

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	21.42	/	/	22.82	/	/	<=30	Pass
		Edge 1RB Right	21.57	/	/	22.97	/	/	<=30	Pass
		Outer Full	24.44	/	/	25.84	/	/	<=30	Pass
		Inner Full	24.98	/	/	26.38	/	/	<=30	Pass
		Inner 1RB Left	24.80	/	/	26.20	/	/	<=30	Pass
		Inner 1RB Right	24.89	/	/	26.29	/	/	<=30	Pass
	3840	Edge 1RB Left	22.01	/	/	23.41	/	/	<=30	Pass
		Edge 1RB Right	22.06	/	/	23.46	/	/	<=30	Pass
		Outer Full	25.05	/	/	26.45	/	/	<=30	Pass
		Inner Full	25.54	/	/	26.94	/	/	<=30	Pass
		Inner 1RB Left	25.36	/	/	26.76	/	/	<=30	Pass
		Inner 1RB Right	25.47	/	/	26.87	/	/	<=30	Pass
	3975	Edge 1RB Left	21.99	/	/	23.39	/	/	<=30	Pass
		Edge 1RB Right	22.04	/	/	23.44	/	/	<=30	Pass
		Outer Full	24.98	/	/	26.38	/	/	<=30	Pass
		Inner Full	25.48	/	/	26.88	/	/	<=30	Pass
		Inner 1RB Left	25.36	/	/	26.76	/	/	<=30	Pass
		Inner 1RB Right	25.38	/	/	26.78	/	/	<=30	Pass
DFT-s-OFDM QPSK	3705	Edge 1RB Left	21.44	/	/	22.84	/	/	<=30	Pass
		Edge 1RB Right	21.60	/	/	23.00	/	/	<=30	Pass
		Outer Full	23.87	/	/	25.27	/	/	<=30	Pass
		Inner Full	24.99	/	/	26.39	/	/	<=30	Pass
		Inner 1RB Left	24.95	/	/	26.35	/	/	<=30	Pass
		Inner 1RB Right	24.90	/	/	26.30	/	/	<=30	Pass
	3840	Edge 1RB Left	22.10	/	/	23.50	/	/	<=30	Pass
		Edge 1RB Right	22.04	/	/	23.44	/	/	<=30	Pass
		Outer Full	24.49	/	/	25.89	/	/	<=30	Pass
		Inner Full	25.53	/	/	26.93	/	/	<=30	Pass
		Inner 1RB Left	25.34	/	/	26.74	/	/	<=30	Pass
		Inner 1RB Right	25.33	/	/	26.73	/	/	<=30	Pass
	3975	Edge 1RB Left	21.96	/	/	23.36	/	/	<=30	Pass
		Edge 1RB Right	22.01	/	/	23.41	/	/	<=30	Pass
		Outer Full	24.50	/	/	25.90	/	/	<=30	Pass
		Inner Full	25.48	/	/	26.88	/	/	<=30	Pass
		Inner 1RB Left	25.31	/	/	26.71	/	/	<=30	Pass
		Inner 1RB Right	25.33	/	/	26.73	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3705	Edge 1RB Left	21.38	/	/	22.78	/	/	<=30	Pass
		Edge 1RB Right	21.52	/	/	22.92	/	/	<=30	Pass
		Outer Full	22.92	/	/	24.32	/	/	<=30	Pass
		Inner Full	23.87	/	/	25.27	/	/	<=30	Pass
		Inner 1RB Left	23.77	/	/	25.17	/	/	<=30	Pass
		Inner 1RB Right	23.92	/	/	25.32	/	/	<=30	Pass
	3840	Edge 1RB Left	22.02	/	/	23.42	/	/	<=30	Pass
		Edge 1RB Right	21.98	/	/	23.38	/	/	<=30	Pass
		Outer Full	23.55	/	/	24.95	/	/	<=30	Pass
		Inner Full	24.45	/	/	25.85	/	/	<=30	Pass
		Inner 1RB Left	24.38	/	/	25.78	/	/	<=30	Pass
		Inner 1RB Right	24.40	/	/	25.80	/	/	<=30	Pass
	3975	Edge 1RB Left	21.93	/	/	23.33	/	/	<=30	Pass

		Edge_1RB_Right	21.87	/	/	23.27	/	/	<=30	Pass
		Outer_Full	23.42	/	/	24.82	/	/	<=30	Pass
		Inner_Full	24.45	/	/	25.85	/	/	<=30	Pass
		Inner_1RB_Left	24.37	/	/	25.77	/	/	<=30	Pass
		Inner_1RB_Right	24.35	/	/	25.75	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3705	Edge_1RB_Left	21.32	/	/	22.72	/	/	<=30	Pass
		Edge_1RB_Right	21.43	/	/	22.83	/	/	<=30	Pass
		Outer_Full	22.46	/	/	23.86	/	/	<=30	Pass
		Inner_Full	22.41	/	/	23.81	/	/	<=30	Pass
		Inner_1RB_Left	22.34	/	/	23.74	/	/	<=30	Pass
	3840	Inner_1RB_Right	22.50	/	/	23.90	/	/	<=30	Pass
		Edge_1RB_Left	22.00	/	/	23.40	/	/	<=30	Pass
		Edge_1RB_Right	21.95	/	/	23.35	/	/	<=30	Pass
		Outer_Full	23.06	/	/	24.46	/	/	<=30	Pass
		Inner_Full	23.04	/	/	24.44	/	/	<=30	Pass
	3975	Inner_1RB_Left	22.97	/	/	24.37	/	/	<=30	Pass
		Inner_1RB_Right	22.96	/	/	24.36	/	/	<=30	Pass
		Edge_1RB_Left	21.84	/	/	23.24	/	/	<=30	Pass
		Edge_1RB_Right	21.92	/	/	23.32	/	/	<=30	Pass
		Outer_Full	23.02	/	/	24.42	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3705	Inner_Full	22.96	/	/	24.36	/	/	<=30	Pass
		Inner_1RB_Left	22.85	/	/	24.25	/	/	<=30	Pass
		Inner_1RB_Right	22.90	/	/	24.30	/	/	<=30	Pass
		Edge_1RB_Left	20.52	/	/	21.92	/	/	<=30	Pass
		Edge_1RB_Right	20.73	/	/	22.13	/	/	<=30	Pass
	3840	Outer_Full	20.48	/	/	21.88	/	/	<=30	Pass
		Inner_Full	20.45	/	/	21.85	/	/	<=30	Pass
		Inner_1RB_Left	20.54	/	/	21.94	/	/	<=30	Pass
		Inner_1RB_Right	20.75	/	/	22.15	/	/	<=30	Pass
		Edge_1RB_Left	21.19	/	/	22.59	/	/	<=30	Pass
	3975	Edge_1RB_Right	21.21	/	/	22.61	/	/	<=30	Pass
		Outer_Full	21.06	/	/	22.46	/	/	<=30	Pass
		Inner_Full	21.02	/	/	22.42	/	/	<=30	Pass
		Inner_1RB_Left	21.17	/	/	22.57	/	/	<=30	Pass
		Inner_1RB_Right	21.16	/	/	22.56	/	/	<=30	Pass
CP-OFDM QPSK	3705	Edge_1RB_Left	21.09	/	/	22.49	/	/	<=30	Pass
		Edge_1RB_Right	21.12	/	/	22.52	/	/	<=30	Pass
		Outer_Full	20.97	/	/	22.37	/	/	<=30	Pass
		Inner_Full	20.90	/	/	22.30	/	/	<=30	Pass
		Inner_1RB_Left	21.09	/	/	22.49	/	/	<=30	Pass
	3840	Inner_1RB_Right	21.14	/	/	22.54	/	/	<=30	Pass
		Edge_1RB_Left	21.40	/	/	22.80	/	/	<=30	Pass
		Edge_1RB_Right	21.76	/	/	23.16	/	/	<=30	Pass
		Outer_Full	21.98	/	/	23.38	/	/	<=30	Pass
		Inner_Full	23.64	/	/	25.04	/	/	<=30	Pass
	3975	Inner_1RB_Left	23.55	/	/	24.95	/	/	<=30	Pass
		Inner_1RB_Right	23.32	/	/	24.72	/	/	<=30	Pass
		Edge_1RB_Left	21.99	/	/	23.39	/	/	<=30	Pass
		Edge_1RB_Right	22.18	/	/	23.58	/	/	<=30	Pass
		Outer_Full	22.56	/	/	23.96	/	/	<=30	Pass
	3840	Inner_Full	24.09	/	/	25.49	/	/	<=30	Pass
		Inner_1RB_Left	23.99	/	/	25.39	/	/	<=30	Pass
		Inner_1RB_Right	24.03	/	/	25.43	/	/	<=30	Pass
	3975	Edge_1RB_Left	21.93	/	/	23.33	/	/	<=30	Pass
		Edge_1RB_Right	22.12	/	/	23.52	/	/	<=30	Pass
		Outer_Full	22.41	/	/	23.81	/	/	<=30	Pass
		Inner_Full	23.98	/	/	25.38	/	/	<=30	Pass
		Inner_1RB_Left	24.04	/	/	25.44	/	/	<=30	Pass
		Inner_1RB_Right	24.13	/	/	25.53	/	/	<=30	Pass

CP-OFDM 16 QAM	3705	Edge_1RB_Left	21.42	/	/	22.82	/	/	<=30	Pass
		Edge_1RB_Right	21.57	/	/	22.97	/	/	<=30	Pass
		Outer_Full	21.98	/	/	23.38	/	/	<=30	Pass
		Inner_Full	22.93	/	/	24.33	/	/	<=30	Pass
		Inner_1RB_Left	22.86	/	/	24.26	/	/	<=30	Pass
		Inner_1RB_Right	23.07	/	/	24.47	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.07	/	/	23.47	/	/	<=30	Pass
		Edge_1RB_Right	22.05	/	/	23.45	/	/	<=30	Pass
		Outer_Full	22.57	/	/	23.97	/	/	<=30	Pass
		Inner_Full	23.43	/	/	24.83	/	/	<=30	Pass
		Inner_1RB_Left	23.52	/	/	24.92	/	/	<=30	Pass
		Inner_1RB_Right	23.55	/	/	24.95	/	/	<=30	Pass
	3975	Edge_1RB_Left	21.95	/	/	23.35	/	/	<=30	Pass
		Edge_1RB_Right	22.00	/	/	23.40	/	/	<=30	Pass
		Outer_Full	22.48	/	/	23.88	/	/	<=30	Pass
		Inner_Full	23.31	/	/	24.71	/	/	<=30	Pass
		Inner_1RB_Left	23.42	/	/	24.82	/	/	<=30	Pass
		Inner_1RB_Right	23.48	/	/	24.88	/	/	<=30	Pass
CP-OFDM 64 QAM	3705	Edge_1RB_Left	21.38	/	/	22.78	/	/	<=30	Pass
		Edge_1RB_Right	21.54	/	/	22.94	/	/	<=30	Pass
		Outer_Full	21.42	/	/	22.82	/	/	<=30	Pass
		Inner_Full	21.46	/	/	22.86	/	/	<=30	Pass
		Inner_1RB_Left	21.34	/	/	22.74	/	/	<=30	Pass
		Inner_1RB_Right	21.49	/	/	22.89	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.97	/	/	23.37	/	/	<=30	Pass
		Edge_1RB_Right	22.02	/	/	23.42	/	/	<=30	Pass
		Outer_Full	21.97	/	/	23.37	/	/	<=30	Pass
		Inner_Full	22.06	/	/	23.46	/	/	<=30	Pass
		Inner_1RB_Left	21.99	/	/	23.39	/	/	<=30	Pass
		Inner_1RB_Right	21.95	/	/	23.35	/	/	<=30	Pass
	3975	Edge_1RB_Left	21.99	/	/	23.39	/	/	<=30	Pass
		Edge_1RB_Right	21.94	/	/	23.34	/	/	<=30	Pass
		Outer_Full	21.86	/	/	23.26	/	/	<=30	Pass
		Inner_Full	21.95	/	/	23.35	/	/	<=30	Pass
		Inner_1RB_Left	21.95	/	/	23.35	/	/	<=30	Pass
		Inner_1RB_Right	21.95	/	/	23.35	/	/	<=30	Pass
CP-OFDM 256 QAM	3705	Edge_1RB_Left	18.57	/	/	19.97	/	/	<=30	Pass
		Edge_1RB_Right	18.64	/	/	20.04	/	/	<=30	Pass
		Outer_Full	18.36	/	/	19.76	/	/	<=30	Pass
		Inner_Full	18.44	/	/	19.84	/	/	<=30	Pass
		Inner_1RB_Left	18.52	/	/	19.92	/	/	<=30	Pass
		Inner_1RB_Right	18.73	/	/	20.13	/	/	<=30	Pass
	3840	Edge_1RB_Left	19.24	/	/	20.64	/	/	<=30	Pass
		Edge_1RB_Right	19.16	/	/	20.56	/	/	<=30	Pass
		Outer_Full	19.00	/	/	20.40	/	/	<=30	Pass
		Inner_Full	19.03	/	/	20.43	/	/	<=30	Pass
		Inner_1RB_Left	19.18	/	/	20.58	/	/	<=30	Pass
		Inner_1RB_Right	19.20	/	/	20.60	/	/	<=30	Pass
	3975	Edge_1RB_Left	19.07	/	/	20.47	/	/	<=30	Pass
		Edge_1RB_Right	19.05	/	/	20.45	/	/	<=30	Pass
		Outer_Full	18.94	/	/	20.34	/	/	<=30	Pass
		Inner_Full	18.94	/	/	20.34	/	/	<=30	Pass
		Inner_1RB_Left	19.06	/	/	20.46	/	/	<=30	Pass
		Inner_1RB_Right	19.06	/	/	20.46	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: 1.40dBi; 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	21.61	/	/	23.01	/	/	<=30	Pass
		Edge 1RB Right	21.94	/	/	23.34	/	/	<=30	Pass
		Outer Full	24.65	/	/	26.05	/	/	<=30	Pass
		Inner Full	25.11	/	/	26.51	/	/	<=30	Pass
		Inner 1RB Left	24.90	/	/	26.30	/	/	<=30	Pass
		Inner 1RB Right	25.23	/	/	26.63	/	/	<=30	Pass
	3840	Edge 1RB Left	22.16	/	/	23.56	/	/	<=30	Pass
		Edge 1RB Right	22.16	/	/	23.56	/	/	<=30	Pass
		Outer Full	25.13	/	/	26.53	/	/	<=30	Pass
		Inner Full	25.62	/	/	27.02	/	/	<=30	Pass
		Inner 1RB Left	25.53	/	/	26.93	/	/	<=30	Pass
		Inner 1RB Right	25.53	/	/	26.93	/	/	<=30	Pass
	3972.48	Edge 1RB Left	22.19	/	/	23.59	/	/	<=30	Pass
		Edge 1RB Right	22.15	/	/	23.55	/	/	<=30	Pass
		Outer Full	25.13	/	/	26.53	/	/	<=30	Pass
		Inner Full	25.57	/	/	26.97	/	/	<=30	Pass
		Inner 1RB Left	25.52	/	/	26.92	/	/	<=30	Pass
		Inner 1RB Right	25.47	/	/	26.87	/	/	<=30	Pass
DFT-s-OFDM QPSK	3707.52	Edge 1RB Left	21.52	/	/	22.92	/	/	<=30	Pass
		Edge 1RB Right	21.92	/	/	23.32	/	/	<=30	Pass
		Outer Full	24.14	/	/	25.54	/	/	<=30	Pass
		Inner Full	25.14	/	/	26.54	/	/	<=30	Pass
		Inner 1RB Left	24.91	/	/	26.31	/	/	<=30	Pass
		Inner 1RB Right	25.18	/	/	26.58	/	/	<=30	Pass
	3840	Edge 1RB Left	22.15	/	/	23.55	/	/	<=30	Pass
		Edge 1RB Right	22.15	/	/	23.55	/	/	<=30	Pass
		Outer Full	24.64	/	/	26.04	/	/	<=30	Pass
		Inner Full	25.60	/	/	27.00	/	/	<=30	Pass
		Inner 1RB Left	25.46	/	/	26.86	/	/	<=30	Pass
		Inner 1RB Right	25.45	/	/	26.85	/	/	<=30	Pass
	3972.48	Edge 1RB Left	22.16	/	/	23.56	/	/	<=30	Pass
		Edge 1RB Right	22.12	/	/	23.52	/	/	<=30	Pass
		Outer Full	24.64	/	/	26.04	/	/	<=30	Pass
		Inner Full	25.60	/	/	27.00	/	/	<=30	Pass
		Inner 1RB Left	25.49	/	/	26.89	/	/	<=30	Pass
		Inner 1RB Right	25.49	/	/	26.89	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3707.52	Edge 1RB Left	21.57	/	/	22.97	/	/	<=30	Pass
		Edge 1RB Right	21.98	/	/	23.38	/	/	<=30	Pass
		Outer Full	23.13	/	/	24.53	/	/	<=30	Pass
		Inner Full	24.17	/	/	25.57	/	/	<=30	Pass
		Inner 1RB Left	23.94	/	/	25.34	/	/	<=30	Pass
		Inner 1RB Right	24.26	/	/	25.66	/	/	<=30	Pass
	3840	Edge 1RB Left	22.22	/	/	23.62	/	/	<=30	Pass
		Edge 1RB Right	22.11	/	/	23.51	/	/	<=30	Pass
		Outer Full	23.64	/	/	25.04	/	/	<=30	Pass
		Inner Full	24.62	/	/	26.02	/	/	<=30	Pass
		Inner 1RB Left	24.47	/	/	25.87	/	/	<=30	Pass
		Inner 1RB Right	24.51	/	/	25.91	/	/	<=30	Pass
	3972.48	Edge 1RB Left	22.19	/	/	23.59	/	/	<=30	Pass
		Edge 1RB Right	22.13	/	/	23.53	/	/	<=30	Pass
		Outer Full	23.65	/	/	25.05	/	/	<=30	Pass
		Inner Full	24.65	/	/	26.05	/	/	<=30	Pass
		Inner 1RB Left	24.50	/	/	25.90	/	/	<=30	Pass
		Inner 1RB Right	24.46	/	/	25.86	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3707.52	Edge 1RB Left	21.40	/	/	22.80	/	/	<=30	Pass
		Edge 1RB Right	21.74	/	/	23.14	/	/	<=30	Pass

