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			20	NV	-13.90	-0.0036	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			30	NV	-8.60	-0.0022	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	LV	-9.00	-0.0023	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
				HV	-7.80	-0.0020	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-30	NV	-4.30	-0.0011	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-20	NV	-5.00	-0.0013	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-10	NV	-3.30	-0.0009	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			0	NV	-5.80	-0.0015	$\geq -2.5 \text{ \& } \leq 2.5$	Pass

			10	NV	-10.50	-0.0027	>=-2.5 & <=2.5	Pass
			20	NV	-7.30	-0.0019	>=-2.5 & <=2.5	Pass
			30	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
			40	NV	-4.40	-0.0011	>=-2.5 & <=2.5	Pass
			50	NV	-4.20	-0.0011	>=-2.5 & <=2.5	Pass

2.1.7 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 PI/2 BPSK	3840	Outer_Full	20	LV	2.60	0.0007	>=-2.5 & <=2.5	Pass
				HV	-6.20	-0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	-10.60	-0.0028	>=-2.5 & <=2.5	Pass
			-20	NV	-4.40	-0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	-5.80	-0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-13.60	-0.0035	>=-2.5 & <=2.5	Pass
			10	NV	-11.50	-0.0030	>=-2.5 & <=2.5	Pass
			20	NV	-6.00	-0.0016	>=-2.5 & <=2.5	Pass
			30	NV	2.20	0.0006	>=-2.5 & <=2.5	Pass
			40	NV	-9.00	-0.0023	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	-11.30	-0.0029	>=-2.5 & <=2.5	Pass
				HV	-8.90	-0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	-8.90	-0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	-6.90	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-16.50	-0.0043	>=-2.5 & <=2.5	Pass
			0	NV	-8.30	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	-3.60	-0.0009	>=-2.5 & <=2.5	Pass
			20	NV	-9.10	-0.0024	>=-2.5 & <=2.5	Pass
			30	NV	-15.00	-0.0039	>=-2.5 & <=2.5	Pass
			40	NV	-6.40	-0.0017	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-13.20	-0.0034	>=-2.5 & <=2.5	Pass
				HV	-7.60	-0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	-11.30	-0.0029	>=-2.5 & <=2.5	Pass
			-20	NV	-11.00	-0.0029	>=-2.5 & <=2.5	Pass
			-10	NV	-11.70	-0.0030	>=-2.5 & <=2.5	Pass
			0	NV	-11.90	-0.0031	>=-2.5 & <=2.5	Pass
			10	NV	-10.10	-0.0026	>=-2.5 & <=2.5	Pass
			20	NV	-10.10	-0.0026	>=-2.5 & <=2.5	Pass
			30	NV	-6.70	-0.0017	>=-2.5 & <=2.5	Pass
			40	NV	-6.30	-0.0016	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	-6.70	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-8.60	-0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	-8.30	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-5.30	-0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	-13.80	-0.0036	>=-2.5 & <=2.5	Pass
			0	NV	-10.10	-0.0026	>=-2.5 & <=2.5	Pass
			10	NV	-5.90	-0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-4.40	-0.0011	>=-2.5 & <=2.5	Pass
			30	NV	-9.30	-0.0024	>=-2.5 & <=2.5	Pass
			40	NV	-9.70	-0.0025	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	NV	-9.00	-0.0023	>=-2.5 & <=2.5	Pass
				LV	-7.80	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-6.60	-0.0017	>=-2.5 & <=2.5	Pass

			-30	NV	-4.10	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-10.10	-0.0026	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-7.40	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-9.30	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-7.60	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-8.50	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-8.20	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-12.60	-0.0033	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-8.90	-0.0023	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	3840	Outer_Full	20	LV	-8.80	-0.0023	≥ -2.5 & ≤ 2.5	Pass
				HV	-7.40	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-7.80	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-8.60	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-14.10	-0.0037	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-4.70	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-10.40	-0.0027	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-8.60	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-12.50	-0.0033	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	-3.80	-0.0010	≥ -2.5 & ≤ 2.5	Pass
				HV	-7.50	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-13.70	-0.0036	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-11.50	-0.0030	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-6.10	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-7.10	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-8.10	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-5.00	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-5.70	-0.0015	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	-10.90	-0.0028	≥ -2.5 & ≤ 2.5	Pass
				HV	-9.00	-0.0023	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-5.70	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-8.40	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-7.70	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-8.10	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-11.90	-0.0031	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-7.30	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-10.40	-0.0027	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	LV	-2.80	-0.0007	≥ -2.5 & ≤ 2.5	Pass
				HV	-8.60	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-7.60	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-12.10	-0.0032	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-6.80	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-7.40	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-9.30	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-7.60	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-9.20	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-9.40	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-12.40	-0.0032	≥ -2.5 & ≤ 2.5	Pass

2.1.8 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 PI/2 BPSK	3840	Outer_Full	20	LV	-9.90	-0.0026	>=-2.5 & <=2.5	Pass
				HV	-6.10	-0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	-8.20	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-7.80	-0.0020	>=-2.5 & <=2.5	Pass
			-10	NV	-5.40	-0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-10.40	-0.0027	>=-2.5 & <=2.5	Pass
			10	NV	-6.30	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-9.50	-0.0025	>=-2.5 & <=2.5	Pass
			30	NV	-11.70	-0.0030	>=-2.5 & <=2.5	Pass
			40	NV	-6.20	-0.0016	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	-6.90	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-7.00	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-7.60	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-8.70	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	-11.60	-0.0030	>=-2.5 & <=2.5	Pass
			0	NV	-7.70	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-14.00	-0.0036	>=-2.5 & <=2.5	Pass
			20	NV	-8.90	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	-6.50	-0.0017	>=-2.5 & <=2.5	Pass
			40	NV	-10.40	-0.0027	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-4.40	-0.0011	>=-2.5 & <=2.5	Pass
				HV	-8.10	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-6.90	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-7.40	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-3.30	-0.0009	>=-2.5 & <=2.5	Pass
			0	NV	-8.60	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	-5.40	-0.0014	>=-2.5 & <=2.5	Pass
			20	NV	-10.60	-0.0028	>=-2.5 & <=2.5	Pass
			30	NV	-10.10	-0.0026	>=-2.5 & <=2.5	Pass
			40	NV	6.20	0.0016	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	-5.30	-0.0014	>=-2.5 & <=2.5	Pass
				HV	-10.80	-0.0028	>=-2.5 & <=2.5	Pass
			-30	NV	-8.90	-0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	-7.70	-0.0020	>=-2.5 & <=2.5	Pass
			-10	NV	-6.30	-0.0016	>=-2.5 & <=2.5	Pass
			0	NV	-10.80	-0.0028	>=-2.5 & <=2.5	Pass
			10	NV	-12.00	-0.0031	>=-2.5 & <=2.5	Pass
			20	NV	-10.20	-0.0027	>=-2.5 & <=2.5	Pass
			30	NV	-11.40	-0.0030	>=-2.5 & <=2.5	Pass
			40	NV	-8.00	-0.0021	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	-7.20	-0.0019	>=-2.5 & <=2.5	Pass
				HV	-10.10	-0.0026	>=-2.5 & <=2.5	Pass
			-30	NV	-2.70	-0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	-10.40	-0.0027	>=-2.5 & <=2.5	Pass
			-10	NV	-10.50	-0.0027	>=-2.5 & <=2.5	Pass
			0	NV	-13.40	-0.0035	>=-2.5 & <=2.5	Pass
			10	NV	-11.20	-0.0029	>=-2.5 & <=2.5	Pass
			20	NV	-6.60	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-8.80	-0.0023	>=-2.5 & <=2.5	Pass
			40	NV	-7.70	-0.0020	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3840	Outer_Full	20	NV	-10.50	-0.0027	>=-2.5 & <=2.5	Pass
				LV	-9.90	-0.0026	>=-2.5 & <=2.5	Pass
				HV	-10.40	-0.0027	>=-2.5 & <=2.5	Pass

			-30	NV	-13.00	-0.0034	>=-2.5 & <=2.5	Pass
			-20	NV	-9.10	-0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	-9.20	-0.0024	>=-2.5 & <=2.5	Pass
			0	NV	-8.60	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	-3.90	-0.0010	>=-2.5 & <=2.5	Pass
			20	NV	-10.40	-0.0027	>=-2.5 & <=2.5	Pass
			30	NV	-5.40	-0.0014	>=-2.5 & <=2.5	Pass
			40	NV	-8.90	-0.0023	>=-2.5 & <=2.5	Pass
			50	NV	-8.30	-0.0022	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	-9.70	-0.0025	>=-2.5 & <=2.5	Pass
				HV	-10.30	-0.0027	>=-2.5 & <=2.5	Pass
			-30	NV	-9.10	-0.0024	>=-2.5 & <=2.5	Pass
			-20	NV	-7.00	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-9.70	-0.0025	>=-2.5 & <=2.5	Pass
			0	NV	-8.80	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-9.80	-0.0026	>=-2.5 & <=2.5	Pass
			20	NV	-8.70	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	-8.20	-0.0021	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	40	NV	-6.10	-0.0016	>=-2.5 & <=2.5	Pass
			50	NV	-7.90	-0.0021	>=-2.5 & <=2.5	Pass
			20	LV	-7.60	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-7.60	-0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	-10.30	-0.0027	>=-2.5 & <=2.5	Pass
			-20	NV	-14.40	-0.0038	>=-2.5 & <=2.5	Pass
			-10	NV	-8.90	-0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-9.30	-0.0024	>=-2.5 & <=2.5	Pass
			10	NV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	NV	-9.60	-0.0025	>=-2.5 & <=2.5	Pass
			30	NV	-5.70	-0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-10.10	-0.0026	>=-2.5 & <=2.5	Pass
			50	NV	-7.80	-0.0020	>=-2.5 & <=2.5	Pass
			20	LV	-11.00	-0.0029	>=-2.5 & <=2.5	Pass
				HV	-6.50	-0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	-7.90	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	1.50	0.0004	>=-2.5 & <=2.5	Pass
			-10	NV	-4.40	-0.0011	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	0	NV	-11.70	-0.0030	>=-2.5 & <=2.5	Pass
			10	NV	-8.70	-0.0023	>=-2.5 & <=2.5	Pass
			20	NV	-3.70	-0.0010	>=-2.5 & <=2.5	Pass
			30	NV	-6.50	-0.0017	>=-2.5 & <=2.5	Pass
			40	NV	-9.30	-0.0024	>=-2.5 & <=2.5	Pass
			50	NV	-4.90	-0.0013	>=-2.5 & <=2.5	Pass

2.1.9 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 PI/2 BPSK	3840	Outer_Full	20	LV	-6.40	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-13.30	-0.0035	>=-2.5 & <=2.5	Pass
			-30	NV	-7.00	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-6.20	-0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	-7.40	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-1.70	-0.0004	>=-2.5 & <=2.5	Pass
			10	NV	-5.50	-0.0014	>=-2.5 & <=2.5	Pass
			20	NV	-10.70	-0.0028	>=-2.5 & <=2.5	Pass
			30	NV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass

			40	NV	-8.40	-0.0022	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	3.20	0.0008	$\geq -2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	-8.40	-0.0022	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-4.30	-0.0011	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-4.30	-0.0011	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-7.20	-0.0019	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-4.90	-0.0013	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-10.50	-0.0027	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-9.40	-0.0024	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-11.20	-0.0029	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-5.70	-0.0015	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-4.30	-0.0011	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-4.40	-0.0011	$\geq -2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-8.80	-0.0023	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-8.90	-0.0023	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-9.00	-0.0023	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-7.30	-0.0019	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-10.30	-0.0027	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-5.50	-0.0014	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-7.90	-0.0021	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-11.40	-0.0030	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-6.00	-0.0016	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-7.00	-0.0018	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-9.20	-0.0024	$\geq -2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	-8.10	-0.0021	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-8.80	-0.0023	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-9.20	-0.0024	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-12.30	-0.0032	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-7.70	-0.0020	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-7.80	-0.0020	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-5.50	-0.0014	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-6.00	-0.0016	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-9.20	-0.0024	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-2.20	-0.0006	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-6.70	-0.0017	$\geq -2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	-5.50	-0.0014	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-13.50	-0.0035	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-7.80	-0.0020	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-10.30	-0.0027	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-8.50	-0.0022	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-10.00	-0.0026	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-3.90	-0.0010	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-9.10	-0.0024	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-3.00	-0.0008	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-6.50	-0.0017	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-10.90	-0.0028	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM QPSK	3840	Outer_Full	20	LV	-6.70	-0.0017	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-7.10	-0.0018	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-9.20	-0.0024	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-5.10	-0.0013	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-13.20	-0.0034	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-8.60	-0.0022	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-7.80	-0.0020	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-8.50	-0.0022	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-7.10	-0.0018	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-6.60	-0.0017	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-4.60	-0.0012	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	-8.80	-0.0023	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-7.70	-0.0020	$\geq -2.5 \ \& \ \leq 2.5$	Pass

			-30	NV	-7.40	-0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	-7.10	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-7.50	-0.0020	>=-2.5 & <=2.5	Pass
			0	NV	-7.50	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-5.40	-0.0014	>=-2.5 & <=2.5	Pass
			20	NV	-10.10	-0.0026	>=-2.5 & <=2.5	Pass
			30	NV	-7.40	-0.0019	>=-2.5 & <=2.5	Pass
			40	NV	-8.90	-0.0023	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	-7.60	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-2.30	-0.0006	>=-2.5 & <=2.5	Pass
			-30	NV	-6.10	-0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	-5.00	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-7.30	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-11.00	-0.0029	>=-2.5 & <=2.5	Pass
			10	NV	-7.50	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-5.80	-0.0015	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	30	NV	-8.40	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	-7.50	-0.0020	>=-2.5 & <=2.5	Pass
			50	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
			20	LV	-6.40	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-7.80	-0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	-10.10	-0.0026	>=-2.5 & <=2.5	Pass
			-20	NV	-8.30	-0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	-10.70	-0.0028	>=-2.5 & <=2.5	Pass
			0	NV	-8.40	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	-7.20	-0.0019	>=-2.5 & <=2.5	Pass
			20	NV	-8.90	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	-9.50	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-10.90	-0.0028	>=-2.5 & <=2.5	Pass
			50	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 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 PI/2 BPSK	3705	Outer_Full	8.69	9.40	/	Pass
	3840	Outer_Full	8.59	9.47	/	Pass
	3975	Outer_Full	8.62	9.42	/	Pass
DFT-s-OFDM QPSK	3705	Outer_Full	8.67	9.40	/	Pass
	3840	Outer_Full	8.65	9.53	/	Pass
	3975	Outer_Full	8.66	9.34	/	Pass
DFT-s-OFDM 16 QAM	3705	Outer_Full	8.63	9.31	/	Pass
	3840	Outer_Full	8.61	9.28	/	Pass
	3975	Outer_Full	8.58	9.45	/	Pass
DFT-s-OFDM 64 QAM	3705	Outer_Full	8.66	9.28	/	Pass
	3840	Outer_Full	8.66	9.31	/	Pass
	3975	Outer_Full	8.63	9.29	/	Pass
DFT-s-OFDM 256 QAM	3705	Outer_Full	8.67	9.40	/	Pass
	3840	Outer_Full	8.64	9.39	/	Pass
	3975	Outer_Full	8.57	9.22	/	Pass

CP-OFDM QPSK	3705	Outer_Full	8.66	9.48	/	Pass
	3840	Outer_Full	8.66	9.45	/	Pass
	3975	Outer_Full	8.69	9.34	/	Pass
CP-OFDM 16 QAM	3705	Outer_Full	8.71	9.32	/	Pass
	3840	Outer_Full	8.60	9.26	/	Pass
	3975	Outer_Full	8.68	9.47	/	Pass
CP-OFDM 64 QAM	3705	Outer_Full	8.69	9.32	/	Pass
	3840	Outer_Full	8.68	9.25	/	Pass
	3975	Outer_Full	8.66	9.27	/	Pass
CP-OFDM 256 QAM	3705	Outer_Full	8.69	9.41	/	Pass
	3840	Outer_Full	8.65	9.55	/	Pass
	3975	Outer_Full	8.64	9.42	/	Pass

3.1.2 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 PI/2 BPSK	3707.52	Outer_Full	13.03	14.01	/	Pass
	3840	Outer_Full	13.08	14.06	/	Pass
	3972.48	Outer_Full	12.93	14.07	/	Pass
DFT-s-OFDM QPSK	3707.52	Outer_Full	13.03	14.02	/	Pass
	3840	Outer_Full	13.05	14.04	/	Pass
	3972.48	Outer_Full	13.01	13.98	/	Pass
DFT-s-OFDM 16 QAM	3707.52	Outer_Full	13.03	13.99	/	Pass
	3840	Outer_Full	13.04	13.98	/	Pass
	3972.48	Outer_Full	13.03	13.99	/	Pass
DFT-s-OFDM 64 QAM	3707.52	Outer_Full	13.10	13.98	/	Pass
	3840	Outer_Full	13.00	13.98	/	Pass
	3972.48	Outer_Full	13.05	13.95	/	Pass
DFT-s-OFDM 256 QAM	3707.52	Outer_Full	13.02	13.91	/	Pass
	3840	Outer_Full	13.11	13.93	/	Pass
	3972.48	Outer_Full	13.02	13.94	/	Pass
CP-OFDM QPSK	3707.52	Outer_Full	13.74	18.81	/	Pass
	3840	Outer_Full	13.73	19.59	/	Pass
	3972.48	Outer_Full	13.79	18.78	/	Pass
CP-OFDM 16 QAM	3707.52	Outer_Full	13.69	14.77	/	Pass
	3840	Outer_Full	13.67	14.67	/	Pass
	3972.48	Outer_Full	13.69	14.63	/	Pass
CP-OFDM 64 QAM	3707.52	Outer_Full	13.77	14.69	/	Pass
	3840	Outer_Full	13.70	14.78	/	Pass
	3972.48	Outer_Full	13.74	14.72	/	Pass
CP-OFDM 256 QAM	3707.52	Outer_Full	13.79	14.71	/	Pass
	3840	Outer_Full	13.72	14.61	/	Pass
	3972.48	Outer_Full	13.63	14.59	/	Pass

3.1.3 30k_SISO_20MHz_NTNV

5G NR n77a SCS=30kHz SISO 20MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3710.01	Outer_Full	18.09	19.33	/	Pass
	3840	Outer_Full	18.11	19.40	/	Pass
	3969.99	Outer_Full	18.12	19.38	/	Pass
DFT-s-OFDM QPSK	3710.01	Outer_Full	18.05	19.32	/	Pass
	3840	Outer_Full	18.03	19.41	/	Pass

DFT-s-OFDM 16 QAM	3969.99	Outer_Full	17.98	19.18	/	Pass
	3710.01	Outer_Full	18.09	19.28	/	Pass
	3840	Outer_Full	18.13	19.31	/	Pass
	3969.99	Outer_Full	18.14	19.34	/	Pass
DFT-s-OFDM 64 QAM	3710.01	Outer_Full	18.11	19.34	/	Pass
	3840	Outer_Full	18.11	19.35	/	Pass
	3969.99	Outer_Full	18.05	19.22	/	Pass
DFT-s-OFDM 256 QAM	3710.01	Outer_Full	18.11	19.27	/	Pass
	3840	Outer_Full	18.15	19.34	/	Pass
	3969.99	Outer_Full	18.08	19.17	/	Pass
CP-OFDM QPSK	3710.01	Outer_Full	18.40	19.64	/	Pass
	3840	Outer_Full	18.38	19.81	/	Pass
	3969.99	Outer_Full	18.35	19.65	/	Pass
CP-OFDM 16 QAM	3710.01	Outer_Full	18.38	19.65	/	Pass
	3840	Outer_Full	18.32	19.66	/	Pass
	3969.99	Outer_Full	18.40	19.59	/	Pass
CP-OFDM 64 QAM	3710.01	Outer_Full	18.47	19.78	/	Pass
	3840	Outer_Full	18.50	19.65	/	Pass
	3969.99	Outer_Full	18.36	19.78	/	Pass
CP-OFDM 256 QAM	3710.01	Outer_Full	18.45	19.62	/	Pass
	3840	Outer_Full	18.39	19.64	/	Pass
	3969.99	Outer_Full	18.36	19.69	/	Pass

3.1.4 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 PI/2 BPSK	3720	Outer_Full	36.15	38.67	/	Pass
	3840	Outer_Full	36.06	38.59	/	Pass
	3960	Outer_Full	36.04	38.39	/	Pass
DFT-s-OFDM QPSK	3720	Outer_Full	36.07	38.61	/	Pass
	3840	Outer_Full	36.10	38.56	/	Pass
	3960	Outer_Full	35.98	38.57	/	Pass
DFT-s-OFDM 16 QAM	3720	Outer_Full	36.08	38.74	/	Pass
	3840	Outer_Full	36.15	38.55	/	Pass
	3960	Outer_Full	36.12	38.58	/	Pass
DFT-s-OFDM 64 QAM	3720	Outer_Full	36.11	38.46	/	Pass
	3840	Outer_Full	36.08	38.59	/	Pass
	3960	Outer_Full	36.12	38.56	/	Pass
DFT-s-OFDM 256 QAM	3720	Outer_Full	36.08	38.31	/	Pass
	3840	Outer_Full	36.18	38.41	/	Pass
	3960	Outer_Full	36.15	38.54	/	Pass
CP-OFDM QPSK	3720	Outer_Full	38.20	40.83	/	Pass
	3840	Outer_Full	38.02	40.58	/	Pass
	3960	Outer_Full	38.11	40.61	/	Pass
CP-OFDM 16 QAM	3720	Outer_Full	38.16	40.76	/	Pass
	3840	Outer_Full	38.10	40.70	/	Pass
	3960	Outer_Full	38.05	40.65	/	Pass
CP-OFDM 64 QAM	3720	Outer_Full	38.31	40.72	/	Pass
	3840	Outer_Full	38.15	40.76	/	Pass
	3960	Outer_Full	38.16	40.75	/	Pass
CP-OFDM 256 QAM	3720	Outer_Full	38.03	40.47	/	Pass
	3840	Outer_Full	38.00	40.46	/	Pass
	3960	Outer_Full	38.19	40.64	/	Pass

3.1.5 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 PI/2 BPSK	3725.01	Outer_Full	46.30	49.40	/	Pass
	3840	Outer_Full	46.19	49.22	/	Pass
	3954.99	Outer_Full	46.09	49.05	/	Pass
DFT-s-OFDM QPSK	3725.01	Outer_Full	46.11	49.28	/	Pass
	3840	Outer_Full	46.10	49.33	/	Pass
	3954.99	Outer_Full	45.99	49.19	/	Pass
DFT-s-OFDM 16 QAM	3725.01	Outer_Full	46.14	49.24	/	Pass
	3840	Outer_Full	46.05	49.44	/	Pass
	3954.99	Outer_Full	46.09	49.34	/	Pass
DFT-s-OFDM 64 QAM	3725.01	Outer_Full	46.09	49.10	/	Pass
	3840	Outer_Full	46.25	49.29	/	Pass
	3954.99	Outer_Full	46.03	49.16	/	Pass
DFT-s-OFDM 256 QAM	3725.01	Outer_Full	46.11	49.41	/	Pass
	3840	Outer_Full	45.97	49.28	/	Pass
	3954.99	Outer_Full	46.07	49.20	/	Pass
CP-OFDM QPSK	3725.01	Outer_Full	47.94	51.13	/	Pass
	3840	Outer_Full	47.82	51.15	/	Pass
	3954.99	Outer_Full	47.55	50.97	/	Pass
CP-OFDM 16 QAM	3725.01	Outer_Full	47.90	51.03	/	Pass
	3840	Outer_Full	47.84	50.88	/	Pass
	3954.99	Outer_Full	47.98	51.02	/	Pass
CP-OFDM 64 QAM	3725.01	Outer_Full	48.05	51.08	/	Pass
	3840	Outer_Full	47.73	50.94	/	Pass
	3954.99	Outer_Full	47.88	51.05	/	Pass
CP-OFDM 256 QAM	3725.01	Outer_Full	47.93	50.93	/	Pass
	3840	Outer_Full	47.96	51.08	/	Pass
	3954.99	Outer_Full	47.99	50.58	/	Pass

3.1.6 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 PI/2 BPSK	3730.02	Outer_Full	58.31	62.11	/	Pass
	3840	Outer_Full	58.19	62.05	/	Pass
	3949.98	Outer_Full	58.11	61.95	/	Pass
DFT-s-OFDM QPSK	3730.02	Outer_Full	58.46	62.28	/	Pass
	3840	Outer_Full	58.20	62.09	/	Pass
	3949.98	Outer_Full	58.21	62.01	/	Pass
DFT-s-OFDM 16 QAM	3730.02	Outer_Full	58.21	62.21	/	Pass
	3840	Outer_Full	58.13	62.08	/	Pass
	3949.98	Outer_Full	58.27	62.10	/	Pass
DFT-s-OFDM 64 QAM	3730.02	Outer_Full	58.35	62.13	/	Pass
	3840	Outer_Full	58.28	61.98	/	Pass
	3949.98	Outer_Full	58.27	62.12	/	Pass
DFT-s-OFDM 256 QAM	3730.02	Outer_Full	58.13	62.22	/	Pass
	3840	Outer_Full	58.14	62.11	/	Pass
	3949.98	Outer_Full	58.21	61.87	/	Pass
CP-OFDM QPSK	3730.02	Outer_Full	57.98	61.64	/	Pass
	3840	Outer_Full	58.38	62.01	/	Pass
	3949.98	Outer_Full	58.02	61.55	/	Pass
CP-OFDM 16 QAM	3730.02	Outer_Full	58.00	61.72	/	Pass

CP-OFDM 64 QAM	3840	Outer_Full	58.16	62.11	/	Pass
	3949.98	Outer_Full	58.12	61.75	/	Pass
	3730.02	Outer_Full	58.23	62.15	/	Pass
	3840	Outer_Full	58.34	62.07	/	Pass
	3949.98	Outer_Full	58.26	61.98	/	Pass
CP-OFDM 256 QAM	3730.02	Outer_Full	57.97	61.93	/	Pass
	3840	Outer_Full	58.14	62.05	/	Pass
	3949.98	Outer_Full	58.44	61.98	/	Pass

3.1.7 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 PI/2 BPSK	3740.01	Outer_Full	77.58	82.74	/	Pass
	3840	Outer_Full	77.52	82.49	/	Pass
	3939.99	Outer_Full	77.30	82.59	/	Pass
DFT-s-OFDM QPSK	3740.01	Outer_Full	77.81	82.61	/	Pass
	3840	Outer_Full	77.75	82.54	/	Pass
	3939.99	Outer_Full	77.69	82.93	/	Pass
DFT-s-OFDM 16 QAM	3740.01	Outer_Full	77.70	82.57	/	Pass
	3840	Outer_Full	77.87	82.78	/	Pass
	3939.99	Outer_Full	77.78	82.55	/	Pass
DFT-s-OFDM 64 QAM	3740.01	Outer_Full	77.45	82.65	/	Pass
	3840	Outer_Full	77.56	82.67	/	Pass
	3939.99	Outer_Full	77.67	82.61	/	Pass
DFT-s-OFDM 256 QAM	3740.01	Outer_Full	77.75	82.35	/	Pass
	3840	Outer_Full	77.66	82.85	/	Pass
	3939.99	Outer_Full	77.50	82.26	/	Pass
CP-OFDM QPSK	3740.01	Outer_Full	77.95	83.01	/	Pass
	3840	Outer_Full	78.02	83.21	/	Pass
	3939.99	Outer_Full	77.75	83.10	/	Pass
CP-OFDM 16 QAM	3740.01	Outer_Full	77.85	83.10	/	Pass
	3840	Outer_Full	78.29	83.20	/	Pass
	3939.99	Outer_Full	77.93	83.03	/	Pass
CP-OFDM 64 QAM	3740.01	Outer_Full	78.07	83.12	/	Pass
	3840	Outer_Full	77.72	83.27	/	Pass
	3939.99	Outer_Full	77.77	83.03	/	Pass
CP-OFDM 256 QAM	3740.01	Outer_Full	77.89	82.93	/	Pass
	3840	Outer_Full	77.98	83.12	/	Pass
	3939.99	Outer_Full	77.84	82.84	/	Pass

3.1.8 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 PI/2 BPSK	3745.02	Outer_Full	87.44	92.85	/	Pass
	3840	Outer_Full	87.39	92.85	/	Pass
	3934.98	Outer_Full	87.40	92.73	/	Pass
DFT-s-OFDM QPSK	3745.02	Outer_Full	87.42	93.14	/	Pass
	3840	Outer_Full	87.52	93.14	/	Pass
	3934.98	Outer_Full	87.30	93.06	/	Pass
DFT-s-OFDM 16 QAM	3745.02	Outer_Full	87.28	93.29	/	Pass
	3840	Outer_Full	87.30	92.85	/	Pass
	3934.98	Outer_Full	86.93	93.15	/	Pass

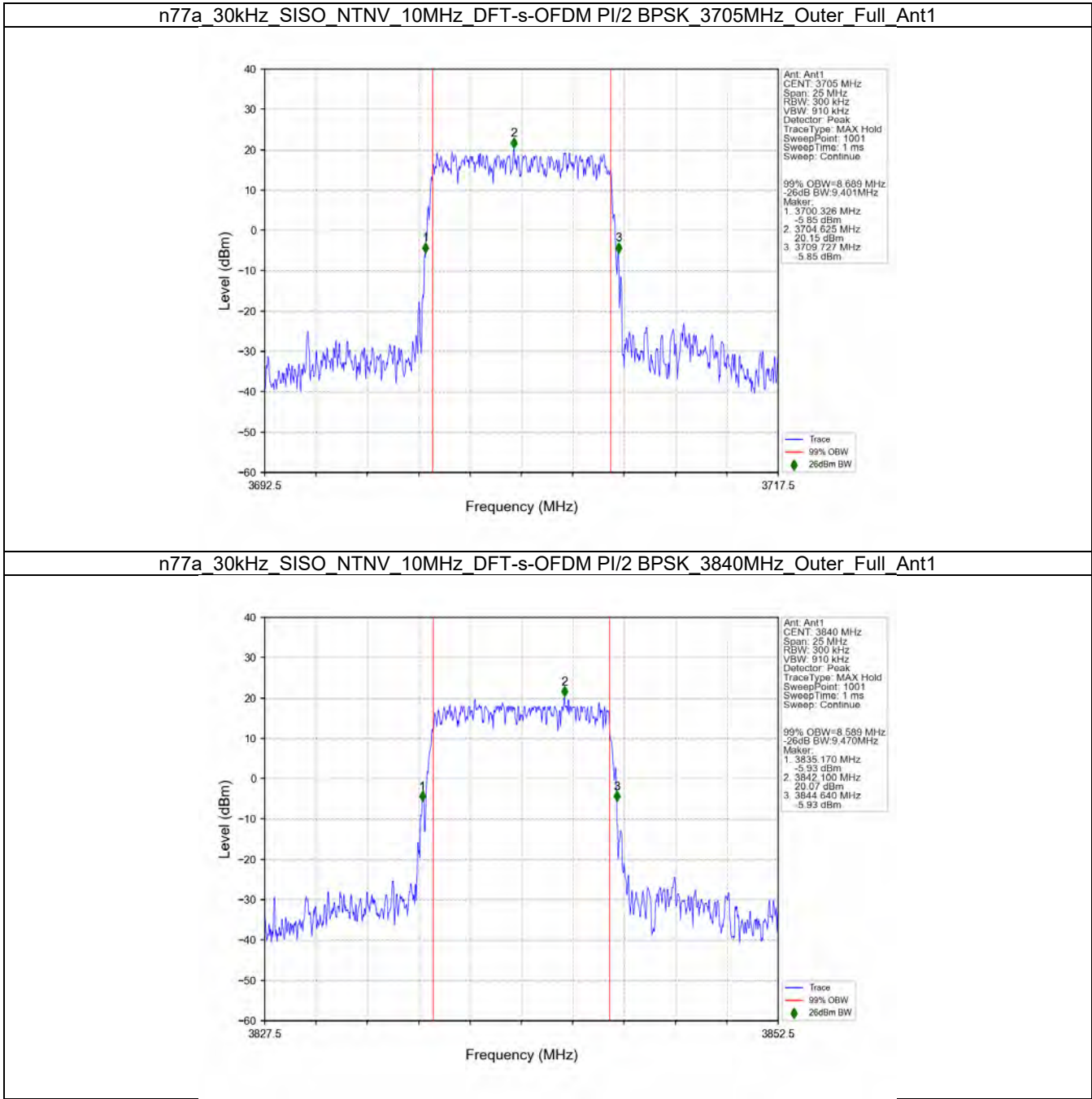
DFT-s-OFDM 64 QAM	3745.02	Outer_Full	87.23	92.88	/	Pass
	3840	Outer_Full	87.61	93.25	/	Pass
	3934.98	Outer_Full	87.23	92.55	/	Pass
DFT-s-OFDM 256 QAM	3745.02	Outer_Full	87.27	92.70	/	Pass
	3840	Outer_Full	87.30	92.95	/	Pass
	3934.98	Outer_Full	86.97	92.81	/	Pass
CP-OFDM QPSK	3745.02	Outer_Full	88.24	93.58	/	Pass
	3840	Outer_Full	88.13	93.90	/	Pass
	3934.98	Outer_Full	87.76	93.65	/	Pass
CP-OFDM 16 QAM	3745.02	Outer_Full	88.08	93.80	/	Pass
	3840	Outer_Full	88.08	93.58	/	Pass
	3934.98	Outer_Full	87.74	93.97	/	Pass
CP-OFDM 64 QAM	3745.02	Outer_Full	88.14	93.80	/	Pass
	3840	Outer_Full	88.08	94.08	/	Pass
	3934.98	Outer_Full	87.81	93.50	/	Pass
CP-OFDM 256 QAM	3745.02	Outer_Full	87.96	93.66	/	Pass
	3840	Outer_Full	87.98	93.74	/	Pass
	3934.98	Outer_Full	87.86	93.53	/	Pass

3.1.9 30k_SISO_100MHz_NTNV

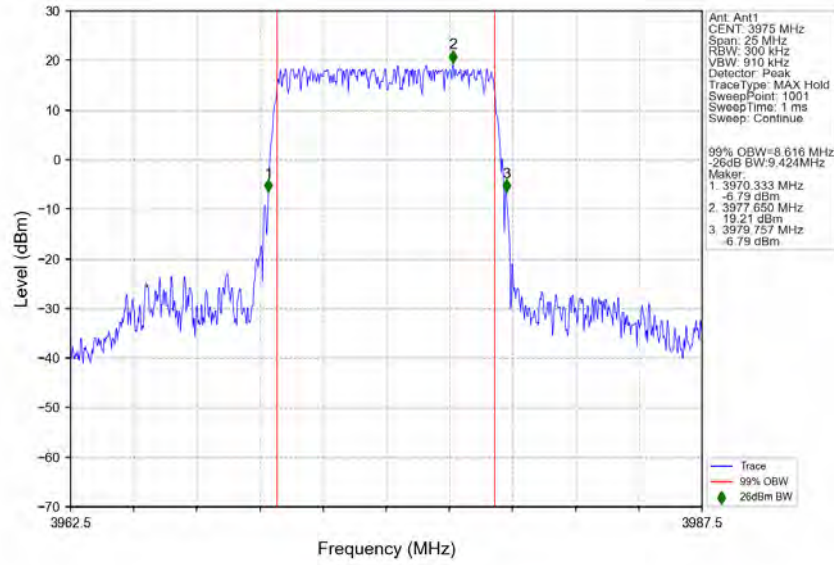
5G NR n77a SCS=30kHz SISO 100MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3750	Outer_Full	96.78	103.28	/	Pass
	3840	Outer_Full	97.06	102.80	/	Pass
	3930	Outer_Full	96.96	102.91	/	Pass
DFT-s-OFDM QPSK	3750	Outer_Full	96.82	103.40	/	Pass
	3840	Outer_Full	97.03	103.44	/	Pass
	3930	Outer_Full	97.22	103.34	/	Pass
DFT-s-OFDM 16 QAM	3750	Outer_Full	96.67	103.53	/	Pass
	3840	Outer_Full	96.84	103.36	/	Pass
	3930	Outer_Full	97.05	103.08	/	Pass
DFT-s-OFDM 64 QAM	3750	Outer_Full	97.01	103.30	/	Pass
	3840	Outer_Full	97.31	103.43	/	Pass
	3930	Outer_Full	97.29	103.28	/	Pass
DFT-s-OFDM 256 QAM	3750	Outer_Full	96.83	103.36	/	Pass
	3840	Outer_Full	97.89	103.13	/	Pass
	3930	Outer_Full	96.69	103.05	/	Pass
CP-OFDM QPSK	3750	Outer_Full	97.84	104.49	/	Pass
	3840	Outer_Full	98.37	104.41	/	Pass
	3930	Outer_Full	98.19	104.54	/	Pass
CP-OFDM 16 QAM	3750	Outer_Full	98.05	104.61	/	Pass
	3840	Outer_Full	97.99	104.41	/	Pass
	3930	Outer_Full	98.02	104.36	/	Pass
CP-OFDM 64 QAM	3750	Outer_Full	97.84	104.30	/	Pass
	3840	Outer_Full	98.16	104.38	/	Pass
	3930	Outer_Full	98.20	104.52	/	Pass
CP-OFDM 256 QAM	3750	Outer_Full	97.85	104.36	/	Pass
	3840	Outer_Full	98.03	103.83	/	Pass
	3930	Outer_Full	98.07	104.07	/	Pass