		Outer_Full	22.67	/	/	24.07	/	/	<=30	Pass
		Inner_Full	22.69	/	/	24.09	/	/	<=30	Pass
		Inner_1RB_Left	22.53	/	/	23.93	/	/	<=30	Pass
		Inner_1RB_Right	22.92	/	/	24.32	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.07	/	/	23.47	/	/	<=30	Pass
		Edge_1RB_Right	22.07	/	/	23.47	/	/	<=30	Pass
		Outer_Full	23.17	/	/	24.57	/	/	<=30	Pass
		Inner_Full	23.17	/	/	24.57	/	/	<=30	Pass
		Inner_1RB_Left	23.12	/	/	24.52	/	/	<=30	Pass
		Inner_1RB_Right	23.09	/	/	24.49	/	/	<=30	Pass
	3972.48	Edge_1RB_Left	21.99	/	/	23.39	/	/	<=30	Pass
		Edge_1RB_Right	21.96	/	/	23.36	/	/	<=30	Pass
		Outer_Full	23.15	/	/	24.55	/	/	<=30	Pass
		Inner_Full	23.15	/	/	24.55	/	/	<=30	Pass
		Inner_1RB_Left	23.07	/	/	24.47	/	/	<=30	Pass
		Inner_1RB_Right	23.08	/	/	24.48	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3707.52	Edge_1RB_Left	20.64	/	/	22.04	/	/	<=30	Pass
		Edge_1RB_Right	20.99	/	/	22.39	/	/	<=30	Pass
		Outer_Full	20.73	/	/	22.13	/	/	<=30	Pass
		Inner_Full	20.67	/	/	22.07	/	/	<=30	Pass
		Inner_1RB_Left	20.62	/	/	22.02	/	/	<=30	Pass
		Inner_1RB_Right	20.96	/	/	22.36	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.23	/	/	22.63	/	/	<=30	Pass
		Edge_1RB_Right	21.24	/	/	22.64	/	/	<=30	Pass
		Outer_Full	21.21	/	/	22.61	/	/	<=30	Pass
		Inner_Full	21.24	/	/	22.64	/	/	<=30	Pass
		Inner_1RB_Left	21.19	/	/	22.59	/	/	<=30	Pass
		Inner_1RB_Right	21.21	/	/	22.61	/	/	<=30	Pass
	3972.48	Edge_1RB_Left	21.17	/	/	22.57	/	/	<=30	Pass
		Edge_1RB_Right	21.15	/	/	22.55	/	/	<=30	Pass
		Outer_Full	21.18	/	/	22.58	/	/	<=30	Pass
		Inner_Full	21.21	/	/	22.61	/	/	<=30	Pass
		Inner_1RB_Left	21.20	/	/	22.60	/	/	<=30	Pass
		Inner_1RB_Right	21.22	/	/	22.62	/	/	<=30	Pass
CP-OFDM QPSK	3707.52	Edge_1RB_Left	21.56	/	/	22.96	/	/	<=30	Pass
		Edge_1RB_Right	21.94	/	/	23.34	/	/	<=30	Pass
		Outer_Full	22.20	/	/	23.60	/	/	<=30	Pass
		Inner_Full	23.66	/	/	25.06	/	/	<=30	Pass
		Inner_1RB_Left	23.32	/	/	24.72	/	/	<=30	Pass
		Inner_1RB_Right	23.85	/	/	25.25	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.14	/	/	23.54	/	/	<=30	Pass
		Edge_1RB_Right	22.16	/	/	23.56	/	/	<=30	Pass
		Outer_Full	22.65	/	/	24.05	/	/	<=30	Pass
		Inner_Full	24.15	/	/	25.55	/	/	<=30	Pass
		Inner_1RB_Left	24.01	/	/	25.41	/	/	<=30	Pass
		Inner_1RB_Right	24.10	/	/	25.50	/	/	<=30	Pass
	3972.48	Edge_1RB_Left	22.17	/	/	23.57	/	/	<=30	Pass
		Edge_1RB_Right	22.07	/	/	23.47	/	/	<=30	Pass
		Outer_Full	22.61	/	/	24.01	/	/	<=30	Pass
		Inner_Full	24.16	/	/	25.56	/	/	<=30	Pass
		Inner_1RB_Left	24.07	/	/	25.47	/	/	<=30	Pass
		Inner_1RB_Right	24.40	/	/	25.80	/	/	<=30	Pass
CP-OFDM 16 QAM	3707.52	Edge_1RB_Left	21.58	/	/	22.98	/	/	<=30	Pass
		Edge_1RB_Right	21.96	/	/	23.36	/	/	<=30	Pass
		Outer_Full	22.15	/	/	23.55	/	/	<=30	Pass
		Inner_Full	23.11	/	/	24.51	/	/	<=30	Pass
		Inner_1RB_Left	22.89	/	/	24.29	/	/	<=30	Pass
		Inner_1RB_Right	23.33	/	/	24.73	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.09	/	/	23.49	/	/	<=30	Pass

		Edge_1RB_Right	22.16	/	/	23.56	/	/	<=30	Pass
		Outer_Full	22.64	/	/	24.04	/	/	<=30	Pass
		Inner_Full	23.59	/	/	24.99	/	/	<=30	Pass
		Inner_1RB_Left	23.59	/	/	24.99	/	/	<=30	Pass
		Inner_1RB_Right	23.51	/	/	24.91	/	/	<=30	Pass
	3972.48	Edge_1RB_Left	22.10	/	/	23.50	/	/	<=30	Pass
		Edge_1RB_Right	22.09	/	/	23.49	/	/	<=30	Pass
		Outer_Full	22.63	/	/	24.03	/	/	<=30	Pass
		Inner_Full	23.59	/	/	24.99	/	/	<=30	Pass
		Inner_1RB_Left	23.48	/	/	24.88	/	/	<=30	Pass
	Inner_1RB_Right	23.61	/	/	25.01	/	/	<=30	Pass	
CP-OFDM 64 QAM	3707.52	Edge_1RB_Left	21.42	/	/	22.82	/	/	<=30	Pass
		Edge_1RB_Right	21.73	/	/	23.13	/	/	<=30	Pass
		Outer_Full	21.74	/	/	23.14	/	/	<=30	Pass
		Inner_Full	21.73	/	/	23.13	/	/	<=30	Pass
		Inner_1RB_Left	21.42	/	/	22.82	/	/	<=30	Pass
		Inner_1RB_Right	21.72	/	/	23.12	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.99	/	/	23.39	/	/	<=30	Pass
		Edge_1RB_Right	21.93	/	/	23.33	/	/	<=30	Pass
		Outer_Full	22.20	/	/	23.60	/	/	<=30	Pass
		Inner_Full	22.21	/	/	23.61	/	/	<=30	Pass
		Inner_1RB_Left	21.93	/	/	23.33	/	/	<=30	Pass
		Inner_1RB_Right	22.05	/	/	23.45	/	/	<=30	Pass
	3972.48	Edge_1RB_Left	22.04	/	/	23.44	/	/	<=30	Pass
		Edge_1RB_Right	21.89	/	/	23.29	/	/	<=30	Pass
		Outer_Full	22.18	/	/	23.58	/	/	<=30	Pass
		Inner_Full	22.23	/	/	23.63	/	/	<=30	Pass
		Inner_1RB_Left	21.95	/	/	23.35	/	/	<=30	Pass
		Inner_1RB_Right	21.97	/	/	23.37	/	/	<=30	Pass
CP-OFDM 256 QAM	3707.52	Edge_1RB_Left	18.63	/	/	20.03	/	/	<=30	Pass
		Edge_1RB_Right	18.94	/	/	20.34	/	/	<=30	Pass
		Outer_Full	18.63	/	/	20.03	/	/	<=30	Pass
		Inner_Full	18.73	/	/	20.13	/	/	<=30	Pass
		Inner_1RB_Left	18.53	/	/	19.93	/	/	<=30	Pass
		Inner_1RB_Right	18.99	/	/	20.39	/	/	<=30	Pass
	3840	Edge_1RB_Left	19.18	/	/	20.58	/	/	<=30	Pass
		Edge_1RB_Right	19.26	/	/	20.66	/	/	<=30	Pass
		Outer_Full	19.13	/	/	20.53	/	/	<=30	Pass
		Inner_Full	19.13	/	/	20.53	/	/	<=30	Pass
		Inner_1RB_Left	19.22	/	/	20.62	/	/	<=30	Pass
		Inner_1RB_Right	19.24	/	/	20.64	/	/	<=30	Pass
	3972.48	Edge_1RB_Left	19.15	/	/	20.55	/	/	<=30	Pass
		Edge_1RB_Right	19.06	/	/	20.46	/	/	<=30	Pass
		Outer_Full	19.15	/	/	20.55	/	/	<=30	Pass
Inner_Full		19.09	/	/	20.49	/	/	<=30	Pass	
Inner_1RB_Left		19.30	/	/	20.70	/	/	<=30	Pass	
	Inner_1RB_Right	19.14	/	/	20.54	/	/	<=30	Pass	
Note1: Antenna Gain: Ant1: 1.40dBi; 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	21.65	/	/	23.05	/	/	<=30	Pass
		Edge_1RB_Right	22.12	/	/	23.52	/	/	<=30	Pass
		Outer_Full	24.81	/	/	26.21	/	/	<=30	Pass

		Inner_Full	25.33	/	/	26.73	/	/	<=30	Pass
		Inner_1RB_Left	25.02	/	/	26.42	/	/	<=30	Pass
		Inner_1RB_Right	25.43	/	/	26.83	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.22	/	/	23.62	/	/	<=30	Pass
		Edge_1RB_Right	22.23	/	/	23.63	/	/	<=30	Pass
		Outer_Full	25.16	/	/	26.56	/	/	<=30	Pass
		Inner_Full	25.68	/	/	27.08	/	/	<=30	Pass
		Inner_1RB_Left	25.56	/	/	26.96	/	/	<=30	Pass
		Inner_1RB_Right	25.53	/	/	26.93	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	22.21	/	/	23.61	/	/	<=30	Pass
		Edge_1RB_Right	22.14	/	/	23.54	/	/	<=30	Pass
		Outer_Full	25.13	/	/	26.53	/	/	<=30	Pass
		Inner_Full	25.63	/	/	27.03	/	/	<=30	Pass
		Inner_1RB_Left	25.55	/	/	26.95	/	/	<=30	Pass
		Inner_1RB_Right	25.54	/	/	26.94	/	/	<=30	Pass
DFT-s-OFDM QPSK	3710.01	Edge_1RB_Left	21.71	/	/	23.11	/	/	<=30	Pass
		Edge_1RB_Right	22.13	/	/	23.53	/	/	<=30	Pass
		Outer_Full	24.31	/	/	25.71	/	/	<=30	Pass
		Inner_Full	25.29	/	/	26.69	/	/	<=30	Pass
		Inner_1RB_Left	25.02	/	/	26.42	/	/	<=30	Pass
		Inner_1RB_Right	25.36	/	/	26.76	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.17	/	/	23.57	/	/	<=30	Pass
		Edge_1RB_Right	22.20	/	/	23.60	/	/	<=30	Pass
		Outer_Full	24.69	/	/	26.09	/	/	<=30	Pass
		Inner_Full	25.66	/	/	27.06	/	/	<=30	Pass
		Inner_1RB_Left	25.48	/	/	26.88	/	/	<=30	Pass
		Inner_1RB_Right	25.52	/	/	26.92	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	22.16	/	/	23.56	/	/	<=30	Pass
		Edge_1RB_Right	22.16	/	/	23.56	/	/	<=30	Pass
		Outer_Full	24.67	/	/	26.07	/	/	<=30	Pass
		Inner_Full	25.60	/	/	27.00	/	/	<=30	Pass
		Inner_1RB_Left	25.52	/	/	26.92	/	/	<=30	Pass
		Inner_1RB_Right	25.51	/	/	26.91	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3710.01	Edge_1RB_Left	21.62	/	/	23.02	/	/	<=30	Pass
		Edge_1RB_Right	22.06	/	/	23.46	/	/	<=30	Pass
		Outer_Full	23.37	/	/	24.77	/	/	<=30	Pass
		Inner_Full	24.36	/	/	25.76	/	/	<=30	Pass
		Inner_1RB_Left	24.04	/	/	25.44	/	/	<=30	Pass
		Inner_1RB_Right	24.44	/	/	25.84	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.12	/	/	23.52	/	/	<=30	Pass
		Edge_1RB_Right	22.13	/	/	23.53	/	/	<=30	Pass
		Outer_Full	23.72	/	/	25.12	/	/	<=30	Pass
		Inner_Full	24.70	/	/	26.10	/	/	<=30	Pass
		Inner_1RB_Left	24.53	/	/	25.93	/	/	<=30	Pass
		Inner_1RB_Right	24.55	/	/	25.95	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	22.07	/	/	23.47	/	/	<=30	Pass
		Edge_1RB_Right	22.04	/	/	23.44	/	/	<=30	Pass
		Outer_Full	23.68	/	/	25.08	/	/	<=30	Pass
		Inner_Full	24.70	/	/	26.10	/	/	<=30	Pass
		Inner_1RB_Left	24.55	/	/	25.95	/	/	<=30	Pass
		Inner_1RB_Right	24.49	/	/	25.89	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3710.01	Edge_1RB_Left	21.57	/	/	22.97	/	/	<=30	Pass
		Edge_1RB_Right	22.04	/	/	23.44	/	/	<=30	Pass
		Outer_Full	22.82	/	/	24.22	/	/	<=30	Pass
		Inner_Full	22.86	/	/	24.26	/	/	<=30	Pass
		Inner_1RB_Left	22.64	/	/	24.04	/	/	<=30	Pass
		Inner_1RB_Right	23.11	/	/	24.51	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.03	/	/	23.43	/	/	<=30	Pass
		Edge_1RB_Right	22.06	/	/	23.46	/	/	<=30	Pass

		Outer_Full	23.20	/	/	24.60	/	/	<=30	Pass
		Inner_Full	23.22	/	/	24.62	/	/	<=30	Pass
		Inner_1RB_Left	23.11	/	/	24.51	/	/	<=30	Pass
		Inner_1RB_Right	23.18	/	/	24.58	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	22.00	/	/	23.40	/	/	<=30	Pass
		Edge_1RB_Right	21.98	/	/	23.38	/	/	<=30	Pass
		Outer_Full	23.19	/	/	24.59	/	/	<=30	Pass
		Inner_Full	23.17	/	/	24.57	/	/	<=30	Pass
		Inner_1RB_Left	23.07	/	/	24.47	/	/	<=30	Pass
		Inner_1RB_Right	23.04	/	/	24.44	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3710.01	Edge_1RB_Left	20.75	/	/	22.15	/	/	<=30	Pass
		Edge_1RB_Right	21.20	/	/	22.60	/	/	<=30	Pass
		Outer_Full	20.91	/	/	22.31	/	/	<=30	Pass
		Inner_Full	20.79	/	/	22.19	/	/	<=30	Pass
		Inner_1RB_Left	20.73	/	/	22.13	/	/	<=30	Pass
		Inner_1RB_Right	21.19	/	/	22.59	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.23	/	/	22.63	/	/	<=30	Pass
		Edge_1RB_Right	21.26	/	/	22.66	/	/	<=30	Pass
		Outer_Full	21.28	/	/	22.68	/	/	<=30	Pass
		Inner_Full	21.25	/	/	22.65	/	/	<=30	Pass
		Inner_1RB_Left	21.23	/	/	22.63	/	/	<=30	Pass
		Inner_1RB_Right	21.32	/	/	22.72	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	21.23	/	/	22.63	/	/	<=30	Pass
		Edge_1RB_Right	21.17	/	/	22.57	/	/	<=30	Pass
		Outer_Full	21.22	/	/	22.62	/	/	<=30	Pass
		Inner_Full	21.16	/	/	22.56	/	/	<=30	Pass
		Inner_1RB_Left	21.22	/	/	22.62	/	/	<=30	Pass
		Inner_1RB_Right	21.14	/	/	22.54	/	/	<=30	Pass
CP-OFDM QPSK	3710.01	Edge_1RB_Left	21.76	/	/	23.16	/	/	<=30	Pass
		Edge_1RB_Right	22.22	/	/	23.62	/	/	<=30	Pass
		Outer_Full	22.37	/	/	23.77	/	/	<=30	Pass
		Inner_Full	23.88	/	/	25.28	/	/	<=30	Pass
		Inner_1RB_Left	23.40	/	/	24.80	/	/	<=30	Pass
		Inner_1RB_Right	23.98	/	/	25.38	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.30	/	/	23.70	/	/	<=30	Pass
		Edge_1RB_Right	22.14	/	/	23.54	/	/	<=30	Pass
		Outer_Full	22.72	/	/	24.12	/	/	<=30	Pass
		Inner_Full	24.24	/	/	25.64	/	/	<=30	Pass
		Inner_1RB_Left	24.14	/	/	25.54	/	/	<=30	Pass
		Inner_1RB_Right	23.97	/	/	25.37	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	22.24	/	/	23.64	/	/	<=30	Pass
		Edge_1RB_Right	22.34	/	/	23.74	/	/	<=30	Pass
		Outer_Full	22.68	/	/	24.08	/	/	<=30	Pass
		Inner_Full	24.13	/	/	25.53	/	/	<=30	Pass
		Inner_1RB_Left	24.03	/	/	25.43	/	/	<=30	Pass
		Inner_1RB_Right	24.18	/	/	25.58	/	/	<=30	Pass
CP-OFDM 16 QAM	3710.01	Edge_1RB_Left	21.65	/	/	23.05	/	/	<=30	Pass
		Edge_1RB_Right	22.01	/	/	23.41	/	/	<=30	Pass
		Outer_Full	22.31	/	/	23.71	/	/	<=30	Pass
		Inner_Full	23.26	/	/	24.66	/	/	<=30	Pass
		Inner_1RB_Left	23.00	/	/	24.40	/	/	<=30	Pass
		Inner_1RB_Right	23.43	/	/	24.83	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.08	/	/	23.48	/	/	<=30	Pass
		Edge_1RB_Right	22.17	/	/	23.57	/	/	<=30	Pass
		Outer_Full	22.68	/	/	24.08	/	/	<=30	Pass
		Inner_Full	23.70	/	/	25.10	/	/	<=30	Pass
		Inner_1RB_Left	23.48	/	/	24.88	/	/	<=30	Pass
		Inner_1RB_Right	23.51	/	/	24.91	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	22.12	/	/	23.52	/	/	<=30	Pass

		Edge_1RB_Right	22.10	/	/	23.50	/	/	<=30	Pass
		Outer_Full	22.66	/	/	24.06	/	/	<=30	Pass
		Inner_Full	23.59	/	/	24.99	/	/	<=30	Pass
		Inner_1RB_Left	23.44	/	/	24.84	/	/	<=30	Pass
		Inner_1RB_Right	23.43	/	/	24.83	/	/	<=30	Pass
CP-OFDM 64 QAM	3710.01	Edge_1RB_Left	21.51	/	/	22.91	/	/	<=30	Pass
		Edge_1RB_Right	21.93	/	/	23.33	/	/	<=30	Pass
		Outer_Full	21.88	/	/	23.28	/	/	<=30	Pass
		Inner_Full	21.91	/	/	23.31	/	/	<=30	Pass
		Inner_1RB_Left	21.49	/	/	22.89	/	/	<=30	Pass
		Inner_1RB_Right	21.92	/	/	23.32	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.02	/	/	23.42	/	/	<=30	Pass
		Edge_1RB_Right	22.00	/	/	23.40	/	/	<=30	Pass
		Outer_Full	22.26	/	/	23.66	/	/	<=30	Pass
		Inner_Full	22.26	/	/	23.66	/	/	<=30	Pass
		Inner_1RB_Left	22.03	/	/	23.43	/	/	<=30	Pass
		Inner_1RB_Right	21.98	/	/	23.38	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	21.97	/	/	23.37	/	/	<=30	Pass
		Edge_1RB_Right	22.02	/	/	23.42	/	/	<=30	Pass
		Outer_Full	22.24	/	/	23.64	/	/	<=30	Pass
		Inner_Full	22.22	/	/	23.62	/	/	<=30	Pass
		Inner_1RB_Left	22.00	/	/	23.40	/	/	<=30	Pass
		Inner_1RB_Right	21.93	/	/	23.33	/	/	<=30	Pass
CP-OFDM 256 QAM	3710.01	Edge_1RB_Left	18.82	/	/	20.22	/	/	<=30	Pass
		Edge_1RB_Right	19.25	/	/	20.65	/	/	<=30	Pass
		Outer_Full	18.79	/	/	20.19	/	/	<=30	Pass
		Inner_Full	18.81	/	/	20.21	/	/	<=30	Pass
		Inner_1RB_Left	18.79	/	/	20.19	/	/	<=30	Pass
		Inner_1RB_Right	19.23	/	/	20.63	/	/	<=30	Pass
	3840	Edge_1RB_Left	19.30	/	/	20.70	/	/	<=30	Pass
		Edge_1RB_Right	19.32	/	/	20.72	/	/	<=30	Pass
		Outer_Full	19.24	/	/	20.64	/	/	<=30	Pass
		Inner_Full	19.15	/	/	20.55	/	/	<=30	Pass
		Inner_1RB_Left	19.23	/	/	20.63	/	/	<=30	Pass
		Inner_1RB_Right	19.32	/	/	20.72	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	19.25	/	/	20.65	/	/	<=30	Pass
		Edge_1RB_Right	19.16	/	/	20.56	/	/	<=30	Pass
		Outer_Full	19.13	/	/	20.53	/	/	<=30	Pass
		Inner_Full	19.16	/	/	20.56	/	/	<=30	Pass
		Inner_1RB_Left	19.25	/	/	20.65	/	/	<=30	Pass
		Inner_1RB_Right	19.20	/	/	20.60	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: 1.40dBi; 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	21.74	/	/	23.14	/	/	<=30	Pass
		Edge_1RB_Right	22.29	/	/	23.69	/	/	<=30	Pass
		Outer_Full	25.02	/	/	26.42	/	/	<=30	Pass
		Inner_Full	25.52	/	/	26.92	/	/	<=30	Pass
		Inner_1RB_Left	25.05	/	/	26.45	/	/	<=30	Pass
		Inner_1RB_Right	25.68	/	/	27.08	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.23	/	/	23.63	/	/	<=30	Pass
		Edge_1RB_Right	22.27	/	/	23.67	/	/	<=30	Pass
		Outer_Full	25.21	/	/	26.61	/	/	<=30	Pass

		Inner_Full	25.70	/	/	27.10	/	/	<=30	Pass
		Inner_1RB_Left	25.56	/	/	26.96	/	/	<=30	Pass
		Inner_1RB_Right	25.61	/	/	27.01	/	/	<=30	Pass
	3960	Edge_1RB_Left	22.21	/	/	23.61	/	/	<=30	Pass
		Edge_1RB_Right	22.19	/	/	23.59	/	/	<=30	Pass
		Outer_Full	25.09	/	/	26.49	/	/	<=30	Pass
		Inner_Full	25.58	/	/	26.98	/	/	<=30	Pass
		Inner_1RB_Left	25.55	/	/	26.95	/	/	<=30	Pass
		Inner_1RB_Right	25.55	/	/	26.95	/	/	<=30	Pass
DFT-s-OFDM QPSK	3720	Edge_1RB_Left	21.69	/	/	23.09	/	/	<=30	Pass
		Edge_1RB_Right	22.24	/	/	23.64	/	/	<=30	Pass
		Outer_Full	24.49	/	/	25.89	/	/	<=30	Pass
		Inner_Full	25.45	/	/	26.85	/	/	<=30	Pass
		Inner_1RB_Left	25.08	/	/	26.48	/	/	<=30	Pass
		Inner_1RB_Right	25.53	/	/	26.93	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.19	/	/	23.59	/	/	<=30	Pass
		Edge_1RB_Right	22.19	/	/	23.59	/	/	<=30	Pass
		Outer_Full	24.71	/	/	26.11	/	/	<=30	Pass
		Inner_Full	25.64	/	/	27.04	/	/	<=30	Pass
		Inner_1RB_Left	25.50	/	/	26.90	/	/	<=30	Pass
		Inner_1RB_Right	25.53	/	/	26.93	/	/	<=30	Pass
	3960	Edge_1RB_Left	22.16	/	/	23.56	/	/	<=30	Pass
		Edge_1RB_Right	22.17	/	/	23.57	/	/	<=30	Pass
		Outer_Full	24.67	/	/	26.07	/	/	<=30	Pass
		Inner_Full	25.61	/	/	27.01	/	/	<=30	Pass
		Inner_1RB_Left	25.50	/	/	26.90	/	/	<=30	Pass
		Inner_1RB_Right	25.54	/	/	26.94	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3720	Edge_1RB_Left	21.74	/	/	23.14	/	/	<=30	Pass
		Edge_1RB_Right	22.31	/	/	23.71	/	/	<=30	Pass
		Outer_Full	23.52	/	/	24.92	/	/	<=30	Pass
		Inner_Full	24.55	/	/	25.95	/	/	<=30	Pass
		Inner_1RB_Left	24.04	/	/	25.44	/	/	<=30	Pass
		Inner_1RB_Right	24.60	/	/	26.00	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.25	/	/	23.65	/	/	<=30	Pass
		Edge_1RB_Right	22.31	/	/	23.71	/	/	<=30	Pass
		Outer_Full	23.72	/	/	25.12	/	/	<=30	Pass
		Inner_Full	24.74	/	/	26.14	/	/	<=30	Pass
		Inner_1RB_Left	24.58	/	/	25.98	/	/	<=30	Pass
		Inner_1RB_Right	24.61	/	/	26.01	/	/	<=30	Pass
	3960	Edge_1RB_Left	22.16	/	/	23.56	/	/	<=30	Pass
		Edge_1RB_Right	22.22	/	/	23.62	/	/	<=30	Pass
		Outer_Full	23.64	/	/	25.04	/	/	<=30	Pass
		Inner_Full	24.60	/	/	26.00	/	/	<=30	Pass
		Inner_1RB_Left	24.51	/	/	25.91	/	/	<=30	Pass
		Inner_1RB_Right	24.52	/	/	25.92	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3720	Edge_1RB_Left	21.60	/	/	23.00	/	/	<=30	Pass
		Edge_1RB_Right	22.18	/	/	23.58	/	/	<=30	Pass
		Outer_Full	23.03	/	/	24.43	/	/	<=30	Pass
		Inner_Full	23.09	/	/	24.49	/	/	<=30	Pass
		Inner_1RB_Left	22.68	/	/	24.08	/	/	<=30	Pass
		Inner_1RB_Right	23.26	/	/	24.66	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.08	/	/	23.48	/	/	<=30	Pass
		Edge_1RB_Right	22.09	/	/	23.49	/	/	<=30	Pass
		Outer_Full	23.23	/	/	24.63	/	/	<=30	Pass
		Inner_Full	23.23	/	/	24.63	/	/	<=30	Pass
		Inner_1RB_Left	23.18	/	/	24.58	/	/	<=30	Pass
		Inner_1RB_Right	23.20	/	/	24.60	/	/	<=30	Pass
	3960	Edge_1RB_Left	22.00	/	/	23.40	/	/	<=30	Pass
		Edge_1RB_Right	22.01	/	/	23.41	/	/	<=30	Pass

		Outer_Full	23.17	/	/	24.57	/	/	<=30	Pass
		Inner_Full	23.18	/	/	24.58	/	/	<=30	Pass
		Inner_1RB_Left	23.05	/	/	24.45	/	/	<=30	Pass
		Inner_1RB_Right	23.09	/	/	24.49	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3720	Edge_1RB_Left	20.75	/	/	22.15	/	/	<=30	Pass
		Edge_1RB_Right	21.31	/	/	22.71	/	/	<=30	Pass
		Outer_Full	21.05	/	/	22.45	/	/	<=30	Pass
		Inner_Full	21.15	/	/	22.55	/	/	<=30	Pass
		Inner_1RB_Left	20.77	/	/	22.17	/	/	<=30	Pass
		Inner_1RB_Right	21.33	/	/	22.73	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.29	/	/	22.69	/	/	<=30	Pass
		Edge_1RB_Right	21.34	/	/	22.74	/	/	<=30	Pass
		Outer_Full	21.29	/	/	22.69	/	/	<=30	Pass
		Inner_Full	21.28	/	/	22.68	/	/	<=30	Pass
		Inner_1RB_Left	21.27	/	/	22.67	/	/	<=30	Pass
		Inner_1RB_Right	21.33	/	/	22.73	/	/	<=30	Pass
	3960	Edge_1RB_Left	21.20	/	/	22.60	/	/	<=30	Pass
		Edge_1RB_Right	21.22	/	/	22.62	/	/	<=30	Pass
		Outer_Full	21.21	/	/	22.61	/	/	<=30	Pass
		Inner_Full	21.24	/	/	22.64	/	/	<=30	Pass
		Inner_1RB_Left	21.19	/	/	22.59	/	/	<=30	Pass
		Inner_1RB_Right	21.20	/	/	22.60	/	/	<=30	Pass
CP-OFDM QPSK	3720	Edge_1RB_Left	21.79	/	/	23.19	/	/	<=30	Pass
		Edge_1RB_Right	22.26	/	/	23.66	/	/	<=30	Pass
		Outer_Full	22.51	/	/	23.91	/	/	<=30	Pass
		Inner_Full	24.04	/	/	25.44	/	/	<=30	Pass
		Inner_1RB_Left	23.51	/	/	24.91	/	/	<=30	Pass
		Inner_1RB_Right	24.15	/	/	25.55	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.31	/	/	23.71	/	/	<=30	Pass
		Edge_1RB_Right	22.31	/	/	23.71	/	/	<=30	Pass
		Outer_Full	22.74	/	/	24.14	/	/	<=30	Pass
		Inner_Full	24.19	/	/	25.59	/	/	<=30	Pass
		Inner_1RB_Left	24.14	/	/	25.54	/	/	<=30	Pass
		Inner_1RB_Right	24.10	/	/	25.50	/	/	<=30	Pass
	3960	Edge_1RB_Left	22.12	/	/	23.52	/	/	<=30	Pass
		Edge_1RB_Right	22.19	/	/	23.59	/	/	<=30	Pass
		Outer_Full	22.65	/	/	24.05	/	/	<=30	Pass
		Inner_Full	24.13	/	/	25.53	/	/	<=30	Pass
		Inner_1RB_Left	24.06	/	/	25.46	/	/	<=30	Pass
		Inner_1RB_Right	24.19	/	/	25.59	/	/	<=30	Pass
CP-OFDM 16 QAM	3720	Edge_1RB_Left	21.67	/	/	23.07	/	/	<=30	Pass
		Edge_1RB_Right	22.27	/	/	23.67	/	/	<=30	Pass
		Outer_Full	22.55	/	/	23.95	/	/	<=30	Pass
		Inner_Full	23.46	/	/	24.86	/	/	<=30	Pass
		Inner_1RB_Left	23.03	/	/	24.43	/	/	<=30	Pass
		Inner_1RB_Right	23.63	/	/	25.03	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.17	/	/	23.57	/	/	<=30	Pass
		Edge_1RB_Right	22.23	/	/	23.63	/	/	<=30	Pass
		Outer_Full	22.73	/	/	24.13	/	/	<=30	Pass
		Inner_Full	23.66	/	/	25.06	/	/	<=30	Pass
		Inner_1RB_Left	23.57	/	/	24.97	/	/	<=30	Pass
		Inner_1RB_Right	23.59	/	/	24.99	/	/	<=30	Pass
	3960	Edge_1RB_Left	22.09	/	/	23.49	/	/	<=30	Pass
		Edge_1RB_Right	22.08	/	/	23.48	/	/	<=30	Pass
		Outer_Full	22.64	/	/	24.04	/	/	<=30	Pass
		Inner_Full	23.57	/	/	24.97	/	/	<=30	Pass
		Inner_1RB_Left	23.61	/	/	25.01	/	/	<=30	Pass
		Inner_1RB_Right	23.46	/	/	24.86	/	/	<=30	Pass
CP-OFDM 64 QAM	3720	Edge_1RB_Left	21.52	/	/	22.92	/	/	<=30	Pass

	3840	Edge_1RB_Right	22.03	/	/	23.43	/	/	<=30	Pass	
		Outer_Full	22.02	/	/	23.42	/	/	<=30	Pass	
		Inner_Full	22.09	/	/	23.49	/	/	<=30	Pass	
		Inner_1RB_Left	21.47	/	/	22.87	/	/	<=30	Pass	
		Inner_1RB_Right	22.02	/	/	23.42	/	/	<=30	Pass	
		Edge_1RB_Left	21.98	/	/	23.38	/	/	<=30	Pass	
		Edge_1RB_Right	21.99	/	/	23.39	/	/	<=30	Pass	
		Outer_Full	22.24	/	/	23.64	/	/	<=30	Pass	
		Inner_Full	22.25	/	/	23.65	/	/	<=30	Pass	
		Inner_1RB_Left	21.99	/	/	23.39	/	/	<=30	Pass	
	Inner_1RB_Right	22.04	/	/	23.44	/	/	<=30	Pass		
	3960	Edge_1RB_Left	21.99	/	/	23.39	/	/	<=30	Pass	
		Edge_1RB_Right	21.96	/	/	23.36	/	/	<=30	Pass	
		Outer_Full	22.18	/	/	23.58	/	/	<=30	Pass	
		Inner_Full	22.19	/	/	23.59	/	/	<=30	Pass	
		Inner_1RB_Left	21.96	/	/	23.36	/	/	<=30	Pass	
		Inner_1RB_Right	21.95	/	/	23.35	/	/	<=30	Pass	
	CP-OFDM 256 QAM	3720	Edge_1RB_Left	18.95	/	/	20.35	/	/	<=30	Pass
			Edge_1RB_Right	19.46	/	/	20.86	/	/	<=30	Pass
			Outer_Full	19.09	/	/	20.49	/	/	<=30	Pass
Inner_Full			19.12	/	/	20.52	/	/	<=30	Pass	
Inner_1RB_Left			18.92	/	/	20.32	/	/	<=30	Pass	
Inner_1RB_Right			19.49	/	/	20.89	/	/	<=30	Pass	
3840		Edge_1RB_Left	19.41	/	/	20.81	/	/	<=30	Pass	
		Edge_1RB_Right	19.42	/	/	20.82	/	/	<=30	Pass	
		Outer_Full	19.35	/	/	20.75	/	/	<=30	Pass	
		Inner_Full	19.32	/	/	20.72	/	/	<=30	Pass	
		Inner_1RB_Left	19.46	/	/	20.86	/	/	<=30	Pass	
		Inner_1RB_Right	19.36	/	/	20.76	/	/	<=30	Pass	
3960		Edge_1RB_Left	19.32	/	/	20.72	/	/	<=30	Pass	
		Edge_1RB_Right	19.28	/	/	20.68	/	/	<=30	Pass	
	Outer_Full	19.24	/	/	20.64	/	/	<=30	Pass		
	Inner_Full	19.21	/	/	20.61	/	/	<=30	Pass		
	Inner_1RB_Left	19.26	/	/	20.66	/	/	<=30	Pass		
Inner_1RB_Right	19.32	/	/	20.72	/	/	<=30	Pass			
Note1: Antenna Gain: Ant1: 1.40dBi;											
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	21.61	/	/	23.01	/	/	<=30	Pass
		Edge_1RB_Right	22.33	/	/	23.73	/	/	<=30	Pass
		Outer_Full	24.99	/	/	26.39	/	/	<=30	Pass
		Inner_Full	25.52	/	/	26.92	/	/	<=30	Pass
		Inner_1RB_Left	24.97	/	/	26.37	/	/	<=30	Pass
		Inner_1RB_Right	25.71	/	/	27.11	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.18	/	/	23.58	/	/	<=30	Pass
		Edge_1RB_Right	22.24	/	/	23.64	/	/	<=30	Pass
		Outer_Full	25.22	/	/	26.62	/	/	<=30	Pass
		Inner_Full	25.71	/	/	27.11	/	/	<=30	Pass
		Inner_1RB_Left	25.56	/	/	26.96	/	/	<=30	Pass
		Inner_1RB_Right	25.59	/	/	26.99	/	/	<=30	Pass
	3954.99	Edge_1RB_Left	22.32	/	/	23.72	/	/	<=30	Pass
		Edge_1RB_Right	22.10	/	/	23.50	/	/	<=30	Pass
		Outer_Full	25.22	/	/	26.62	/	/	<=30	Pass

		Inner_Full	25.71	/	/	27.11	/	/	<=30	Pass
		Inner_1RB_Left	25.67	/	/	27.07	/	/	<=30	Pass
		Inner_1RB_Right	25.48	/	/	26.88	/	/	<=30	Pass
DFT-s-OFDM QPSK	3725.01	Edge_1RB_Left	21.57	/	/	22.97	/	/	<=30	Pass
		Edge_1RB_Right	22.35	/	/	23.75	/	/	<=30	Pass
		Outer_Full	24.49	/	/	25.89	/	/	<=30	Pass
		Inner_Full	25.52	/	/	26.92	/	/	<=30	Pass
		Inner_1RB_Left	24.91	/	/	26.31	/	/	<=30	Pass
		Inner_1RB_Right	25.82	/	/	27.22	/	/	<=30	Pass
		Edge_1RB_Left	22.15	/	/	23.55	/	/	<=30	Pass
	3840	Edge_1RB_Right	22.24	/	/	23.64	/	/	<=30	Pass
		Outer_Full	24.69	/	/	26.09	/	/	<=30	Pass
		Inner_Full	25.70	/	/	27.10	/	/	<=30	Pass
		Inner_1RB_Left	25.52	/	/	26.92	/	/	<=30	Pass
		Inner_1RB_Right	25.71	/	/	27.11	/	/	<=30	Pass
	3954.99	Edge_1RB_Left	22.26	/	/	23.66	/	/	<=30	Pass
		Edge_1RB_Right	22.08	/	/	23.48	/	/	<=30	Pass
		Outer_Full	24.75	/	/	26.15	/	/	<=30	Pass
		Inner_Full	25.70	/	/	27.10	/	/	<=30	Pass
		Inner_1RB_Left	25.75	/	/	27.15	/	/	<=30	Pass
		Inner_1RB_Right	25.45	/	/	26.85	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3725.01	Edge_1RB_Left	21.49	/	/	22.89	/	/	<=30	Pass
		Edge_1RB_Right	22.22	/	/	23.62	/	/	<=30	Pass
		Outer_Full	23.50	/	/	24.90	/	/	<=30	Pass
		Inner_Full	24.53	/	/	25.93	/	/	<=30	Pass
		Inner_1RB_Left	23.96	/	/	25.36	/	/	<=30	Pass
		Inner_1RB_Right	24.65	/	/	26.05	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.08	/	/	23.48	/	/	<=30	Pass
		Edge_1RB_Right	22.16	/	/	23.56	/	/	<=30	Pass
		Outer_Full	23.75	/	/	25.15	/	/	<=30	Pass
		Inner_Full	24.71	/	/	26.11	/	/	<=30	Pass
		Inner_1RB_Left	24.46	/	/	25.86	/	/	<=30	Pass
	3954.99	Inner_1RB_Right	24.56	/	/	25.96	/	/	<=30	Pass
		Edge_1RB_Left	22.23	/	/	23.63	/	/	<=30	Pass
		Edge_1RB_Right	21.99	/	/	23.39	/	/	<=30	Pass
		Outer_Full	23.71	/	/	25.11	/	/	<=30	Pass
		Inner_Full	24.68	/	/	26.08	/	/	<=30	Pass
		Inner_1RB_Left	24.60	/	/	26.00	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3725.01	Inner_1RB_Right	24.45	/	/	25.85	/	/	<=30	Pass
		Edge_1RB_Left	21.42	/	/	22.82	/	/	<=30	Pass
		Edge_1RB_Right	22.27	/	/	23.67	/	/	<=30	Pass
		Outer_Full	23.02	/	/	24.42	/	/	<=30	Pass
		Inner_Full	23.08	/	/	24.48	/	/	<=30	Pass
		Inner_1RB_Left	22.50	/	/	23.90	/	/	<=30	Pass
	3840	Inner_1RB_Right	23.31	/	/	24.71	/	/	<=30	Pass
		Edge_1RB_Left	22.06	/	/	23.46	/	/	<=30	Pass
		Edge_1RB_Right	22.06	/	/	23.46	/	/	<=30	Pass
		Outer_Full	23.28	/	/	24.68	/	/	<=30	Pass
		Inner_Full	23.27	/	/	24.67	/	/	<=30	Pass
		Inner_1RB_Left	23.15	/	/	24.55	/	/	<=30	Pass
	3954.99	Inner_1RB_Right	23.10	/	/	24.50	/	/	<=30	Pass
		Edge_1RB_Left	22.15	/	/	23.55	/	/	<=30	Pass
		Edge_1RB_Right	21.95	/	/	23.35	/	/	<=30	Pass
		Outer_Full	23.22	/	/	24.62	/	/	<=30	Pass
		Inner_Full	23.23	/	/	24.63	/	/	<=30	Pass
		Inner_1RB_Left	23.15	/	/	24.55	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3725.01	Inner_1RB_Right	23.00	/	/	24.40	/	/	<=30	Pass
		Edge_1RB_Left	20.66	/	/	22.06	/	/	<=30	Pass
		Edge_1RB_Right	21.39	/	/	22.79	/	/	<=30	Pass