3.2 Test Graph

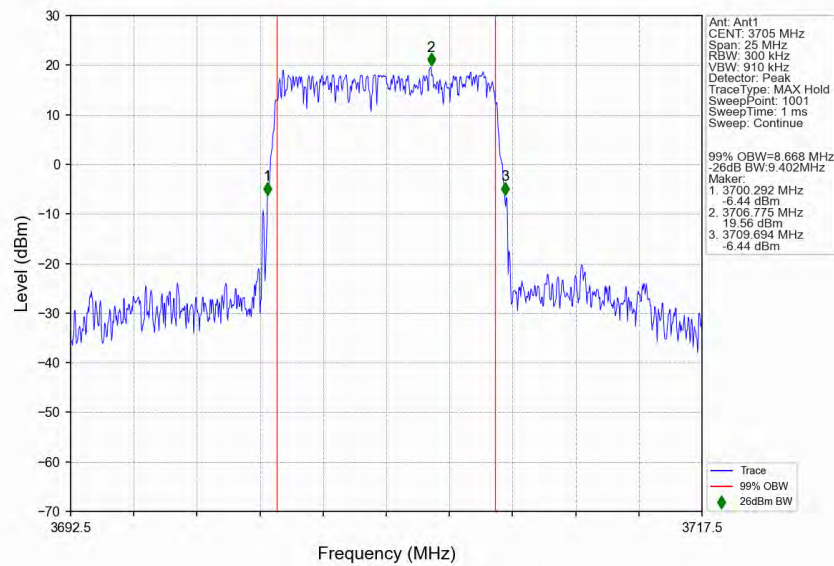
3.2.1 30k_SISO_10MHz_NTNV



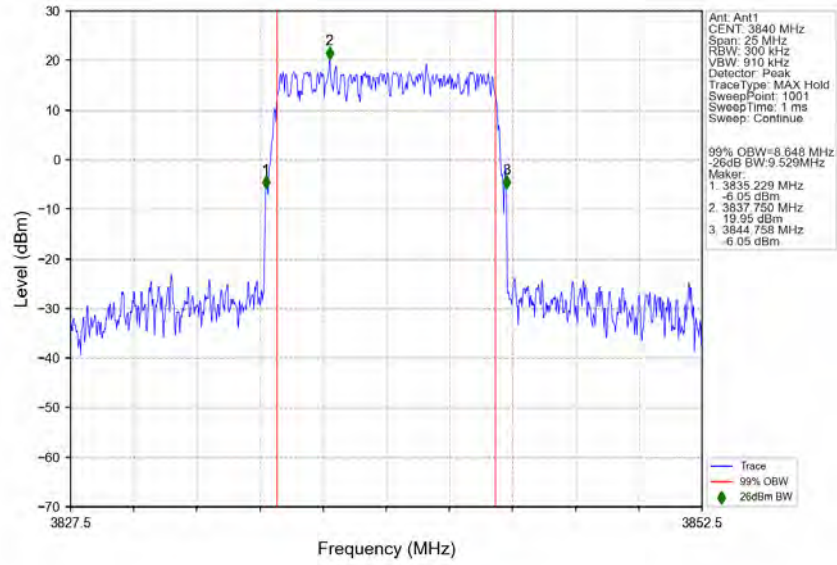
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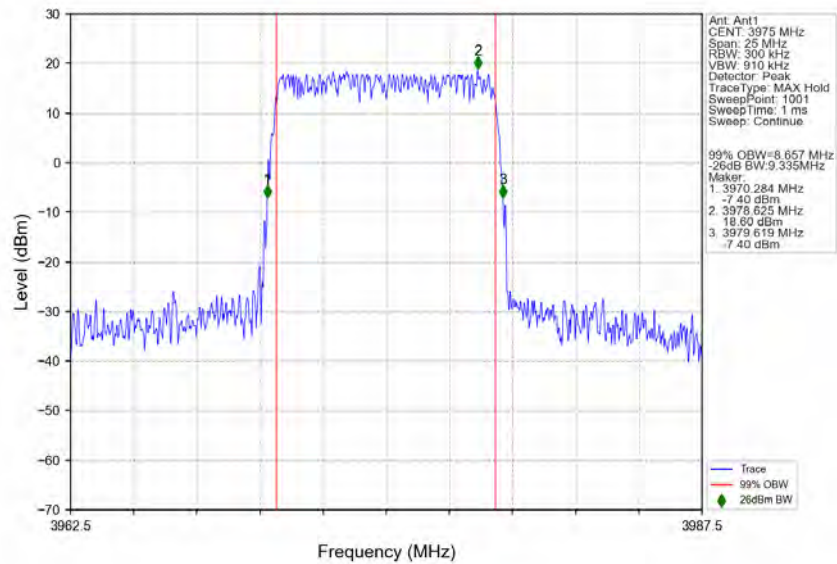
n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3705MHz_Outer_Full_Ant1



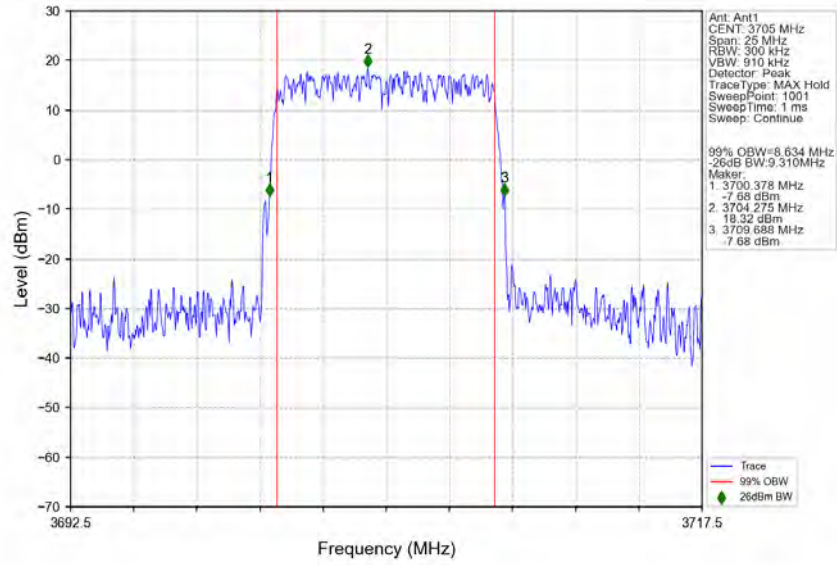
n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3840MHz_Outer_Full_Ant1



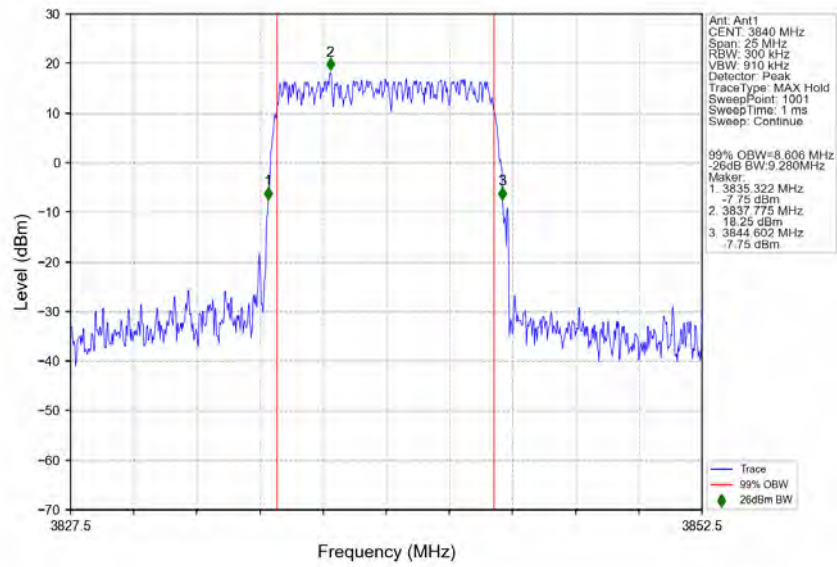
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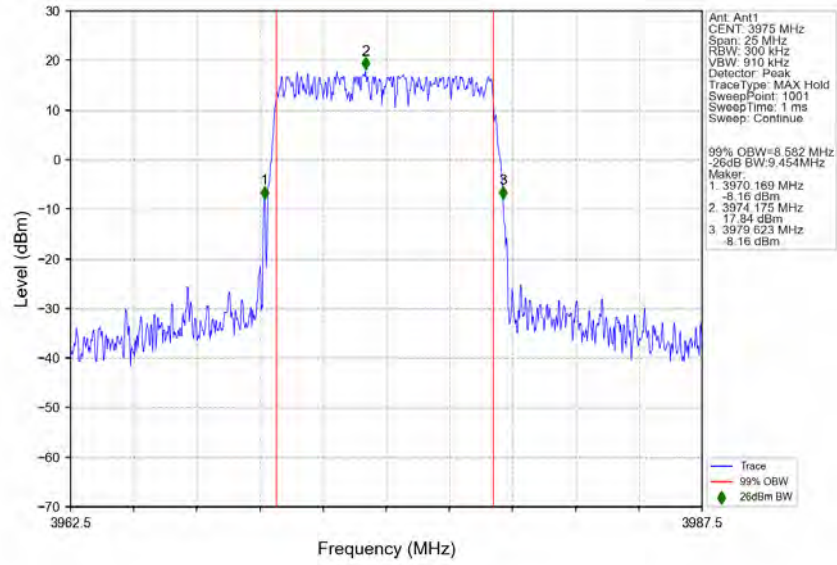
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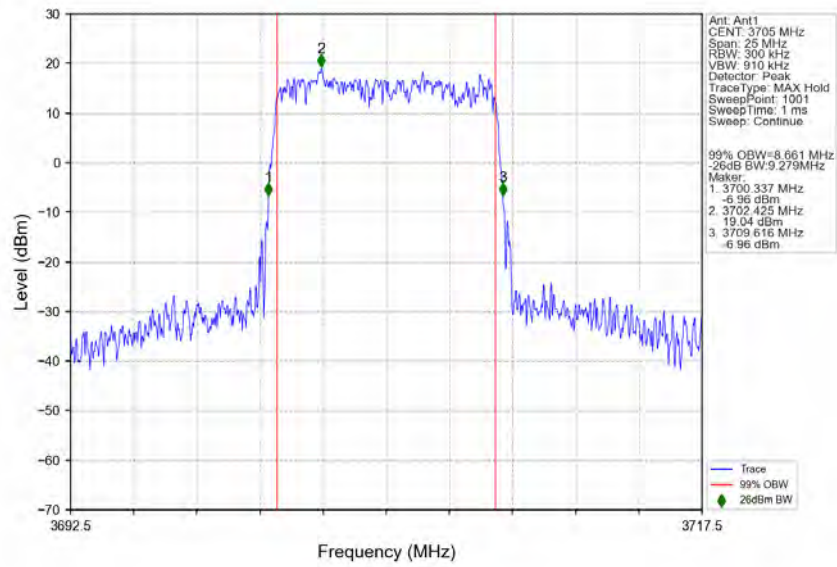
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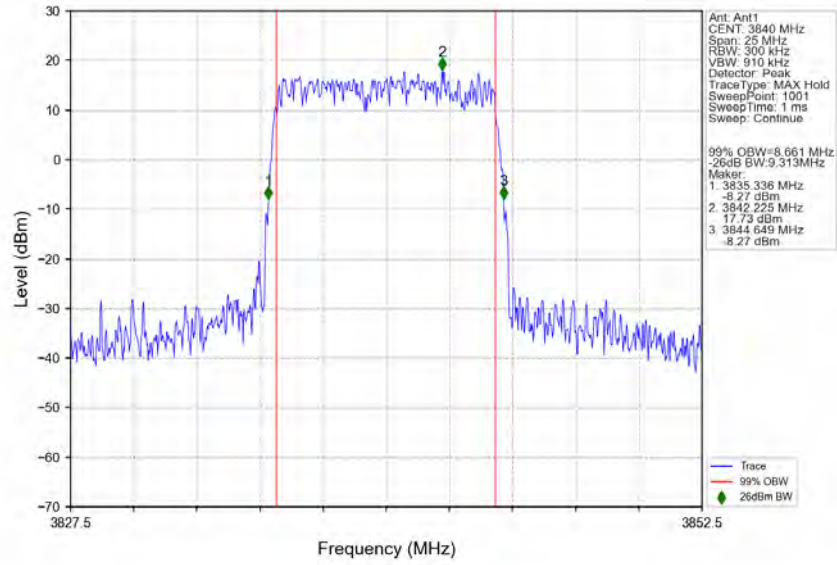
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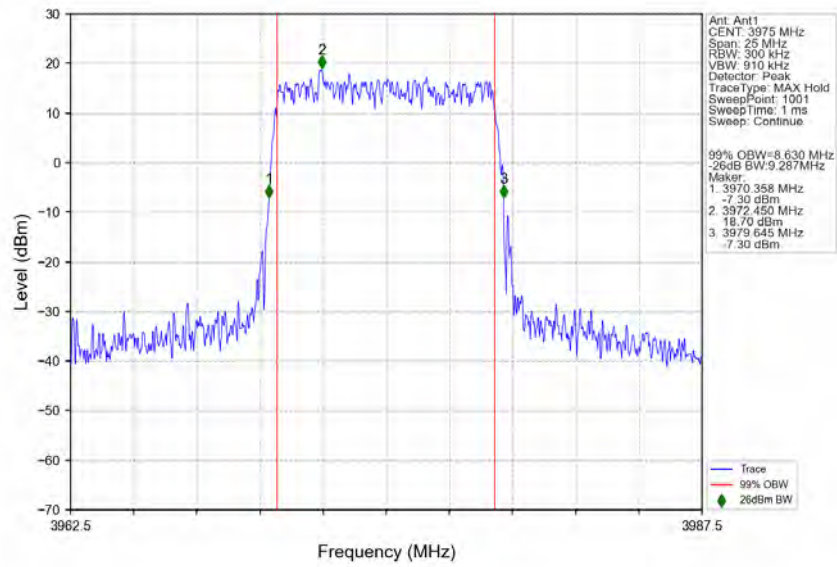
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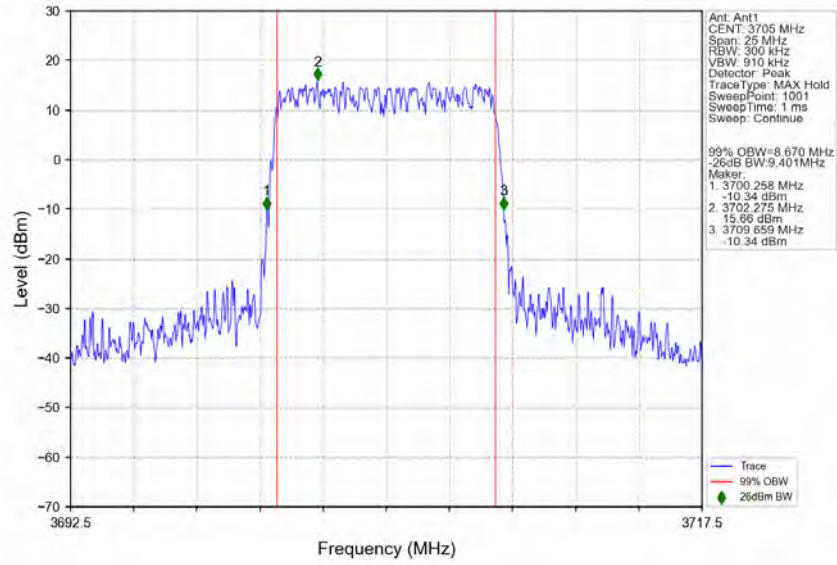
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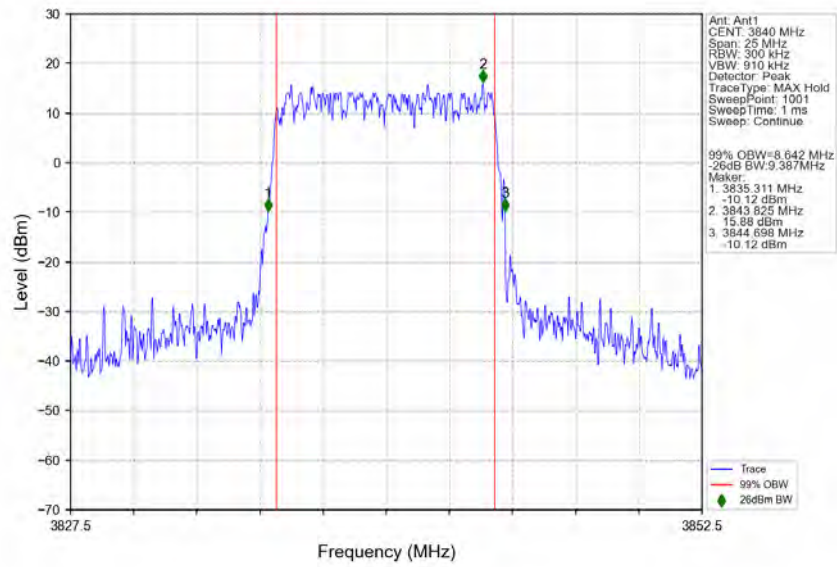
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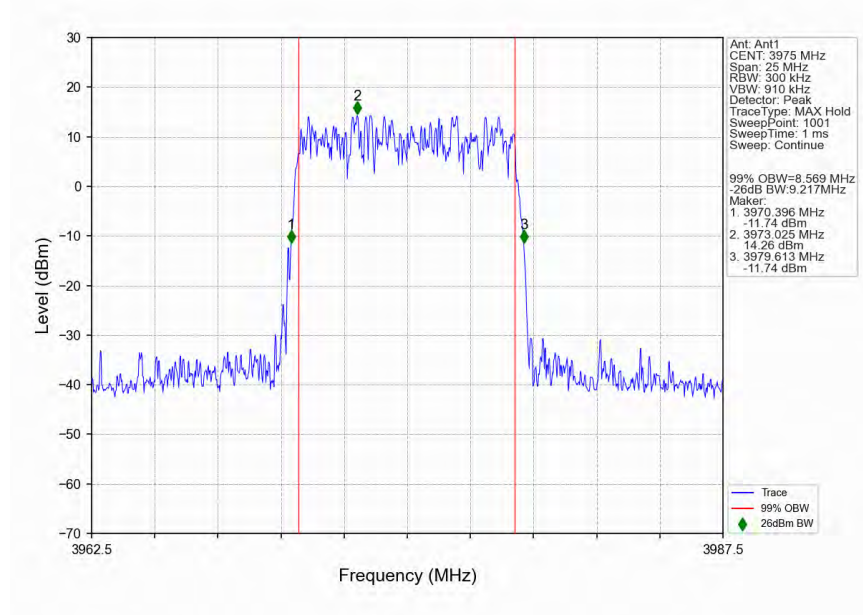
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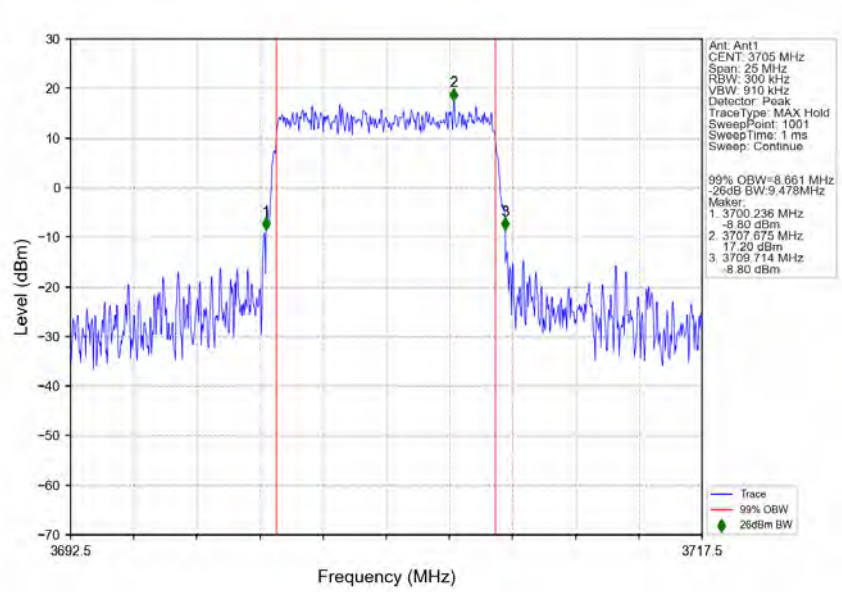
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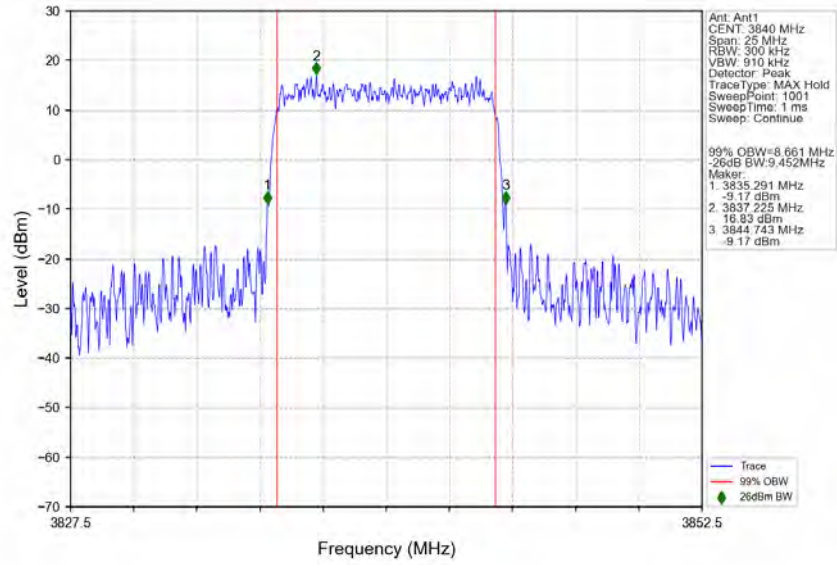
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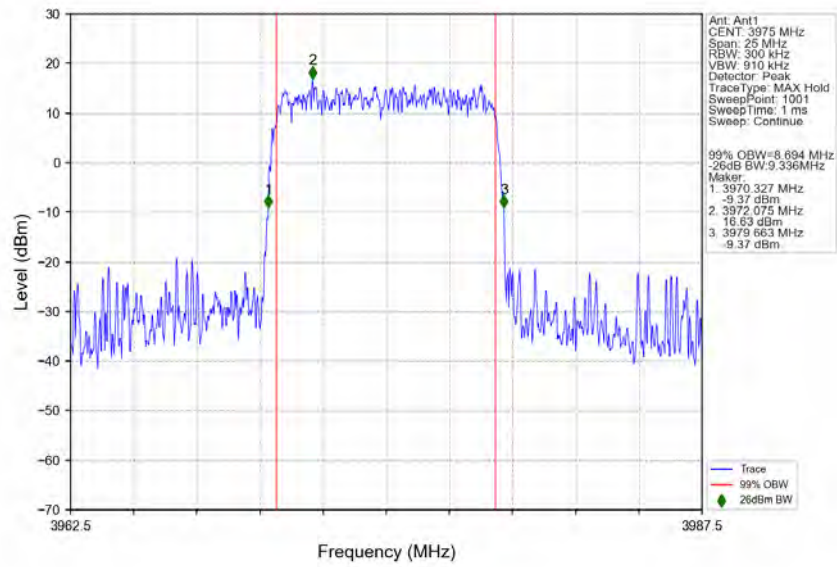
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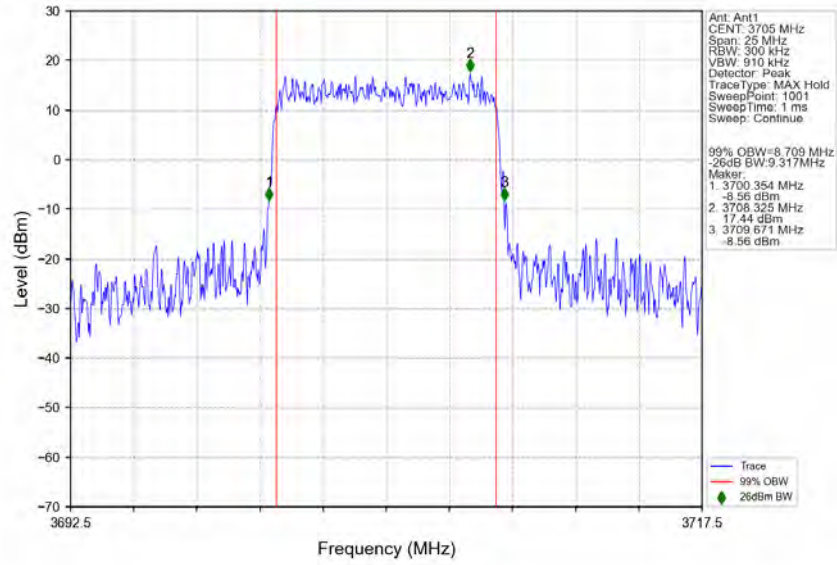
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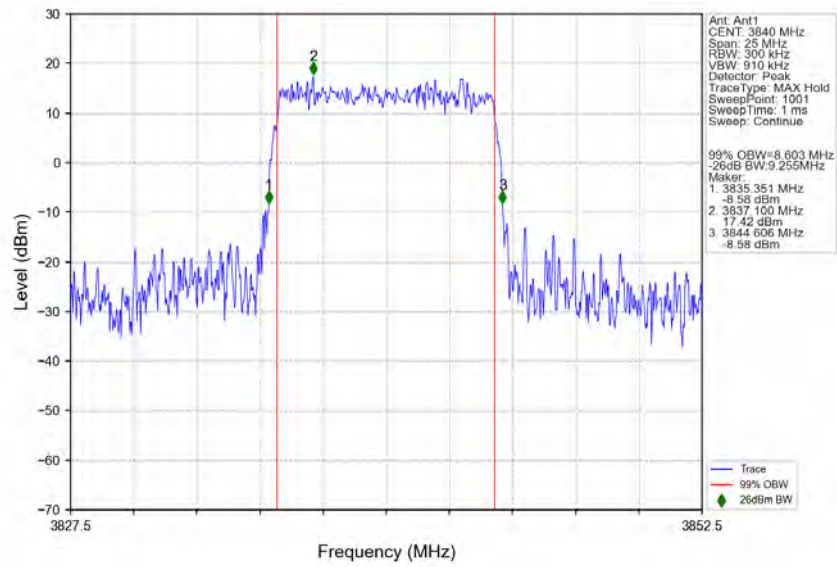
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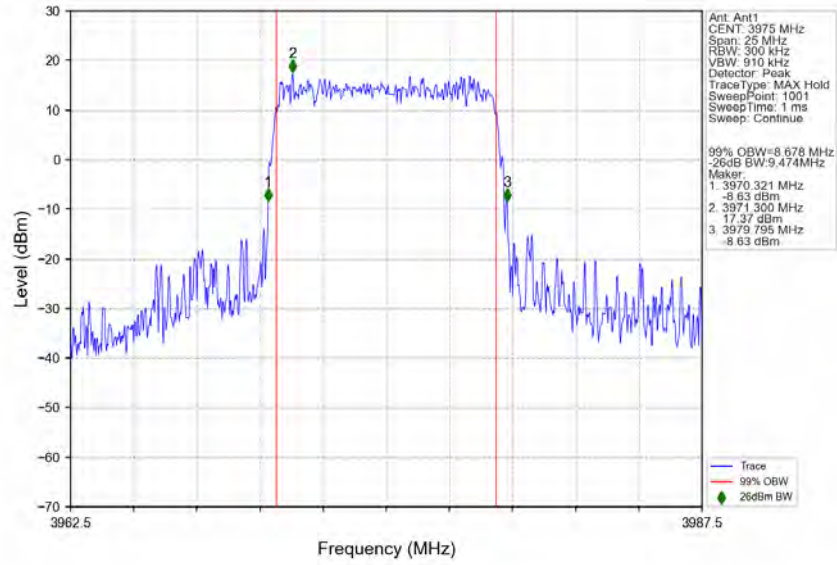
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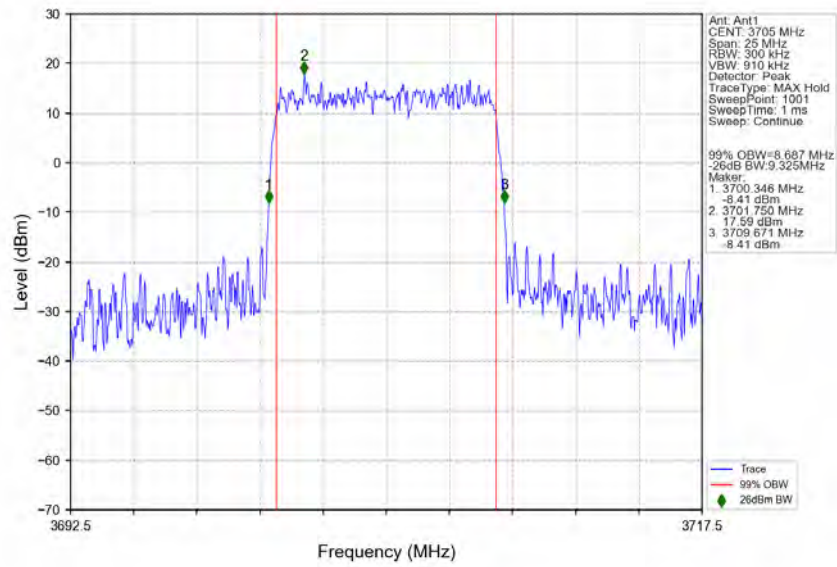
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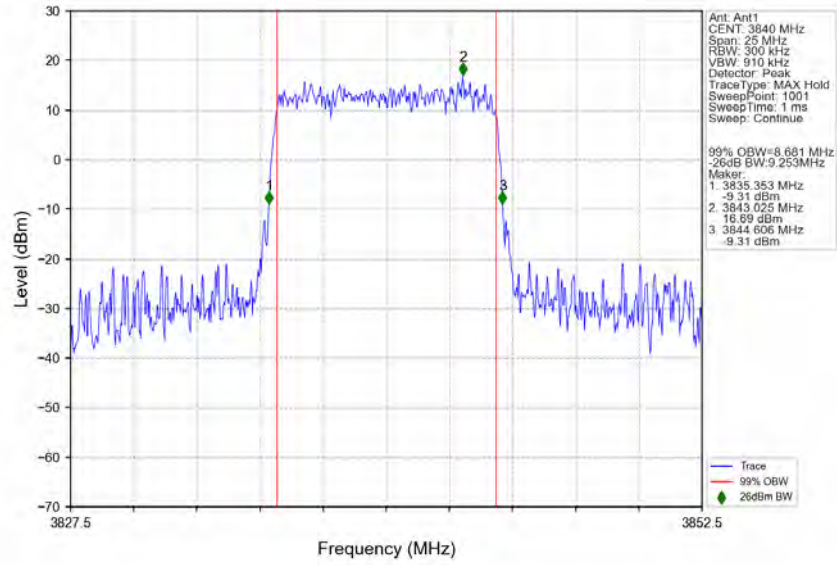
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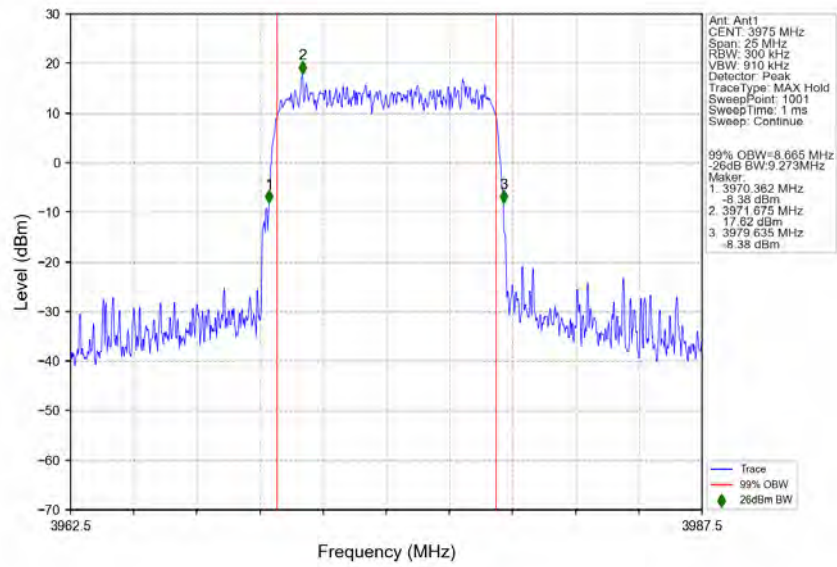
n77a_30kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM 3705MHz_Outer_Full_Ant1



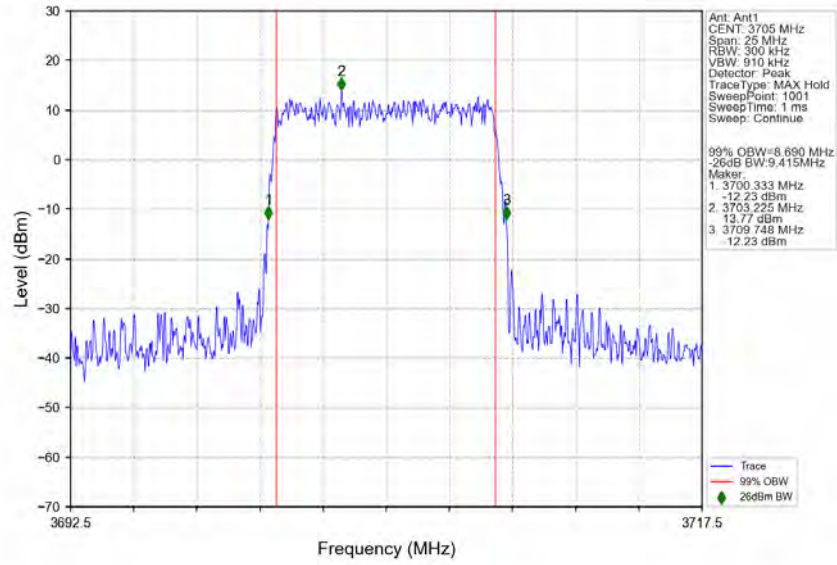
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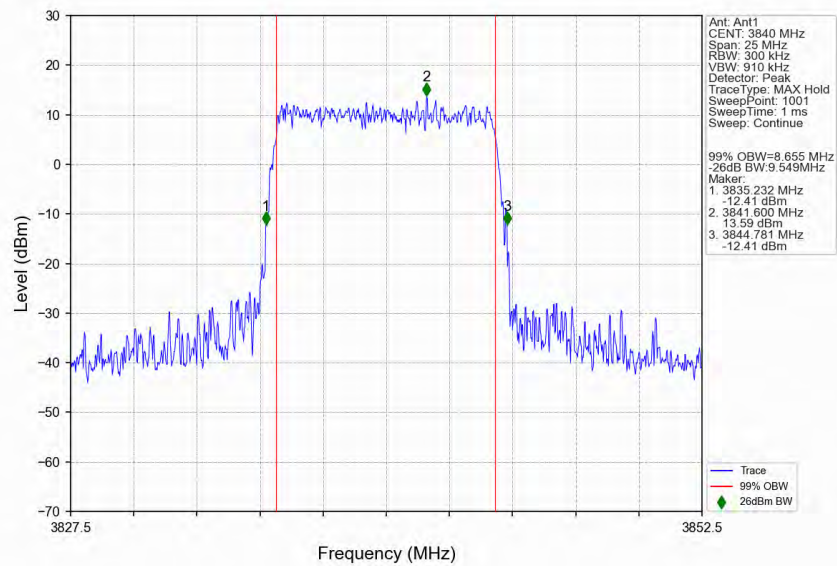
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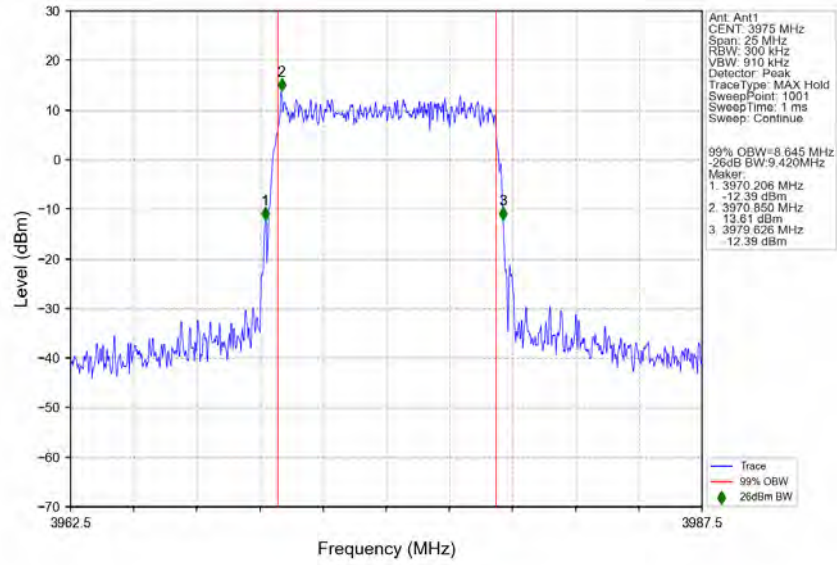
n77a_30kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_3705MHz_Outer_Full_Ant1