		Outer_Full	21.05	/	/	22.45	/	/	<=30	Pass
		Inner_Full	21.11	/	/	22.51	/	/	<=30	Pass
		Inner_1RB_Left	20.66	/	/	22.06	/	/	<=30	Pass
		Inner_1RB_Right	21.44	/	/	22.84	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.25	/	/	22.65	/	/	<=30	Pass
		Edge_1RB_Right	21.30	/	/	22.70	/	/	<=30	Pass
		Outer_Full	21.28	/	/	22.68	/	/	<=30	Pass
		Inner_Full	21.31	/	/	22.71	/	/	<=30	Pass
	3954.99	Inner_1RB_Left	21.24	/	/	22.64	/	/	<=30	Pass
		Inner_1RB_Right	21.26	/	/	22.66	/	/	<=30	Pass
		Edge_1RB_Left	21.31	/	/	22.71	/	/	<=30	Pass
		Edge_1RB_Right	21.13	/	/	22.53	/	/	<=30	Pass
		Outer_Full	21.33	/	/	22.73	/	/	<=30	Pass
		Inner_Full	21.28	/	/	22.68	/	/	<=30	Pass
		Inner_1RB_Left	21.32	/	/	22.72	/	/	<=30	Pass
CP-OFDM QPSK	3725.01	Inner_1RB_Right	21.14	/	/	22.54	/	/	<=30	Pass
		Edge_1RB_Left	21.57	/	/	22.97	/	/	<=30	Pass
		Edge_1RB_Right	22.31	/	/	23.71	/	/	<=30	Pass
		Outer_Full	22.55	/	/	23.95	/	/	<=30	Pass
		Inner_Full	24.00	/	/	25.40	/	/	<=30	Pass
		Inner_1RB_Left	23.32	/	/	24.72	/	/	<=30	Pass
		Inner_1RB_Right	24.05	/	/	25.45	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.26	/	/	23.66	/	/	<=30	Pass
		Edge_1RB_Right	22.27	/	/	23.67	/	/	<=30	Pass
		Outer_Full	22.77	/	/	24.17	/	/	<=30	Pass
		Inner_Full	24.19	/	/	25.59	/	/	<=30	Pass
	3954.99	Inner_1RB_Left	24.09	/	/	25.49	/	/	<=30	Pass
		Inner_1RB_Right	24.18	/	/	25.58	/	/	<=30	Pass
		Edge_1RB_Left	22.28	/	/	23.68	/	/	<=30	Pass
		Edge_1RB_Right	22.04	/	/	23.44	/	/	<=30	Pass
		Outer_Full	22.72	/	/	24.12	/	/	<=30	Pass
		Inner_Full	24.17	/	/	25.57	/	/	<=30	Pass
		Inner_1RB_Left	24.24	/	/	25.64	/	/	<=30	Pass
CP-OFDM 16 QAM	3725.01	Inner_1RB_Right	24.08	/	/	25.48	/	/	<=30	Pass
		Edge_1RB_Left	21.47	/	/	22.87	/	/	<=30	Pass
		Edge_1RB_Right	22.22	/	/	23.62	/	/	<=30	Pass
		Outer_Full	22.49	/	/	23.89	/	/	<=30	Pass
		Inner_Full	23.54	/	/	24.94	/	/	<=30	Pass
		Inner_1RB_Left	23.07	/	/	24.47	/	/	<=30	Pass
		Inner_1RB_Right	23.78	/	/	25.18	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.11	/	/	23.51	/	/	<=30	Pass
		Edge_1RB_Right	22.11	/	/	23.51	/	/	<=30	Pass
		Outer_Full	22.69	/	/	24.09	/	/	<=30	Pass
		Inner_Full	23.74	/	/	25.14	/	/	<=30	Pass
		Inner_1RB_Left	23.65	/	/	25.05	/	/	<=30	Pass
	3954.99	Inner_1RB_Right	23.69	/	/	25.09	/	/	<=30	Pass
		Edge_1RB_Left	22.25	/	/	23.65	/	/	<=30	Pass
		Edge_1RB_Right	22.00	/	/	23.40	/	/	<=30	Pass
		Outer_Full	22.68	/	/	24.08	/	/	<=30	Pass
		Inner_Full	23.69	/	/	25.09	/	/	<=30	Pass
		Inner_1RB_Left	23.55	/	/	24.95	/	/	<=30	Pass
		Inner_1RB_Right	23.51	/	/	24.91	/	/	<=30	Pass
CP-OFDM 64 QAM	3725.01	Edge_1RB_Left	21.39	/	/	22.79	/	/	<=30	Pass
		Edge_1RB_Right	22.11	/	/	23.51	/	/	<=30	Pass
		Outer_Full	22.04	/	/	23.44	/	/	<=30	Pass
		Inner_Full	22.09	/	/	23.49	/	/	<=30	Pass
		Inner_1RB_Left	21.43	/	/	22.83	/	/	<=30	Pass
		Inner_1RB_Right	22.10	/	/	23.50	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.97	/	/	23.37	/	/	<=30	Pass

		Edge_1RB_Right	21.97	/	/	23.37	/	/	<=30	Pass
		Outer_Full	22.25	/	/	23.65	/	/	<=30	Pass
		Inner_Full	22.28	/	/	23.68	/	/	<=30	Pass
		Inner_1RB_Left	22.01	/	/	23.41	/	/	<=30	Pass
		Inner_1RB_Right	21.99	/	/	23.39	/	/	<=30	Pass
	3954.99	Edge_1RB_Left	22.08	/	/	23.48	/	/	<=30	Pass
		Edge_1RB_Right	21.83	/	/	23.23	/	/	<=30	Pass
		Outer_Full	22.22	/	/	23.62	/	/	<=30	Pass
		Inner_Full	22.27	/	/	23.67	/	/	<=30	Pass
		Inner_1RB_Left	22.08	/	/	23.48	/	/	<=30	Pass
		Inner_1RB_Right	21.82	/	/	23.22	/	/	<=30	Pass
CP-OFDM 256 QAM	3725.01	Edge_1RB_Left	18.79	/	/	20.19	/	/	<=30	Pass
		Edge_1RB_Right	19.64	/	/	21.04	/	/	<=30	Pass
		Outer_Full	19.15	/	/	20.55	/	/	<=30	Pass
		Inner_Full	19.15	/	/	20.55	/	/	<=30	Pass
		Inner_1RB_Left	18.89	/	/	20.29	/	/	<=30	Pass
		Inner_1RB_Right	19.66	/	/	21.06	/	/	<=30	Pass
	3840	Edge_1RB_Left	19.49	/	/	20.89	/	/	<=30	Pass
		Edge_1RB_Right	19.49	/	/	20.89	/	/	<=30	Pass
		Outer_Full	19.35	/	/	20.75	/	/	<=30	Pass
		Inner_Full	19.36	/	/	20.76	/	/	<=30	Pass
		Inner_1RB_Left	19.43	/	/	20.83	/	/	<=30	Pass
		Inner_1RB_Right	19.49	/	/	20.89	/	/	<=30	Pass
	3954.99	Edge_1RB_Left	19.54	/	/	20.94	/	/	<=30	Pass
		Edge_1RB_Right	19.40	/	/	20.80	/	/	<=30	Pass
		Outer_Full	19.28	/	/	20.68	/	/	<=30	Pass
		Inner_Full	19.31	/	/	20.71	/	/	<=30	Pass
		Inner_1RB_Left	19.56	/	/	20.96	/	/	<=30	Pass
		Inner_1RB_Right	19.32	/	/	20.72	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: 1.40dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.6 30k_SISO_60MHz_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 60MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3730.02	Edge_1RB_Left	21.65	/	/	23.05	/	/	<=30	Pass
		Edge_1RB_Right	22.37	/	/	23.77	/	/	<=30	Pass
		Outer_Full	25.06	/	/	26.46	/	/	<=30	Pass
		Inner_Full	25.59	/	/	26.99	/	/	<=30	Pass
		Inner_1RB_Left	25.06	/	/	26.46	/	/	<=30	Pass
		Inner_1RB_Right	25.75	/	/	27.15	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.11	/	/	23.51	/	/	<=30	Pass
		Edge_1RB_Right	22.20	/	/	23.60	/	/	<=30	Pass
		Outer_Full	25.17	/	/	26.57	/	/	<=30	Pass
		Inner_Full	25.68	/	/	27.08	/	/	<=30	Pass
		Inner_1RB_Left	25.47	/	/	26.87	/	/	<=30	Pass
		Inner_1RB_Right	25.55	/	/	26.95	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	22.17	/	/	23.57	/	/	<=30	Pass
		Edge_1RB_Right	22.17	/	/	23.57	/	/	<=30	Pass
		Outer_Full	25.13	/	/	26.53	/	/	<=30	Pass
		Inner_Full	25.65	/	/	27.05	/	/	<=30	Pass
		Inner_1RB_Left	25.59	/	/	26.99	/	/	<=30	Pass
		Inner_1RB_Right	25.56	/	/	26.96	/	/	<=30	Pass
DFT-s-OFDM QPSK	3730.02	Edge_1RB_Left	21.64	/	/	23.04	/	/	<=30	Pass
		Edge_1RB_Right	22.31	/	/	23.71	/	/	<=30	Pass
		Outer_Full	24.53	/	/	25.93	/	/	<=30	Pass

		Inner_Full	25.57	/	/	26.97	/	/	<=30	Pass
		Inner_1RB_Left	25.05	/	/	26.45	/	/	<=30	Pass
		Inner_1RB_Right	25.69	/	/	27.09	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.09	/	/	23.49	/	/	<=30	Pass
		Edge_1RB_Right	22.16	/	/	23.56	/	/	<=30	Pass
		Outer_Full	24.70	/	/	26.10	/	/	<=30	Pass
		Inner_Full	25.66	/	/	27.06	/	/	<=30	Pass
		Inner_1RB_Left	25.44	/	/	26.84	/	/	<=30	Pass
		Inner_1RB_Right	25.64	/	/	27.04	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	22.17	/	/	23.57	/	/	<=30	Pass
		Edge_1RB_Right	22.12	/	/	23.52	/	/	<=30	Pass
		Outer_Full	24.66	/	/	26.06	/	/	<=30	Pass
		Inner_Full	25.65	/	/	27.05	/	/	<=30	Pass
		Inner_1RB_Left	25.54	/	/	26.94	/	/	<=30	Pass
		Inner_1RB_Right	25.65	/	/	27.05	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3730.02	Edge_1RB_Left	21.66	/	/	23.06	/	/	<=30	Pass
		Edge_1RB_Right	22.29	/	/	23.69	/	/	<=30	Pass
		Outer_Full	23.54	/	/	24.94	/	/	<=30	Pass
		Inner_Full	24.62	/	/	26.02	/	/	<=30	Pass
		Inner_1RB_Left	24.03	/	/	25.43	/	/	<=30	Pass
		Inner_1RB_Right	24.66	/	/	26.06	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.04	/	/	23.44	/	/	<=30	Pass
		Edge_1RB_Right	22.17	/	/	23.57	/	/	<=30	Pass
		Outer_Full	23.63	/	/	25.03	/	/	<=30	Pass
		Inner_Full	24.75	/	/	26.15	/	/	<=30	Pass
		Inner_1RB_Left	24.36	/	/	25.76	/	/	<=30	Pass
		Inner_1RB_Right	24.49	/	/	25.89	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	22.08	/	/	23.48	/	/	<=30	Pass
		Edge_1RB_Right	22.10	/	/	23.50	/	/	<=30	Pass
		Outer_Full	23.63	/	/	25.03	/	/	<=30	Pass
		Inner_Full	24.68	/	/	26.08	/	/	<=30	Pass
		Inner_1RB_Left	24.48	/	/	25.88	/	/	<=30	Pass
		Inner_1RB_Right	24.52	/	/	25.92	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3730.02	Edge_1RB_Left	21.49	/	/	22.89	/	/	<=30	Pass
		Edge_1RB_Right	22.17	/	/	23.57	/	/	<=30	Pass
		Outer_Full	23.04	/	/	24.44	/	/	<=30	Pass
		Inner_Full	23.12	/	/	24.52	/	/	<=30	Pass
		Inner_1RB_Left	22.55	/	/	23.95	/	/	<=30	Pass
		Inner_1RB_Right	23.23	/	/	24.63	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.94	/	/	23.34	/	/	<=30	Pass
		Edge_1RB_Right	22.01	/	/	23.41	/	/	<=30	Pass
		Outer_Full	23.19	/	/	24.59	/	/	<=30	Pass
		Inner_Full	23.22	/	/	24.62	/	/	<=30	Pass
		Inner_1RB_Left	22.98	/	/	24.38	/	/	<=30	Pass
		Inner_1RB_Right	23.03	/	/	24.43	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	22.01	/	/	23.41	/	/	<=30	Pass
		Edge_1RB_Right	22.00	/	/	23.40	/	/	<=30	Pass
		Outer_Full	23.14	/	/	24.54	/	/	<=30	Pass
		Inner_Full	23.21	/	/	24.61	/	/	<=30	Pass
		Inner_1RB_Left	23.09	/	/	24.49	/	/	<=30	Pass
		Inner_1RB_Right	23.03	/	/	24.43	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3730.02	Edge_1RB_Left	20.75	/	/	22.15	/	/	<=30	Pass
		Edge_1RB_Right	21.37	/	/	22.77	/	/	<=30	Pass
		Outer_Full	21.10	/	/	22.50	/	/	<=30	Pass
		Inner_Full	21.22	/	/	22.62	/	/	<=30	Pass
		Inner_1RB_Left	20.73	/	/	22.13	/	/	<=30	Pass
		Inner_1RB_Right	21.42	/	/	22.82	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.16	/	/	22.56	/	/	<=30	Pass
		Edge_1RB_Right	21.19	/	/	22.59	/	/	<=30	Pass

		Outer_Full	21.24	/	/	22.64	/	/	<=30	Pass
		Inner_Full	21.31	/	/	22.71	/	/	<=30	Pass
		Inner_1RB_Left	21.17	/	/	22.57	/	/	<=30	Pass
		Inner_1RB_Right	21.27	/	/	22.67	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	21.25	/	/	22.65	/	/	<=30	Pass
		Edge_1RB_Right	21.18	/	/	22.58	/	/	<=30	Pass
		Outer_Full	21.19	/	/	22.59	/	/	<=30	Pass
		Inner_Full	21.24	/	/	22.64	/	/	<=30	Pass
		Inner_1RB_Left	21.28	/	/	22.68	/	/	<=30	Pass
		Inner_1RB_Right	21.21	/	/	22.61	/	/	<=30	Pass
CP-OFDM QPSK	3730.02	Edge_1RB_Left	21.65	/	/	23.05	/	/	<=30	Pass
		Edge_1RB_Right	22.29	/	/	23.69	/	/	<=30	Pass
		Outer_Full	22.58	/	/	23.98	/	/	<=30	Pass
		Inner_Full	24.15	/	/	25.55	/	/	<=30	Pass
		Inner_1RB_Left	23.39	/	/	24.79	/	/	<=30	Pass
		Inner_1RB_Right	24.10	/	/	25.50	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.05	/	/	23.45	/	/	<=30	Pass
		Edge_1RB_Right	22.15	/	/	23.55	/	/	<=30	Pass
		Outer_Full	22.71	/	/	24.11	/	/	<=30	Pass
		Inner_Full	24.25	/	/	25.65	/	/	<=30	Pass
		Inner_1RB_Left	23.81	/	/	25.21	/	/	<=30	Pass
		Inner_1RB_Right	23.94	/	/	25.34	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	22.18	/	/	23.58	/	/	<=30	Pass
		Edge_1RB_Right	22.14	/	/	23.54	/	/	<=30	Pass
		Outer_Full	22.66	/	/	24.06	/	/	<=30	Pass
		Inner_Full	24.14	/	/	25.54	/	/	<=30	Pass
		Inner_1RB_Left	24.01	/	/	25.41	/	/	<=30	Pass
		Inner_1RB_Right	24.07	/	/	25.47	/	/	<=30	Pass
CP-OFDM 16 QAM	3730.02	Edge_1RB_Left	21.49	/	/	22.89	/	/	<=30	Pass
		Edge_1RB_Right	22.27	/	/	23.67	/	/	<=30	Pass
		Outer_Full	22.51	/	/	23.91	/	/	<=30	Pass
		Inner_Full	23.61	/	/	25.01	/	/	<=30	Pass
		Inner_1RB_Left	23.12	/	/	24.52	/	/	<=30	Pass
		Inner_1RB_Right	23.81	/	/	25.21	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.11	/	/	23.51	/	/	<=30	Pass
		Edge_1RB_Right	22.08	/	/	23.48	/	/	<=30	Pass
		Outer_Full	22.68	/	/	24.08	/	/	<=30	Pass
		Inner_Full	23.72	/	/	25.12	/	/	<=30	Pass
		Inner_1RB_Left	23.62	/	/	25.02	/	/	<=30	Pass
		Inner_1RB_Right	23.62	/	/	25.02	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	22.14	/	/	23.54	/	/	<=30	Pass
		Edge_1RB_Right	22.04	/	/	23.44	/	/	<=30	Pass
		Outer_Full	22.62	/	/	24.02	/	/	<=30	Pass
		Inner_Full	23.65	/	/	25.05	/	/	<=30	Pass
		Inner_1RB_Left	23.60	/	/	25.00	/	/	<=30	Pass
		Inner_1RB_Right	23.57	/	/	24.97	/	/	<=30	Pass
CP-OFDM 64 QAM	3730.02	Edge_1RB_Left	21.43	/	/	22.83	/	/	<=30	Pass
		Edge_1RB_Right	22.12	/	/	23.52	/	/	<=30	Pass
		Outer_Full	22.05	/	/	23.45	/	/	<=30	Pass
		Inner_Full	22.12	/	/	23.52	/	/	<=30	Pass
		Inner_1RB_Left	21.42	/	/	22.82	/	/	<=30	Pass
		Inner_1RB_Right	22.12	/	/	23.52	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.86	/	/	23.26	/	/	<=30	Pass
		Edge_1RB_Right	21.94	/	/	23.34	/	/	<=30	Pass
		Outer_Full	22.18	/	/	23.58	/	/	<=30	Pass
		Inner_Full	22.24	/	/	23.64	/	/	<=30	Pass
		Inner_1RB_Left	21.85	/	/	23.25	/	/	<=30	Pass
		Inner_1RB_Right	21.98	/	/	23.38	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	21.97	/	/	23.37	/	/	<=30	Pass

		Edge_1RB_Right	21.98	/	/	23.38	/	/	<=30	Pass	
		Outer_Full	22.15	/	/	23.55	/	/	<=30	Pass	
		Inner_Full	22.17	/	/	23.57	/	/	<=30	Pass	
		Inner_1RB_Left	21.99	/	/	23.39	/	/	<=30	Pass	
		Inner_1RB_Right	21.99	/	/	23.39	/	/	<=30	Pass	
CP-OFDM 256 QAM	3730.02	Edge_1RB_Left	18.93	/	/	20.33	/	/	<=30	Pass	
		Edge_1RB_Right	19.51	/	/	20.91	/	/	<=30	Pass	
		Outer_Full	19.11	/	/	20.51	/	/	<=30	Pass	
		Inner_Full	19.18	/	/	20.58	/	/	<=30	Pass	
		Inner_1RB_Left	18.80	/	/	20.20	/	/	<=30	Pass	
	3840	Inner_1RB_Right	19.58	/	/	20.98	/	/	<=30	Pass	
		Edge_1RB_Left	19.34	/	/	20.74	/	/	<=30	Pass	
		Edge_1RB_Right	19.37	/	/	20.77	/	/	<=30	Pass	
		Outer_Full	19.27	/	/	20.67	/	/	<=30	Pass	
		Inner_Full	19.28	/	/	20.68	/	/	<=30	Pass	
		Inner_1RB_Left	19.33	/	/	20.73	/	/	<=30	Pass	
		Inner_1RB_Right	19.44	/	/	20.84	/	/	<=30	Pass	
	3949.98	Edge_1RB_Left	19.43	/	/	20.83	/	/	<=30	Pass	
		Edge_1RB_Right	19.36	/	/	20.76	/	/	<=30	Pass	
		Outer_Full	19.19	/	/	20.59	/	/	<=30	Pass	
		Inner_Full	19.24	/	/	20.64	/	/	<=30	Pass	
		Inner_1RB_Left	19.43	/	/	20.83	/	/	<=30	Pass	
			Inner_1RB_Right	19.42	/	/	20.82	/	/	<=30	Pass
	Note1: Antenna Gain: Ant1: 1.40dBi;										
	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	21.64	/	/	23.04	/	/	<=30	Pass
		Edge_1RB_Right	22.14	/	/	23.54	/	/	<=30	Pass
		Outer_Full	25.11	/	/	26.51	/	/	<=30	Pass
		Inner_Full	25.66	/	/	27.06	/	/	<=30	Pass
		Inner_1RB_Left	25.05	/	/	26.45	/	/	<=30	Pass
		Inner_1RB_Right	25.49	/	/	26.89	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.98	/	/	23.38	/	/	<=30	Pass
		Edge_1RB_Right	22.06	/	/	23.46	/	/	<=30	Pass
		Outer_Full	25.16	/	/	26.56	/	/	<=30	Pass
		Inner_Full	25.69	/	/	27.09	/	/	<=30	Pass
		Inner_1RB_Left	25.35	/	/	26.75	/	/	<=30	Pass
		Inner_1RB_Right	25.47	/	/	26.87	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	22.24	/	/	23.64	/	/	<=30	Pass
		Edge_1RB_Right	22.09	/	/	23.49	/	/	<=30	Pass
		Outer_Full	25.23	/	/	26.63	/	/	<=30	Pass
		Inner_Full	25.72	/	/	27.12	/	/	<=30	Pass
		Inner_1RB_Left	25.64	/	/	27.04	/	/	<=30	Pass
		Inner_1RB_Right	25.50	/	/	26.90	/	/	<=30	Pass
DFT-s-OFDM QPSK	3740.01	Edge_1RB_Left	21.62	/	/	23.02	/	/	<=30	Pass
		Edge_1RB_Right	22.06	/	/	23.46	/	/	<=30	Pass
		Outer_Full	24.61	/	/	26.01	/	/	<=30	Pass
		Inner_Full	25.68	/	/	27.08	/	/	<=30	Pass
		Inner_1RB_Left	25.25	/	/	26.65	/	/	<=30	Pass
		Inner_1RB_Right	25.70	/	/	27.10	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.91	/	/	23.31	/	/	<=30	Pass
		Edge_1RB_Right	22.06	/	/	23.46	/	/	<=30	Pass
		Outer_Full	24.68	/	/	26.08	/	/	<=30	Pass

		Inner_Full	25.71	/	/	27.11	/	/	<=30	Pass
		Inner_1RB_Left	25.55	/	/	26.95	/	/	<=30	Pass
		Inner_1RB_Right	25.63	/	/	27.03	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	22.18	/	/	23.58	/	/	<=30	Pass
		Edge_1RB_Right	22.07	/	/	23.47	/	/	<=30	Pass
		Outer_Full	24.70	/	/	26.10	/	/	<=30	Pass
		Inner_Full	25.73	/	/	27.13	/	/	<=30	Pass
		Inner_1RB_Left	25.73	/	/	27.13	/	/	<=30	Pass
		Inner_1RB_Right	25.41	/	/	26.81	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3740.01	Edge_1RB_Left	21.65	/	/	23.05	/	/	<=30	Pass
		Edge_1RB_Right	22.18	/	/	23.58	/	/	<=30	Pass
		Outer_Full	23.59	/	/	24.99	/	/	<=30	Pass
		Inner_Full	24.70	/	/	26.10	/	/	<=30	Pass
		Inner_1RB_Left	24.03	/	/	25.43	/	/	<=30	Pass
		Inner_1RB_Right	24.52	/	/	25.92	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.05	/	/	23.45	/	/	<=30	Pass
		Edge_1RB_Right	22.06	/	/	23.46	/	/	<=30	Pass
		Outer_Full	23.63	/	/	25.03	/	/	<=30	Pass
		Inner_Full	24.72	/	/	26.12	/	/	<=30	Pass
		Inner_1RB_Left	24.35	/	/	25.75	/	/	<=30	Pass
		Inner_1RB_Right	24.47	/	/	25.87	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	22.19	/	/	23.59	/	/	<=30	Pass
		Edge_1RB_Right	22.01	/	/	23.41	/	/	<=30	Pass
		Outer_Full	23.71	/	/	25.11	/	/	<=30	Pass
		Inner_Full	24.71	/	/	26.11	/	/	<=30	Pass
		Inner_1RB_Left	24.56	/	/	25.96	/	/	<=30	Pass
		Inner_1RB_Right	24.43	/	/	25.83	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3740.01	Edge_1RB_Left	21.47	/	/	22.87	/	/	<=30	Pass
		Edge_1RB_Right	21.95	/	/	23.35	/	/	<=30	Pass
		Outer_Full	23.09	/	/	24.49	/	/	<=30	Pass
		Inner_Full	23.21	/	/	24.61	/	/	<=30	Pass
		Inner_1RB_Left	22.59	/	/	23.99	/	/	<=30	Pass
		Inner_1RB_Right	23.14	/	/	24.54	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.85	/	/	23.25	/	/	<=30	Pass
		Edge_1RB_Right	21.92	/	/	23.32	/	/	<=30	Pass
		Outer_Full	23.20	/	/	24.60	/	/	<=30	Pass
		Inner_Full	23.27	/	/	24.67	/	/	<=30	Pass
		Inner_1RB_Left	23.01	/	/	24.41	/	/	<=30	Pass
		Inner_1RB_Right	23.01	/	/	24.41	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	22.08	/	/	23.48	/	/	<=30	Pass
		Edge_1RB_Right	21.95	/	/	23.35	/	/	<=30	Pass
		Outer_Full	23.23	/	/	24.63	/	/	<=30	Pass
		Inner_Full	23.23	/	/	24.63	/	/	<=30	Pass
		Inner_1RB_Left	23.14	/	/	24.54	/	/	<=30	Pass
		Inner_1RB_Right	22.99	/	/	24.39	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3740.01	Edge_1RB_Left	20.68	/	/	22.08	/	/	<=30	Pass
		Edge_1RB_Right	21.16	/	/	22.56	/	/	<=30	Pass
		Outer_Full	21.21	/	/	22.61	/	/	<=30	Pass
		Inner_Full	21.28	/	/	22.68	/	/	<=30	Pass
		Inner_1RB_Left	20.68	/	/	22.08	/	/	<=30	Pass
		Inner_1RB_Right	21.17	/	/	22.57	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.99	/	/	22.39	/	/	<=30	Pass
		Edge_1RB_Right	21.13	/	/	22.53	/	/	<=30	Pass
		Outer_Full	21.24	/	/	22.64	/	/	<=30	Pass
		Inner_Full	21.29	/	/	22.69	/	/	<=30	Pass
		Inner_1RB_Left	20.99	/	/	22.39	/	/	<=30	Pass
		Inner_1RB_Right	21.15	/	/	22.55	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	21.27	/	/	22.67	/	/	<=30	Pass
		Edge_1RB_Right	21.16	/	/	22.56	/	/	<=30	Pass

		Outer_Full	21.29	/	/	22.69	/	/	<=30	Pass
		Inner_Full	21.32	/	/	22.72	/	/	<=30	Pass
		Inner_1RB_Left	21.24	/	/	22.64	/	/	<=30	Pass
		Inner_1RB_Right	21.15	/	/	22.55	/	/	<=30	Pass
CP-OFDM QPSK	3740.01	Edge_1RB_Left	21.60	/	/	23.00	/	/	<=30	Pass
		Edge_1RB_Right	22.05	/	/	23.45	/	/	<=30	Pass
		Outer_Full	22.62	/	/	24.02	/	/	<=30	Pass
		Inner_Full	24.15	/	/	25.55	/	/	<=30	Pass
		Inner_1RB_Left	23.46	/	/	24.86	/	/	<=30	Pass
		Inner_1RB_Right	24.06	/	/	25.46	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.05	/	/	23.45	/	/	<=30	Pass
		Edge_1RB_Right	22.03	/	/	23.43	/	/	<=30	Pass
		Outer_Full	22.70	/	/	24.10	/	/	<=30	Pass
		Inner_Full	24.19	/	/	25.59	/	/	<=30	Pass
		Inner_1RB_Left	23.83	/	/	25.23	/	/	<=30	Pass
		Inner_1RB_Right	23.96	/	/	25.36	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	22.21	/	/	23.61	/	/	<=30	Pass
		Edge_1RB_Right	22.11	/	/	23.51	/	/	<=30	Pass
		Outer_Full	22.76	/	/	24.16	/	/	<=30	Pass
		Inner_Full	24.23	/	/	25.63	/	/	<=30	Pass
		Inner_1RB_Left	24.09	/	/	25.49	/	/	<=30	Pass
		Inner_1RB_Right	24.01	/	/	25.41	/	/	<=30	Pass
CP-OFDM 16 QAM	3740.01	Edge_1RB_Left	21.58	/	/	22.98	/	/	<=30	Pass
		Edge_1RB_Right	21.99	/	/	23.39	/	/	<=30	Pass
		Outer_Full	22.60	/	/	24.00	/	/	<=30	Pass
		Inner_Full	23.72	/	/	25.12	/	/	<=30	Pass
		Inner_1RB_Left	23.12	/	/	24.52	/	/	<=30	Pass
		Inner_1RB_Right	23.67	/	/	25.07	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.97	/	/	23.37	/	/	<=30	Pass
		Edge_1RB_Right	22.03	/	/	23.43	/	/	<=30	Pass
		Outer_Full	22.67	/	/	24.07	/	/	<=30	Pass
		Inner_Full	23.75	/	/	25.15	/	/	<=30	Pass
		Inner_1RB_Left	23.51	/	/	24.91	/	/	<=30	Pass
		Inner_1RB_Right	23.57	/	/	24.97	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	22.18	/	/	23.58	/	/	<=30	Pass
		Edge_1RB_Right	22.00	/	/	23.40	/	/	<=30	Pass
		Outer_Full	22.75	/	/	24.15	/	/	<=30	Pass
		Inner_Full	23.75	/	/	25.15	/	/	<=30	Pass
		Inner_1RB_Left	23.67	/	/	25.07	/	/	<=30	Pass
		Inner_1RB_Right	23.57	/	/	24.97	/	/	<=30	Pass
CP-OFDM 64 QAM	3740.01	Edge_1RB_Left	21.40	/	/	22.80	/	/	<=30	Pass
		Edge_1RB_Right	21.85	/	/	23.25	/	/	<=30	Pass
		Outer_Full	22.14	/	/	23.54	/	/	<=30	Pass
		Inner_Full	22.18	/	/	23.58	/	/	<=30	Pass
		Inner_1RB_Left	21.38	/	/	22.78	/	/	<=30	Pass
		Inner_1RB_Right	21.94	/	/	23.34	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.65	/	/	23.05	/	/	<=30	Pass
		Edge_1RB_Right	21.79	/	/	23.19	/	/	<=30	Pass
		Outer_Full	22.20	/	/	23.60	/	/	<=30	Pass
		Inner_Full	22.22	/	/	23.62	/	/	<=30	Pass
		Inner_1RB_Left	21.63	/	/	23.03	/	/	<=30	Pass
		Inner_1RB_Right	21.88	/	/	23.28	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	21.99	/	/	23.39	/	/	<=30	Pass
		Edge_1RB_Right	21.89	/	/	23.29	/	/	<=30	Pass
		Outer_Full	22.23	/	/	23.63	/	/	<=30	Pass
		Inner_Full	22.23	/	/	23.63	/	/	<=30	Pass
		Inner_1RB_Left	21.96	/	/	23.36	/	/	<=30	Pass
		Inner_1RB_Right	21.92	/	/	23.32	/	/	<=30	Pass
CP-OFDM 256 QAM	3740.01	Edge_1RB_Left	18.83	/	/	20.23	/	/	<=30	Pass

		Edge_1RB_Right	19.26	/	/	20.66	/	/	<=30	Pass
		Outer_Full	19.19	/	/	20.59	/	/	<=30	Pass
		Inner_Full	19.28	/	/	20.68	/	/	<=30	Pass
		Inner_1RB_Left	18.80	/	/	20.20	/	/	<=30	Pass
		Inner_1RB_Right	19.26	/	/	20.66	/	/	<=30	Pass
	3840	Edge_1RB_Left	19.03	/	/	20.43	/	/	<=30	Pass
		Edge_1RB_Right	19.17	/	/	20.57	/	/	<=30	Pass
		Outer_Full	19.27	/	/	20.67	/	/	<=30	Pass
		Inner_Full	19.34	/	/	20.74	/	/	<=30	Pass
		Inner_1RB_Left	19.09	/	/	20.49	/	/	<=30	Pass
	3939.99	Inner_1RB_Right	19.22	/	/	20.62	/	/	<=30	Pass
		Edge_1RB_Left	19.41	/	/	20.81	/	/	<=30	Pass
		Edge_1RB_Right	19.18	/	/	20.58	/	/	<=30	Pass
		Outer_Full	19.29	/	/	20.69	/	/	<=30	Pass
		Inner_Full	19.30	/	/	20.70	/	/	<=30	Pass
		Inner_1RB_Left	19.35	/	/	20.75	/	/	<=30	Pass
		Inner_1RB_Right	19.26	/	/	20.66	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: 1.40dBi; 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	21.54	/	/	22.94	/	/	<=30	Pass
		Edge_1RB_Right	22.12	/	/	23.52	/	/	<=30	Pass
		Outer_Full	25.07	/	/	26.47	/	/	<=30	Pass
		Inner_Full	25.64	/	/	27.04	/	/	<=30	Pass
		Inner_1RB_Left	24.93	/	/	26.33	/	/	<=30	Pass
		Inner_1RB_Right	25.48	/	/	26.88	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.89	/	/	23.29	/	/	<=30	Pass
		Edge_1RB_Right	22.09	/	/	23.49	/	/	<=30	Pass
		Outer_Full	25.14	/	/	26.54	/	/	<=30	Pass
		Inner_Full	25.71	/	/	27.11	/	/	<=30	Pass
		Inner_1RB_Left	25.28	/	/	26.68	/	/	<=30	Pass
		Inner_1RB_Right	25.50	/	/	26.90	/	/	<=30	Pass
	3934.98	Edge_1RB_Left	22.18	/	/	23.58	/	/	<=30	Pass
		Edge_1RB_Right	21.93	/	/	23.33	/	/	<=30	Pass
		Outer_Full	25.22	/	/	26.62	/	/	<=30	Pass
		Inner_Full	25.77	/	/	27.17	/	/	<=30	Pass
		Inner_1RB_Left	25.55	/	/	26.95	/	/	<=30	Pass
		Inner_1RB_Right	25.31	/	/	26.71	/	/	<=30	Pass
DFT-s-OFDM QPSK	3745.02	Edge_1RB_Left	21.51	/	/	22.91	/	/	<=30	Pass
		Edge_1RB_Right	22.06	/	/	23.46	/	/	<=30	Pass
		Outer_Full	24.56	/	/	25.96	/	/	<=30	Pass
		Inner_Full	25.64	/	/	27.04	/	/	<=30	Pass
		Inner_1RB_Left	24.81	/	/	26.21	/	/	<=30	Pass
		Inner_1RB_Right	25.70	/	/	27.10	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.82	/	/	23.22	/	/	<=30	Pass
		Edge_1RB_Right	22.05	/	/	23.45	/	/	<=30	Pass
		Outer_Full	24.63	/	/	26.03	/	/	<=30	Pass
		Inner_Full	25.72	/	/	27.12	/	/	<=30	Pass
		Inner_1RB_Left	25.49	/	/	26.89	/	/	<=30	Pass
		Inner_1RB_Right	25.40	/	/	26.80	/	/	<=30	Pass
	3934.98	Edge_1RB_Left	22.12	/	/	23.52	/	/	<=30	Pass
		Edge_1RB_Right	21.90	/	/	23.30	/	/	<=30	Pass
		Outer_Full	24.72	/	/	26.12	/	/	<=30	Pass