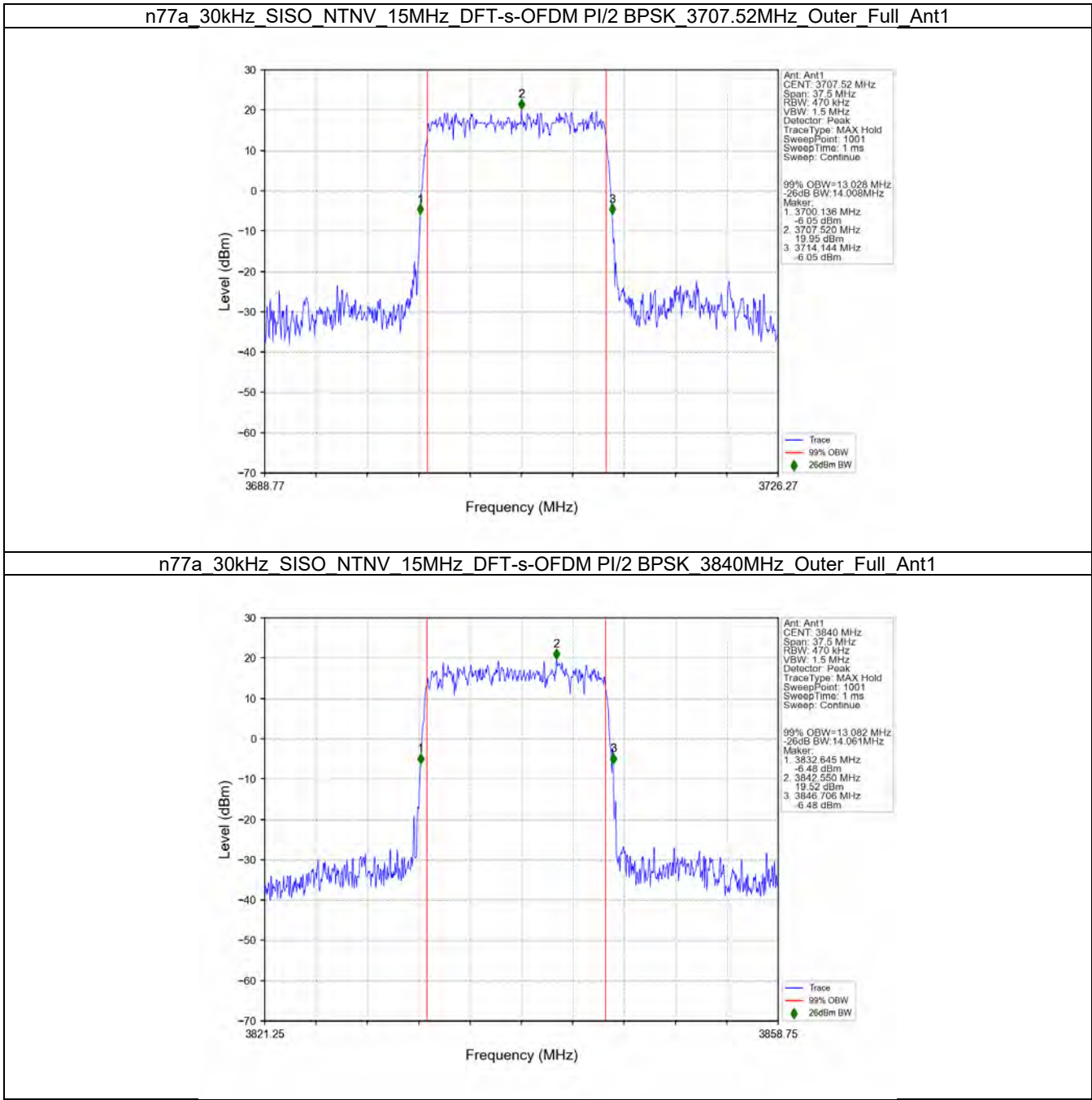
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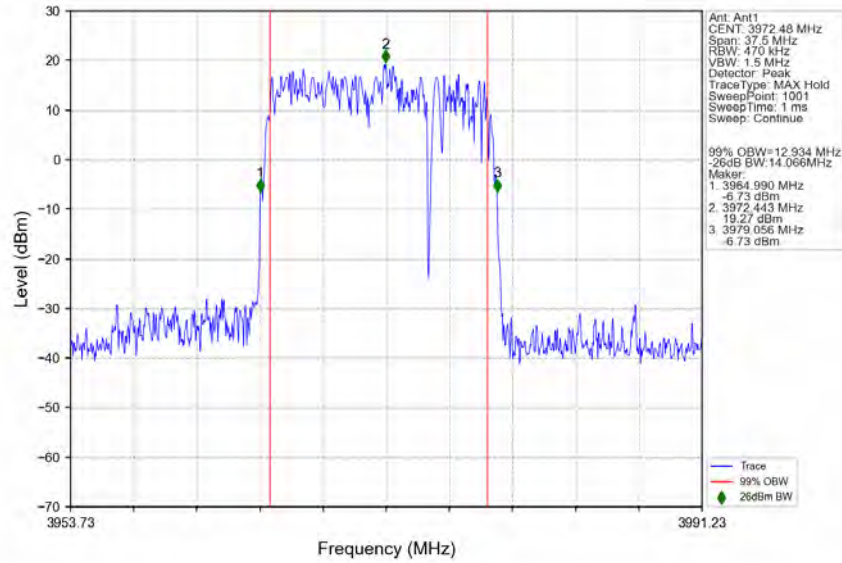
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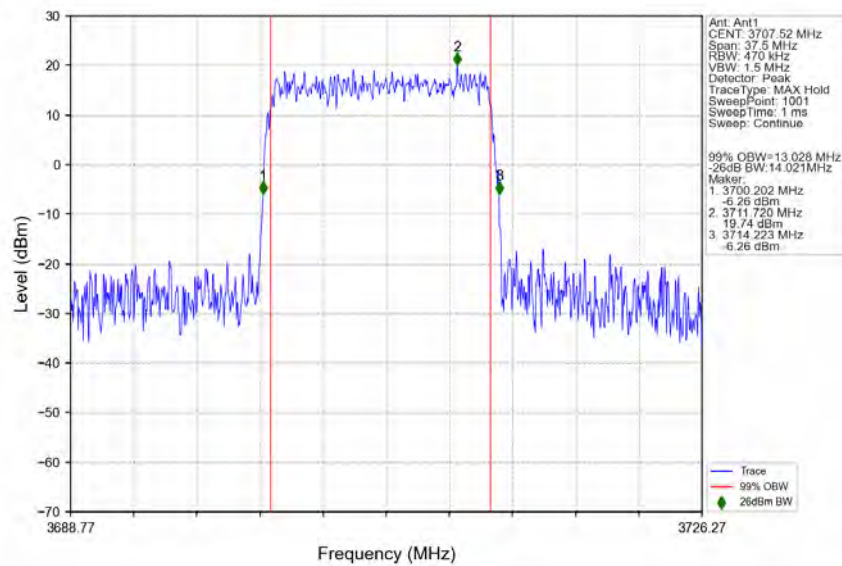
3.2.2 30k_SISO_15MHz_NTNV



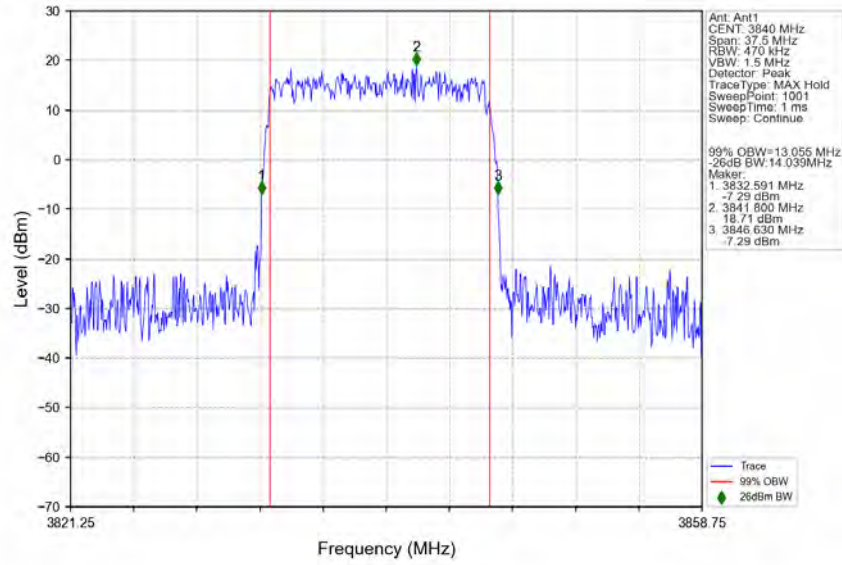
n77a_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_3972.48MHz_Outer_Full_Ant1



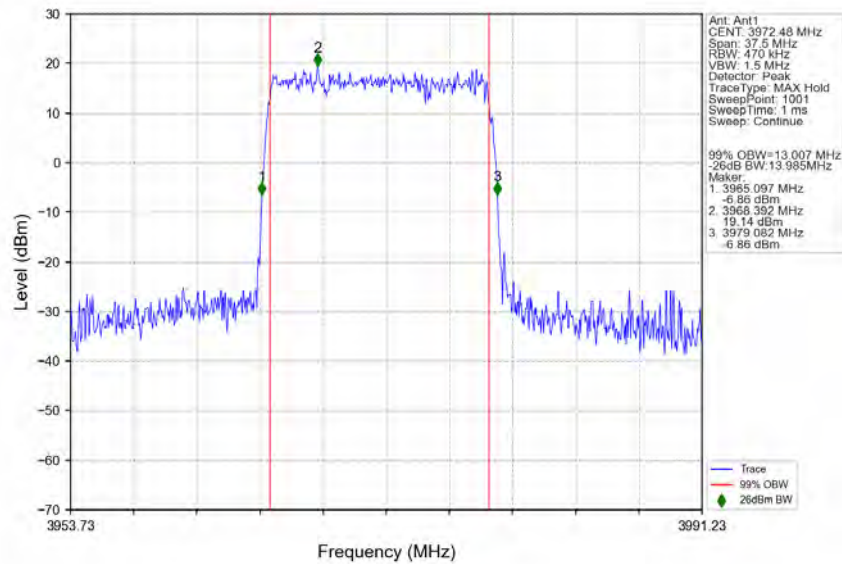
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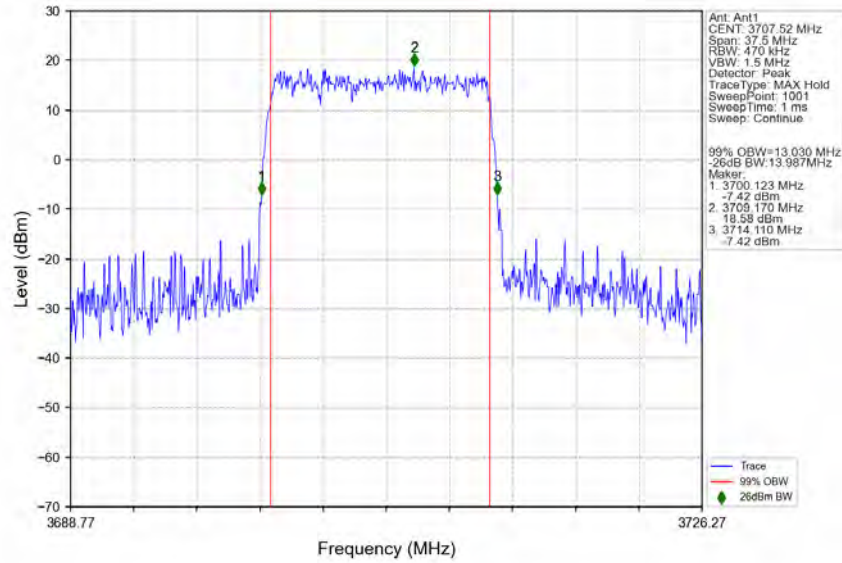
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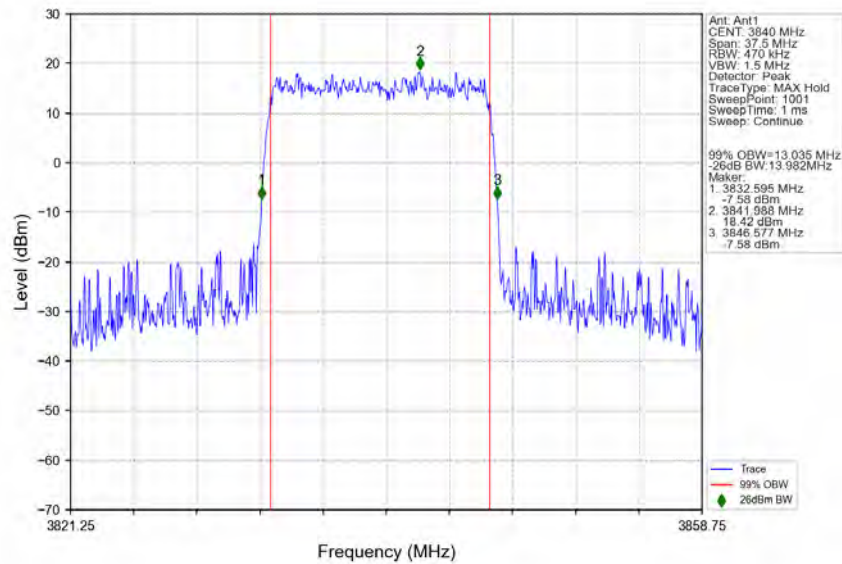
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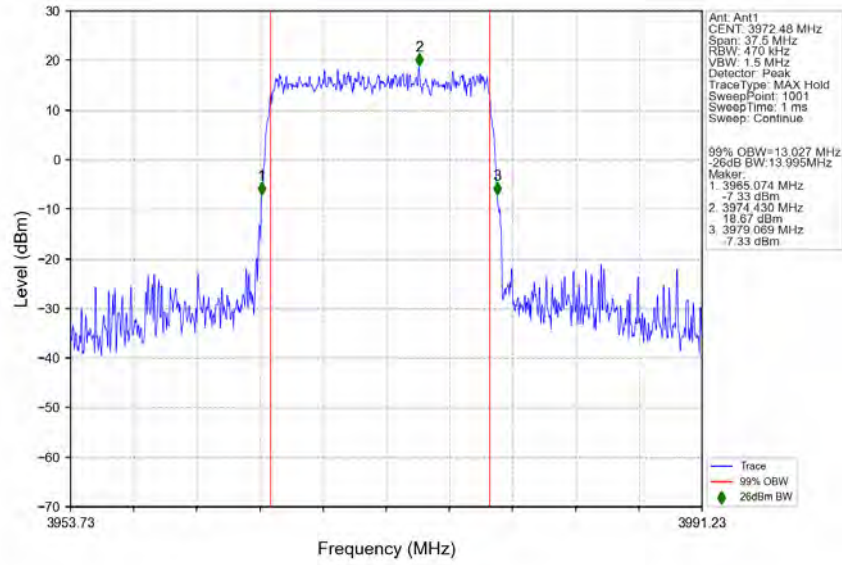
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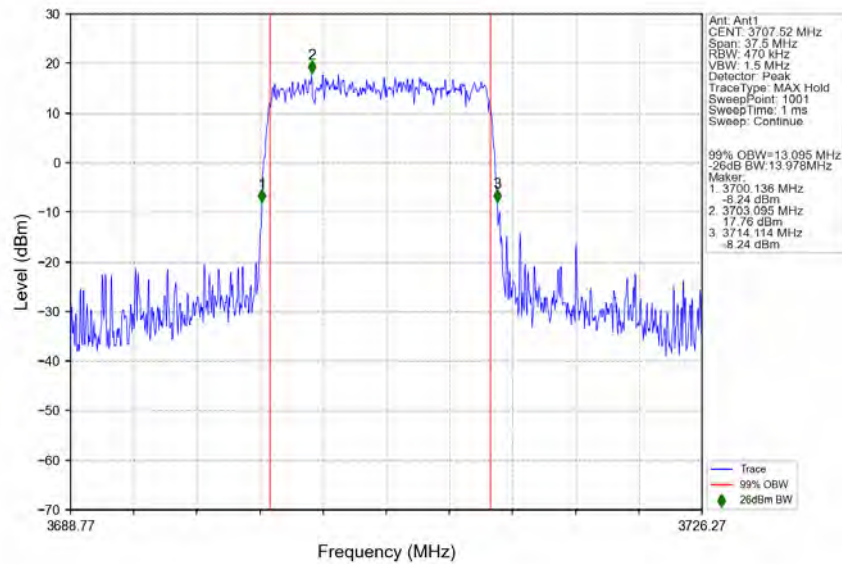
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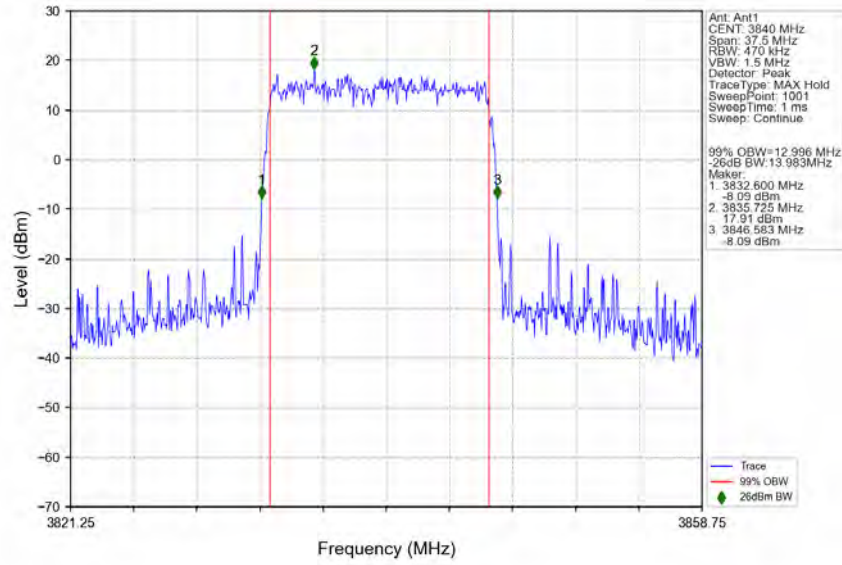
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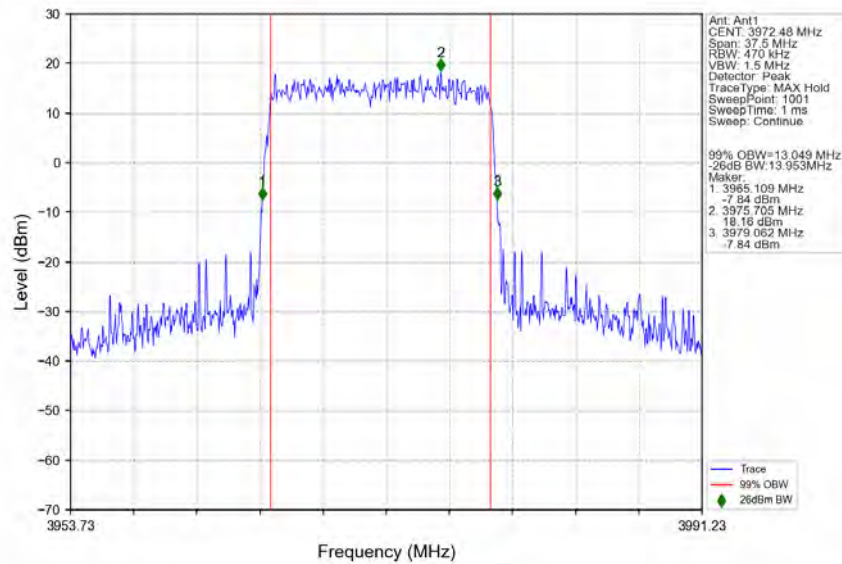
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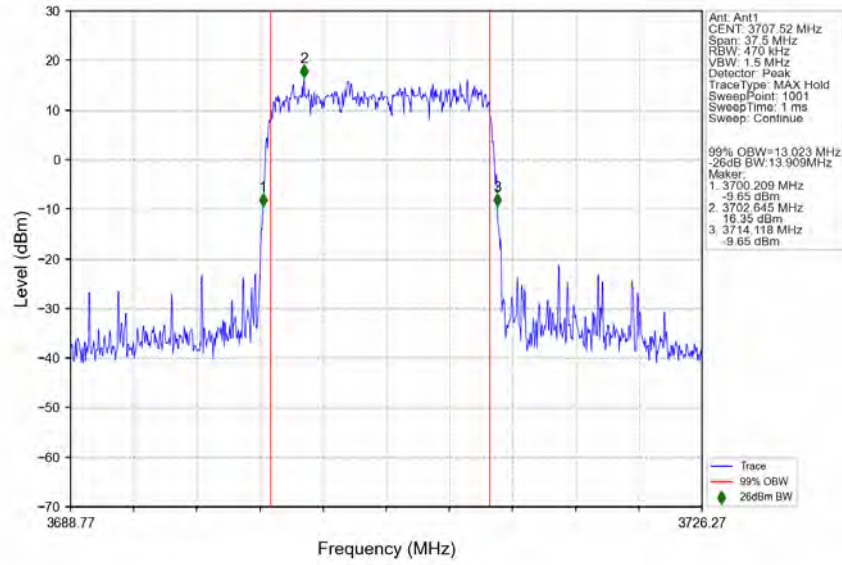
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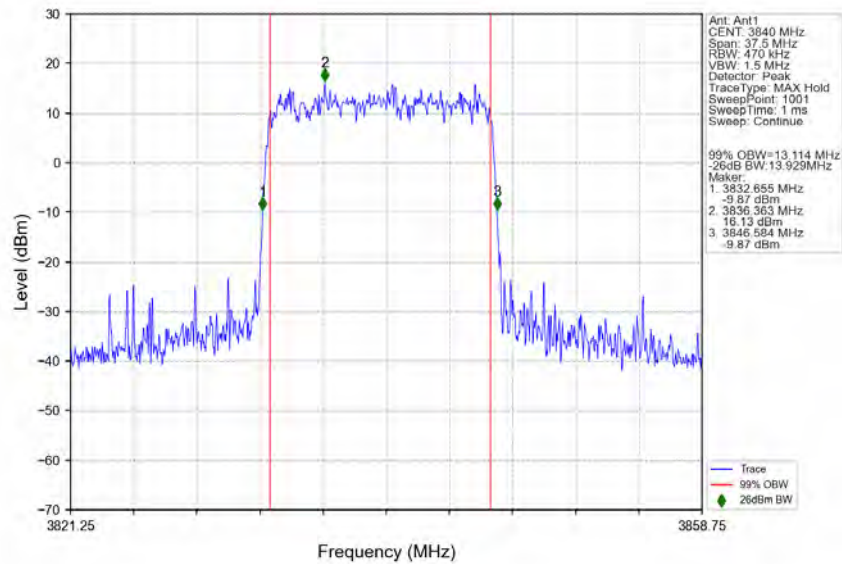
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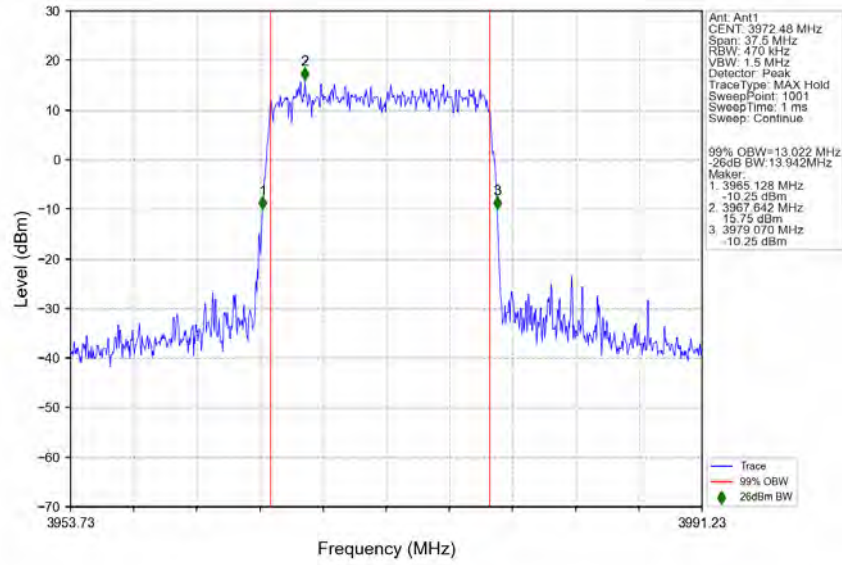
n77a_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_256_QAM_3707.52MHz_Outer_Full_Ant1



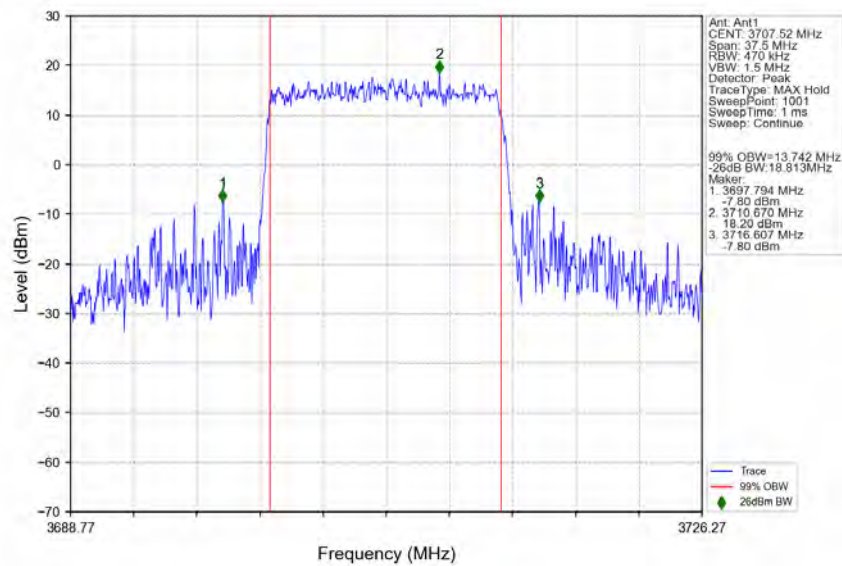
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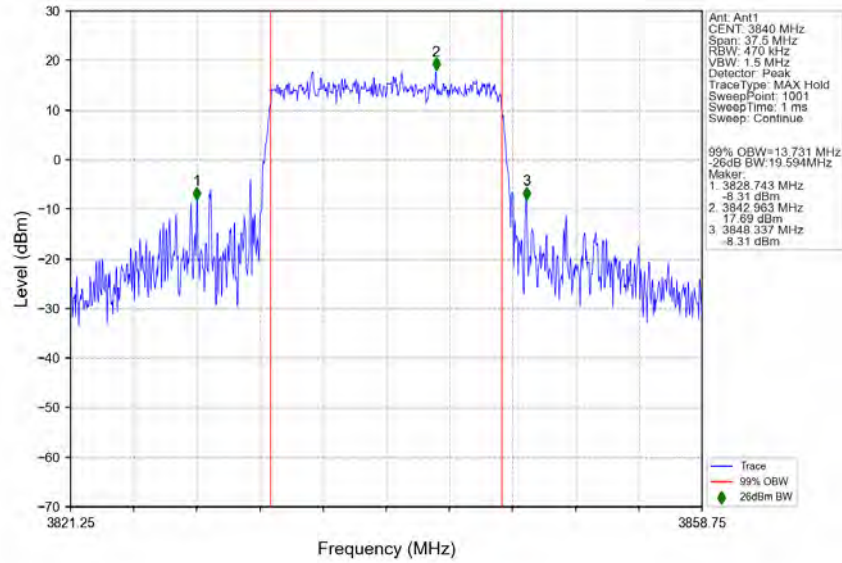
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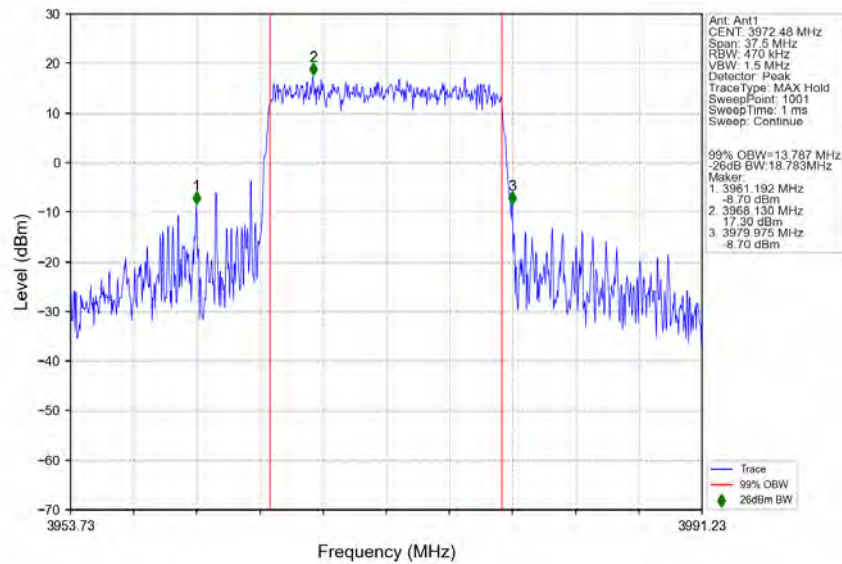
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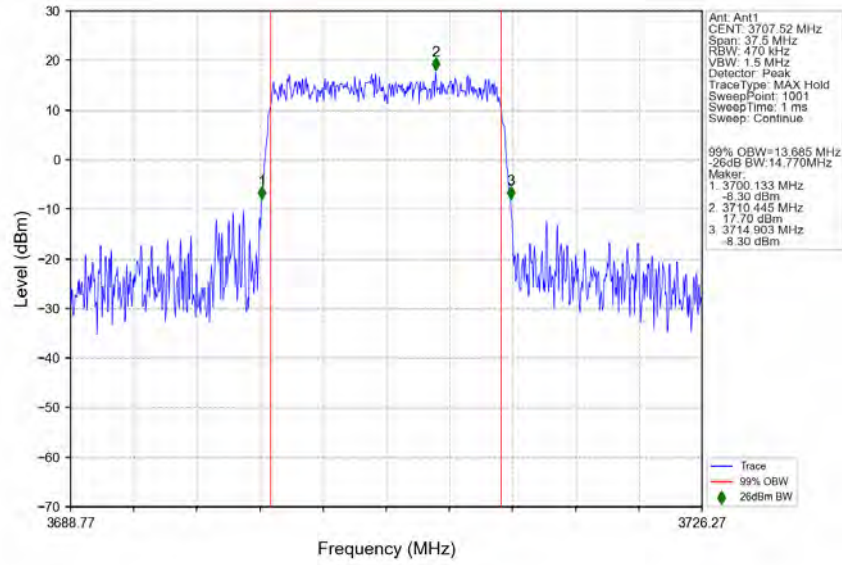
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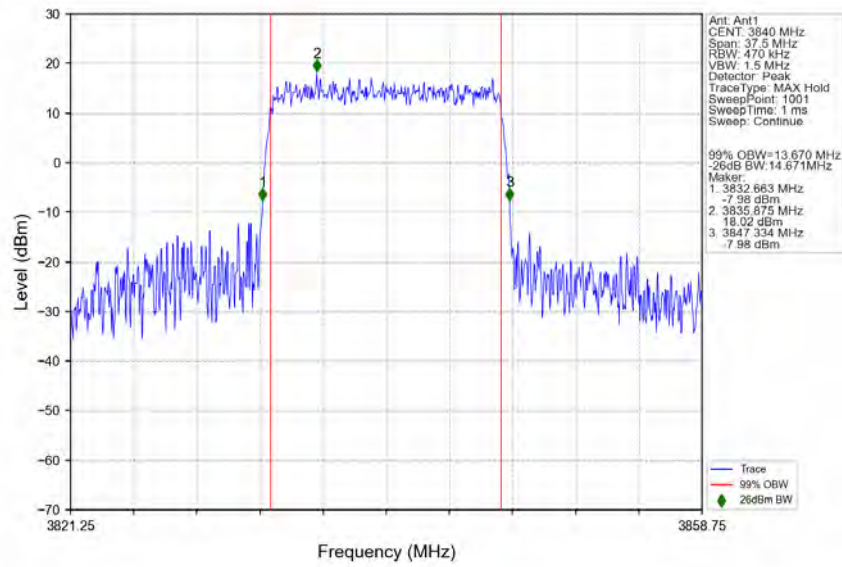
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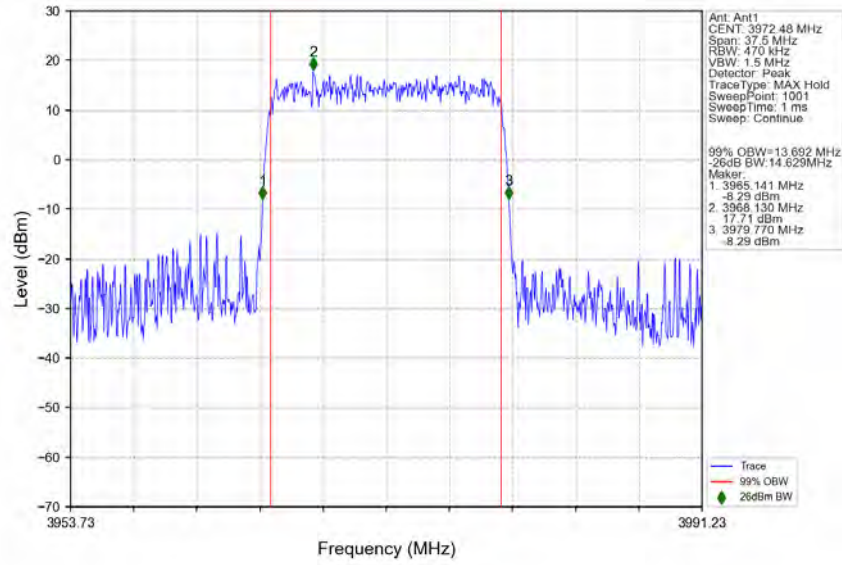
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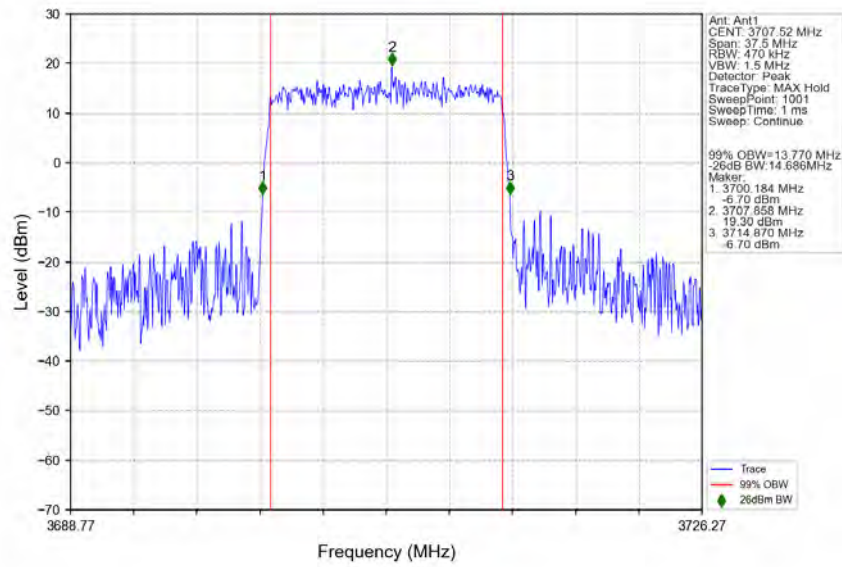
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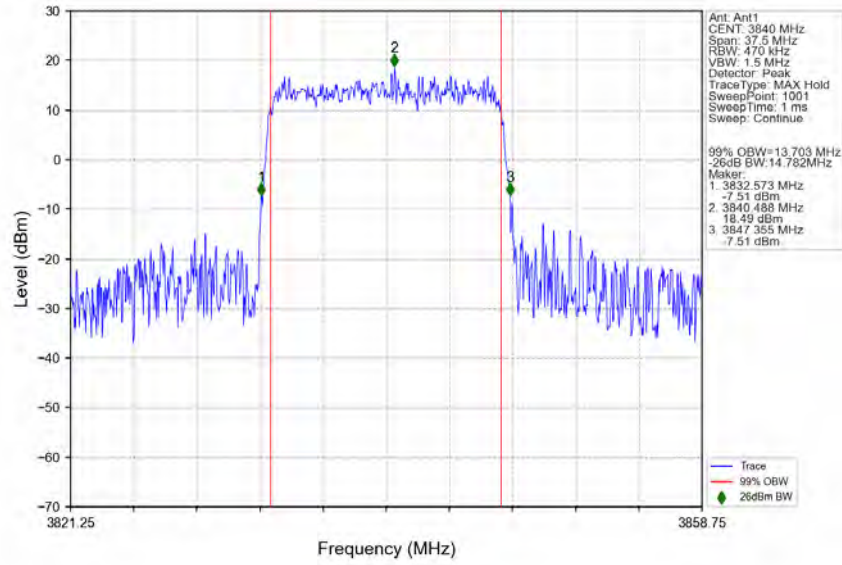
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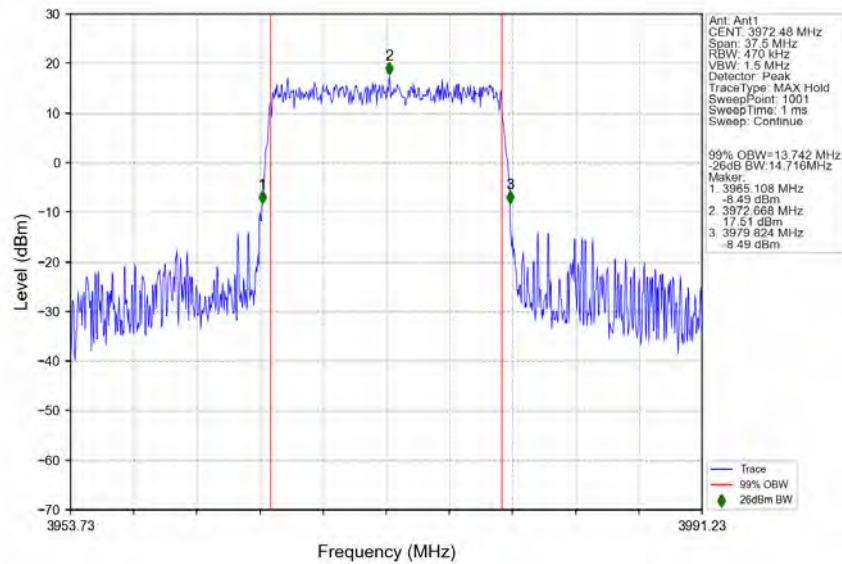
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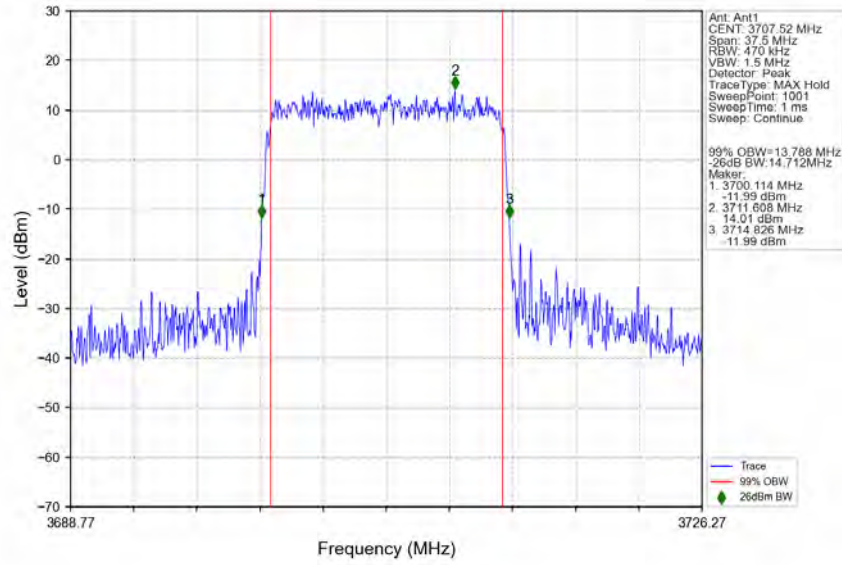
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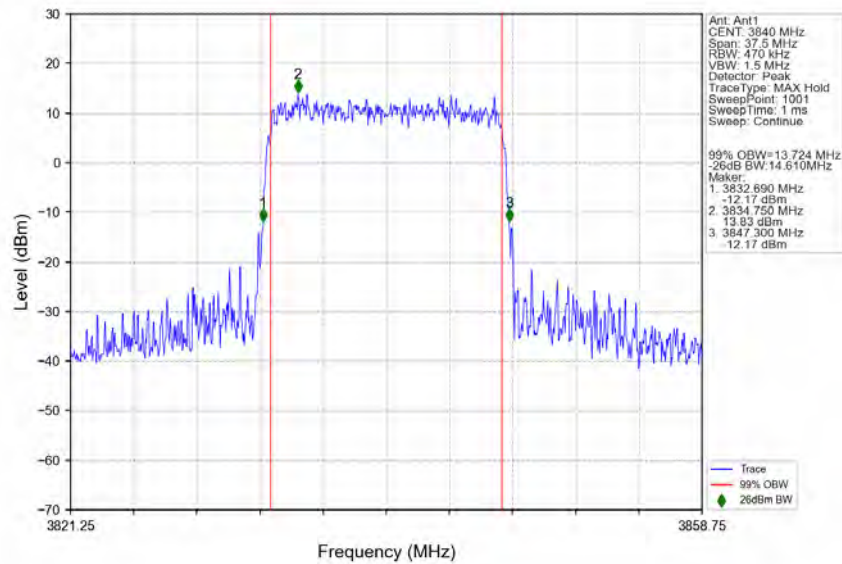
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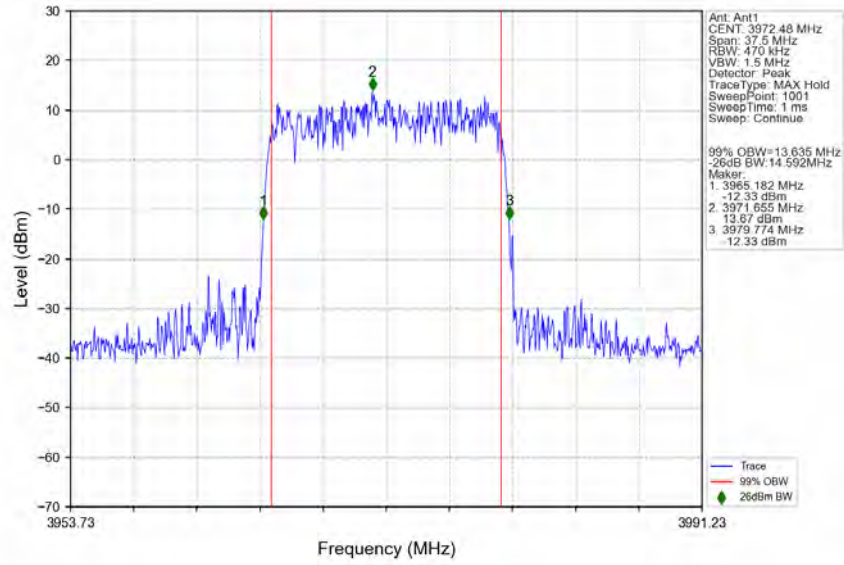
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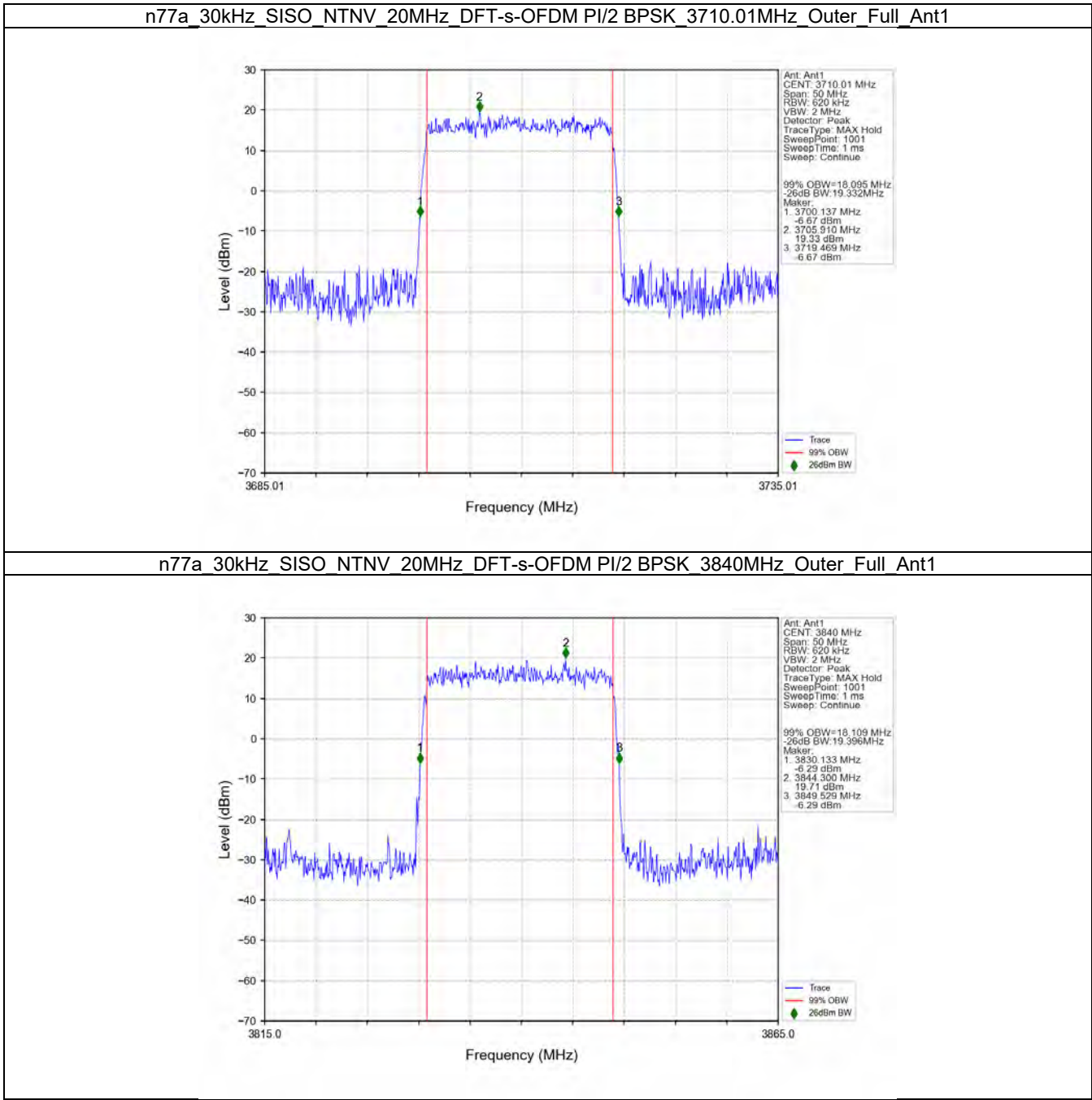
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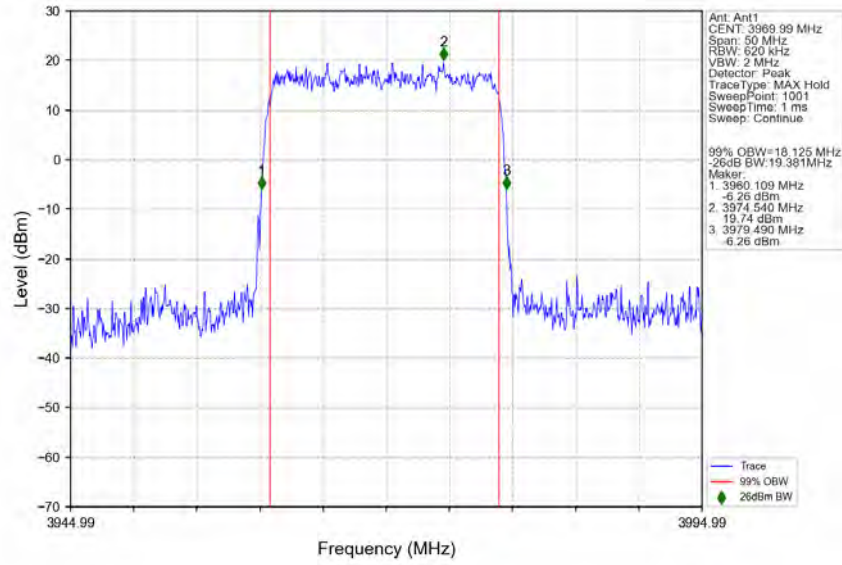
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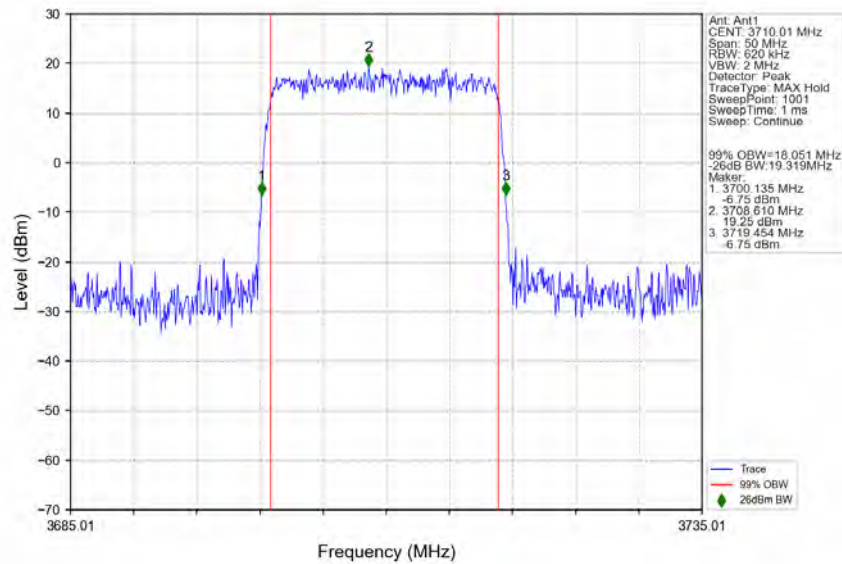
3.2.3 30k_SISO_20MHz_NTNV



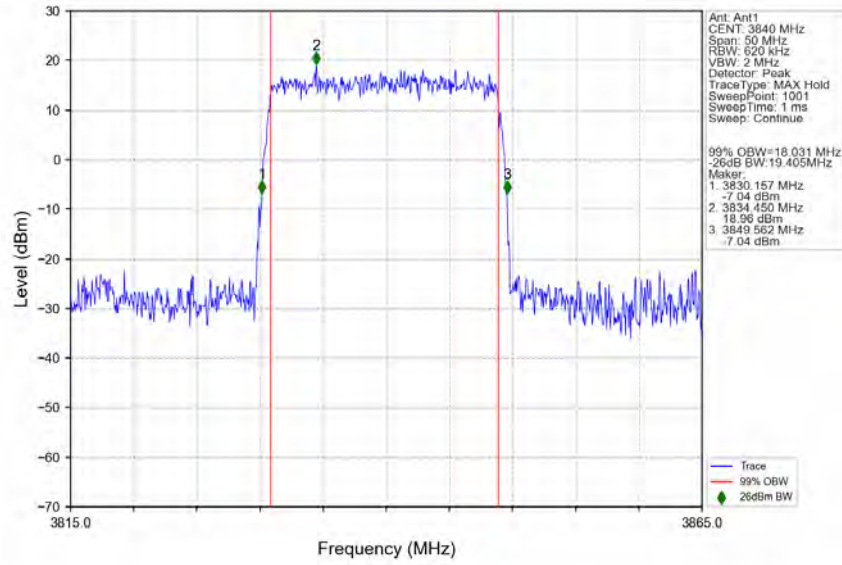
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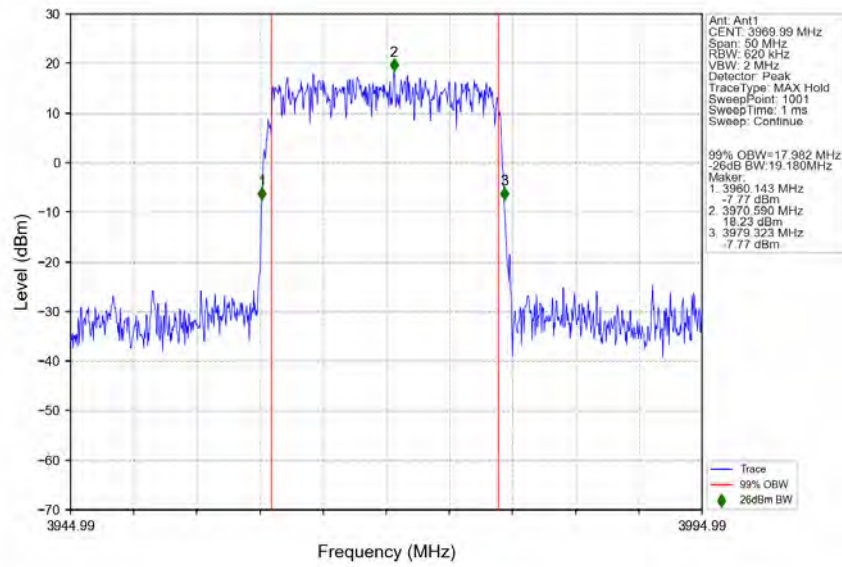
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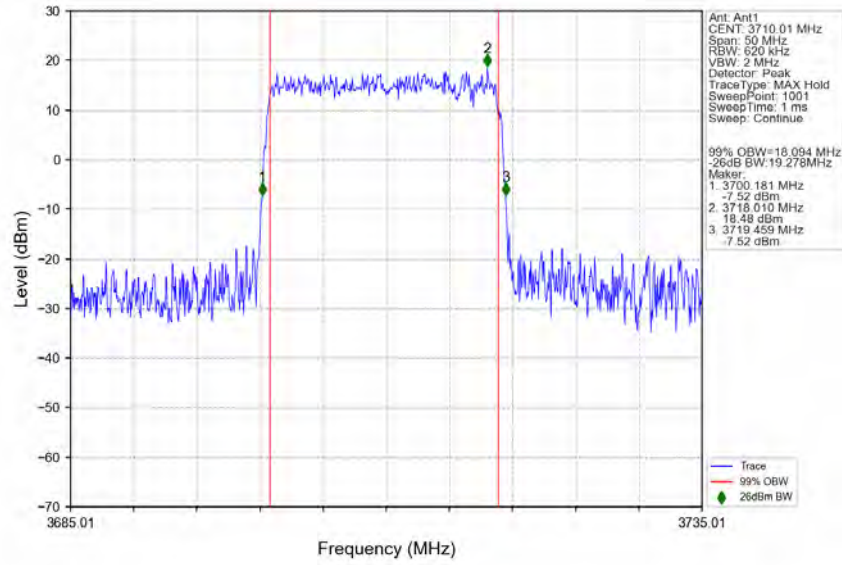
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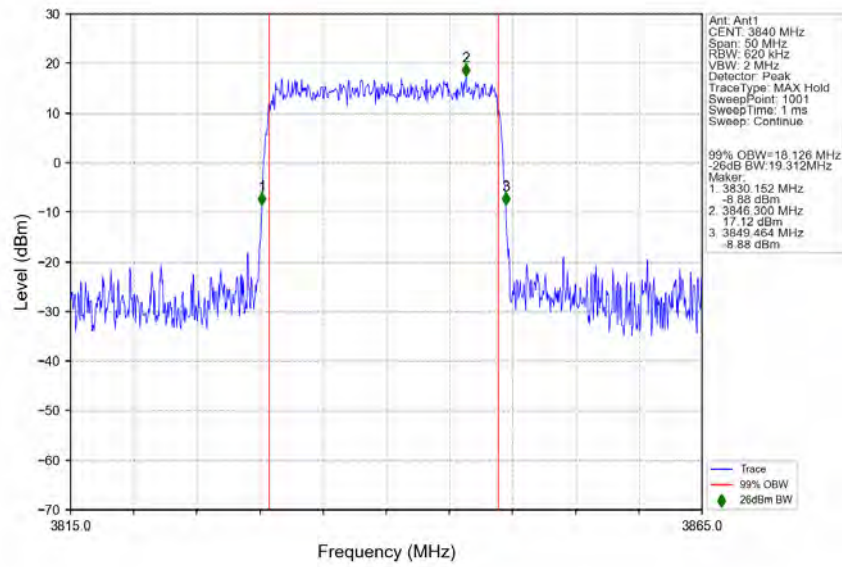
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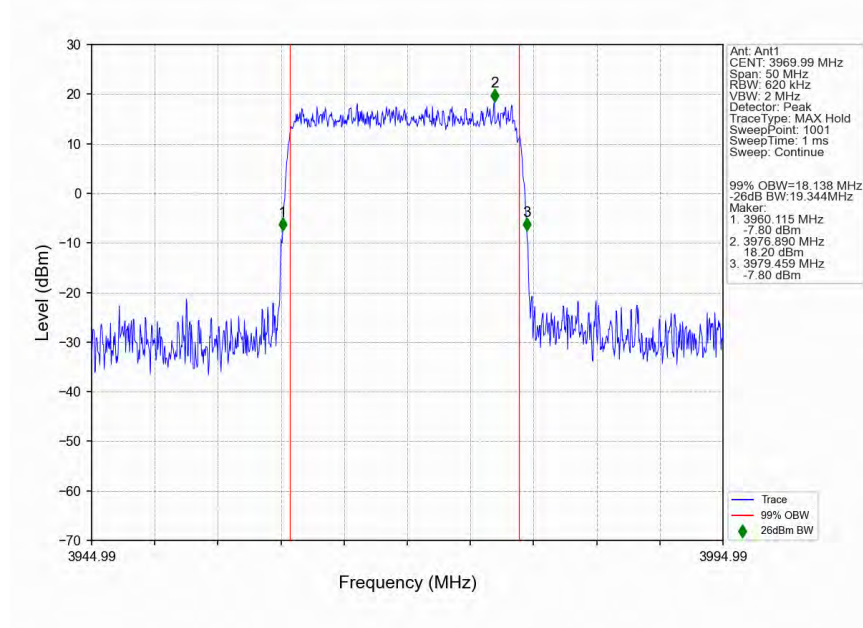
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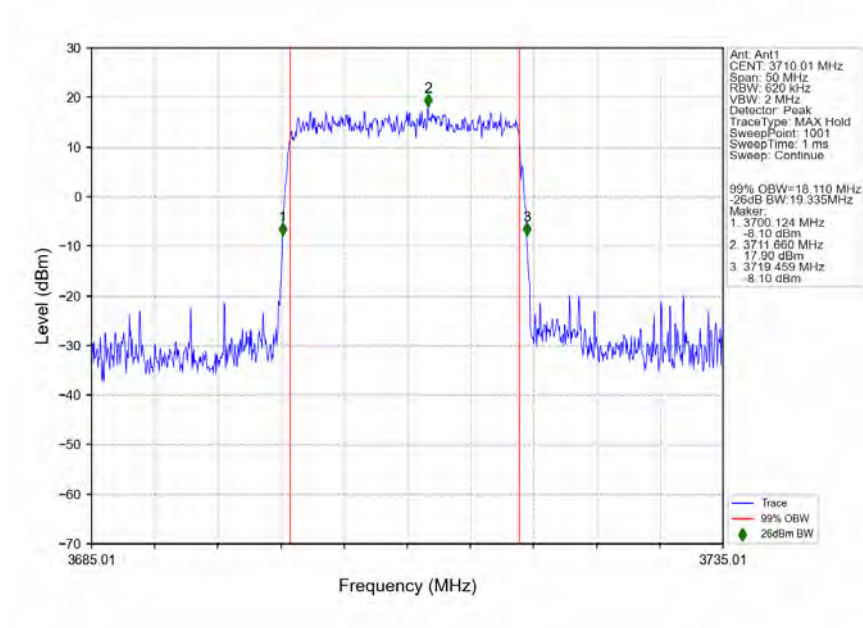
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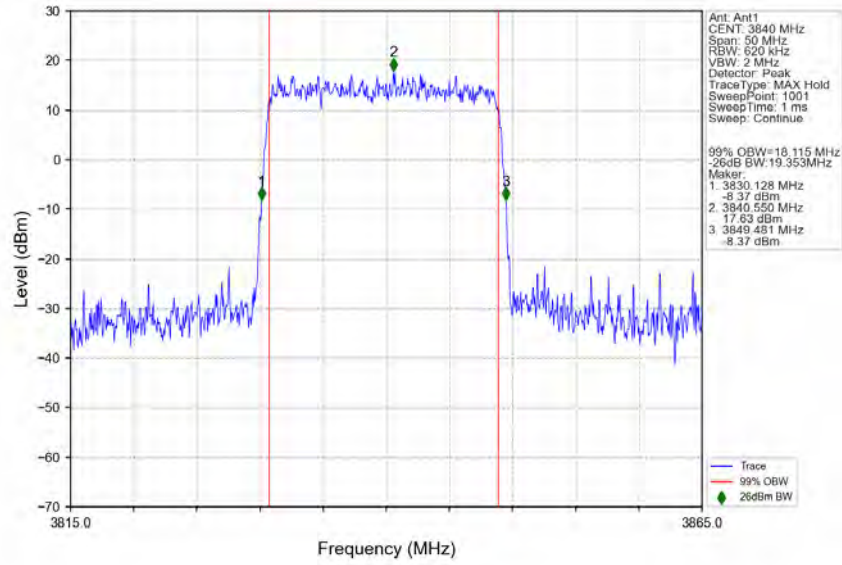
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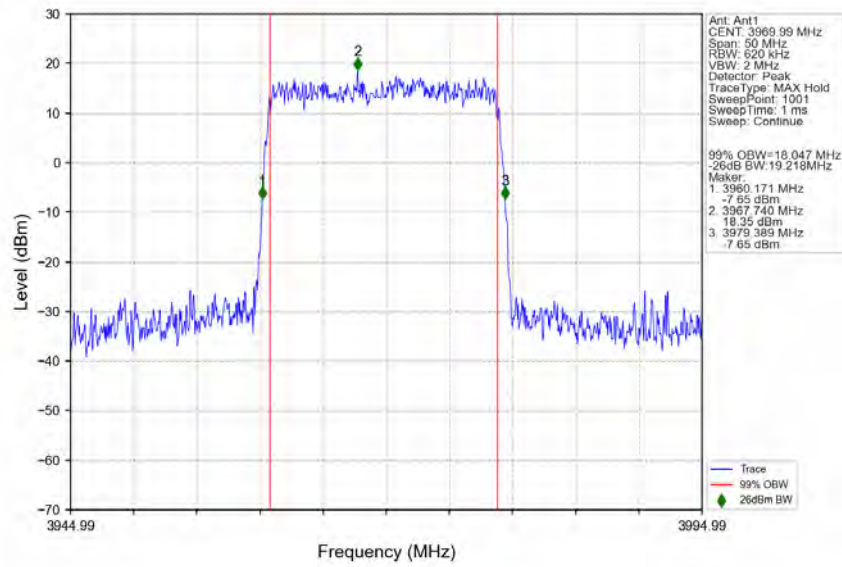
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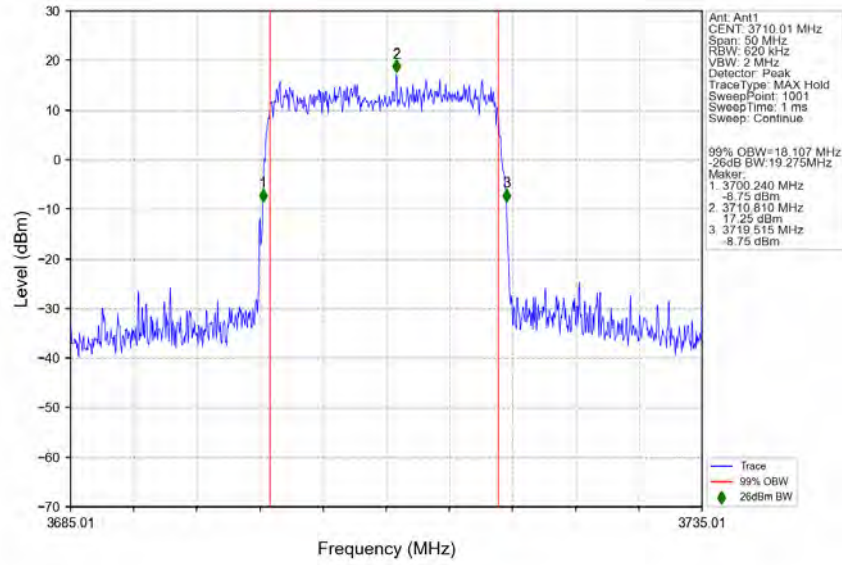
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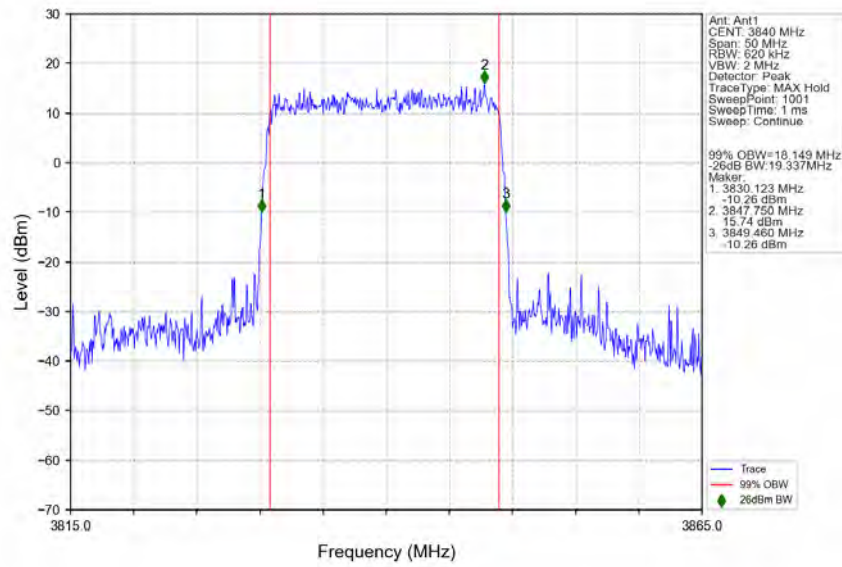
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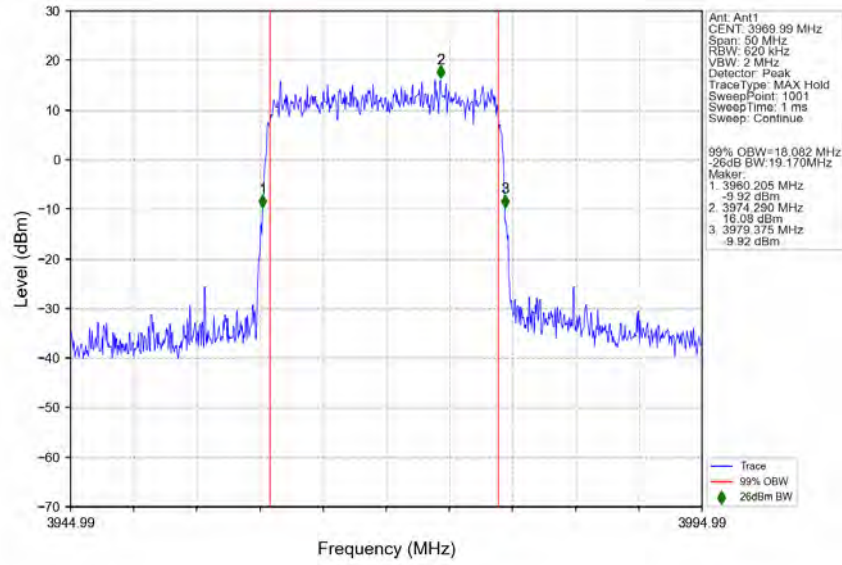
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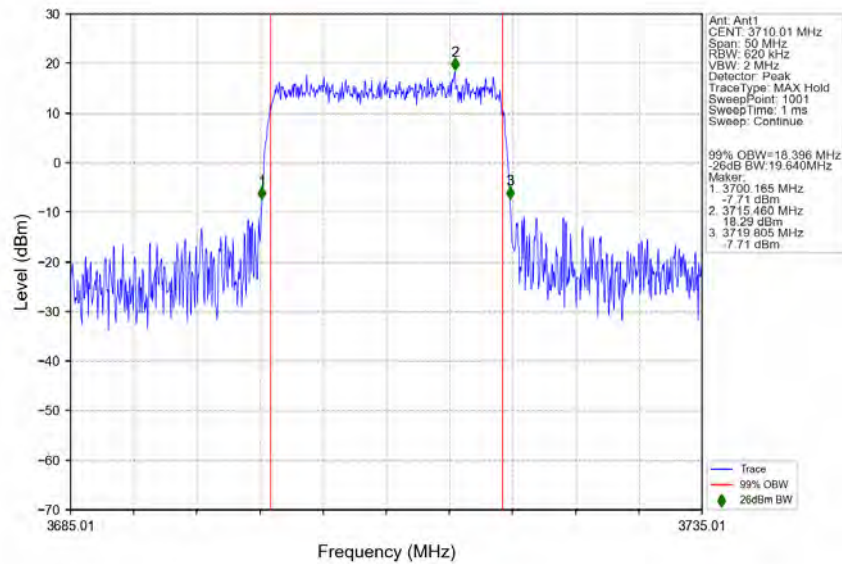
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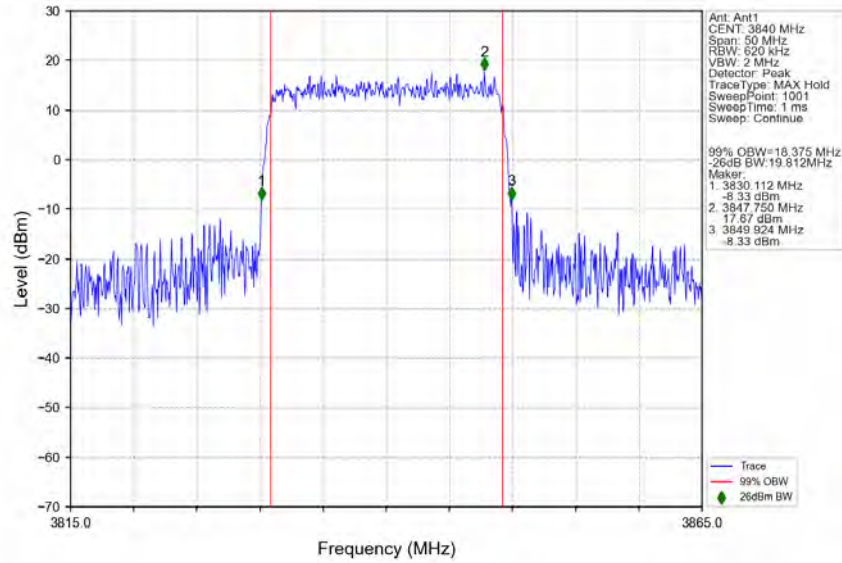
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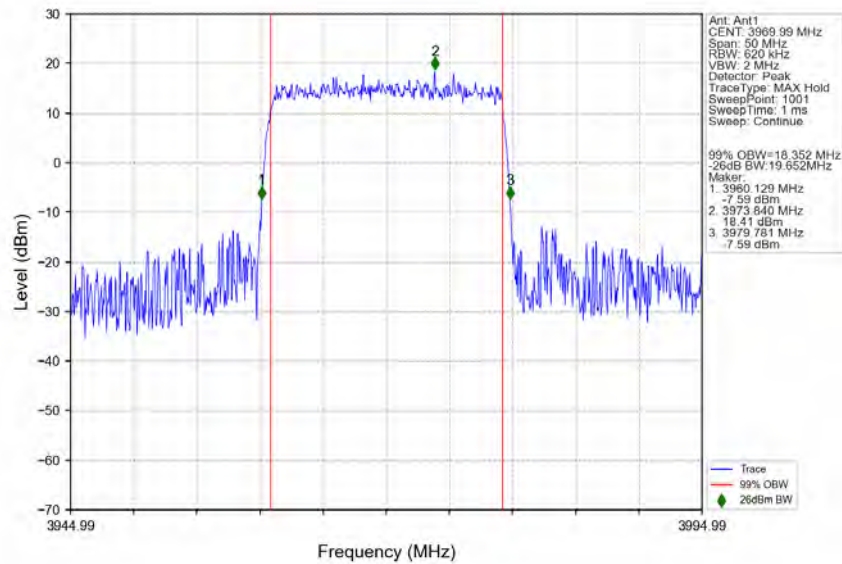
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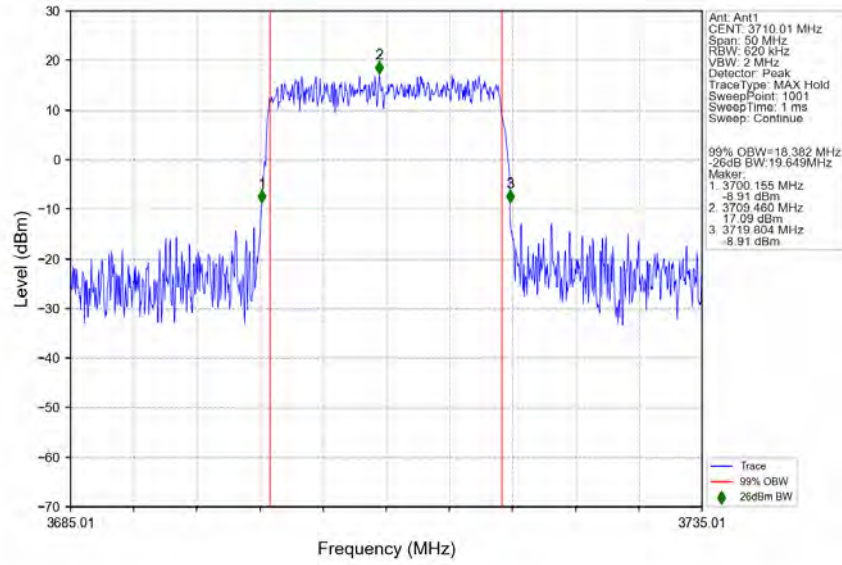
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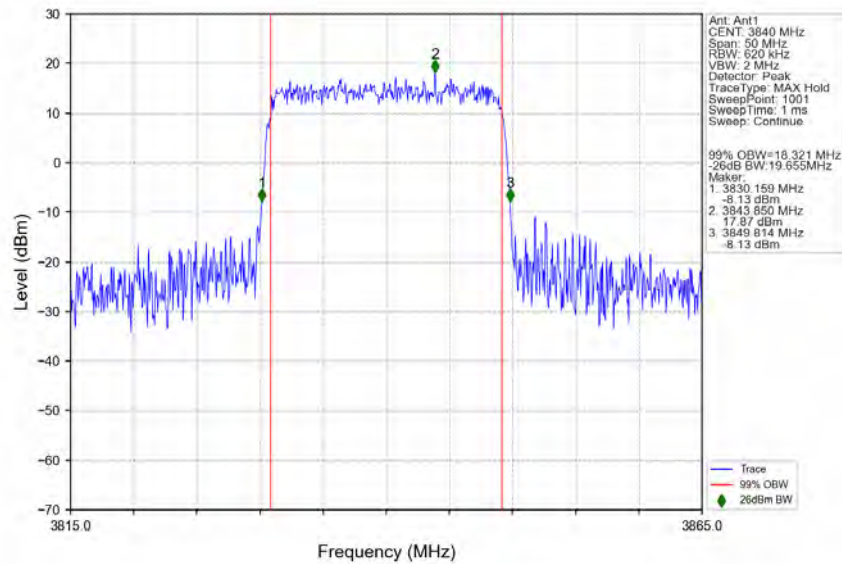
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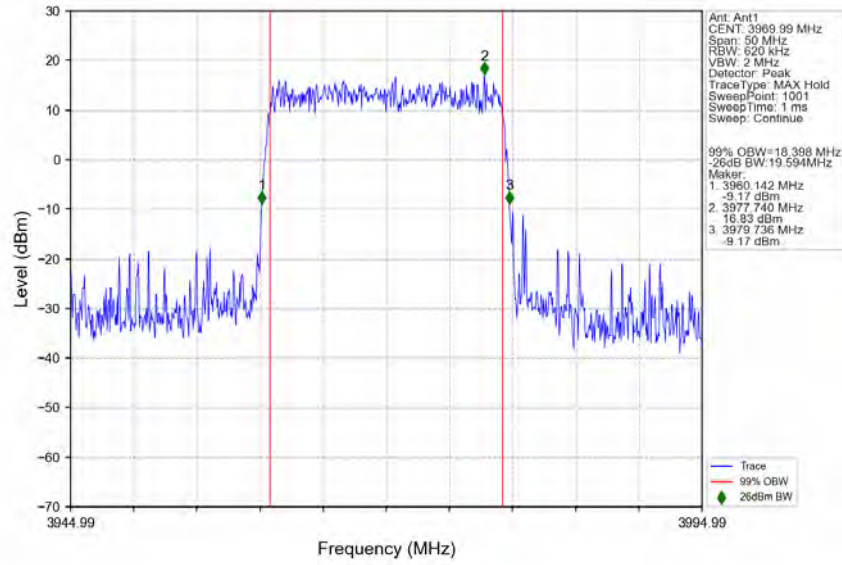
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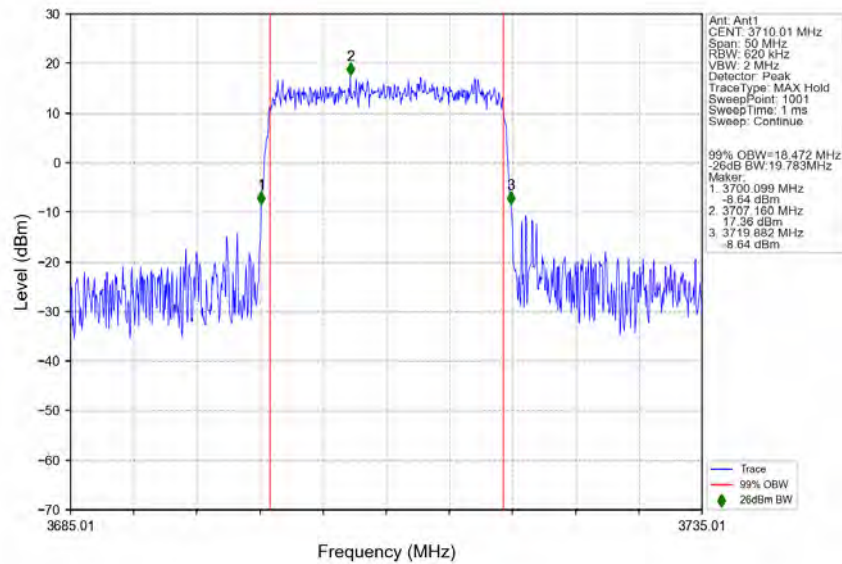
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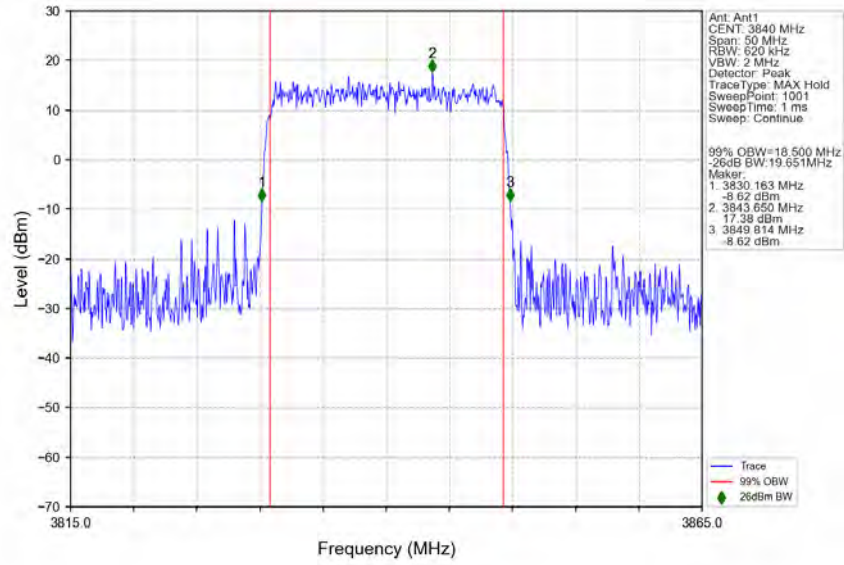
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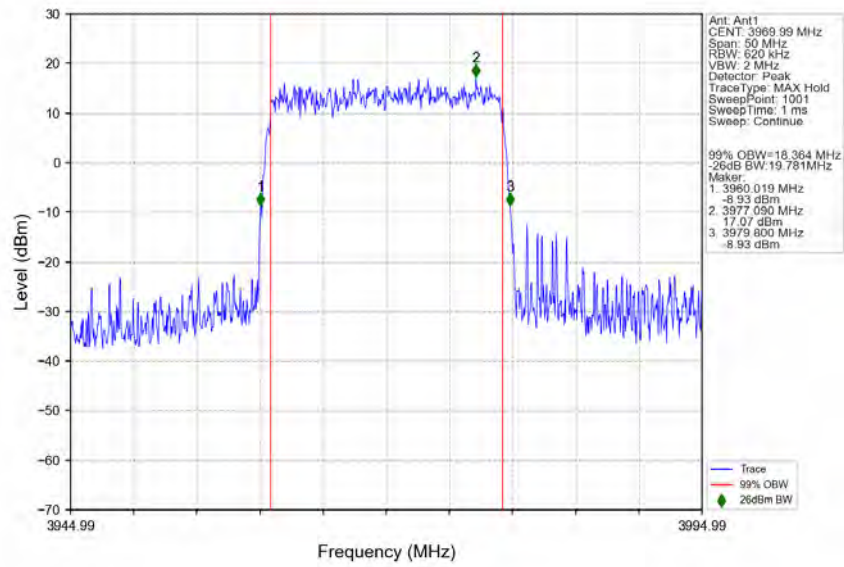
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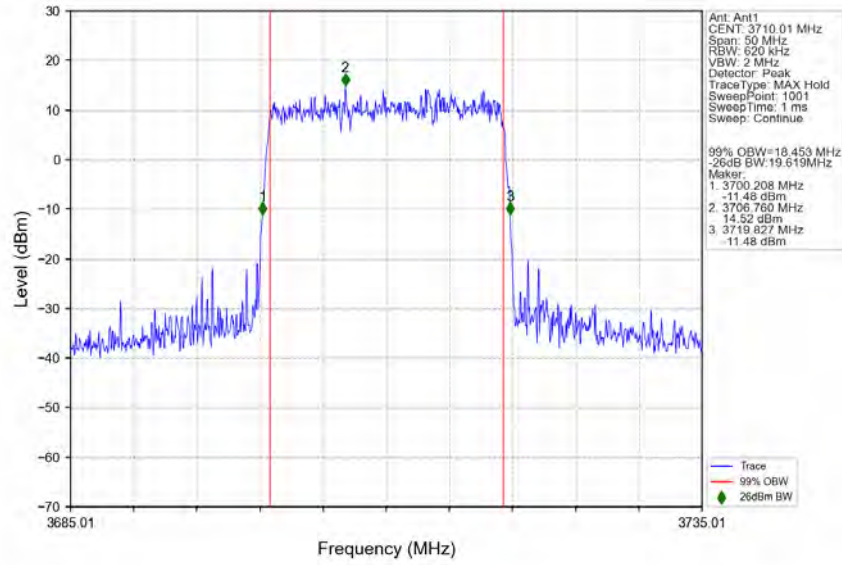
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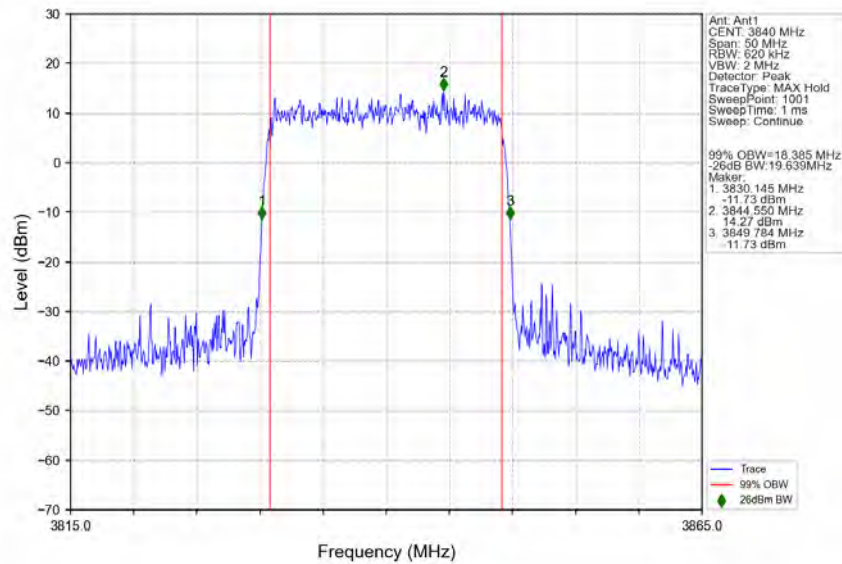
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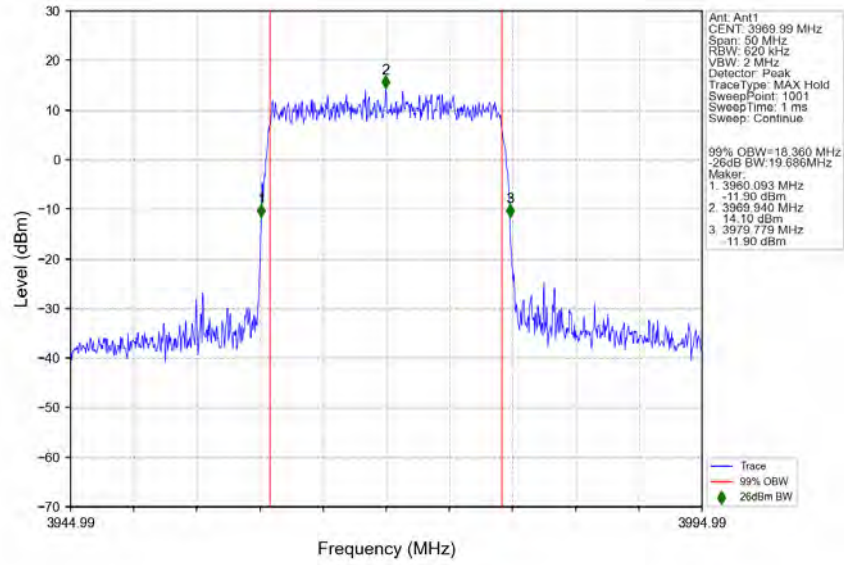
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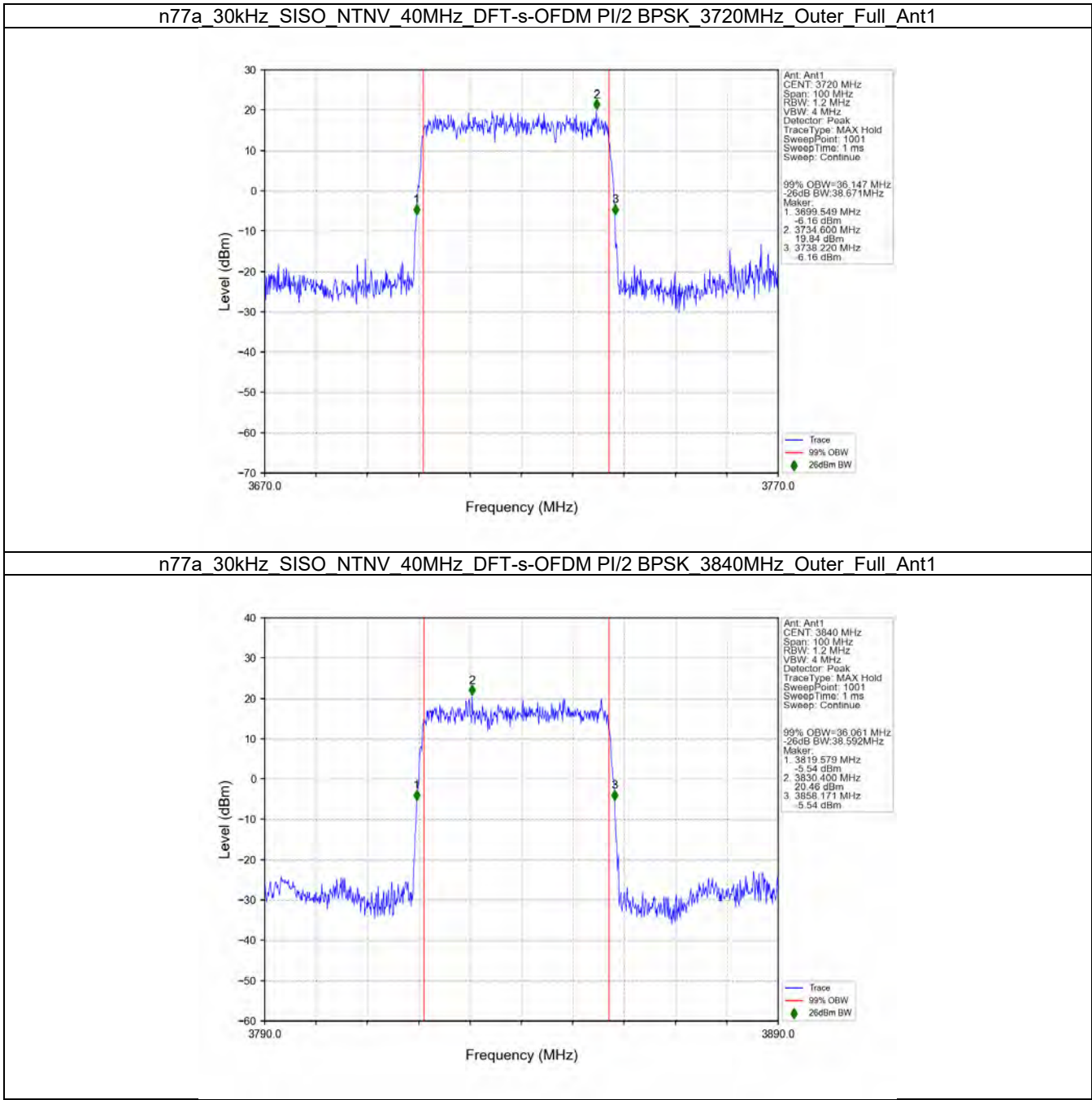
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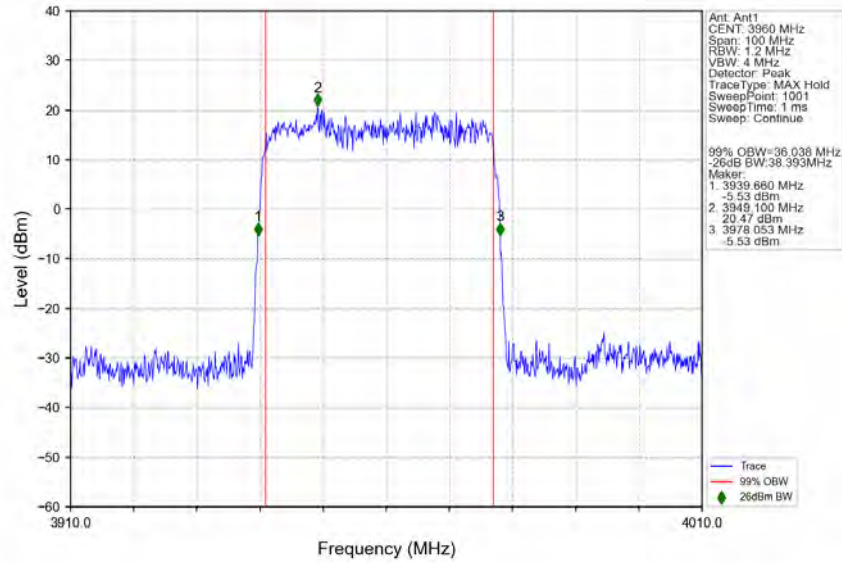
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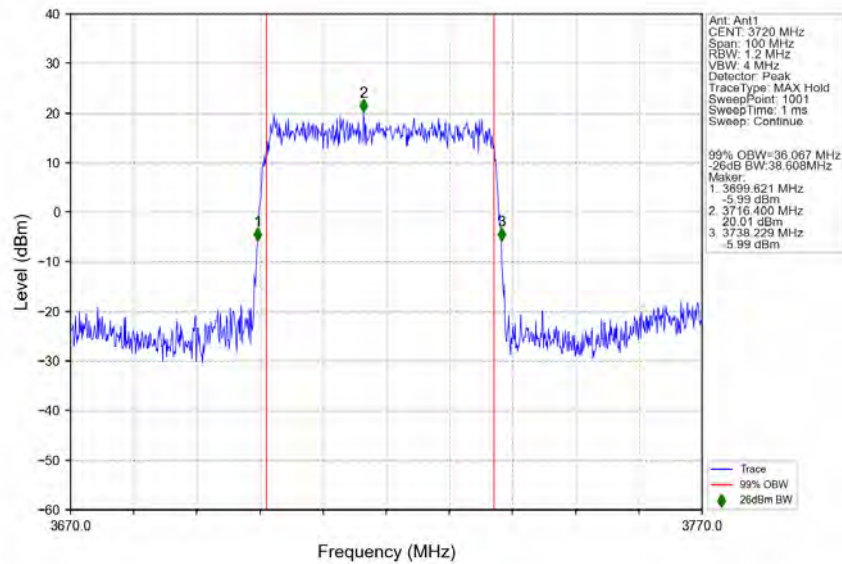
3.2.4 30k_SISO_40MHz_NTNV