		Inner_Full	25.78	/	/	27.18	/	/	<=30	Pass
		Inner_1RB_Left	25.48	/	/	26.88	/	/	<=30	Pass
		Inner_1RB_Right	25.38	/	/	26.78	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3745.02	Edge_1RB_Left	21.49	/	/	22.89	/	/	<=30	Pass
		Edge_1RB_Right	22.10	/	/	23.50	/	/	<=30	Pass
		Outer_Full	23.53	/	/	24.93	/	/	<=30	Pass
		Inner_Full	24.66	/	/	26.06	/	/	<=30	Pass
		Inner_1RB_Left	23.84	/	/	25.24	/	/	<=30	Pass
		Inner_1RB_Right	24.41	/	/	25.81	/	/	<=30	Pass
		Edge_1RB_Left	21.81	/	/	23.21	/	/	<=30	Pass
	3840	Edge_1RB_Right	22.09	/	/	23.49	/	/	<=30	Pass
		Outer_Full	23.67	/	/	25.07	/	/	<=30	Pass
		Inner_Full	24.76	/	/	26.16	/	/	<=30	Pass
		Inner_1RB_Left	24.22	/	/	25.62	/	/	<=30	Pass
		Inner_1RB_Right	24.39	/	/	25.79	/	/	<=30	Pass
	3934.98	Edge_1RB_Left	22.16	/	/	23.56	/	/	<=30	Pass
		Edge_1RB_Right	21.91	/	/	23.31	/	/	<=30	Pass
		Outer_Full	23.71	/	/	25.11	/	/	<=30	Pass
		Inner_Full	24.80	/	/	26.20	/	/	<=30	Pass
		Inner_1RB_Left	24.48	/	/	25.88	/	/	<=30	Pass
		Inner_1RB_Right	24.23	/	/	25.63	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3745.02	Edge_1RB_Left	21.34	/	/	22.74	/	/	<=30	Pass
		Edge_1RB_Right	21.92	/	/	23.32	/	/	<=30	Pass
		Outer_Full	23.05	/	/	24.45	/	/	<=30	Pass
		Inner_Full	23.17	/	/	24.57	/	/	<=30	Pass
		Inner_1RB_Left	22.50	/	/	23.90	/	/	<=30	Pass
		Inner_1RB_Right	23.16	/	/	24.56	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.70	/	/	23.10	/	/	<=30	Pass
		Edge_1RB_Right	21.93	/	/	23.33	/	/	<=30	Pass
		Outer_Full	23.17	/	/	24.57	/	/	<=30	Pass
		Inner_Full	23.30	/	/	24.70	/	/	<=30	Pass
		Inner_1RB_Left	22.93	/	/	24.33	/	/	<=30	Pass
	3934.98	Inner_1RB_Right	22.99	/	/	24.39	/	/	<=30	Pass
		Edge_1RB_Left	22.01	/	/	23.41	/	/	<=30	Pass
		Edge_1RB_Right	21.74	/	/	23.14	/	/	<=30	Pass
		Outer_Full	23.26	/	/	24.66	/	/	<=30	Pass
		Inner_Full	23.33	/	/	24.73	/	/	<=30	Pass
		Inner_1RB_Left	23.12	/	/	24.52	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3745.02	Inner_1RB_Right	22.83	/	/	24.23	/	/	<=30	Pass
		Edge_1RB_Left	20.57	/	/	21.97	/	/	<=30	Pass
		Edge_1RB_Right	21.17	/	/	22.57	/	/	<=30	Pass
		Outer_Full	21.15	/	/	22.55	/	/	<=30	Pass
		Inner_Full	21.23	/	/	22.63	/	/	<=30	Pass
		Inner_1RB_Left	20.60	/	/	22.00	/	/	<=30	Pass
	3840	Inner_1RB_Right	21.17	/	/	22.57	/	/	<=30	Pass
		Edge_1RB_Left	20.94	/	/	22.34	/	/	<=30	Pass
		Edge_1RB_Right	21.11	/	/	22.51	/	/	<=30	Pass
		Outer_Full	21.26	/	/	22.66	/	/	<=30	Pass
		Inner_Full	21.35	/	/	22.75	/	/	<=30	Pass
		Inner_1RB_Left	20.93	/	/	22.33	/	/	<=30	Pass
	3934.98	Inner_1RB_Right	21.15	/	/	22.55	/	/	<=30	Pass
		Edge_1RB_Left	21.23	/	/	22.63	/	/	<=30	Pass
		Edge_1RB_Right	21.01	/	/	22.41	/	/	<=30	Pass
		Outer_Full	21.30	/	/	22.70	/	/	<=30	Pass
		Inner_Full	21.38	/	/	22.78	/	/	<=30	Pass
		Inner_1RB_Left	21.25	/	/	22.65	/	/	<=30	Pass
CP-OFDM QPSK	3745.02	Inner_1RB_Right	20.96	/	/	22.36	/	/	<=30	Pass
		Edge_1RB_Left	21.56	/	/	22.96	/	/	<=30	Pass
		Edge_1RB_Right	22.06	/	/	23.46	/	/	<=30	Pass

		Outer_Full	22.56	/	/	23.96	/	/	<=30	Pass
		Inner_Full	24.12	/	/	25.52	/	/	<=30	Pass
		Inner_1RB_Left	23.39	/	/	24.79	/	/	<=30	Pass
		Inner_1RB_Right	23.99	/	/	25.39	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.83	/	/	23.23	/	/	<=30	Pass
		Edge_1RB_Right	22.11	/	/	23.51	/	/	<=30	Pass
		Outer_Full	22.67	/	/	24.07	/	/	<=30	Pass
		Inner_Full	24.23	/	/	25.63	/	/	<=30	Pass
	3934.98	Inner_1RB_Left	23.79	/	/	25.19	/	/	<=30	Pass
		Inner_1RB_Right	24.22	/	/	25.62	/	/	<=30	Pass
		Edge_1RB_Left	22.15	/	/	23.55	/	/	<=30	Pass
		Edge_1RB_Right	21.93	/	/	23.33	/	/	<=30	Pass
		Outer_Full	22.73	/	/	24.13	/	/	<=30	Pass
		Inner_Full	24.24	/	/	25.64	/	/	<=30	Pass
		Inner_1RB_Left	24.35	/	/	25.75	/	/	<=30	Pass
		Inner_1RB_Right	23.83	/	/	25.23	/	/	<=30	Pass
CP-OFDM 16 QAM	3745.02	Edge_1RB_Left	21.47	/	/	22.87	/	/	<=30	Pass
		Edge_1RB_Right	22.02	/	/	23.42	/	/	<=30	Pass
		Outer_Full	22.54	/	/	23.94	/	/	<=30	Pass
		Inner_Full	23.62	/	/	25.02	/	/	<=30	Pass
		Inner_1RB_Left	23.01	/	/	24.41	/	/	<=30	Pass
		Inner_1RB_Right	23.70	/	/	25.10	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.80	/	/	23.20	/	/	<=30	Pass
		Edge_1RB_Right	22.04	/	/	23.44	/	/	<=30	Pass
		Outer_Full	22.65	/	/	24.05	/	/	<=30	Pass
		Inner_Full	23.71	/	/	25.11	/	/	<=30	Pass
	3934.98	Inner_1RB_Left	23.24	/	/	24.64	/	/	<=30	Pass
		Inner_1RB_Right	23.61	/	/	25.01	/	/	<=30	Pass
		Edge_1RB_Left	22.12	/	/	23.52	/	/	<=30	Pass
		Edge_1RB_Right	21.85	/	/	23.25	/	/	<=30	Pass
		Outer_Full	22.70	/	/	24.10	/	/	<=30	Pass
		Inner_Full	23.75	/	/	25.15	/	/	<=30	Pass
CP-OFDM 64 QAM	3745.02	Inner_1RB_Left	23.63	/	/	25.03	/	/	<=30	Pass
		Inner_1RB_Right	23.37	/	/	24.77	/	/	<=30	Pass
		Edge_1RB_Left	21.31	/	/	22.71	/	/	<=30	Pass
		Edge_1RB_Right	21.86	/	/	23.26	/	/	<=30	Pass
		Outer_Full	22.09	/	/	23.49	/	/	<=30	Pass
		Inner_Full	22.12	/	/	23.52	/	/	<=30	Pass
	3840	Inner_1RB_Left	21.32	/	/	22.72	/	/	<=30	Pass
		Inner_1RB_Right	21.85	/	/	23.25	/	/	<=30	Pass
		Edge_1RB_Left	21.58	/	/	22.98	/	/	<=30	Pass
		Edge_1RB_Right	21.84	/	/	23.24	/	/	<=30	Pass
		Outer_Full	22.20	/	/	23.60	/	/	<=30	Pass
		Inner_Full	22.24	/	/	23.64	/	/	<=30	Pass
	3934.98	Inner_1RB_Left	21.59	/	/	22.99	/	/	<=30	Pass
		Inner_1RB_Right	21.88	/	/	23.28	/	/	<=30	Pass
		Edge_1RB_Left	21.95	/	/	23.35	/	/	<=30	Pass
		Edge_1RB_Right	21.74	/	/	23.14	/	/	<=30	Pass
		Outer_Full	22.21	/	/	23.61	/	/	<=30	Pass
		Inner_Full	22.27	/	/	23.67	/	/	<=30	Pass
CP-OFDM 256 QAM	3745.02	Inner_1RB_Left	22.01	/	/	23.41	/	/	<=30	Pass
		Inner_1RB_Right	21.72	/	/	23.12	/	/	<=30	Pass
		Edge_1RB_Left	18.73	/	/	20.13	/	/	<=30	Pass
		Edge_1RB_Right	19.26	/	/	20.66	/	/	<=30	Pass
		Outer_Full	19.10	/	/	20.50	/	/	<=30	Pass
		Inner_Full	19.21	/	/	20.61	/	/	<=30	Pass
	3840	Inner_1RB_Left	18.70	/	/	20.10	/	/	<=30	Pass
		Inner_1RB_Right	19.26	/	/	20.66	/	/	<=30	Pass
	3840	Edge_1RB_Left	19.03	/	/	20.43	/	/	<=30	Pass

		Edge_1RB_Right	19.19	/	/	20.59	/	/	<=30	Pass
		Outer_Full	19.25	/	/	20.65	/	/	<=30	Pass
		Inner_Full	19.30	/	/	20.70	/	/	<=30	Pass
		Inner_1RB_Left	19.02	/	/	20.42	/	/	<=30	Pass
		Inner_1RB_Right	19.16	/	/	20.56	/	/	<=30	Pass
	3934.98	Edge_1RB_Left	19.33	/	/	20.73	/	/	<=30	Pass
		Edge_1RB_Right	19.02	/	/	20.42	/	/	<=30	Pass
		Outer_Full	19.30	/	/	20.70	/	/	<=30	Pass
		Inner_Full	19.36	/	/	20.76	/	/	<=30	Pass
		Inner_1RB_Left	19.39	/	/	20.79	/	/	<=30	Pass
		Inner_1RB_Right	19.05	/	/	20.45	/	/	<=30	Pass
	Note1: Antenna Gain: Ant1: 1.40dBi; 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	21.64	/	/	23.04	/	/	<=30	Pass
		Edge_1RB_Right	21.95	/	/	23.35	/	/	<=30	Pass
		Outer_Full	25.06	/	/	26.46	/	/	<=30	Pass
		Inner_Full	25.67	/	/	27.07	/	/	<=30	Pass
		Inner_1RB_Left	24.98	/	/	26.38	/	/	<=30	Pass
	3840	Inner_1RB_Right	25.38	/	/	26.78	/	/	<=30	Pass
		Edge_1RB_Left	21.86	/	/	23.26	/	/	<=30	Pass
		Edge_1RB_Right	22.13	/	/	23.53	/	/	<=30	Pass
		Outer_Full	25.11	/	/	26.51	/	/	<=30	Pass
		Inner_Full	25.70	/	/	27.10	/	/	<=30	Pass
	3930	Inner_1RB_Left	25.23	/	/	26.63	/	/	<=30	Pass
		Inner_1RB_Right	25.49	/	/	26.89	/	/	<=30	Pass
		Edge_1RB_Left	22.02	/	/	23.42	/	/	<=30	Pass
		Edge_1RB_Right	22.07	/	/	23.47	/	/	<=30	Pass
		Outer_Full	25.19	/	/	26.59	/	/	<=30	Pass
DFT-s-OFDM QPSK	3750	Inner_Full	25.73	/	/	27.13	/	/	<=30	Pass
		Inner_1RB_Left	25.38	/	/	26.78	/	/	<=30	Pass
		Inner_1RB_Right	25.45	/	/	26.85	/	/	<=30	Pass
		Edge_1RB_Left	21.59	/	/	22.99	/	/	<=30	Pass
		Edge_1RB_Right	21.91	/	/	23.31	/	/	<=30	Pass
	3840	Outer_Full	24.57	/	/	25.97	/	/	<=30	Pass
		Inner_Full	25.71	/	/	27.11	/	/	<=30	Pass
		Inner_1RB_Left	24.89	/	/	26.29	/	/	<=30	Pass
		Inner_1RB_Right	25.31	/	/	26.71	/	/	<=30	Pass
		Edge_1RB_Left	21.84	/	/	23.24	/	/	<=30	Pass
	3930	Edge_1RB_Right	22.07	/	/	23.47	/	/	<=30	Pass
		Outer_Full	24.66	/	/	26.06	/	/	<=30	Pass
		Inner_Full	25.72	/	/	27.12	/	/	<=30	Pass
		Inner_1RB_Left	25.13	/	/	26.53	/	/	<=30	Pass
		Inner_1RB_Right	25.44	/	/	26.84	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3750	Edge_1RB_Left	21.97	/	/	23.37	/	/	<=30	Pass
		Edge_1RB_Right	22.03	/	/	23.43	/	/	<=30	Pass
		Outer_Full	24.69	/	/	26.09	/	/	<=30	Pass
		Inner_Full	25.73	/	/	27.13	/	/	<=30	Pass
		Inner_1RB_Left	25.38	/	/	26.78	/	/	<=30	Pass
	3750	Inner_1RB_Right	25.38	/	/	26.78	/	/	<=30	Pass
		Edge_1RB_Left	21.49	/	/	22.89	/	/	<=30	Pass
		Edge_1RB_Right	22.00	/	/	23.40	/	/	<=30	Pass
		Outer_Full	23.58	/	/	24.98	/	/	<=30	Pass

		Inner_Full	24.73	/	/	26.13	/	/	<=30	Pass
		Inner_1RB_Left	23.93	/	/	25.33	/	/	<=30	Pass
		Inner_1RB_Right	24.36	/	/	25.76	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.78	/	/	23.18	/	/	<=30	Pass
		Edge_1RB_Right	22.08	/	/	23.48	/	/	<=30	Pass
		Outer_Full	23.66	/	/	25.06	/	/	<=30	Pass
		Inner_Full	24.75	/	/	26.15	/	/	<=30	Pass
		Inner_1RB_Left	24.29	/	/	25.69	/	/	<=30	Pass
		Inner_1RB_Right	24.48	/	/	25.88	/	/	<=30	Pass
	3930	Edge_1RB_Left	21.89	/	/	23.29	/	/	<=30	Pass
		Edge_1RB_Right	21.93	/	/	23.33	/	/	<=30	Pass
		Outer_Full	23.67	/	/	25.07	/	/	<=30	Pass
		Inner_Full	24.72	/	/	26.12	/	/	<=30	Pass
		Inner_1RB_Left	24.38	/	/	25.78	/	/	<=30	Pass
		Inner_1RB_Right	24.43	/	/	25.83	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3750	Edge_1RB_Left	21.43	/	/	22.83	/	/	<=30	Pass
		Edge_1RB_Right	21.75	/	/	23.15	/	/	<=30	Pass
		Outer_Full	23.08	/	/	24.48	/	/	<=30	Pass
		Inner_Full	23.25	/	/	24.65	/	/	<=30	Pass
		Inner_1RB_Left	22.55	/	/	23.95	/	/	<=30	Pass
		Inner_1RB_Right	22.91	/	/	24.31	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.71	/	/	23.11	/	/	<=30	Pass
		Edge_1RB_Right	21.89	/	/	23.29	/	/	<=30	Pass
		Outer_Full	23.16	/	/	24.56	/	/	<=30	Pass
		Inner_Full	23.24	/	/	24.64	/	/	<=30	Pass
		Inner_1RB_Left	22.86	/	/	24.26	/	/	<=30	Pass
		Inner_1RB_Right	23.04	/	/	24.44	/	/	<=30	Pass
	3930	Edge_1RB_Left	21.87	/	/	23.27	/	/	<=30	Pass
		Edge_1RB_Right	21.88	/	/	23.28	/	/	<=30	Pass
		Outer_Full	23.22	/	/	24.62	/	/	<=30	Pass
		Inner_Full	23.28	/	/	24.68	/	/	<=30	Pass
		Inner_1RB_Left	22.93	/	/	24.33	/	/	<=30	Pass
		Inner_1RB_Right	22.95	/	/	24.35	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3750	Edge_1RB_Left	20.66	/	/	22.06	/	/	<=30	Pass
		Edge_1RB_Right	20.98	/	/	22.38	/	/	<=30	Pass
		Outer_Full	21.14	/	/	22.54	/	/	<=30	Pass
		Inner_Full	21.31	/	/	22.71	/	/	<=30	Pass
		Inner_1RB_Left	20.63	/	/	22.03	/	/	<=30	Pass
		Inner_1RB_Right	21.01	/	/	22.41	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.93	/	/	22.33	/	/	<=30	Pass
		Edge_1RB_Right	21.12	/	/	22.52	/	/	<=30	Pass
		Outer_Full	21.25	/	/	22.65	/	/	<=30	Pass
		Inner_Full	21.35	/	/	22.75	/	/	<=30	Pass
		Inner_1RB_Left	20.93	/	/	22.33	/	/	<=30	Pass
		Inner_1RB_Right	21.15	/	/	22.55	/	/	<=30	Pass
	3930	Edge_1RB_Left	21.03	/	/	22.43	/	/	<=30	Pass
		Edge_1RB_Right	21.09	/	/	22.49	/	/	<=30	Pass
		Outer_Full	21.25	/	/	22.65	/	/	<=30	Pass
		Inner_Full	21.33	/	/	22.73	/	/	<=30	Pass
		Inner_1RB_Left	21.08	/	/	22.48	/	/	<=30	Pass
		Inner_1RB_Right	21.11	/	/	22.51	/	/	<=30	Pass
CP-OFDM QPSK	3750	Edge_1RB_Left	21.57	/	/	22.97	/	/	<=30	Pass
		Edge_1RB_Right	21.93	/	/	23.33	/	/	<=30	Pass
		Outer_Full	22.60	/	/	24.00	/	/	<=30	Pass
		Inner_Full	24.15	/	/	25.55	/	/	<=30	Pass
		Inner_1RB_Left	23.45	/	/	24.85	/	/	<=30	Pass
		Inner_1RB_Right	23.83	/	/	25.23	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.81	/	/	23.21	/	/	<=30	Pass
		Edge_1RB_Right	22.03	/	/	23.43	/	/	<=30	Pass