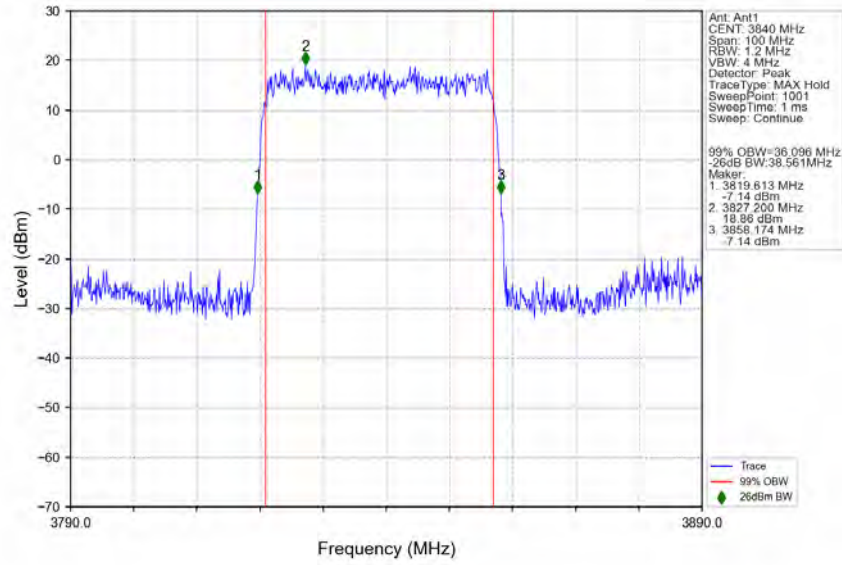
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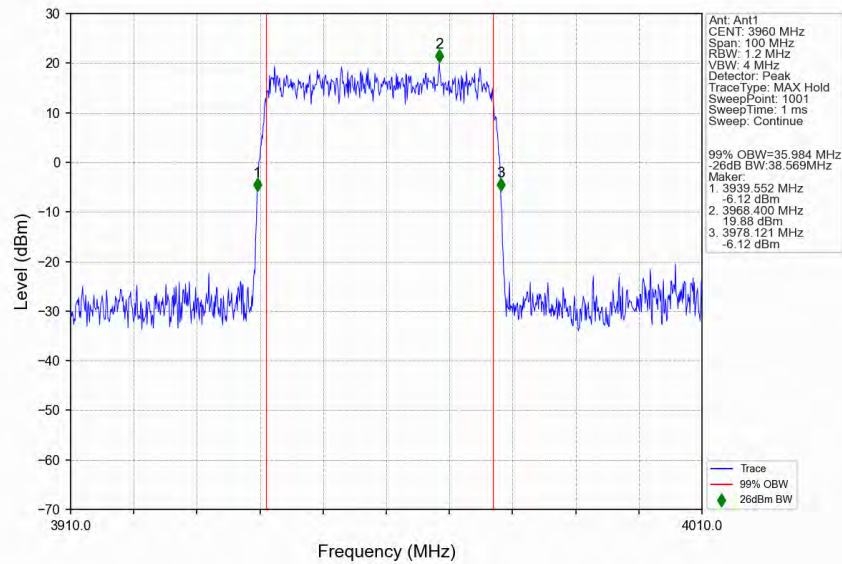
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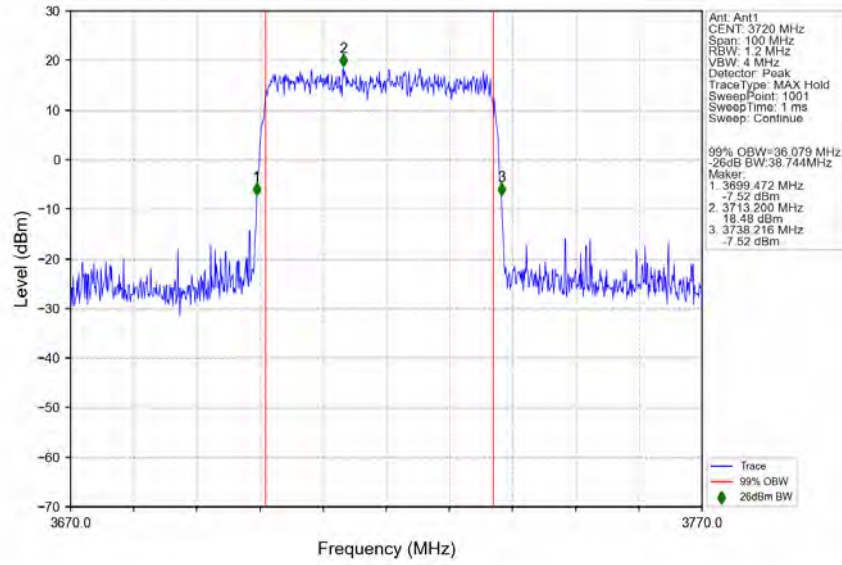
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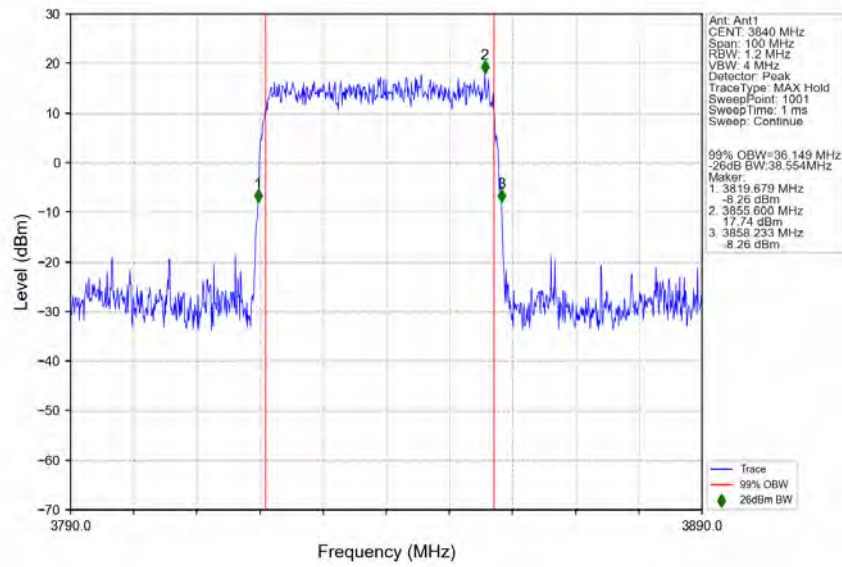
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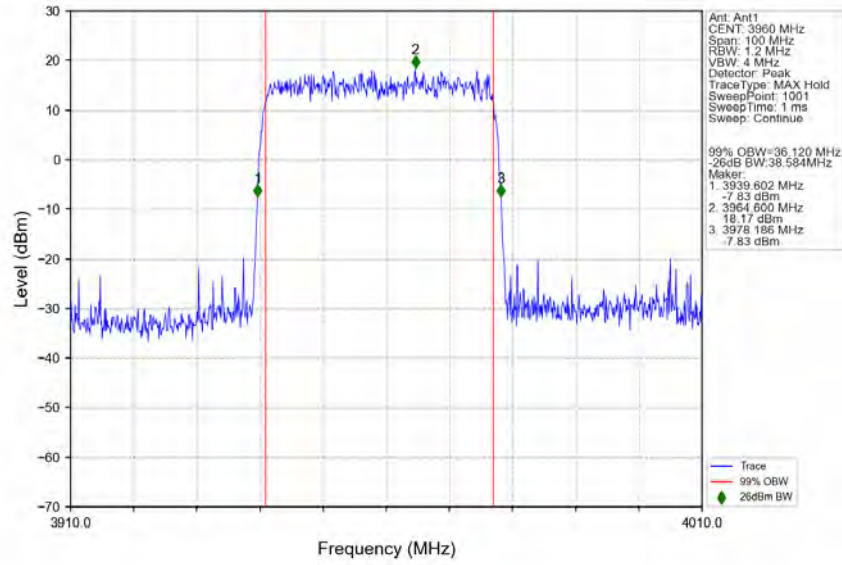
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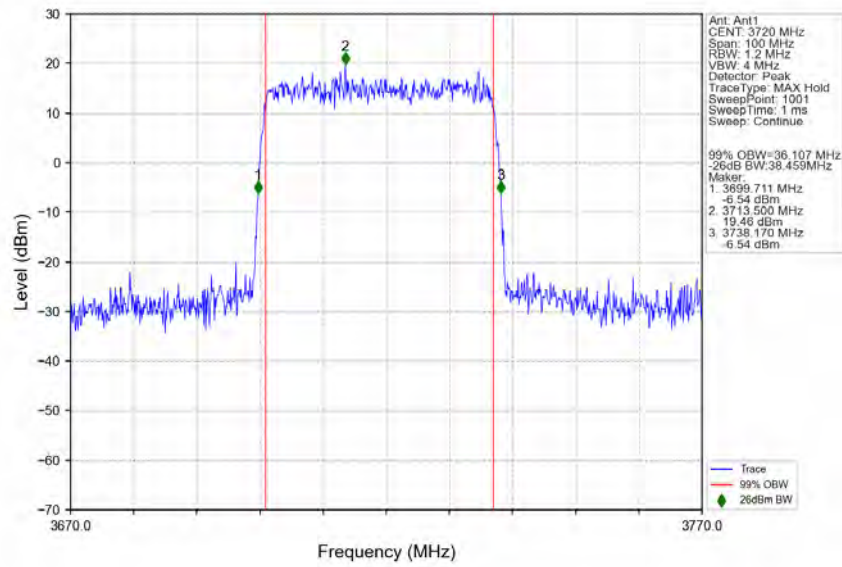
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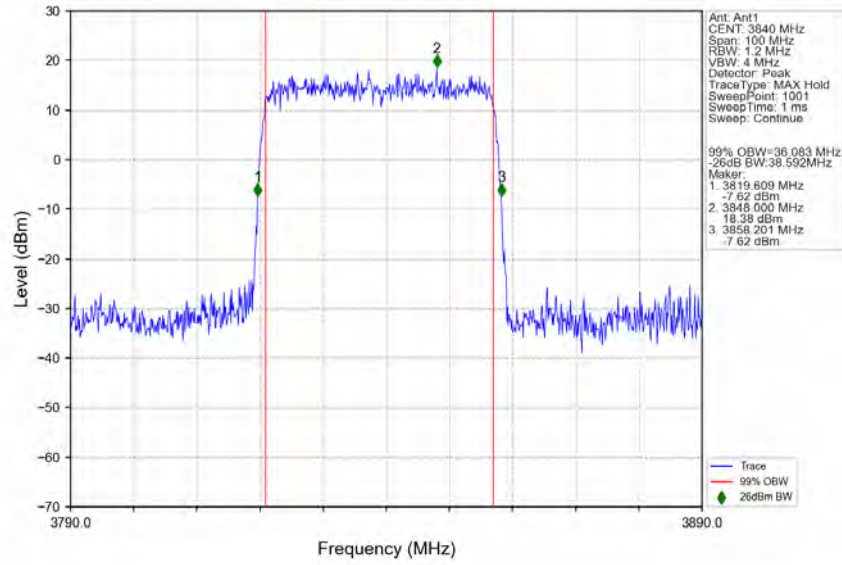
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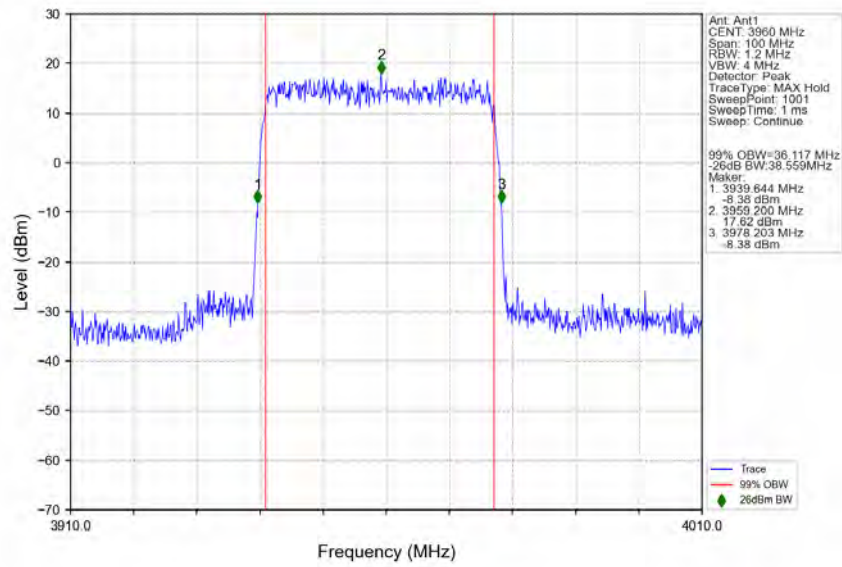
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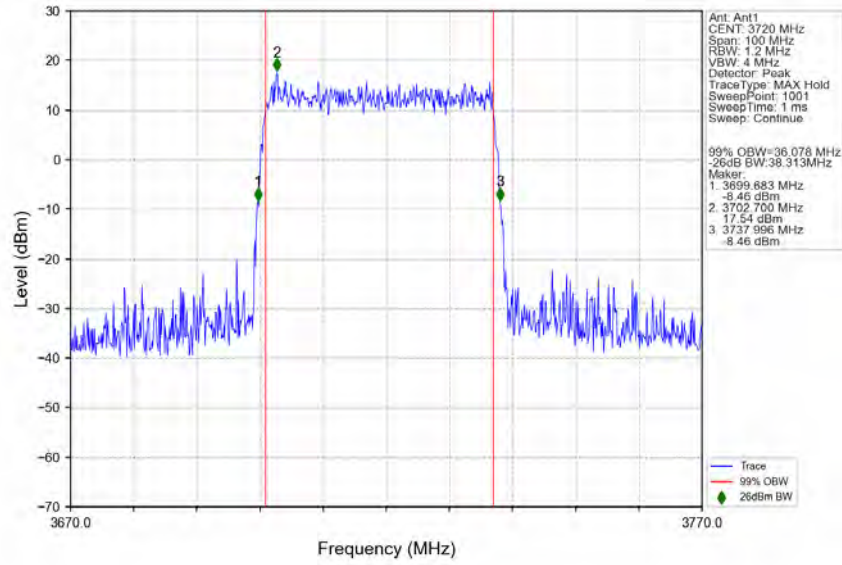
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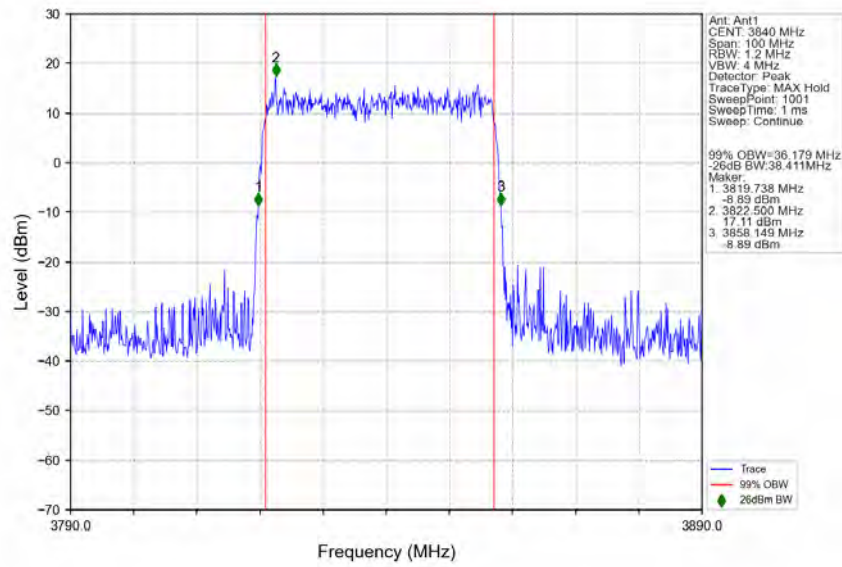
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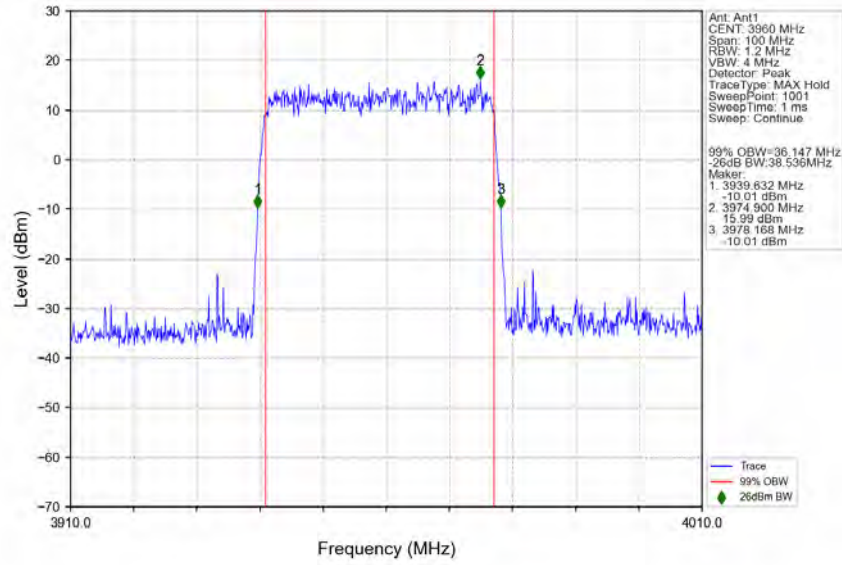
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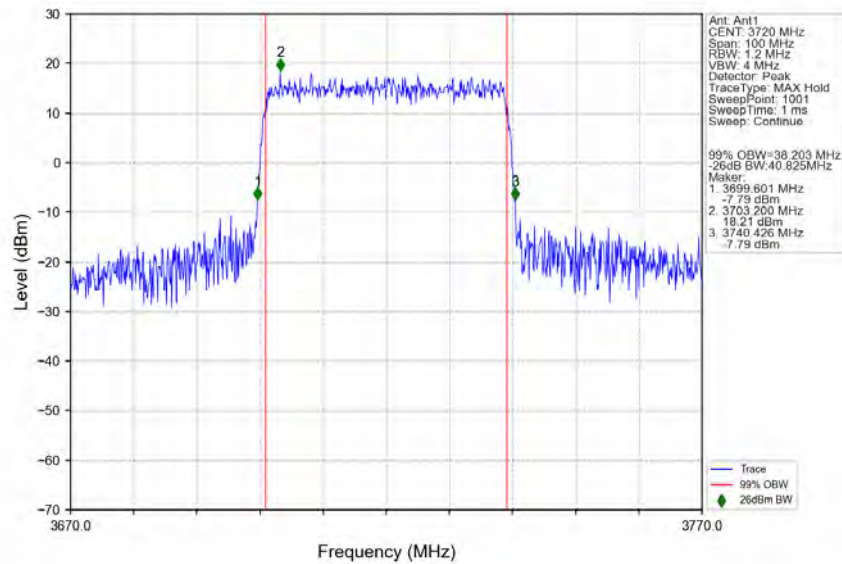
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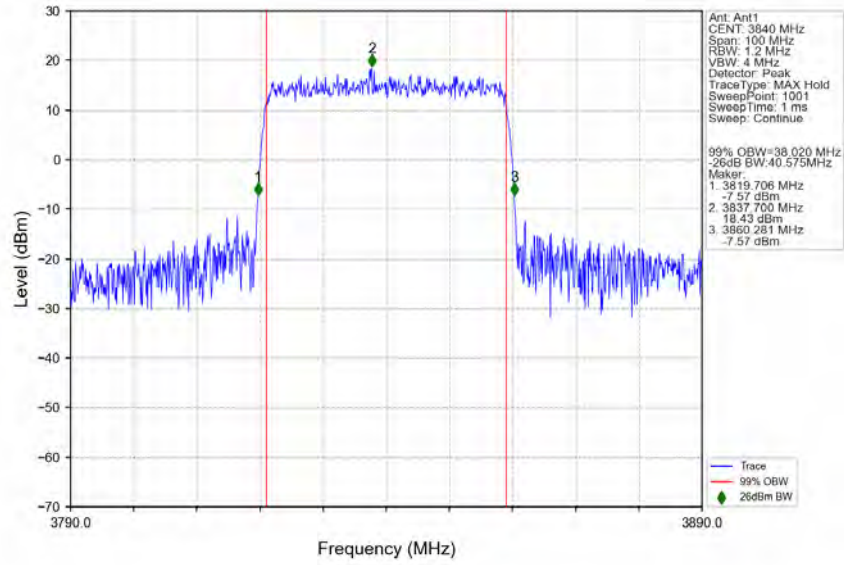
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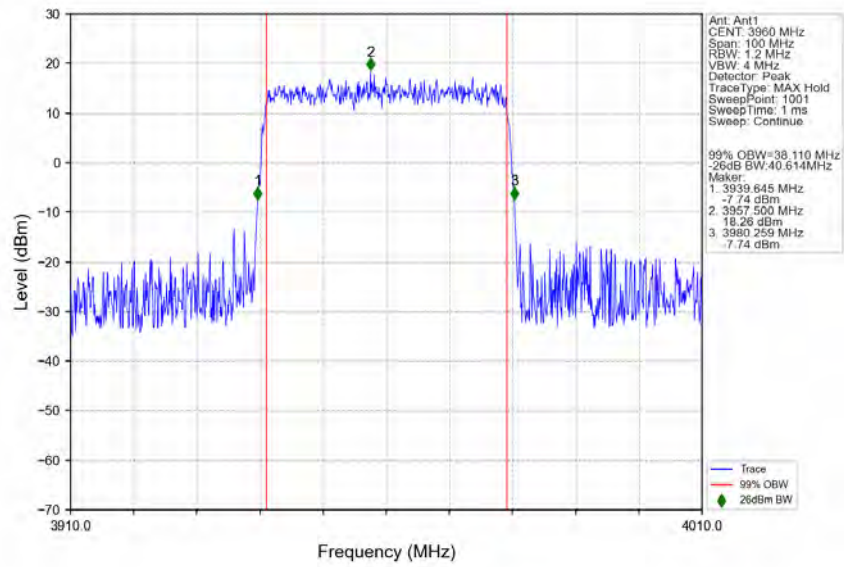
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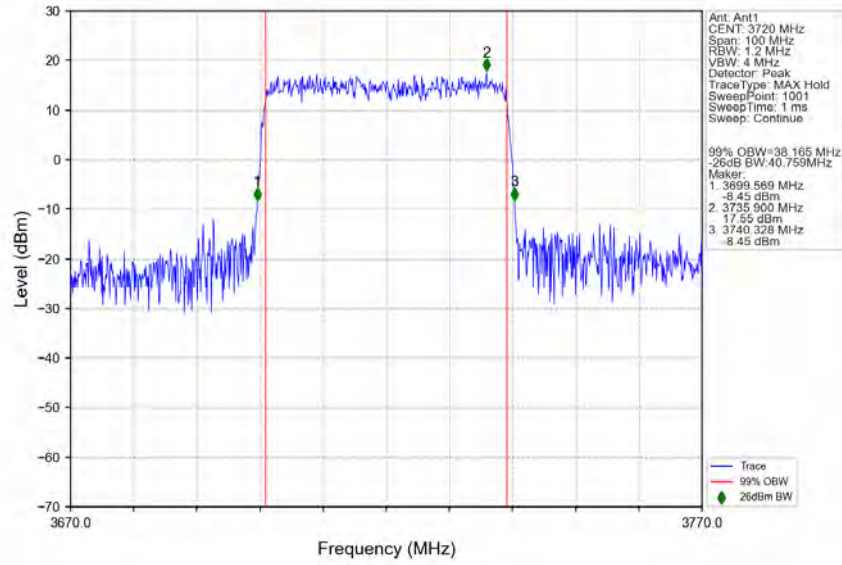
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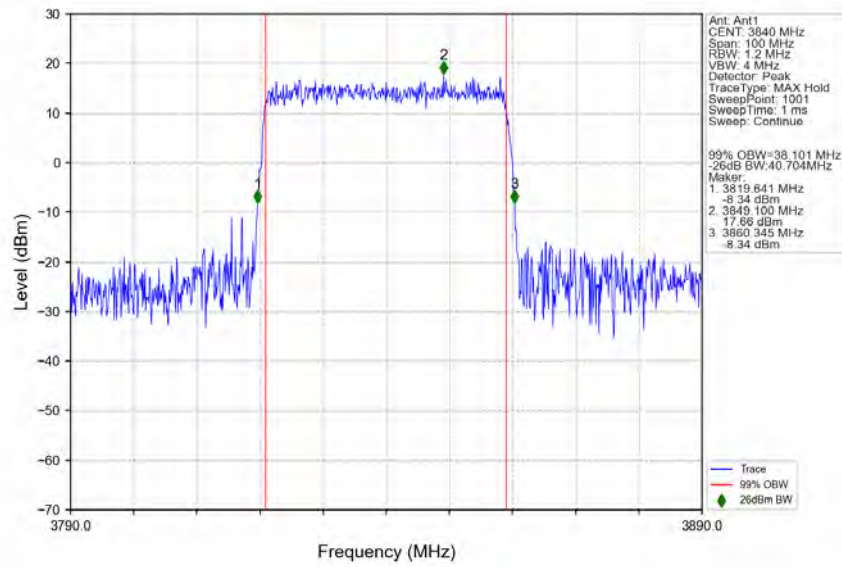
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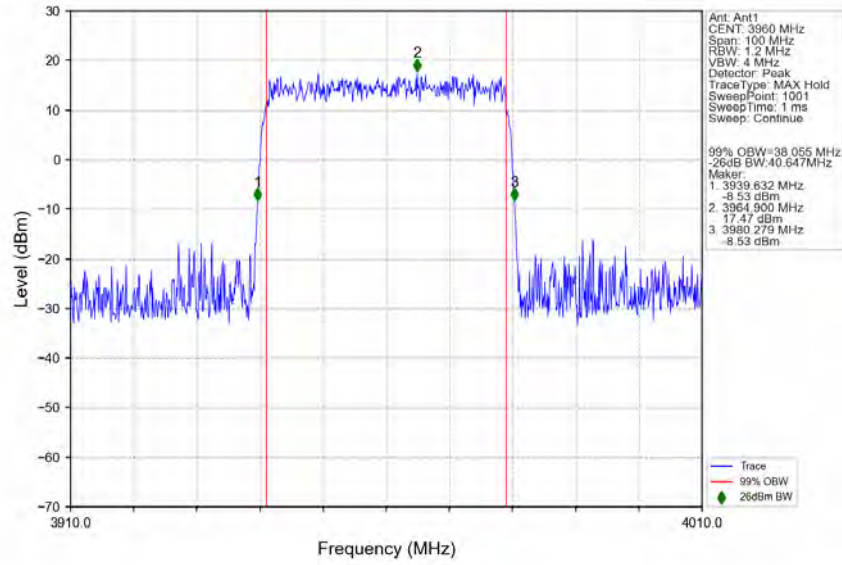
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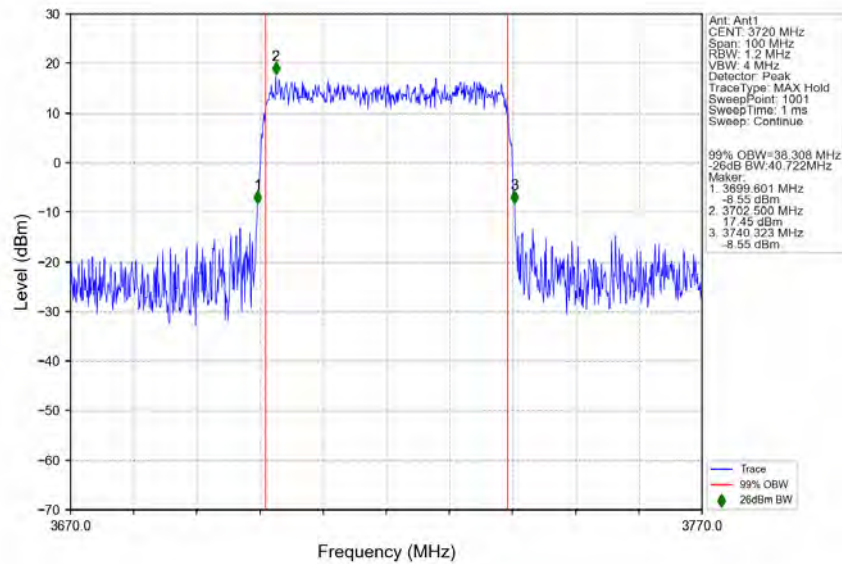
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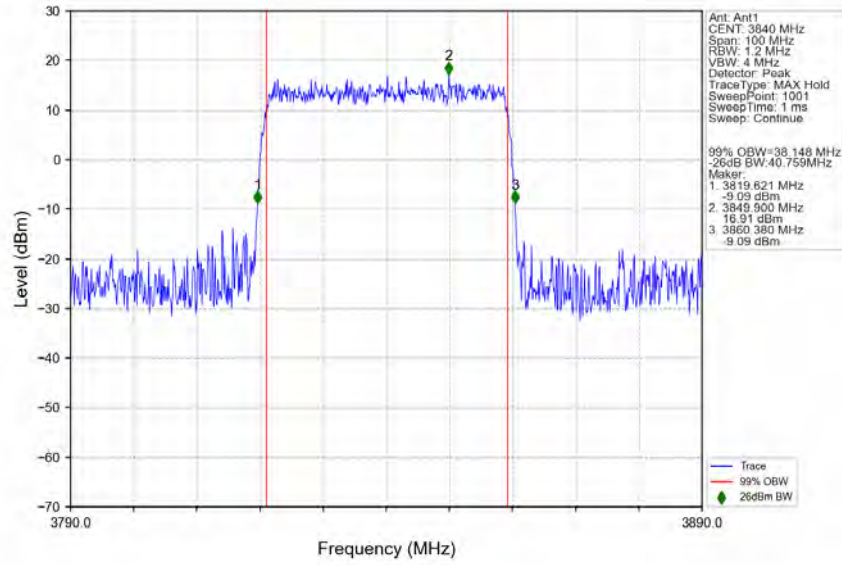
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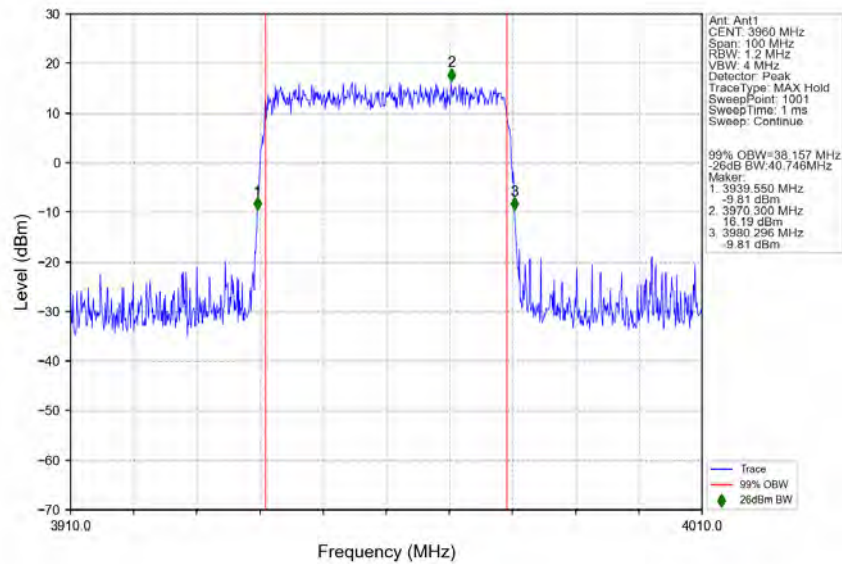
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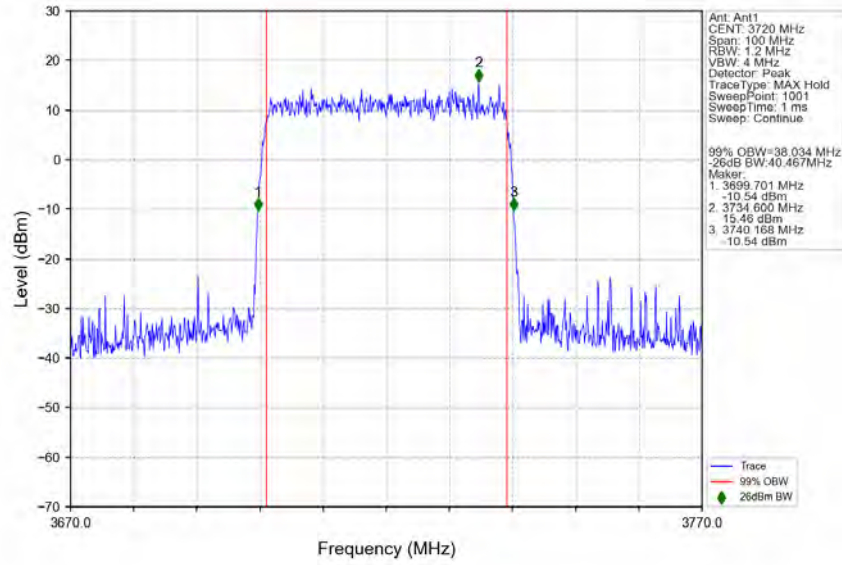
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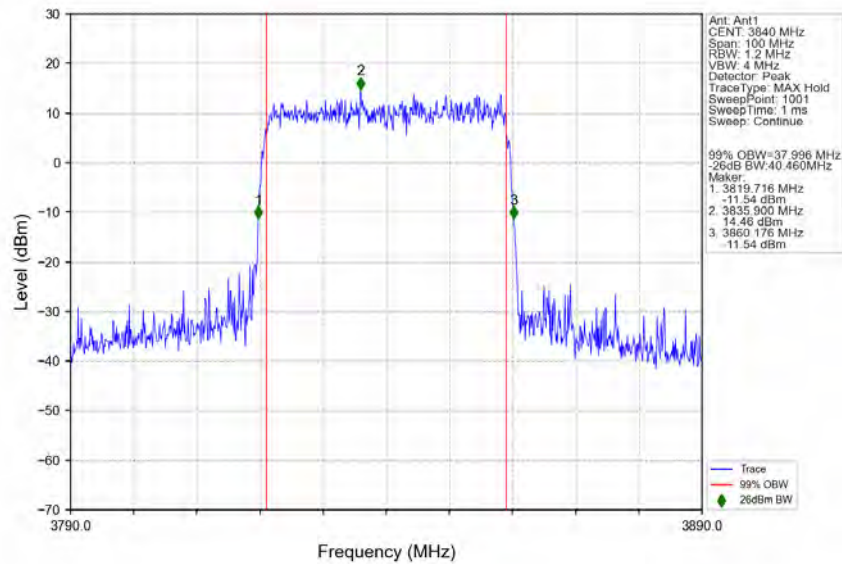
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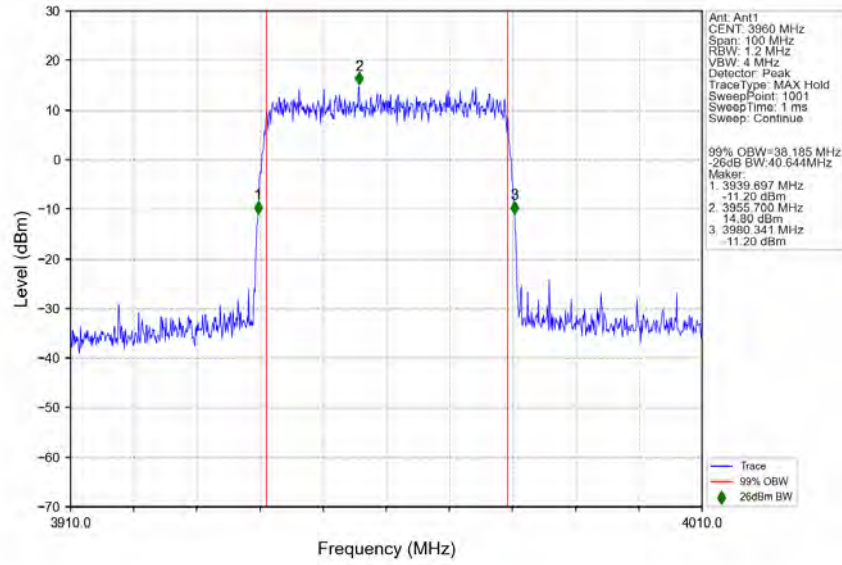
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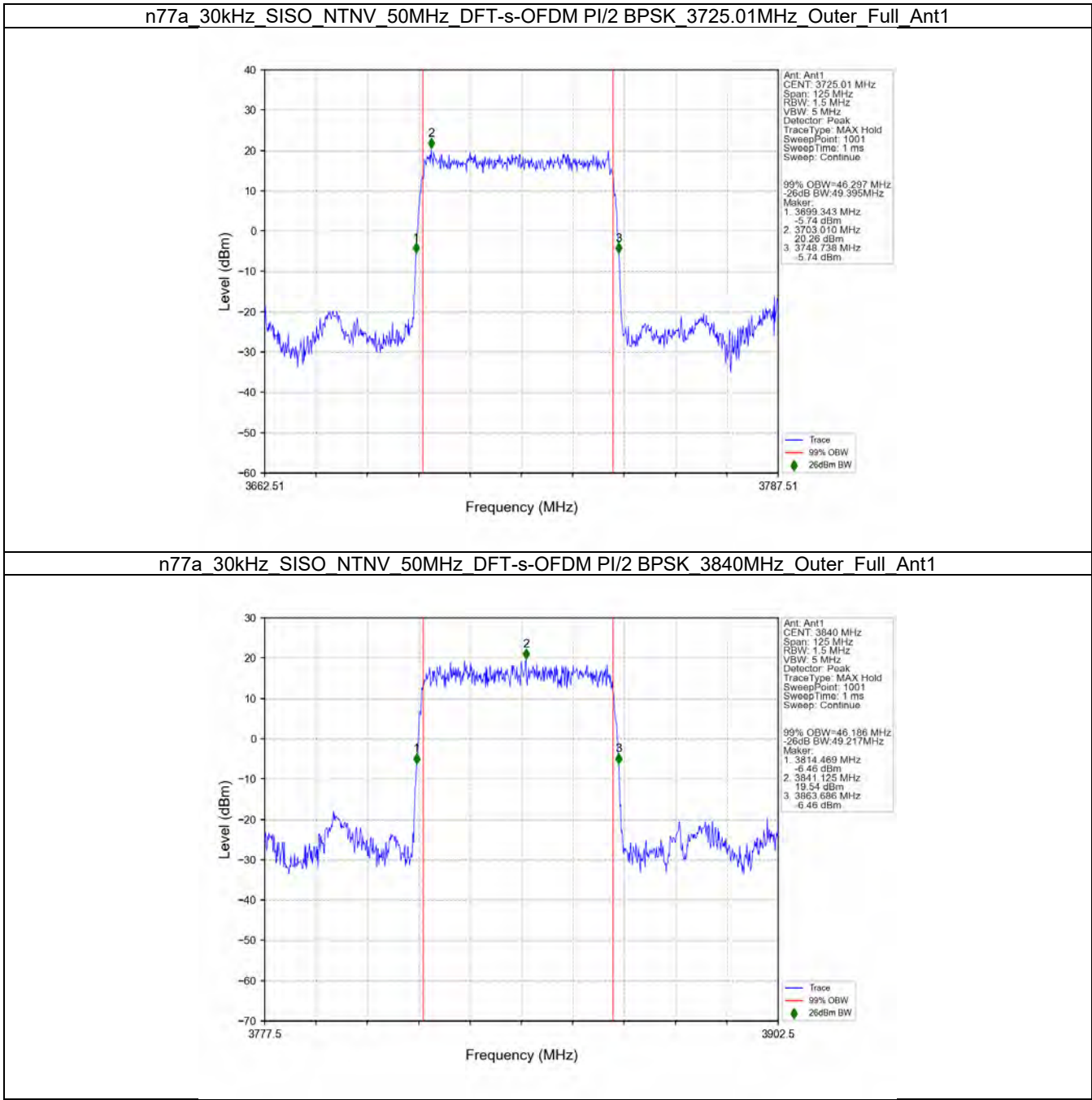
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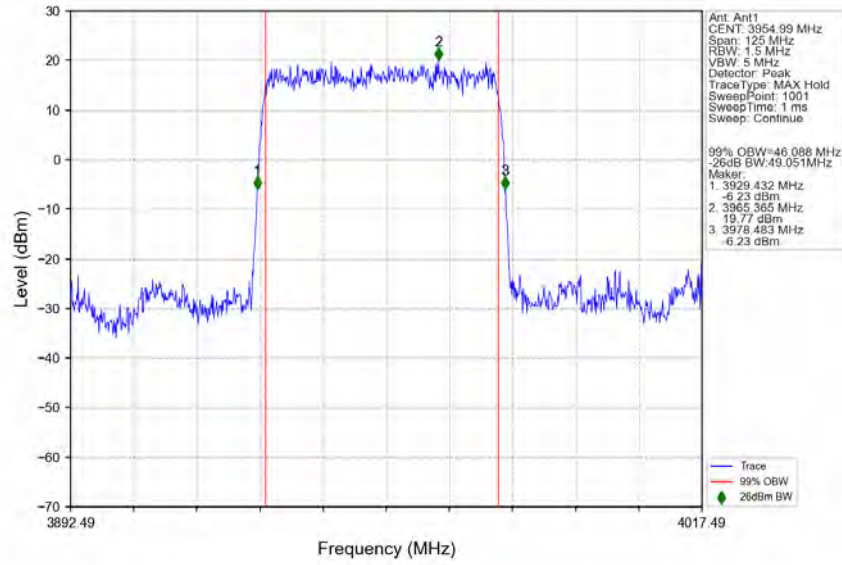
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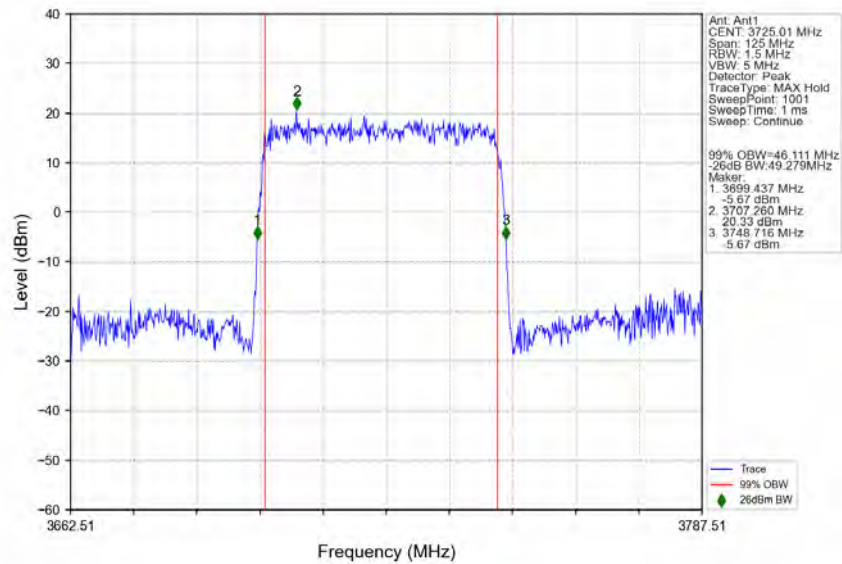
3.2.5 30k_SISO_50MHz_NTNV



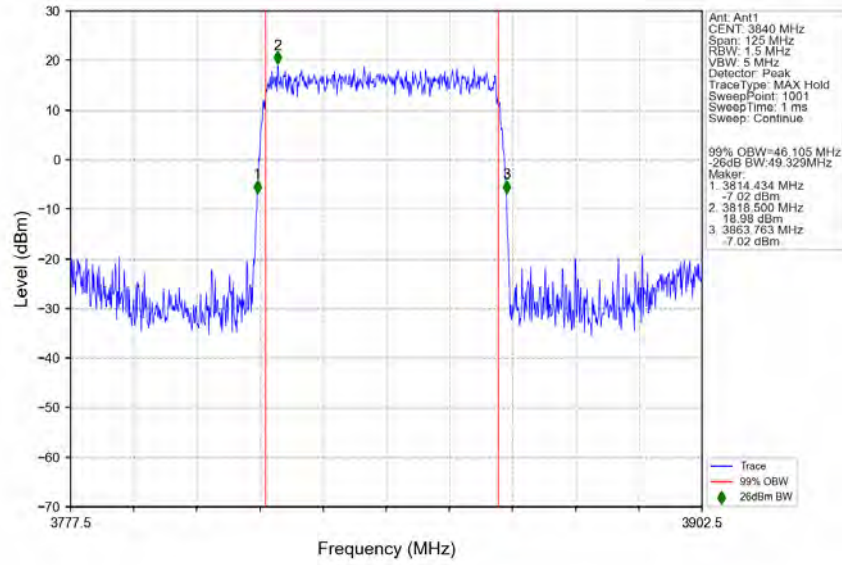
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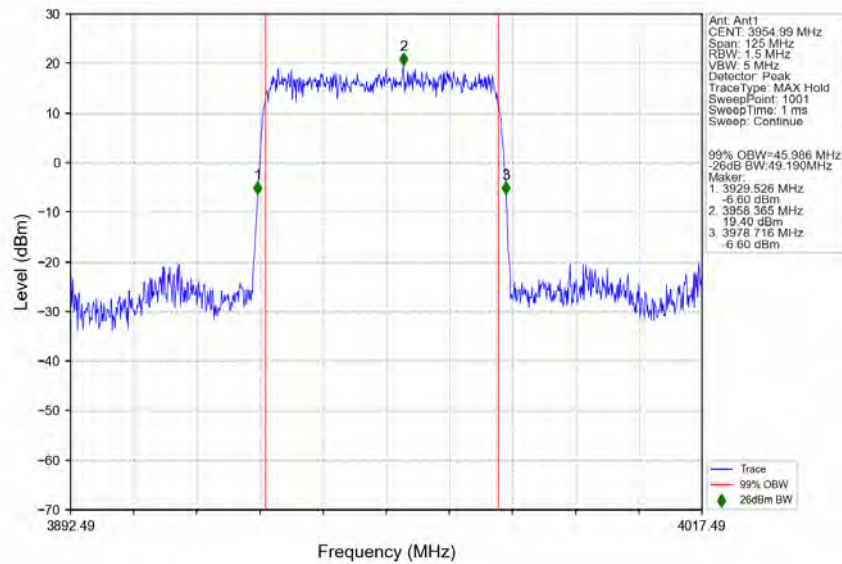
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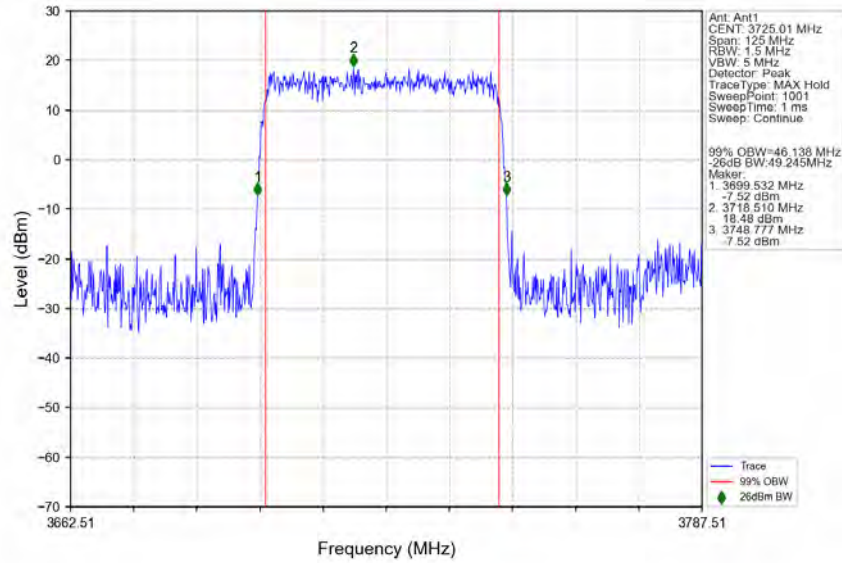
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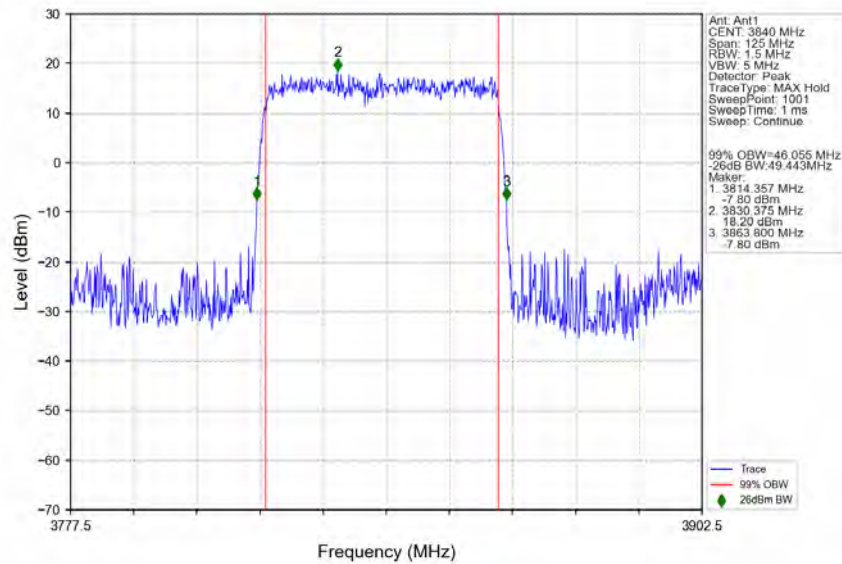
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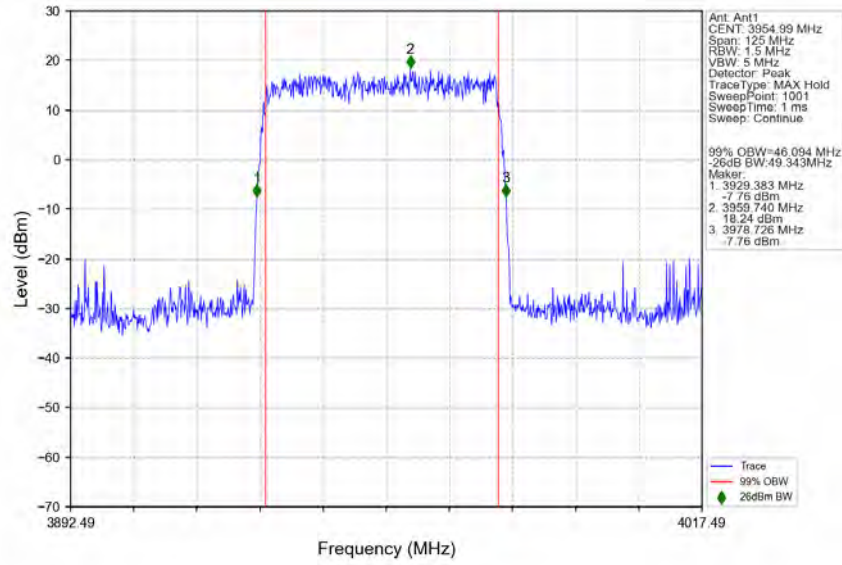
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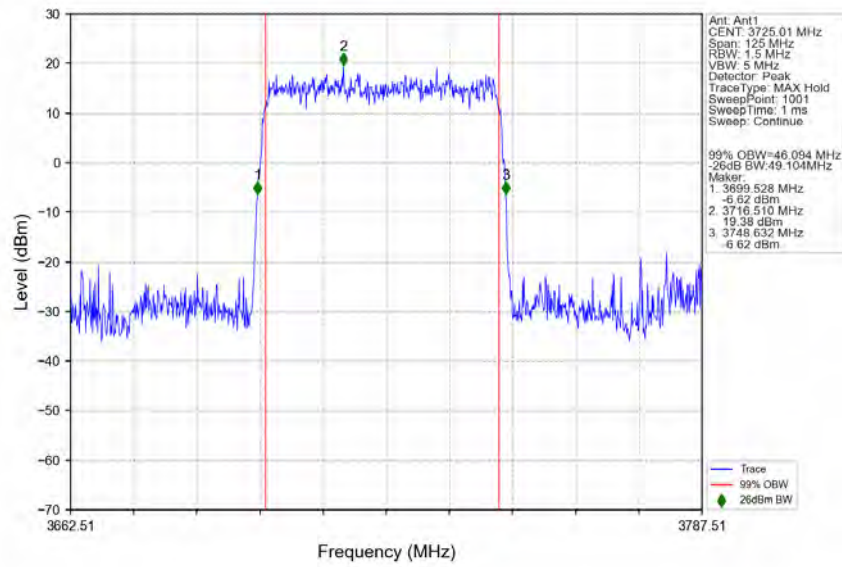
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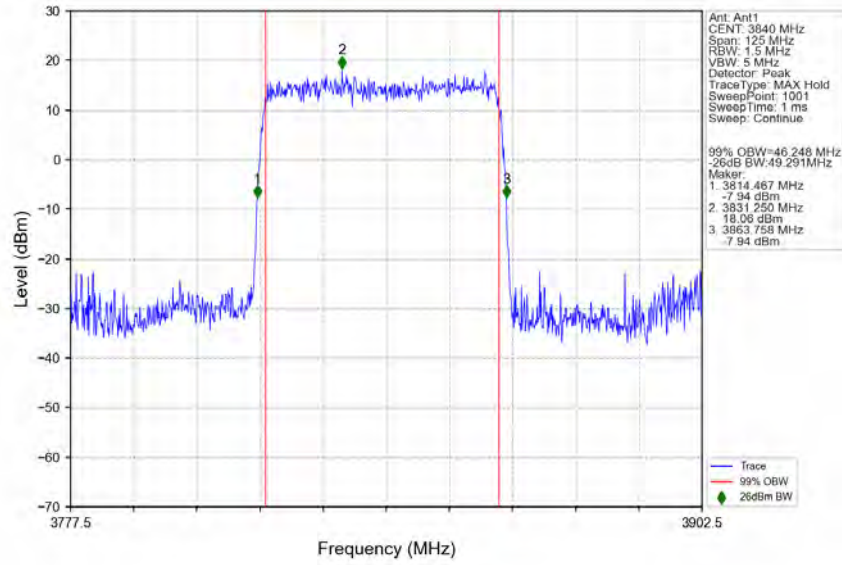
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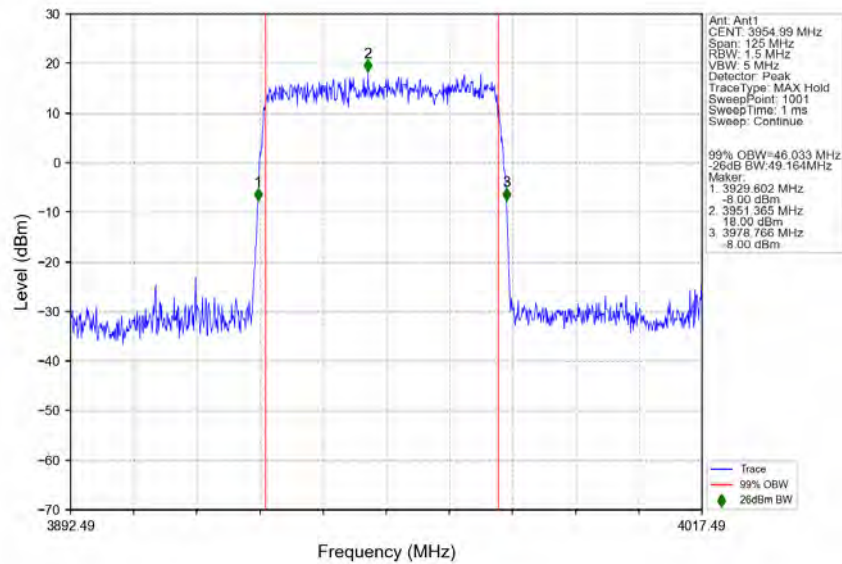
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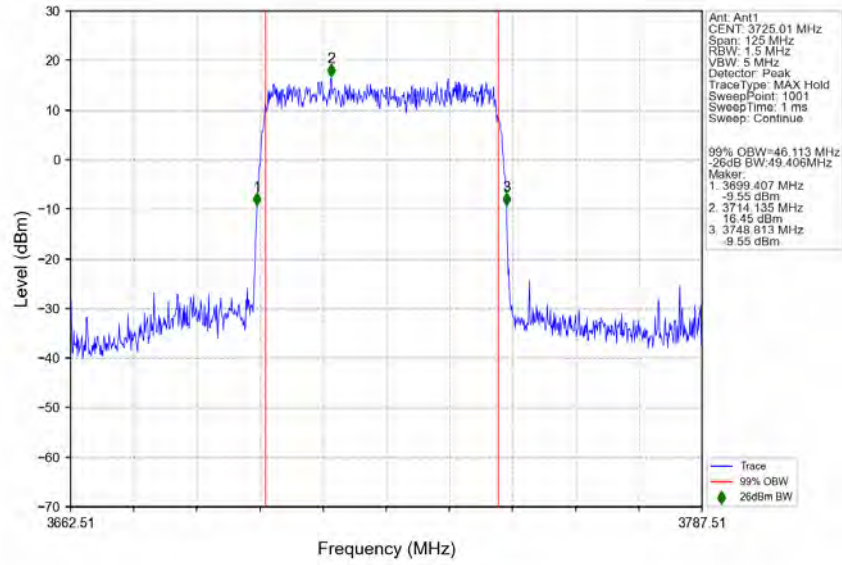
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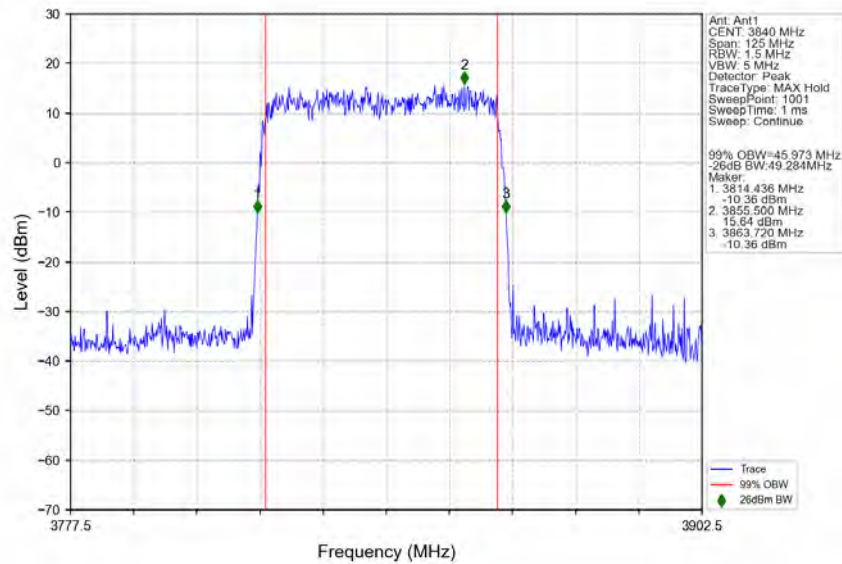
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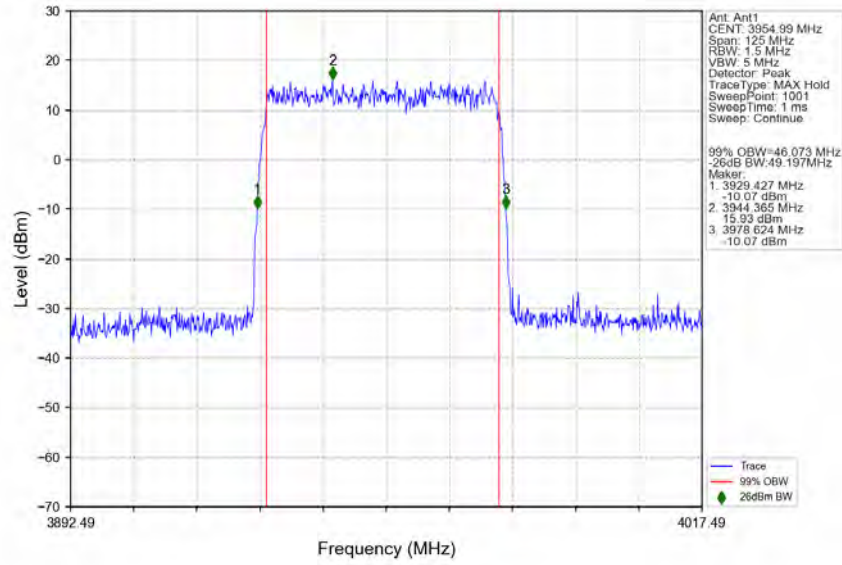
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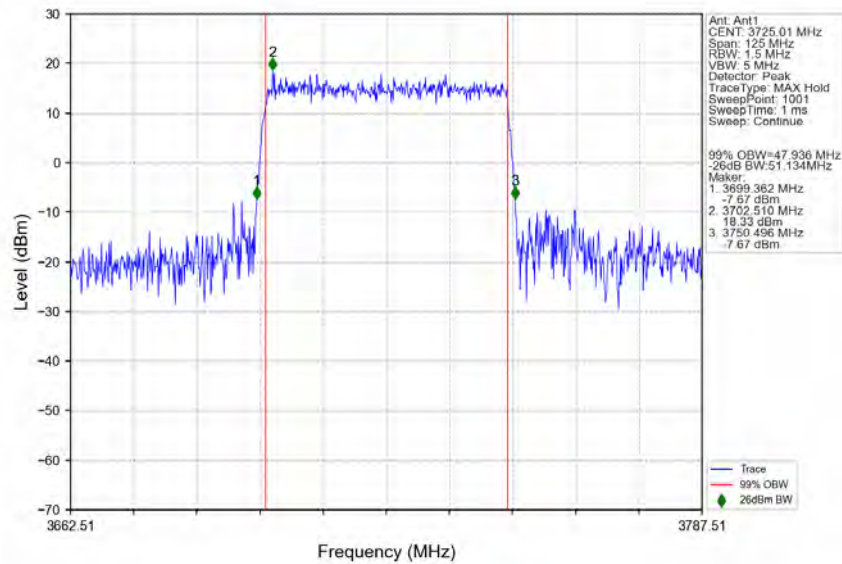
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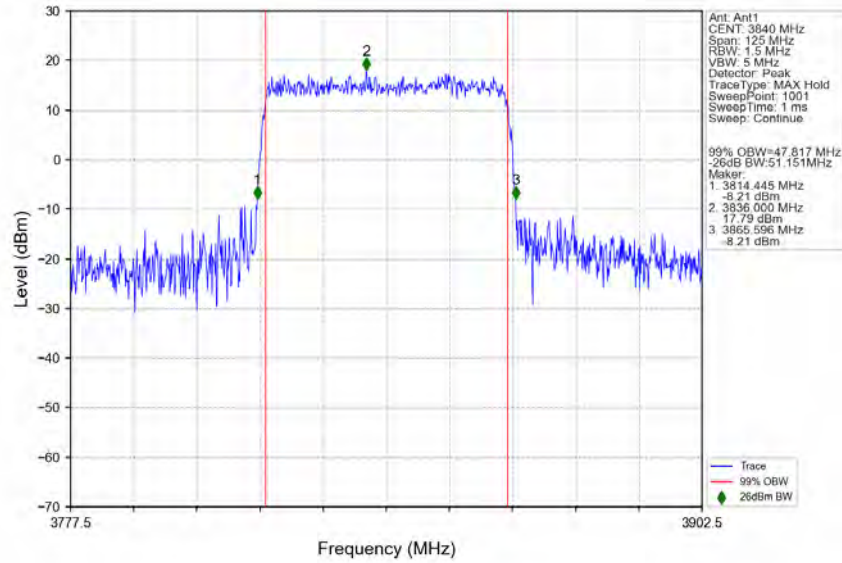
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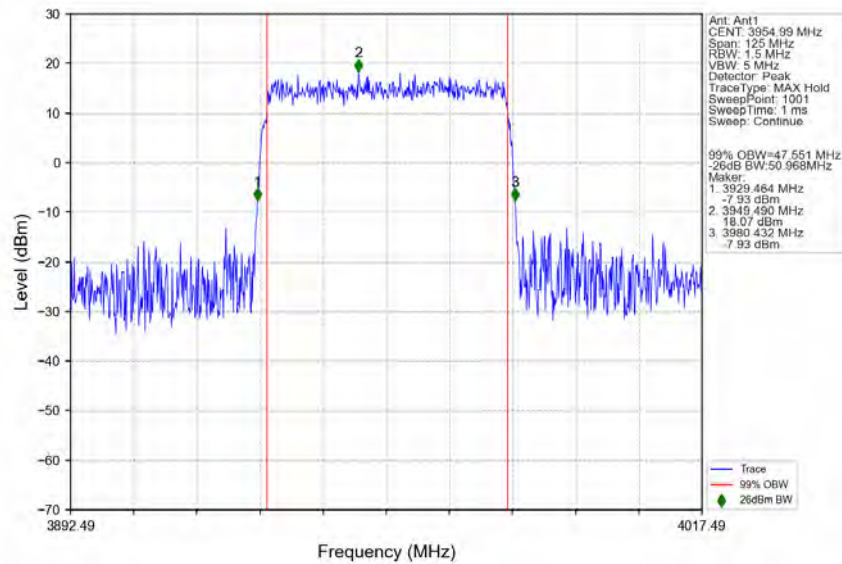
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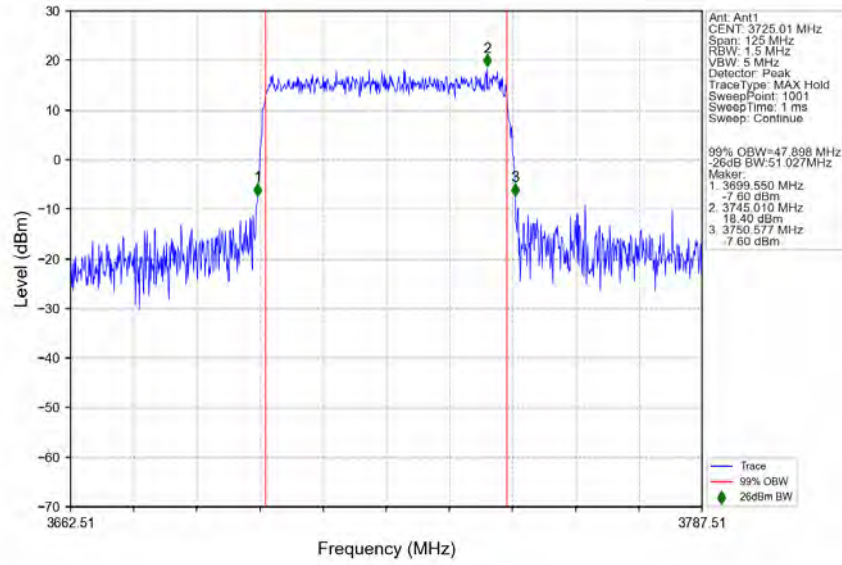
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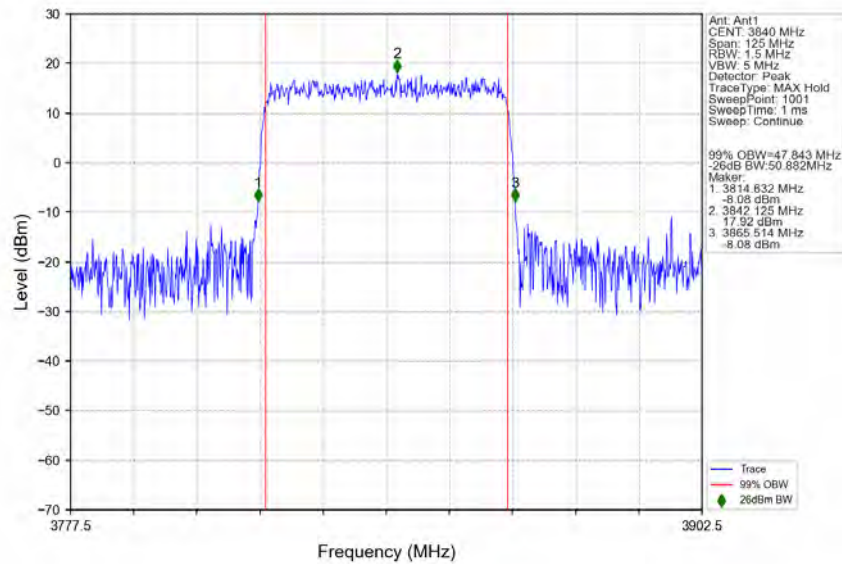
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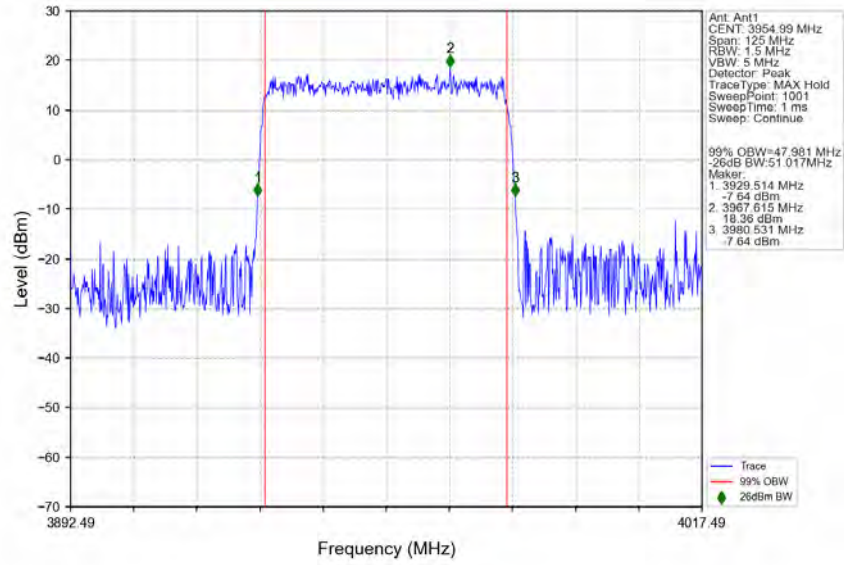
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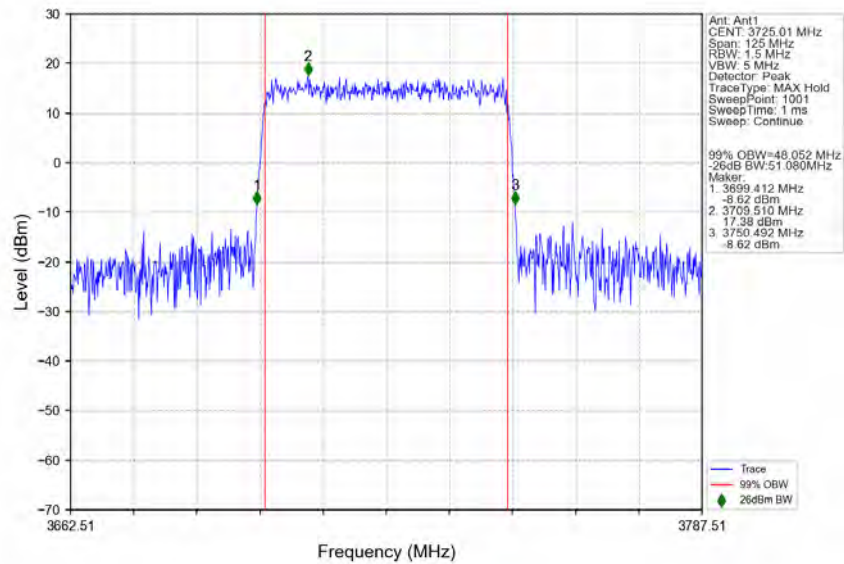
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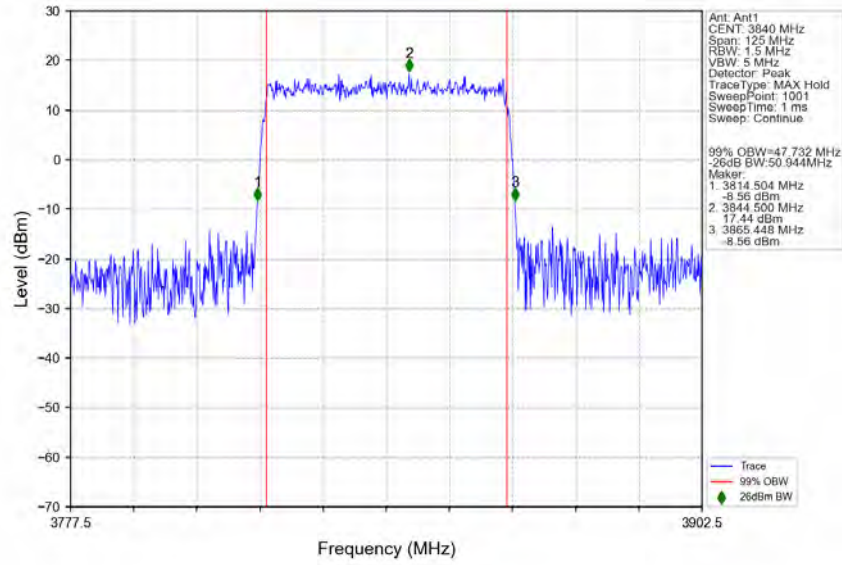
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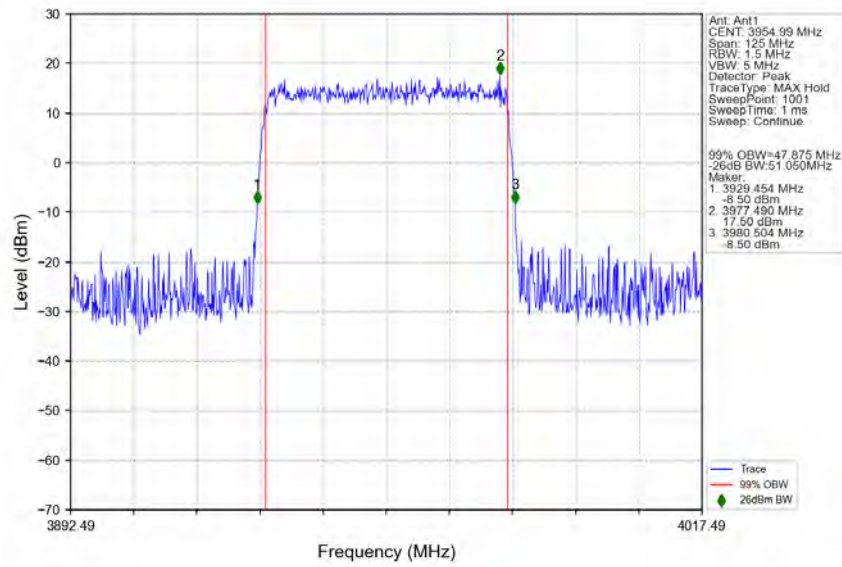
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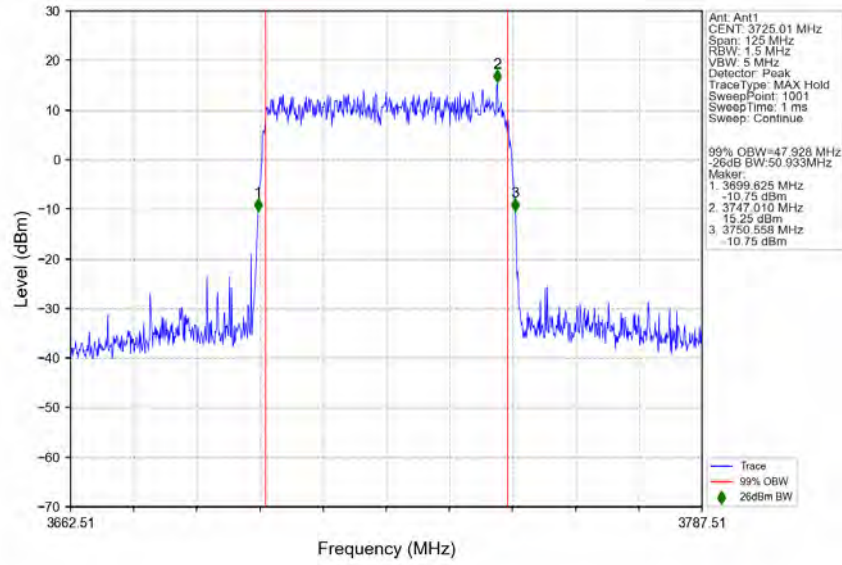
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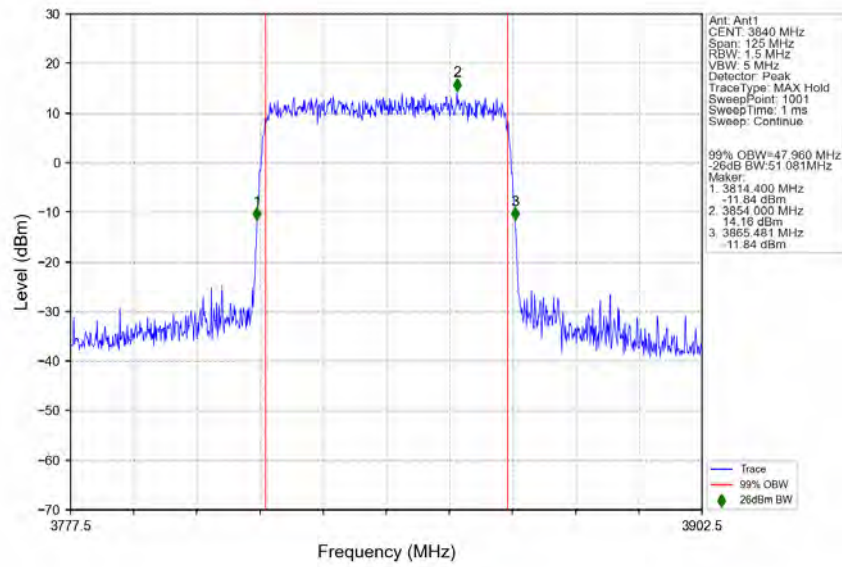
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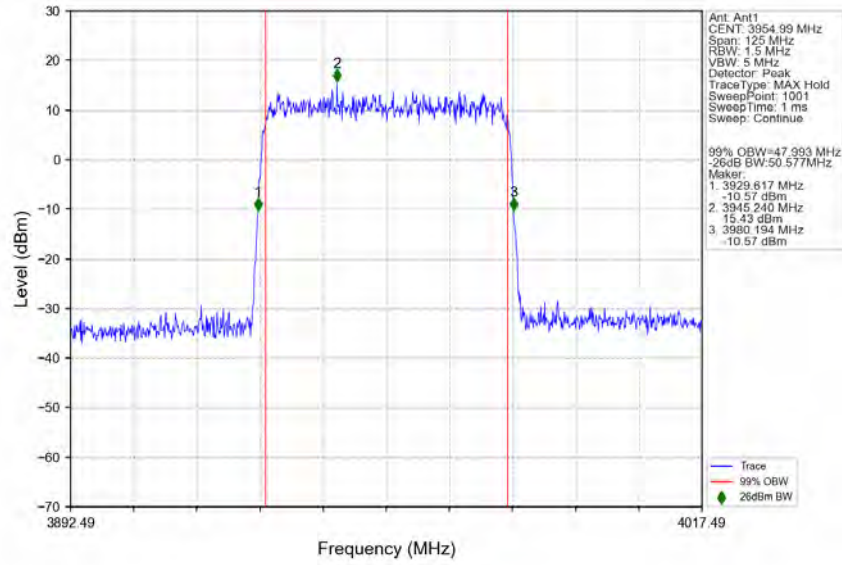
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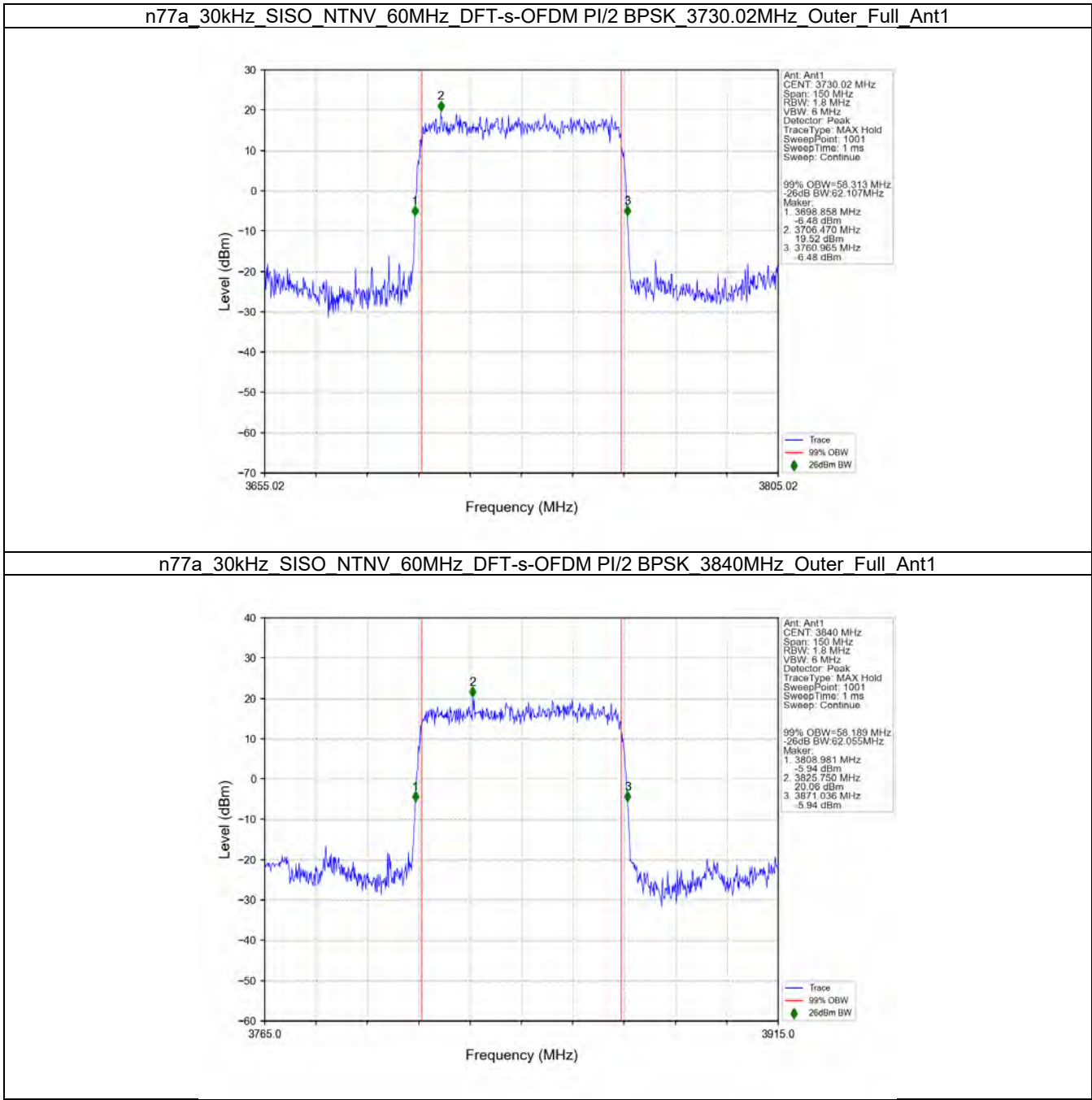
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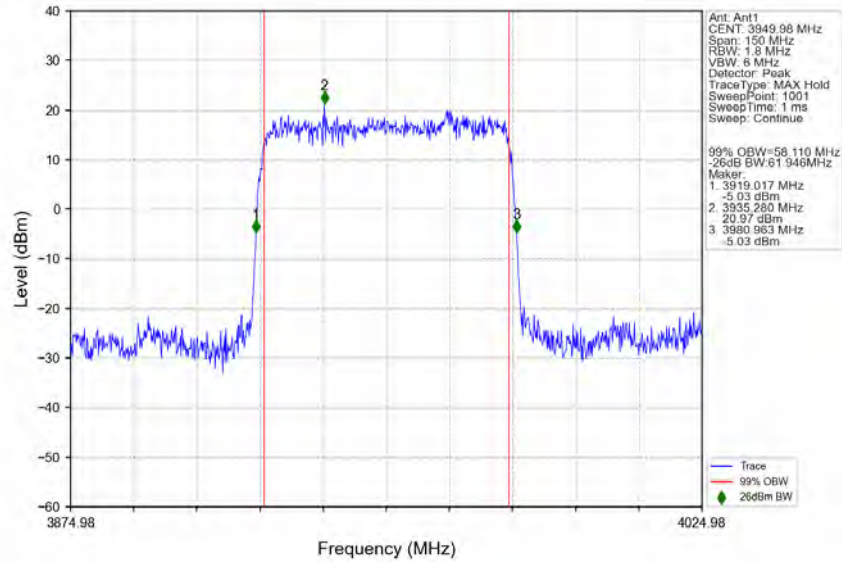
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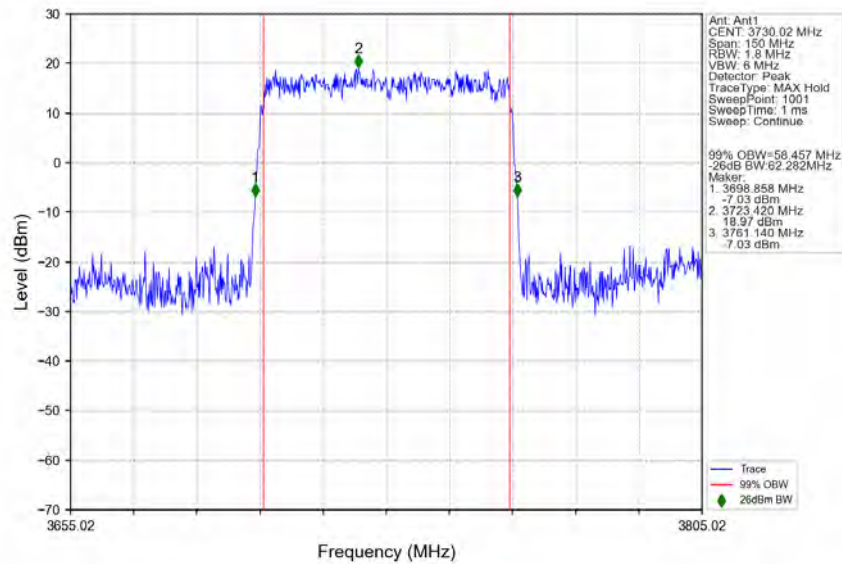
3.2.6 30k_SISO_60MHz_NTNV