		Outer_Full	22.68	/	/	24.08	/	/	<=30	Pass
		Inner_Full	24.17	/	/	25.57	/	/	<=30	Pass
		Inner_1RB_Left	23.72	/	/	25.12	/	/	<=30	Pass
		Inner_1RB_Right	24.04	/	/	25.44	/	/	<=30	Pass
	3930	Edge_1RB_Left	21.98	/	/	23.38	/	/	<=30	Pass
		Edge_1RB_Right	22.07	/	/	23.47	/	/	<=30	Pass
		Outer_Full	22.71	/	/	24.11	/	/	<=30	Pass
		Inner_Full	24.20	/	/	25.60	/	/	<=30	Pass
		Inner_1RB_Left	23.85	/	/	25.25	/	/	<=30	Pass
		Inner_1RB_Right	24.02	/	/	25.42	/	/	<=30	Pass
CP-OFDM 16 QAM	3750	Edge_1RB_Left	21.53	/	/	22.93	/	/	<=30	Pass
		Edge_1RB_Right	21.96	/	/	23.36	/	/	<=30	Pass
		Outer_Full	22.58	/	/	23.98	/	/	<=30	Pass
		Inner_Full	23.71	/	/	25.11	/	/	<=30	Pass
		Inner_1RB_Left	23.03	/	/	24.43	/	/	<=30	Pass
		Inner_1RB_Right	23.37	/	/	24.77	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.77	/	/	23.17	/	/	<=30	Pass
		Edge_1RB_Right	22.05	/	/	23.45	/	/	<=30	Pass
		Outer_Full	22.63	/	/	24.03	/	/	<=30	Pass
		Inner_Full	23.72	/	/	25.12	/	/	<=30	Pass
		Inner_1RB_Left	23.22	/	/	24.62	/	/	<=30	Pass
		Inner_1RB_Right	23.49	/	/	24.89	/	/	<=30	Pass
	3930	Edge_1RB_Left	21.96	/	/	23.36	/	/	<=30	Pass
		Edge_1RB_Right	21.97	/	/	23.37	/	/	<=30	Pass
		Outer_Full	22.69	/	/	24.09	/	/	<=30	Pass
		Inner_Full	23.70	/	/	25.10	/	/	<=30	Pass
		Inner_1RB_Left	23.33	/	/	24.73	/	/	<=30	Pass
		Inner_1RB_Right	23.44	/	/	24.84	/	/	<=30	Pass
CP-OFDM 64 QAM	3750	Edge_1RB_Left	21.37	/	/	22.77	/	/	<=30	Pass
		Edge_1RB_Right	21.72	/	/	23.12	/	/	<=30	Pass
		Outer_Full	22.04	/	/	23.44	/	/	<=30	Pass
		Inner_Full	22.23	/	/	23.63	/	/	<=30	Pass
		Inner_1RB_Left	21.39	/	/	22.79	/	/	<=30	Pass
		Inner_1RB_Right	21.79	/	/	23.19	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.57	/	/	22.97	/	/	<=30	Pass
		Edge_1RB_Right	21.85	/	/	23.25	/	/	<=30	Pass
		Outer_Full	22.16	/	/	23.56	/	/	<=30	Pass
		Inner_Full	22.28	/	/	23.68	/	/	<=30	Pass
		Inner_1RB_Left	21.58	/	/	22.98	/	/	<=30	Pass
		Inner_1RB_Right	21.90	/	/	23.30	/	/	<=30	Pass
	3930	Edge_1RB_Left	21.74	/	/	23.14	/	/	<=30	Pass
		Edge_1RB_Right	21.86	/	/	23.26	/	/	<=30	Pass
		Outer_Full	22.21	/	/	23.61	/	/	<=30	Pass
		Inner_Full	22.25	/	/	23.65	/	/	<=30	Pass
		Inner_1RB_Left	21.72	/	/	23.12	/	/	<=30	Pass
		Inner_1RB_Right	21.92	/	/	23.32	/	/	<=30	Pass
CP-OFDM 256 QAM	3750	Edge_1RB_Left	18.81	/	/	20.21	/	/	<=30	Pass
		Edge_1RB_Right	19.31	/	/	20.71	/	/	<=30	Pass
		Outer_Full	19.17	/	/	20.57	/	/	<=30	Pass
		Inner_Full	19.29	/	/	20.69	/	/	<=30	Pass
		Inner_1RB_Left	18.87	/	/	20.27	/	/	<=30	Pass
		Inner_1RB_Right	19.24	/	/	20.64	/	/	<=30	Pass
	3840	Edge_1RB_Left	18.99	/	/	20.39	/	/	<=30	Pass
		Edge_1RB_Right	19.21	/	/	20.61	/	/	<=30	Pass
		Outer_Full	19.25	/	/	20.65	/	/	<=30	Pass
		Inner_Full	19.37	/	/	20.77	/	/	<=30	Pass
		Inner_1RB_Left	18.98	/	/	20.38	/	/	<=30	Pass
		Inner_1RB_Right	19.25	/	/	20.65	/	/	<=30	Pass
	3930	Edge_1RB_Left	19.16	/	/	20.56	/	/	<=30	Pass

		Edge 1RB Right	19.32	/	/	20.72	/	/	<=30	Pass
		Outer Full	19.27	/	/	20.67	/	/	<=30	Pass
		Inner Full	19.32	/	/	20.72	/	/	<=30	Pass
		Inner 1RB Left	19.12	/	/	20.52	/	/	<=30	Pass
		Inner 1RB Right	19.30	/	/	20.70	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: 1.40dBi; 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	-7.00	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-8.20	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-11.10	-0.0029	>=-2.5 & <=2.5	Pass
			-10	NV	-9.30	-0.0024	>=-2.5 & <=2.5	Pass
			0	NV	-7.90	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-9.40	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-8.80	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	-6.00	-0.0016	>=-2.5 & <=2.5	Pass
			40	NV	-10.80	-0.0028	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
				HV	-10.80	-0.0028	>=-2.5 & <=2.5	Pass
			-30	NV	-11.60	-0.0030	>=-2.5 & <=2.5	Pass
			-20	NV	-12.40	-0.0032	>=-2.5 & <=2.5	Pass
			-10	NV	-5.90	-0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-8.60	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	-10.10	-0.0026	>=-2.5 & <=2.5	Pass
			20	NV	-7.50	-0.0020	>=-2.5 & <=2.5	Pass
			30	NV	-6.30	-0.0016	>=-2.5 & <=2.5	Pass
			40	NV	-8.90	-0.0023	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 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	-6.60	-0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	-9.00	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	-7.10	-0.0018	>=-2.5 & <=2.5	Pass
			0	NV	-7.30	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-11.70	-0.0030	>=-2.5 & <=2.5	Pass
			20	NV	-9.10	-0.0024	>=-2.5 & <=2.5	Pass
			30	NV	-10.90	-0.0028	>=-2.5 & <=2.5	Pass
			40	NV	-9.60	-0.0025	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	-7.10	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-4.40	-0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	-8.30	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-11.80	-0.0031	>=-2.5 & <=2.5	Pass
			-10	NV	-5.90	-0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-6.80	-0.0018	>=-2.5 & <=2.5	Pass

			10	NV	-4.80	-0.0013	$>=-2.5 \ \& \ <=2.5$	Pass
			20	NV	-10.50	-0.0027	$>=-2.5 \ \& \ <=2.5$	Pass
			30	NV	2.40	0.0006	$>=-2.5 \ \& \ <=2.5$	Pass
			40	NV	-9.20	-0.0024	$>=-2.5 \ \& \ <=2.5$	Pass
			50	NV	-9.10	-0.0024	$>=-2.5 \ \& \ <=2.5$	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	-15.90	-0.0041	$>=-2.5 \ \& \ <=2.5$	Pass
				HV	-6.20	-0.0016	$>=-2.5 \ \& \ <=2.5$	Pass
			-30	NV	-4.90	-0.0013	$>=-2.5 \ \& \ <=2.5$	Pass
			-20	NV	-4.60	-0.0012	$>=-2.5 \ \& \ <=2.5$	Pass
			-10	NV	-2.80	-0.0007	$>=-2.5 \ \& \ <=2.5$	Pass
			0	NV	-10.50	-0.0027	$>=-2.5 \ \& \ <=2.5$	Pass
			10	NV	-9.00	-0.0023	$>=-2.5 \ \& \ <=2.5$	Pass
			20	NV	-9.80	-0.0026	$>=-2.5 \ \& \ <=2.5$	Pass
			30	NV	-7.40	-0.0019	$>=-2.5 \ \& \ <=2.5$	Pass
			40	NV	-6.80	-0.0018	$>=-2.5 \ \& \ <=2.5$	Pass
			50	NV	-7.50	-0.0020	$>=-2.5 \ \& \ <=2.5$	Pass
CP-OFDM QPSK	3840	Outer_Full	20	LV	-8.20	-0.0021	$>=-2.5 \ \& \ <=2.5$	Pass
				HV	-8.20	-0.0021	$>=-2.5 \ \& \ <=2.5$	Pass
			-30	NV	-8.20	-0.0021	$>=-2.5 \ \& \ <=2.5$	Pass
			-20	NV	-9.90	-0.0026	$>=-2.5 \ \& \ <=2.5$	Pass
			-10	NV	-10.60	-0.0028	$>=-2.5 \ \& \ <=2.5$	Pass
			0	NV	-9.50	-0.0025	$>=-2.5 \ \& \ <=2.5$	Pass
			10	NV	-9.40	-0.0024	$>=-2.5 \ \& \ <=2.5$	Pass
			20	NV	-10.50	-0.0027	$>=-2.5 \ \& \ <=2.5$	Pass
			30	NV	-9.40	-0.0024	$>=-2.5 \ \& \ <=2.5$	Pass
			40	NV	-9.50	-0.0025	$>=-2.5 \ \& \ <=2.5$	Pass
			50	NV	-5.90	-0.0015	$>=-2.5 \ \& \ <=2.5$	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	-10.40	-0.0027	$>=-2.5 \ \& \ <=2.5$	Pass
				HV	-11.60	-0.0030	$>=-2.5 \ \& \ <=2.5$	Pass
			-30	NV	-11.10	-0.0029	$>=-2.5 \ \& \ <=2.5$	Pass
			-20	NV	-7.50	-0.0020	$>=-2.5 \ \& \ <=2.5$	Pass
			-10	NV	-10.90	-0.0028	$>=-2.5 \ \& \ <=2.5$	Pass
			0	NV	-9.50	-0.0025	$>=-2.5 \ \& \ <=2.5$	Pass
			10	NV	-5.30	-0.0014	$>=-2.5 \ \& \ <=2.5$	Pass
			20	NV	-9.50	-0.0025	$>=-2.5 \ \& \ <=2.5$	Pass
			30	NV	-9.10	-0.0024	$>=-2.5 \ \& \ <=2.5$	Pass
			40	NV	-8.10	-0.0021	$>=-2.5 \ \& \ <=2.5$	Pass
			50	NV	-9.90	-0.0026	$>=-2.5 \ \& \ <=2.5$	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	-9.50	-0.0025	$>=-2.5 \ \& \ <=2.5$	Pass
				HV	-12.00	-0.0031	$>=-2.5 \ \& \ <=2.5$	Pass
			-30	NV	-10.10	-0.0026	$>=-2.5 \ \& \ <=2.5$	Pass
			-20	NV	-7.30	-0.0019	$>=-2.5 \ \& \ <=2.5$	Pass
			-10	NV	-10.60	-0.0028	$>=-2.5 \ \& \ <=2.5$	Pass
			0	NV	-9.80	-0.0026	$>=-2.5 \ \& \ <=2.5$	Pass
			10	NV	-7.10	-0.0018	$>=-2.5 \ \& \ <=2.5$	Pass
			20	NV	-10.60	-0.0028	$>=-2.5 \ \& \ <=2.5$	Pass
			30	NV	-9.10	-0.0024	$>=-2.5 \ \& \ <=2.5$	Pass
			40	NV	-11.10	-0.0029	$>=-2.5 \ \& \ <=2.5$	Pass
			50	NV	-10.50	-0.0027	$>=-2.5 \ \& \ <=2.5$	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	LV	-7.10	-0.0018	$>=-2.5 \ \& \ <=2.5$	Pass
				HV	-10.00	-0.0026	$>=-2.5 \ \& \ <=2.5$	Pass
			-30	NV	-11.80	-0.0031	$>=-2.5 \ \& \ <=2.5$	Pass
			-20	NV	-9.90	-0.0026	$>=-2.5 \ \& \ <=2.5$	Pass
			-10	NV	-9.70	-0.0025	$>=-2.5 \ \& \ <=2.5$	Pass
			0	NV	-8.10	-0.0021	$>=-2.5 \ \& \ <=2.5$	Pass
			10	NV	-8.50	-0.0022	$>=-2.5 \ \& \ <=2.5$	Pass
			20	NV	-8.00	-0.0021	$>=-2.5 \ \& \ <=2.5$	Pass
			30	NV	-9.50	-0.0025	$>=-2.5 \ \& \ <=2.5$	Pass
			40	NV	-5.20	-0.0014	$>=-2.5 \ \& \ <=2.5$	Pass

			50	NV	-8.80	-0.0023	>=-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	-6.30	-0.0016	>=-2.5 & <=2.5	Pass
				HV	-9.60	-0.0025	>=-2.5 & <=2.5	Pass
			-30	NV	-9.90	-0.0026	>=-2.5 & <=2.5	Pass
			-20	NV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	-7.30	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-11.20	-0.0029	>=-2.5 & <=2.5	Pass
			10	NV	-13.40	-0.0035	>=-2.5 & <=2.5	Pass
			20	NV	-7.90	-0.0021	>=-2.5 & <=2.5	Pass
			30	NV	-11.60	-0.0030	>=-2.5 & <=2.5	Pass
			40	NV	-6.10	-0.0016	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	-9.30	-0.0024	>=-2.5 & <=2.5	Pass
				HV	-14.90	-0.0039	>=-2.5 & <=2.5	Pass
			-30	NV	-12.10	-0.0032	>=-2.5 & <=2.5	Pass
			-20	NV	-12.60	-0.0033	>=-2.5 & <=2.5	Pass
			-10	NV	-8.80	-0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-11.20	-0.0029	>=-2.5 & <=2.5	Pass
			10	NV	-12.70	-0.0033	>=-2.5 & <=2.5	Pass
			20	NV	-8.90	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	-9.30	-0.0024	>=-2.5 & <=2.5	Pass
			40	NV	-10.30	-0.0027	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-8.80	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-6.20	-0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	8.10	0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-2.90	-0.0008	>=-2.5 & <=2.5	Pass
			-10	NV	-6.00	-0.0016	>=-2.5 & <=2.5	Pass
			0	NV	-10.70	-0.0028	>=-2.5 & <=2.5	Pass
			10	NV	-6.80	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-8.00	-0.0021	>=-2.5 & <=2.5	Pass
			30	NV	-6.50	-0.0017	>=-2.5 & <=2.5	Pass
			40	NV	-5.40	-0.0014	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	-9.00	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-10.60	-0.0028	>=-2.5 & <=2.5	Pass
			-30	NV	-11.60	-0.0030	>=-2.5 & <=2.5	Pass
			-20	NV	-8.20	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	-6.50	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-3.00	-0.0008	>=-2.5 & <=2.5	Pass
			10	NV	-9.00	-0.0023	>=-2.5 & <=2.5	Pass
			20	NV	-11.60	-0.0030	>=-2.5 & <=2.5	Pass
			30	NV	-8.00	-0.0021	>=-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	LV	-8.50	-0.0022	>=-2.5 & <=2.5	Pass
				HV	-7.10	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-11.80	-0.0031	>=-2.5 & <=2.5	Pass
			-20	NV	-8.80	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	-8.60	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-6.70	-0.0017	>=-2.5 & <=2.5	Pass

			10	NV	-5.00	-0.0013	>=-2.5 & <=2.5	Pass
			20	NV	-8.90	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-7.90	-0.0021	>=-2.5 & <=2.5	Pass
			50	NV	-6.80	-0.0018	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3840	Outer_Full	20	LV	-7.80	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-11.80	-0.0031	>=-2.5 & <=2.5	Pass
			-30	NV	-8.60	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-11.00	-0.0029	>=-2.5 & <=2.5	Pass
			-10	NV	-8.60	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-14.00	-0.0036	>=-2.5 & <=2.5	Pass
			10	NV	-8.60	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-8.20	-0.0021	>=-2.5 & <=2.5	Pass
			30	NV	-8.50	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	-6.20	-0.0016	>=-2.5 & <=2.5	Pass
			50	NV	-6.30	-0.0016	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	-8.60	-0.0022	>=-2.5 & <=2.5	Pass
				HV	-14.20	-0.0037	>=-2.5 & <=2.5	Pass
			-30	NV	-9.80	-0.0026	>=-2.5 & <=2.5	Pass
			-20	NV	-9.80	-0.0026	>=-2.5 & <=2.5	Pass
			-10	NV	-9.60	-0.0025	>=-2.5 & <=2.5	Pass
			0	NV	-10.40	-0.0027	>=-2.5 & <=2.5	Pass
			10	NV	-9.20	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-11.20	-0.0029	>=-2.5 & <=2.5	Pass
			30	NV	-10.30	-0.0027	>=-2.5 & <=2.5	Pass
			40	NV	-10.90	-0.0028	>=-2.5 & <=2.5	Pass
			50	NV	-8.60	-0.0022	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	-10.70	-0.0028	>=-2.5 & <=2.5	Pass
				HV	-7.70	-0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	-9.30	-0.0024	>=-2.5 & <=2.5	Pass
			-20	NV	-8.30	-0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	-11.70	-0.0030	>=-2.5 & <=2.5	Pass
			0	NV	-6.80	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-11.50	-0.0030	>=-2.5 & <=2.5	Pass
			20	NV	-6.80	-0.0018	>=-2.5 & <=2.5	Pass
			30	NV	-12.70	-0.0033	>=-2.5 & <=2.5	Pass
			40	NV	-7.40	-0.0019	>=-2.5 & <=2.5	Pass
			50	NV	-8.40	-0.0022	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	LV	-5.90	-0.0015	>=-2.5 & <=2.5	Pass
				HV	-6.10	-0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	-10.00	-0.0026	>=-2.5 & <=2.5	Pass
			-20	NV	-6.90	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-7.80	-0.0020	>=-2.5 & <=2.5	Pass
			0	NV	-8.00	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-9.30	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-10.60	-0.0028	>=-2.5 & <=2.5	Pass
			30	NV	-7.60	-0.0020	>=-2.5 & <=2.5	Pass
			40	NV	-9.40	-0.0024	>=-2.5 & <=2.5	Pass
			50	NV	-10.90	-0.0028	>=-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	-12.60	-0.0033	>=-2.5 & <=2.5	Pass
				HV	-8.70	-0.0023	>=-2.5 & <=2.5	Pass

			-30	NV	-4.70	-0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	-11.40	-0.0030	>=-2.5 & <=2.5	Pass
			-10	NV	-10.30	-0.0027	>=-2.5 & <=2.5	Pass
			0	NV	-10.60	-0.0028	>=-2.5 & <=2.5	Pass
			10	NV	-7.60	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-6.70	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-12.80	-0.0033	>=-2.5 & <=2.5	Pass
			40	NV	-8.70	-0.0023	>=-2.5 & <=2.5	Pass
			50	NV	-9.00	-0.0023	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	-8.90	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-6.90	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-8.60	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-13.80	-0.0036	>=-2.5 & <=2.5	Pass
			-10	NV	-9.60	-0.0025	>=-2.5 & <=2.5	Pass
			0	NV	-14.40	-0.0038	>=-2.5 & <=2.5	Pass
			10	NV	-8.00	-0.0021	>=-2.5 & <=2.5	Pass
			20	NV	-9.50	-0.0025	>=-2.5 & <=2.5	Pass
			30	NV	-7.50	-0.0020	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-8.40	-0.0022	>=-2.5 & <=2.5	Pass
				HV	-6.40	-0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	-11.80	-0.0031	>=-2.5 & <=2.5	Pass
			-20	NV	-9.60	-0.0025	>=-2.5 & <=2.5	Pass
			-10	NV	-9.60	-0.0025	>=-2.5 & <=2.5	Pass
			0	NV	-4.90	-0.0013	>=-2.5 & <=2.5	Pass
			10	NV	-10.50	-0.0027	>=-2.5 & <=2.5	Pass
			20	NV	-13.00	-0.0034	>=-2.5 & <=2.5	Pass
			30	NV	-9.40	-0.0024	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	-6.90	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-7.90	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-11.60	-0.0030	>=-2.5 & <=2.5	Pass
			-20	NV	-9.10	-0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	-11.80	-0.0031	>=-2.5 & <=2.5	Pass
			0	NV	-5.30	-0.0014	>=-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	-9.20	-0.0024	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	-6.30	-0.0016	>=-2.5 & <=2.5	Pass
				HV	-7.90	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-5.30	-0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-7.30	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-8.00	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-5.40	-0.0014	>=-2.5 & <=2.5	Pass
			10	NV	-9.90	-0.0026	>=-2.5 & <=2.5	Pass
			20	NV	-8.70	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	-13.10	-0.0034	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3840	Outer_Full	20	LV	-6.60	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-8.50	-0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	-7.50	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-8.50	-0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	-11.70	-0.0030	>=-2.5 & <=2.5	Pass
			0	NV	-7.10	-0.0018	>=-2.5 & <=2.5	Pass