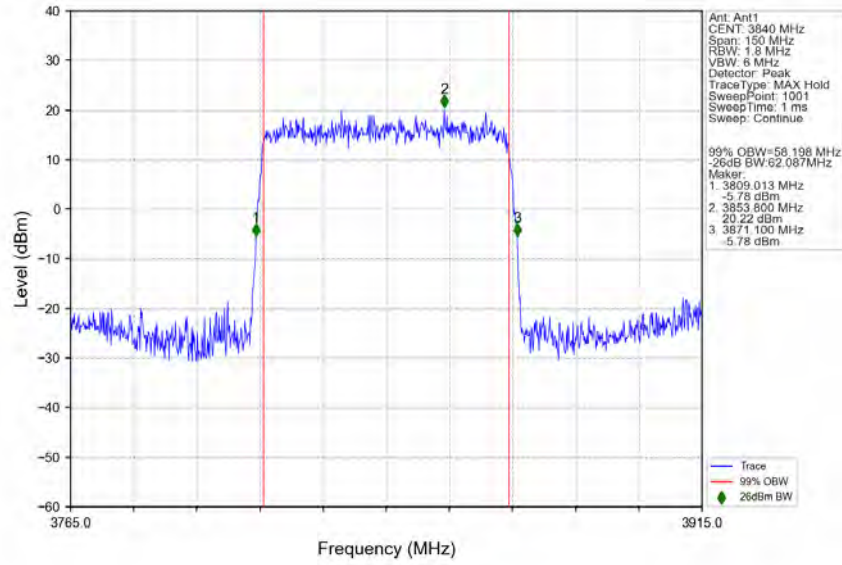
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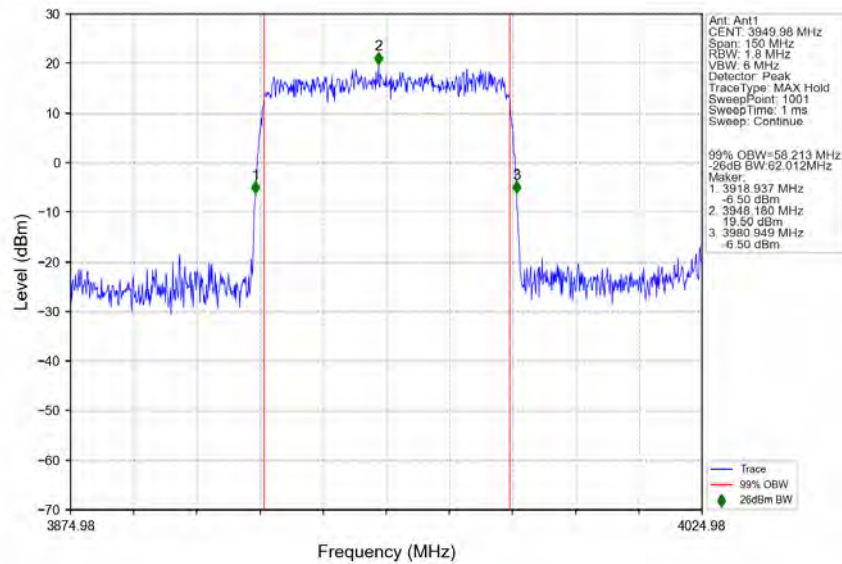
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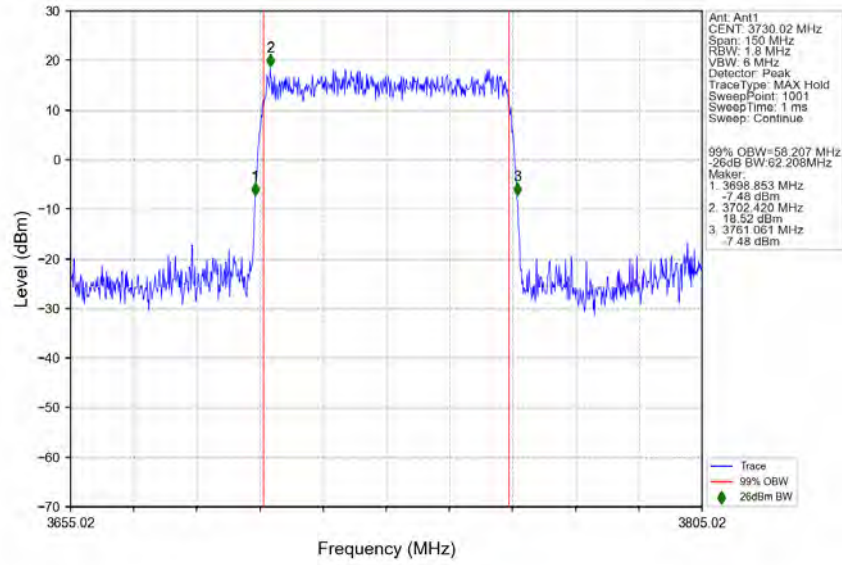
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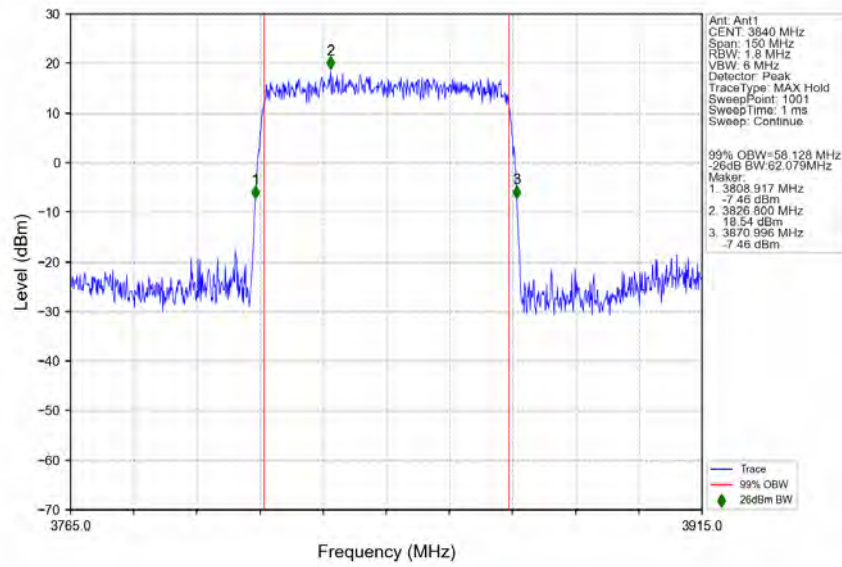
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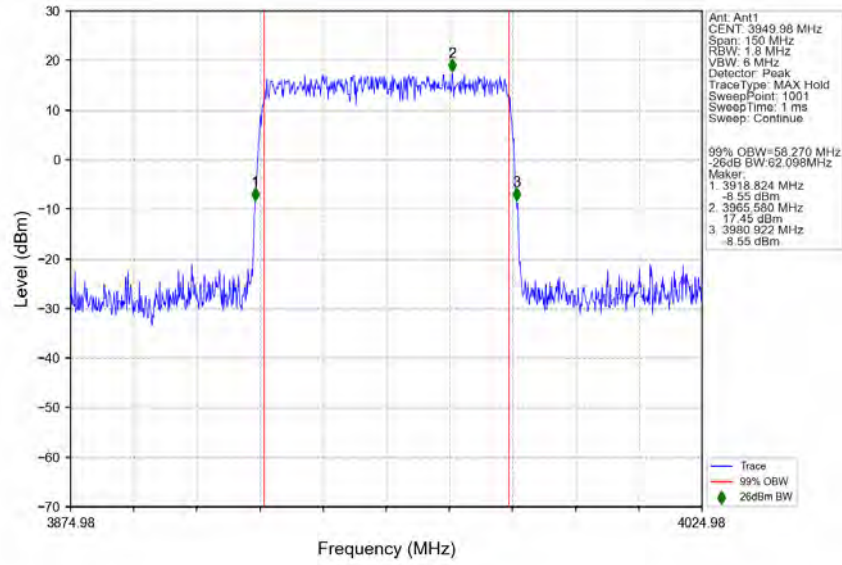
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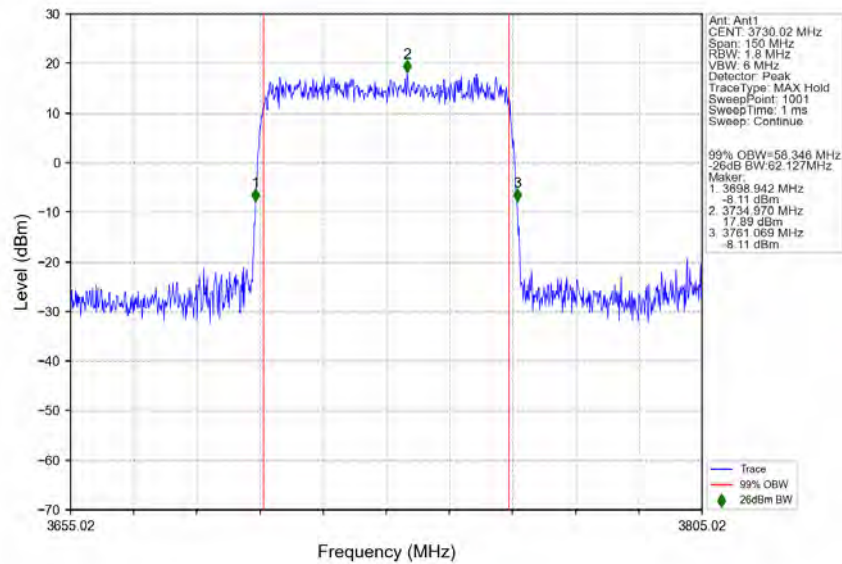
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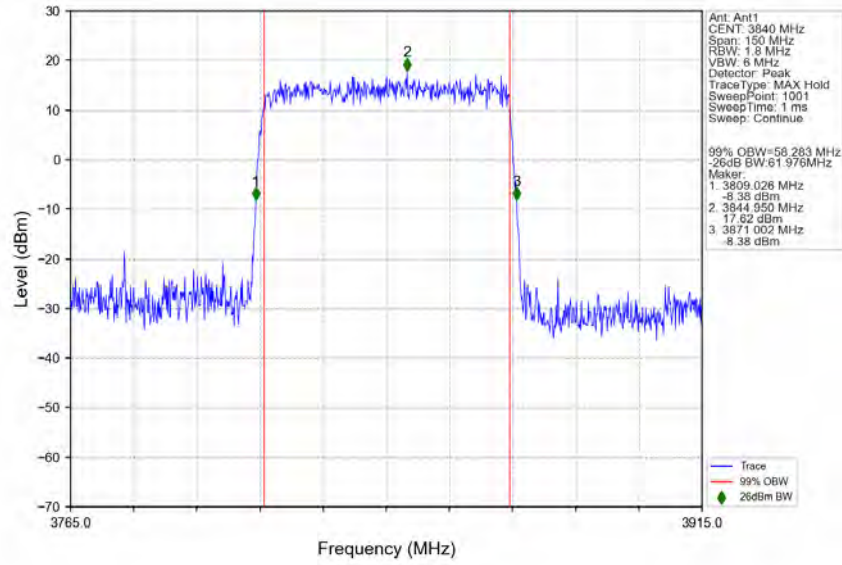
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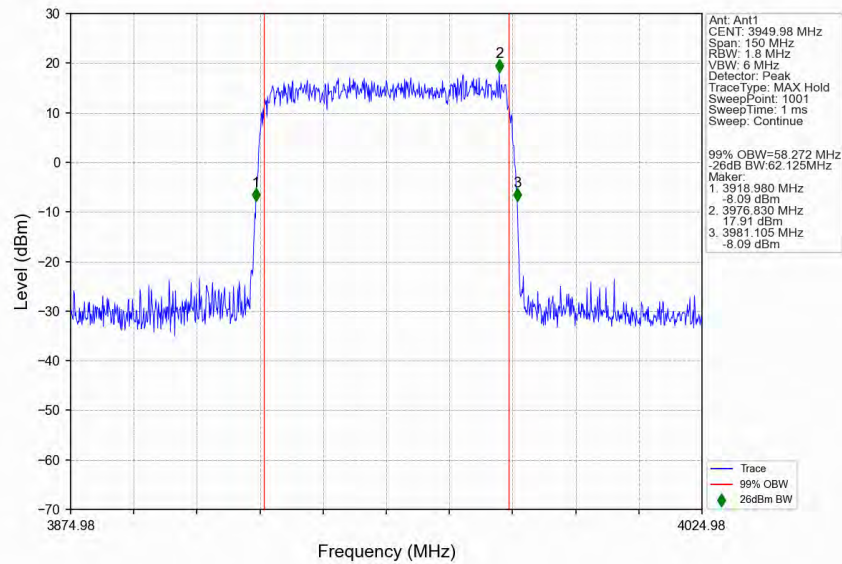
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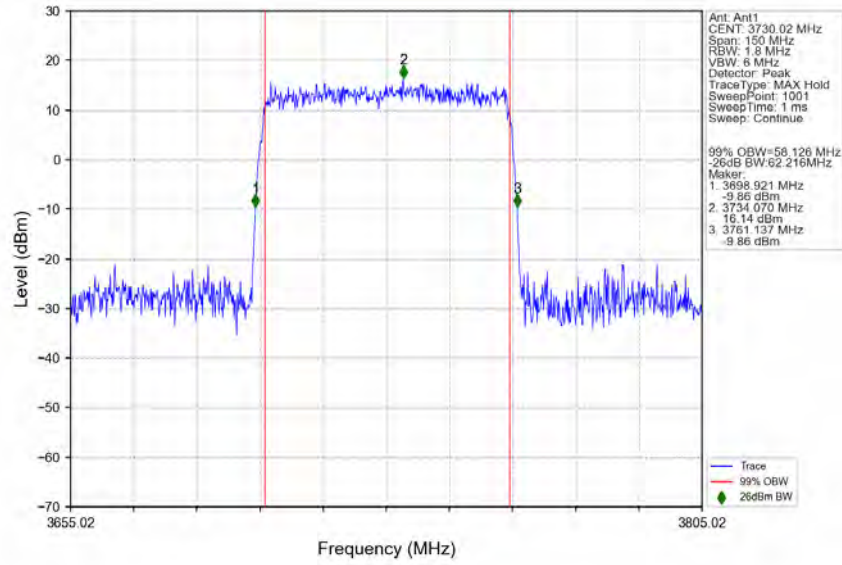
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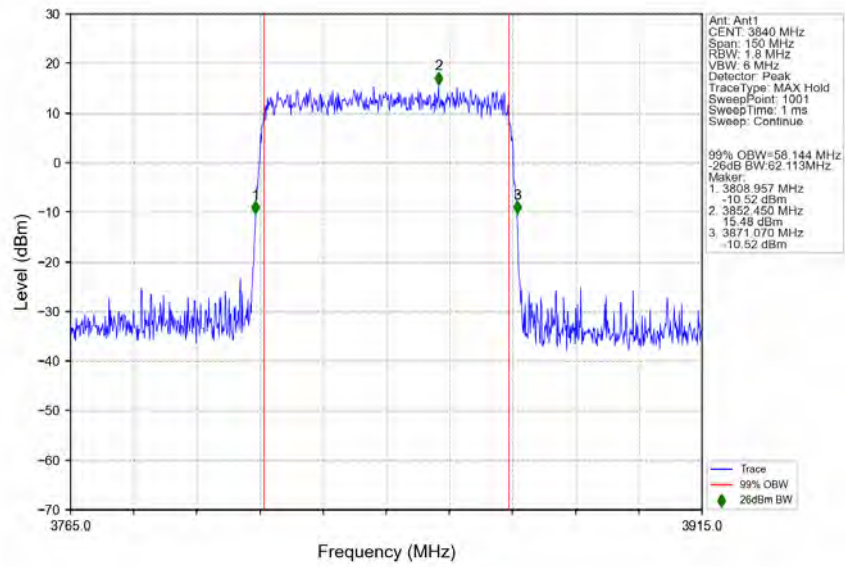
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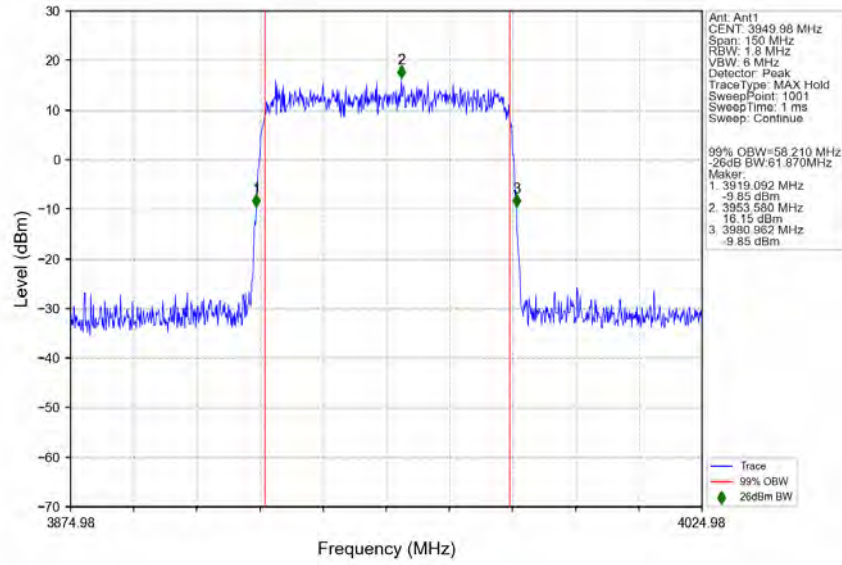
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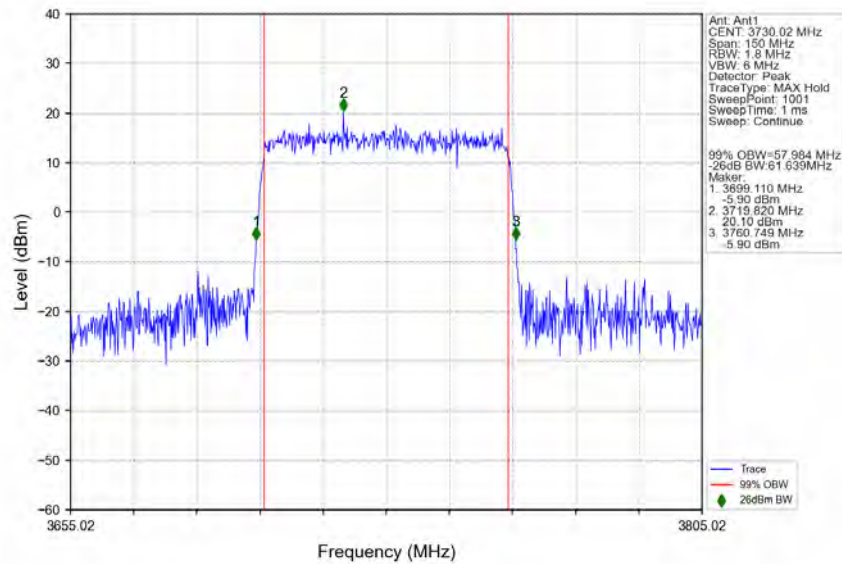
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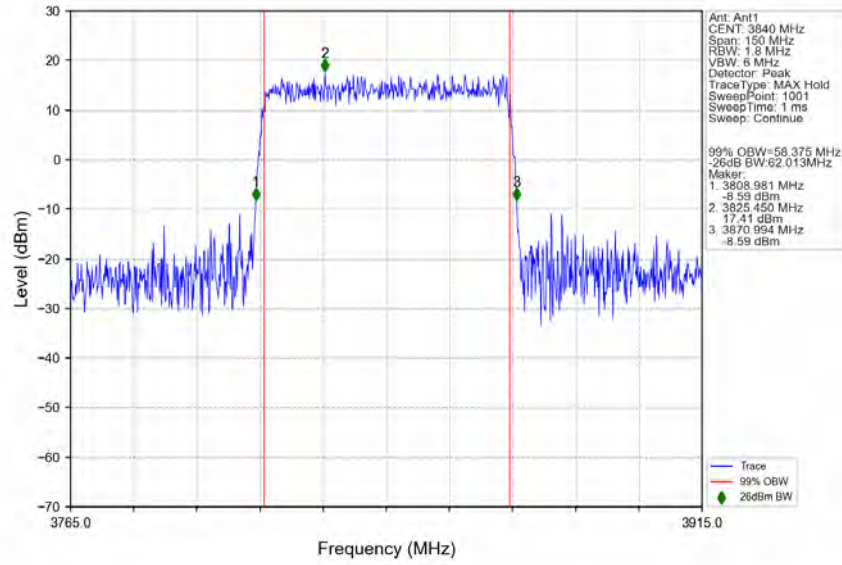
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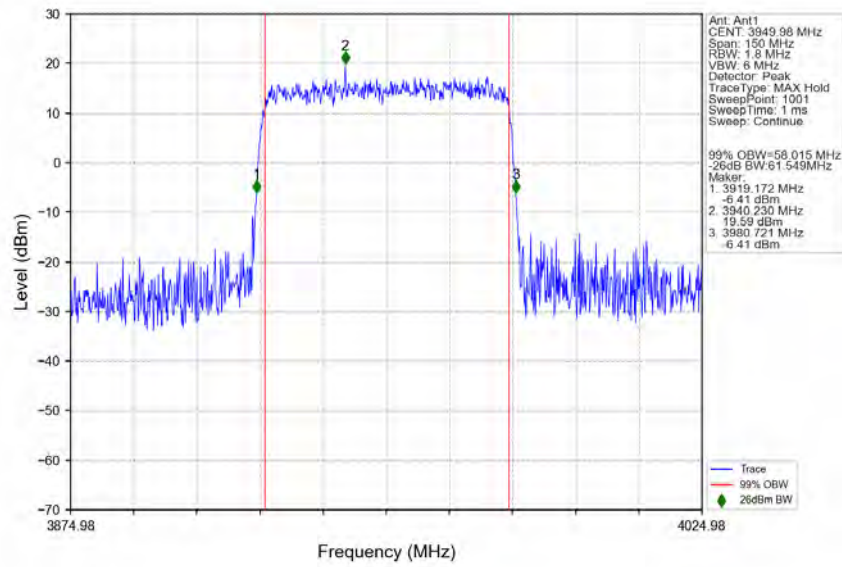
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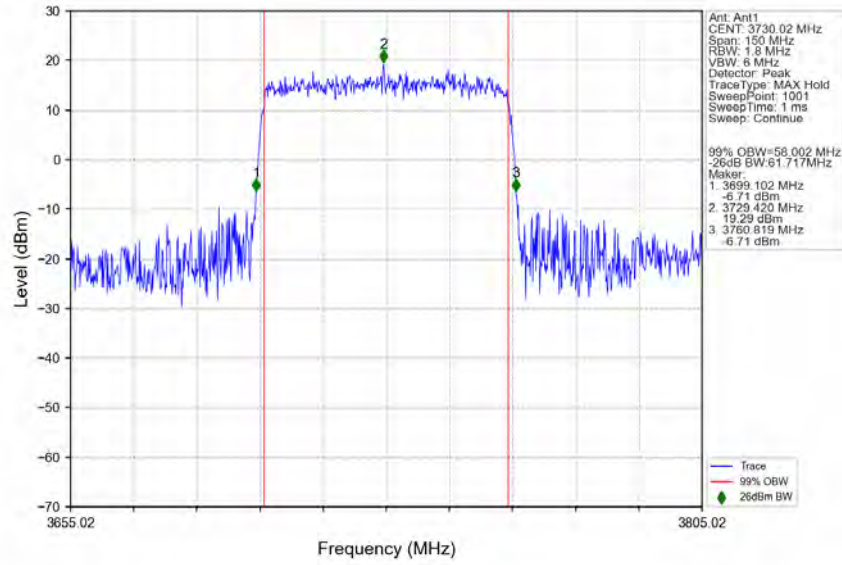
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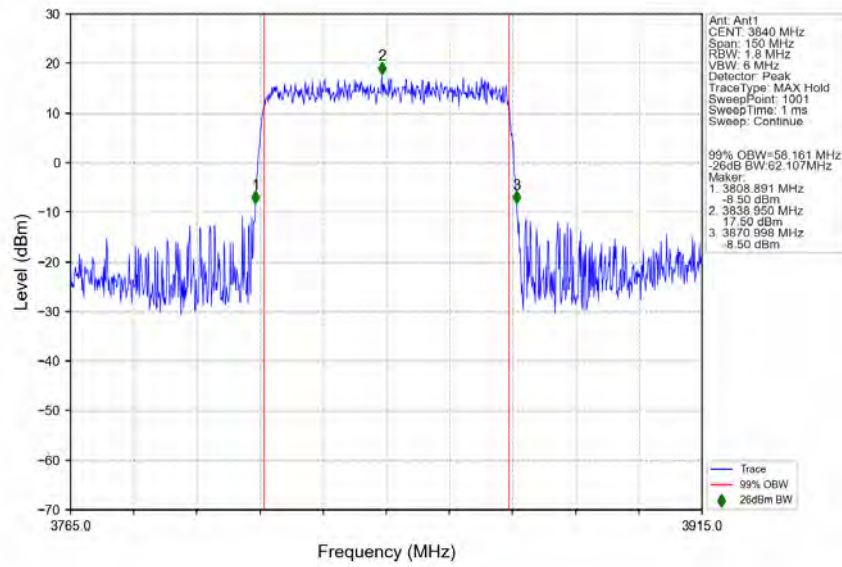
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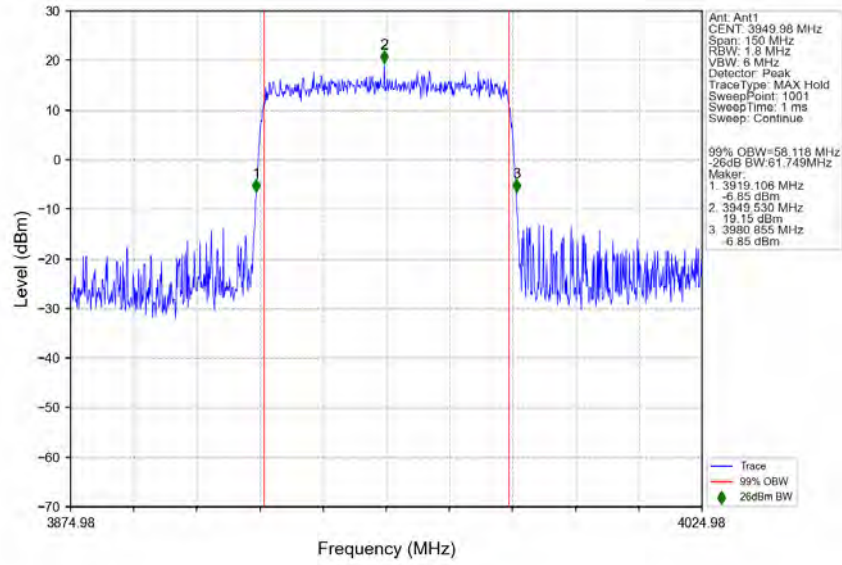
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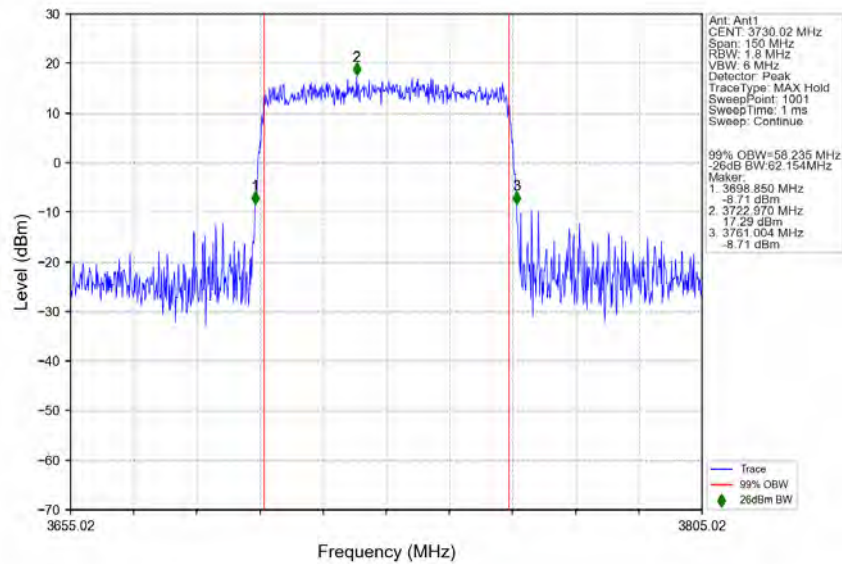
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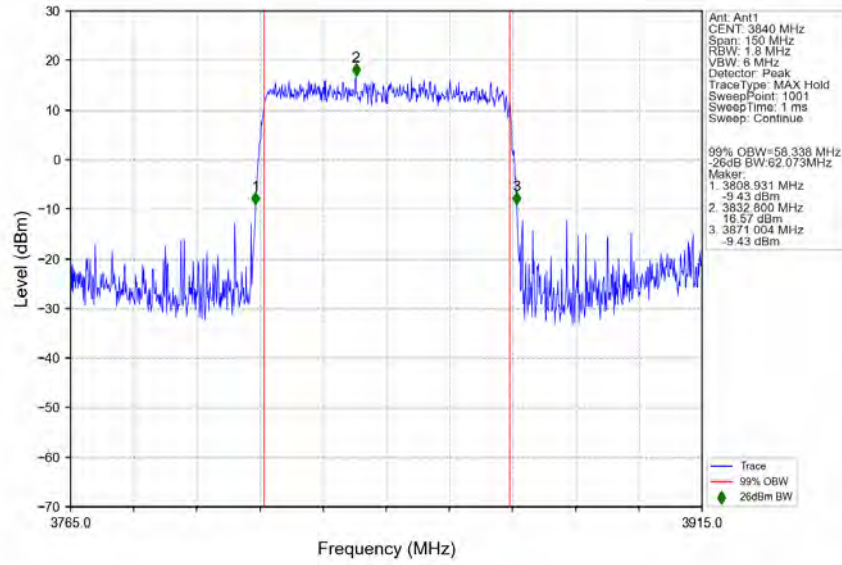
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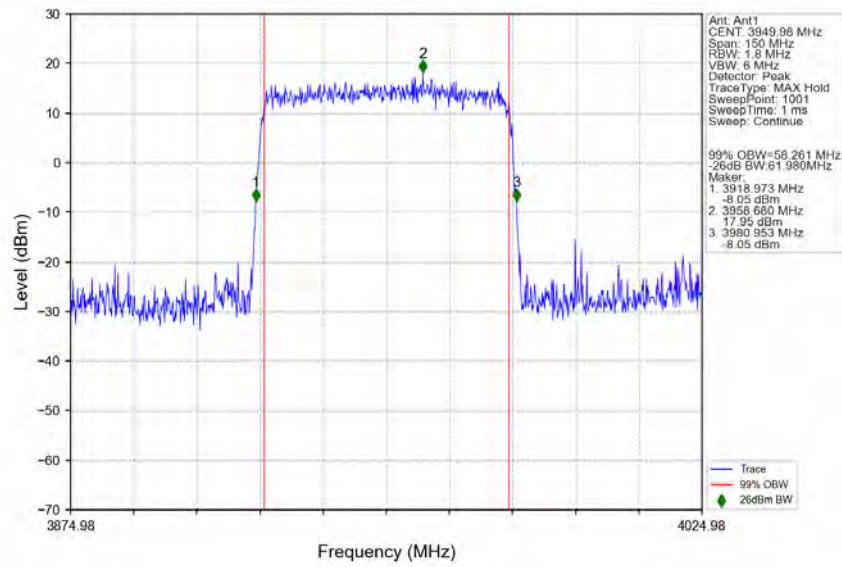
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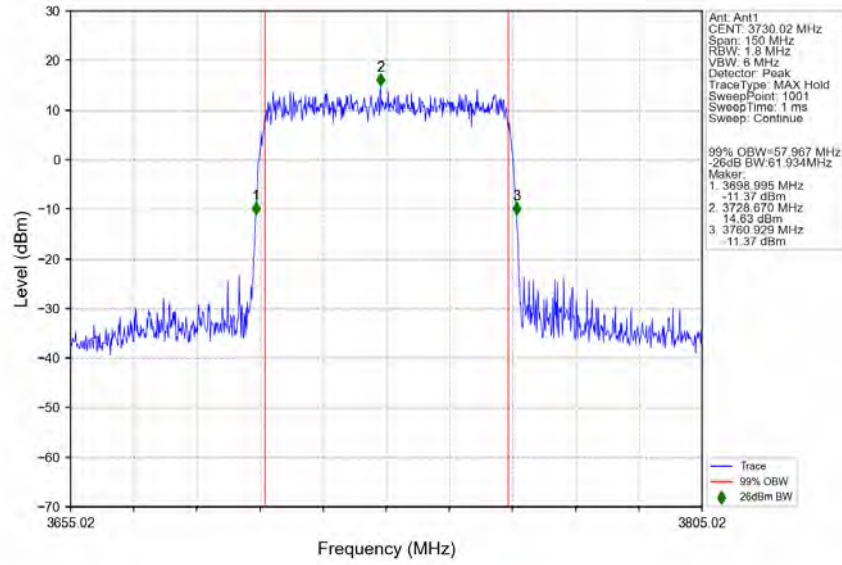
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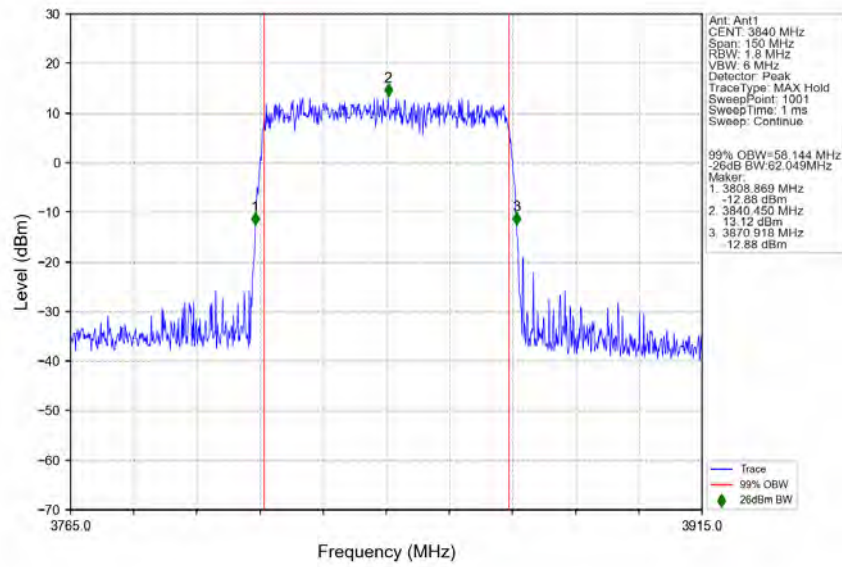
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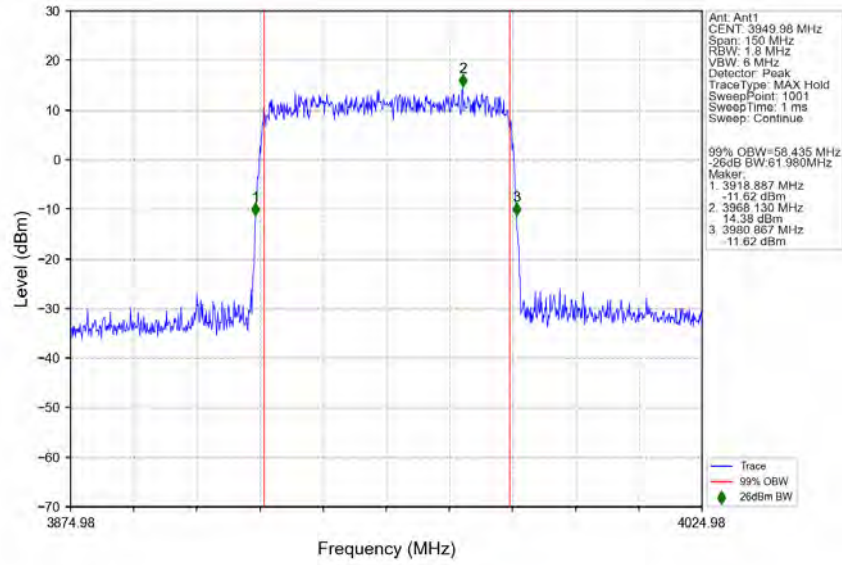
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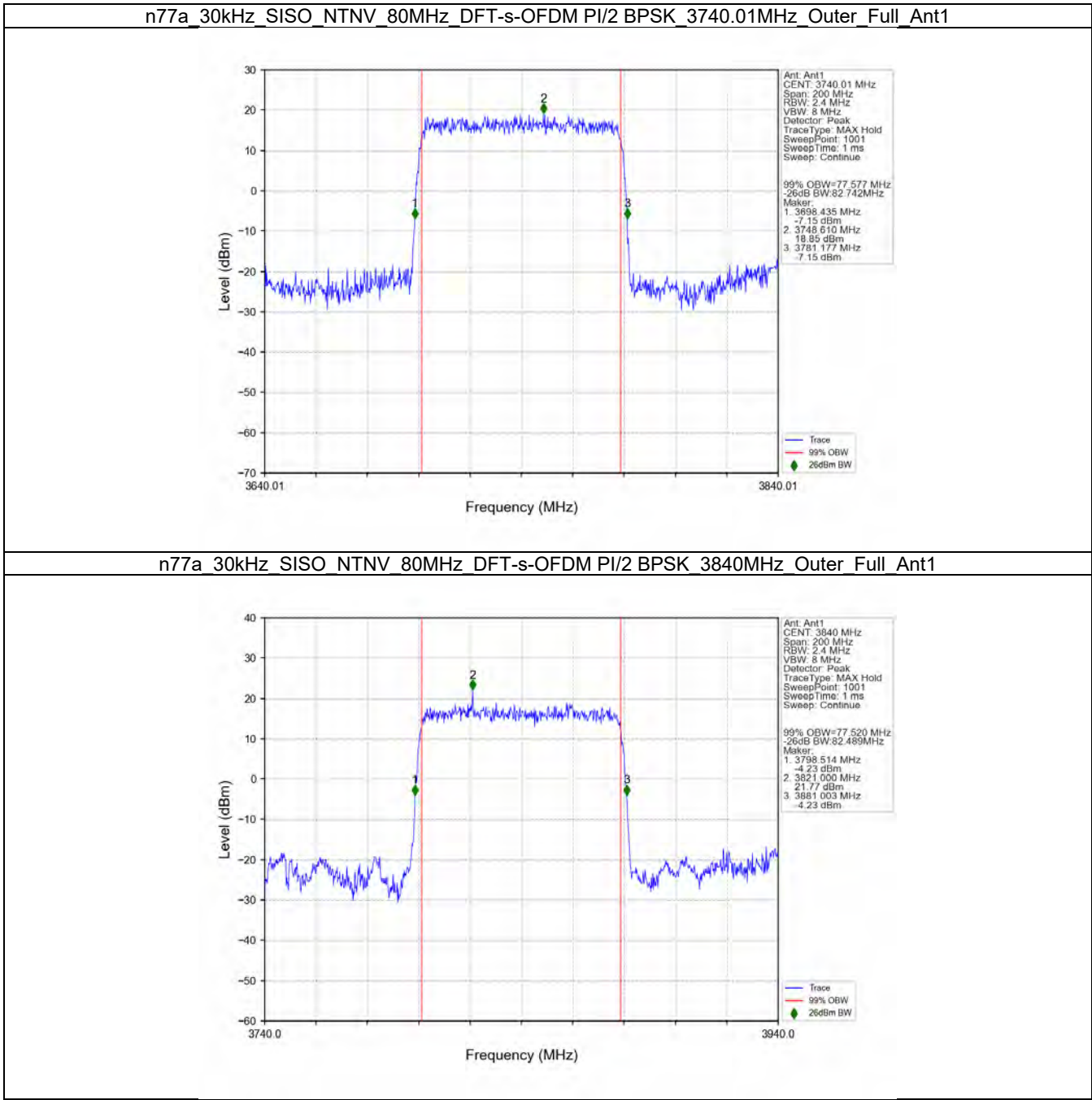
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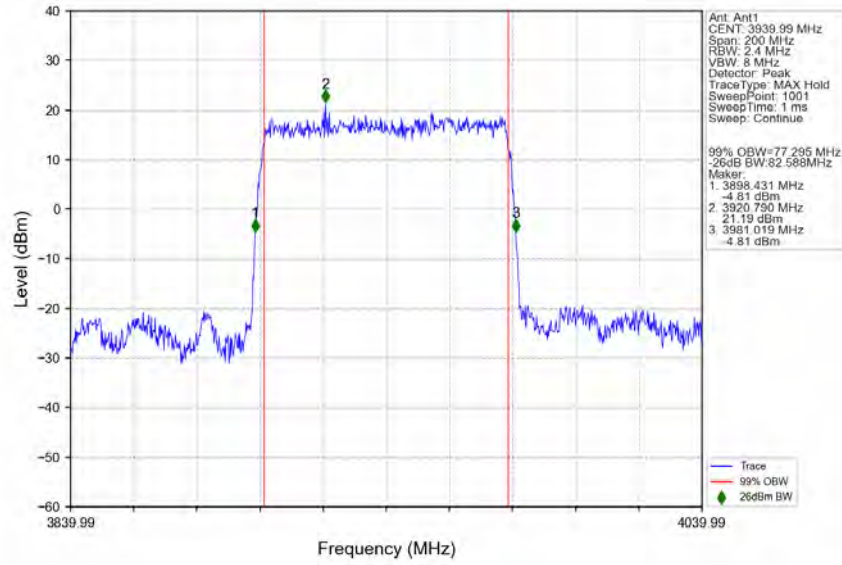
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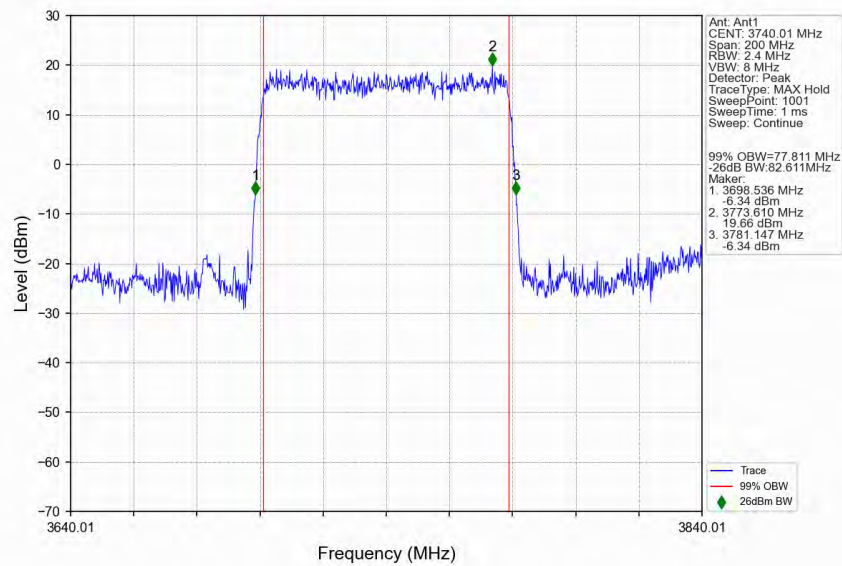
3.2.7 30k_SISO_80MHz_NTNV



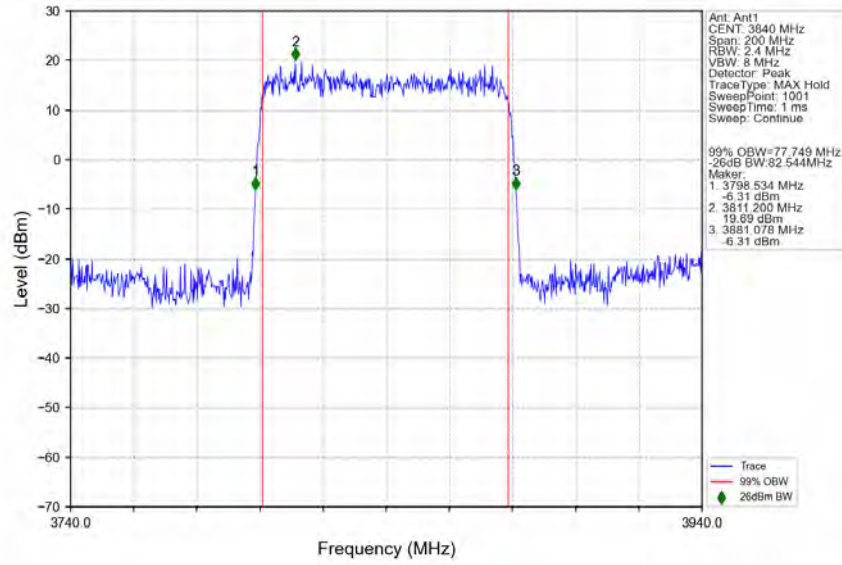
n77a_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM PI/2 BPSK_3939.99MHz_Outer_Full_Ant1



n77a_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM QPSK_3740.01MHz_Outer_Full_Ant1



n77a_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_QPSK_3840MHz_Outer_Full_Ant1



n77a_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM_QPSK_3939.99MHz_Outer_Full_Ant1