			10	NV	-9.70	-0.0025	>=-2.5 & <=2.5	Pass
			20	NV	-13.20	-0.0034	>=-2.5 & <=2.5	Pass
			30	NV	-8.70	-0.0023	>=-2.5 & <=2.5	Pass
			40	NV	-7.20	-0.0019	>=-2.5 & <=2.5	Pass
			50	NV	-10.80	-0.0028	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	-10.80	-0.0028	>=-2.5 & <=2.5	Pass
				HV	-14.80	-0.0039	>=-2.5 & <=2.5	Pass
			-30	NV	-7.40	-0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	-8.60	-0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	-10.70	-0.0028	>=-2.5 & <=2.5	Pass
			0	NV	-12.90	-0.0034	>=-2.5 & <=2.5	Pass
			10	NV	-5.90	-0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-8.10	-0.0021	>=-2.5 & <=2.5	Pass
			30	NV	-7.50	-0.0020	>=-2.5 & <=2.5	Pass
			40	NV	-9.30	-0.0024	>=-2.5 & <=2.5	Pass
			50	NV	-8.30	-0.0022	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	-12.10	-0.0032	>=-2.5 & <=2.5	Pass
				HV	-8.30	-0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	-8.20	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-8.50	-0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	-9.30	-0.0024	>=-2.5 & <=2.5	Pass
			0	NV	-11.80	-0.0031	>=-2.5 & <=2.5	Pass
			10	NV	-13.50	-0.0035	>=-2.5 & <=2.5	Pass
			20	NV	-6.20	-0.0016	>=-2.5 & <=2.5	Pass
			30	NV	-9.10	-0.0024	>=-2.5 & <=2.5	Pass
			40	NV	-10.90	-0.0028	>=-2.5 & <=2.5	Pass
			50	NV	-13.20	-0.0034	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	LV	-10.30	-0.0027	>=-2.5 & <=2.5	Pass
				HV	-9.00	-0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	-5.10	-0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	-6.30	-0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	-9.90	-0.0026	>=-2.5 & <=2.5	Pass
			0	NV	-11.80	-0.0031	>=-2.5 & <=2.5	Pass
			10	NV	-9.60	-0.0025	>=-2.5 & <=2.5	Pass
			20	NV	-9.40	-0.0024	>=-2.5 & <=2.5	Pass
			30	NV	-12.20	-0.0032	>=-2.5 & <=2.5	Pass
			40	NV	-10.30	-0.0027	>=-2.5 & <=2.5	Pass
			50	NV	-12.10	-0.0032	>=-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	-12.80	-0.0033	>=-2.5 & <=2.5	Pass
			-30	NV	-8.40	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-8.60	-0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	-8.10	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-10.60	-0.0028	>=-2.5 & <=2.5	Pass
			10	NV	-6.20	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-13.80	-0.0036	>=-2.5 & <=2.5	Pass
			30	NV	-7.10	-0.0018	>=-2.5 & <=2.5	Pass
			40	NV	-9.10	-0.0024	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	50	NV	3.60	0.0009	>=-2.5 & <=2.5	Pass
			20	LV	-12.60	-0.0033	>=-2.5 & <=2.5	Pass
				HV	-1.40	-0.0004	>=-2.5 & <=2.5	Pass

			-30	NV	-11.60	-0.0030	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-20	NV	-8.70	-0.0023	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-10	NV	-7.10	-0.0018	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			0	NV	-10.00	-0.0026	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			10	NV	-5.30	-0.0014	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			20	NV	-6.00	-0.0016	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			30	NV	-5.70	-0.0015	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			40	NV	-6.30	-0.0016	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			50	NV	-5.70	-0.0015	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-10.20	-0.0027	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
				HV	-8.40	-0.0022	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-30	NV	-9.50	-0.0025	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-20	NV	-10.00	-0.0026	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-10	NV	-5.00	-0.0013	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			0	NV	-14.00	-0.0036	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			10	NV	-8.30	-0.0022	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			20	NV	-4.90	-0.0013	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			30	NV	-5.80	-0.0015	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	-6.80	-0.0018	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
				HV	-3.90	-0.0010	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-30	NV	-9.10	-0.0024	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-20	NV	-5.60	-0.0015	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-10	NV	-9.90	-0.0026	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			0	NV	-8.80	-0.0023	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			10	NV	-9.90	-0.0026	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			20	NV	-10.00	-0.0026	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			30	NV	-9.00	-0.0023	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	-7.70	-0.0020	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
				HV	-11.90	-0.0031	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-30	NV	-6.10	-0.0016	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-20	NV	-1.30	-0.0003	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-10	NV	-7.00	-0.0018	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			0	NV	-8.40	-0.0022	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			10	NV	-4.90	-0.0013	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			20	NV	-9.70	-0.0025	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			30	NV	-6.40	-0.0017	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
CP-OFDM QPSK	3840	Outer_Full	20	LV	-8.90	-0.0023	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
				HV	-8.20	-0.0021	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-30	NV	-12.40	-0.0032	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-20	NV	-9.80	-0.0026	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-10	NV	-8.30	-0.0022	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			0	NV	-16.90	-0.0044	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			10	NV	-7.50	-0.0020	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			20	NV	-7.60	-0.0020	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			30	NV	-12.70	-0.0033	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	-7.00	-0.0018	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
				HV	-10.40	-0.0027	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-30	NV	-11.40	-0.0030	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-20	NV	-10.60	-0.0028	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-10	NV	-9.40	-0.0024	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			0	NV	-9.40	-0.0024	$\geq -2.5 \text{ \& } \leq 2.5$	Pass

			10	NV	-12.60	-0.0033	>=-2.5 & <=2.5	Pass
			20	NV	-13.30	-0.0035	>=-2.5 & <=2.5	Pass
			30	NV	-11.80	-0.0031	>=-2.5 & <=2.5	Pass
			40	NV	-8.90	-0.0023	>=-2.5 & <=2.5	Pass
			50	NV	-11.60	-0.0030	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	-8.00	-0.0021	>=-2.5 & <=2.5	Pass
				HV	-10.70	-0.0028	>=-2.5 & <=2.5	Pass
			-30	NV	-11.50	-0.0030	>=-2.5 & <=2.5	Pass
			-20	NV	-11.00	-0.0029	>=-2.5 & <=2.5	Pass
			-10	NV	-11.30	-0.0029	>=-2.5 & <=2.5	Pass
			0	NV	-8.10	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-8.30	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-7.50	-0.0020	>=-2.5 & <=2.5	Pass
			30	NV	-9.60	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
			50	NV	-10.90	-0.0028	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	LV	-10.90	-0.0028	>=-2.5 & <=2.5	Pass
				HV	-8.30	-0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	-8.90	-0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	-6.70	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-7.80	-0.0020	>=-2.5 & <=2.5	Pass
			0	NV	-8.70	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-8.00	-0.0021	>=-2.5 & <=2.5	Pass
			20	NV	-10.40	-0.0027	>=-2.5 & <=2.5	Pass
			30	NV	-8.00	-0.0021	>=-2.5 & <=2.5	Pass
			40	NV	-11.10	-0.0029	>=-2.5 & <=2.5	Pass
			50	NV	-7.70	-0.0020	>=-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	-6.30	-0.0016	>=-2.5 & <=2.5	Pass
				HV	-6.50	-0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	-7.50	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	-10.30	-0.0027	>=-2.5 & <=2.5	Pass
			0	NV	-4.00	-0.0010	>=-2.5 & <=2.5	Pass
			10	NV	-9.80	-0.0026	>=-2.5 & <=2.5	Pass
			20	NV	-7.10	-0.0018	>=-2.5 & <=2.5	Pass
			30	NV	-7.80	-0.0020	>=-2.5 & <=2.5	Pass
			40	NV	-6.50	-0.0017	>=-2.5 & <=2.5	Pass
			50	NV	-8.90	-0.0023	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	-9.10	-0.0024	>=-2.5 & <=2.5	Pass
				HV	-10.60	-0.0028	>=-2.5 & <=2.5	Pass
			-30	NV	-6.90	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-7.00	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-7.40	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-10.70	-0.0028	>=-2.5 & <=2.5	Pass
			10	NV	-8.50	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-10.70	-0.0028	>=-2.5 & <=2.5	Pass
			30	NV	-11.00	-0.0029	>=-2.5 & <=2.5	Pass
			40	NV	-5.40	-0.0014	>=-2.5 & <=2.5	Pass
			50	NV	-9.30	-0.0024	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-8.30	-0.0022	>=-2.5 & <=2.5	Pass
				HV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass

			-30	NV	-8.70	-0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	-8.80	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	-7.70	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-9.20	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-4.70	-0.0012	>=-2.5 & <=2.5	Pass
			30	NV	-8.00	-0.0021	>=-2.5 & <=2.5	Pass
			40	NV	-6.30	-0.0016	>=-2.5 & <=2.5	Pass
			50	NV	-11.00	-0.0029	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	-6.00	-0.0016	>=-2.5 & <=2.5	Pass
				HV	-8.20	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-7.10	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-7.70	-0.0020	>=-2.5 & <=2.5	Pass
			-10	NV	-7.70	-0.0020	>=-2.5 & <=2.5	Pass
			0	NV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
			10	NV	-13.10	-0.0034	>=-2.5 & <=2.5	Pass
			20	NV	-10.00	-0.0026	>=-2.5 & <=2.5	Pass
			30	NV	-8.40	-0.0022	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	-5.80	-0.0015	>=-2.5 & <=2.5	Pass
				HV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-7.90	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	-9.50	-0.0025	>=-2.5 & <=2.5	Pass
			0	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
			10	NV	-9.10	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-9.70	-0.0025	>=-2.5 & <=2.5	Pass
			30	NV	-7.00	-0.0018	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3840	Outer_Full	20	LV	-10.40	-0.0027	>=-2.5 & <=2.5	Pass
				HV	-11.80	-0.0031	>=-2.5 & <=2.5	Pass
			-30	NV	-7.30	-0.0019	>=-2.5 & <=2.5	Pass
			-20	NV	-7.20	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-5.00	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	-8.50	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	-13.70	-0.0036	>=-2.5 & <=2.5	Pass
			20	NV	-9.00	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	-9.20	-0.0024	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	-8.40	-0.0022	>=-2.5 & <=2.5	Pass
				HV	-6.90	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-7.60	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-7.80	-0.0020	>=-2.5 & <=2.5	Pass
			-10	NV	-7.60	-0.0020	>=-2.5 & <=2.5	Pass
			0	NV	-6.90	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-15.40	-0.0040	>=-2.5 & <=2.5	Pass
			20	NV	-8.50	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-11.10	-0.0029	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	-7.00	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-10.80	-0.0028	>=-2.5 & <=2.5	Pass
			-30	NV	-9.70	-0.0025	>=-2.5 & <=2.5	Pass
			-20	NV	-11.10	-0.0029	>=-2.5 & <=2.5	Pass
			-10	NV	-11.20	-0.0029	>=-2.5 & <=2.5	Pass
			0	NV	-9.50	-0.0025	>=-2.5 & <=2.5	Pass

			10	NV	-11.80	-0.0031	>=-2.5 & <=2.5	Pass
			20	NV	-14.60	-0.0038	>=-2.5 & <=2.5	Pass
			30	NV	-4.30	-0.0011	>=-2.5 & <=2.5	Pass
			40	NV	-11.40	-0.0030	>=-2.5 & <=2.5	Pass
			50	NV	-6.00	-0.0016	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	LV	-6.50	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-7.10	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-11.50	-0.0030	>=-2.5 & <=2.5	Pass
			-20	NV	-9.30	-0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	-8.00	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
			10	NV	-7.80	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-8.40	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-5.70	-0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-10.60	-0.0028	>=-2.5 & <=2.5	Pass
			50	NV	-9.40	-0.0024	>=-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	-3.90	-0.0010	>=-2.5 & <=2.5	Pass
				HV	-5.90	-0.0015	>=-2.5 & <=2.5	Pass
			-30	NV	-6.40	-0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	-8.40	-0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	-8.50	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-9.20	-0.0024	>=-2.5 & <=2.5	Pass
			10	NV	-8.70	-0.0023	>=-2.5 & <=2.5	Pass
			20	NV	-7.30	-0.0019	>=-2.5 & <=2.5	Pass
			30	NV	-10.10	-0.0026	>=-2.5 & <=2.5	Pass
			40	NV	-11.60	-0.0030	>=-2.5 & <=2.5	Pass
			50	NV	-6.40	-0.0017	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	-5.30	-0.0014	>=-2.5 & <=2.5	Pass
				HV	-6.40	-0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	-6.10	-0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	-12.20	-0.0032	>=-2.5 & <=2.5	Pass
			-10	NV	4.00	0.0010	>=-2.5 & <=2.5	Pass
			0	NV	-8.30	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	-6.20	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-11.40	-0.0030	>=-2.5 & <=2.5	Pass
			30	NV	-8.80	-0.0023	>=-2.5 & <=2.5	Pass
			40	NV	-6.30	-0.0016	>=-2.5 & <=2.5	Pass
			50	NV	-10.10	-0.0026	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-6.90	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-6.90	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-5.50	-0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-10.80	-0.0028	>=-2.5 & <=2.5	Pass
			-10	NV	-7.30	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-7.20	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-9.30	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-6.10	-0.0016	>=-2.5 & <=2.5	Pass
			30	NV	-7.30	-0.0019	>=-2.5 & <=2.5	Pass
			40	NV	-8.10	-0.0021	>=-2.5 & <=2.5	Pass
			50	NV	-15.30	-0.0040	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	-7.90	-0.0021	>=-2.5 & <=2.5	Pass
				HV	-2.00	-0.0005	>=-2.5 & <=2.5	Pass

			-30	NV	-1.60	-0.0004	>=-2.5 & <=2.5	Pass
			-20	NV	-6.10	-0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	-6.20	-0.0016	>=-2.5 & <=2.5	Pass
			0	NV	-8.50	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	-8.10	-0.0021	>=-2.5 & <=2.5	Pass
			20	NV	-6.70	-0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-4.60	-0.0012	>=-2.5 & <=2.5	Pass
			40	NV	-10.30	-0.0027	>=-2.5 & <=2.5	Pass
			50	NV	-13.00	-0.0034	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	-10.90	-0.0028	>=-2.5 & <=2.5	Pass
				HV	-7.60	-0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	-7.10	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-12.30	-0.0032	>=-2.5 & <=2.5	Pass
			-10	NV	-4.90	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	-8.80	-0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-10.80	-0.0028	>=-2.5 & <=2.5	Pass
			20	NV	-7.60	-0.0020	>=-2.5 & <=2.5	Pass
			30	NV	-8.20	-0.0021	>=-2.5 & <=2.5	Pass
			40	NV	-8.30	-0.0022	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3840	Outer_Full	20	LV	-9.50	-0.0025	>=-2.5 & <=2.5	Pass
				HV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	-12.90	-0.0034	>=-2.5 & <=2.5	Pass
			-20	NV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	-7.50	-0.0020	>=-2.5 & <=2.5	Pass
			0	NV	-9.20	-0.0024	>=-2.5 & <=2.5	Pass
			10	NV	-12.80	-0.0033	>=-2.5 & <=2.5	Pass
			20	NV	-7.10	-0.0018	>=-2.5 & <=2.5	Pass
			30	NV	-6.40	-0.0017	>=-2.5 & <=2.5	Pass
			40	NV	-6.90	-0.0018	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	-10.30	-0.0027	>=-2.5 & <=2.5	Pass
				HV	-7.60	-0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	-9.60	-0.0025	>=-2.5 & <=2.5	Pass
			-20	NV	-11.90	-0.0031	>=-2.5 & <=2.5	Pass
			-10	NV	-8.90	-0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-10.60	-0.0028	>=-2.5 & <=2.5	Pass
			10	NV	-5.00	-0.0013	>=-2.5 & <=2.5	Pass
			20	NV	-7.70	-0.0020	>=-2.5 & <=2.5	Pass
			30	NV	-11.70	-0.0030	>=-2.5 & <=2.5	Pass
			40	NV	-9.10	-0.0024	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	-7.90	-0.0021	>=-2.5 & <=2.5	Pass
				HV	-10.10	-0.0026	>=-2.5 & <=2.5	Pass
			-30	NV	-7.90	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-10.10	-0.0026	>=-2.5 & <=2.5	Pass
			-10	NV	-10.20	-0.0027	>=-2.5 & <=2.5	Pass
			0	NV	-10.10	-0.0026	>=-2.5 & <=2.5	Pass
			10	NV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass
			20	NV	-8.50	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-5.80	-0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-5.80	-0.0015	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	LV	-8.60	-0.0022	>=-2.5 & <=2.5	Pass
				HV	-8.10	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-8.90	-0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	-6.50	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-6.50	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	-9.40	-0.0024	>=-2.5 & <=2.5	Pass

			10	NV	-8.50	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-11.10	-0.0029	>=-2.5 & <=2.5	Pass
			30	NV	-7.00	-0.0018	>=-2.5 & <=2.5	Pass
			40	NV	-5.70	-0.0015	>=-2.5 & <=2.5	Pass
			50	NV	-6.20	-0.0016	>=-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	-4.20	-0.0011	>=-2.5 & <=2.5	Pass
				HV	-7.00	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-6.00	-0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	-10.50	-0.0027	>=-2.5 & <=2.5	Pass
			-10	NV	-8.50	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
			10	NV	-4.70	-0.0012	>=-2.5 & <=2.5	Pass
			20	NV	-7.50	-0.0020	>=-2.5 & <=2.5	Pass
			30	NV	-10.10	-0.0026	>=-2.5 & <=2.5	Pass
			40	NV	-8.40	-0.0022	>=-2.5 & <=2.5	Pass
			50	NV	-10.30	-0.0027	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	-10.30	-0.0027	>=-2.5 & <=2.5	Pass
				HV	-7.60	-0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	-8.00	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-8.60	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-4.60	-0.0012	>=-2.5 & <=2.5	Pass
			10	NV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass
			20	NV	-10.40	-0.0027	>=-2.5 & <=2.5	Pass
			30	NV	-6.10	-0.0016	>=-2.5 & <=2.5	Pass
			40	NV	-8.80	-0.0023	>=-2.5 & <=2.5	Pass
			50	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-6.20	-0.0016	>=-2.5 & <=2.5	Pass
				HV	-7.10	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-3.60	-0.0009	>=-2.5 & <=2.5	Pass
			-10	NV	-10.00	-0.0026	>=-2.5 & <=2.5	Pass
			0	NV	-11.00	-0.0029	>=-2.5 & <=2.5	Pass
			10	NV	-5.30	-0.0014	>=-2.5 & <=2.5	Pass
			20	NV	2.10	0.0005	>=-2.5 & <=2.5	Pass
			30	NV	-9.40	-0.0024	>=-2.5 & <=2.5	Pass
			40	NV	-7.50	-0.0020	>=-2.5 & <=2.5	Pass
			50	NV	-9.10	-0.0024	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	-7.10	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-10.30	-0.0027	>=-2.5 & <=2.5	Pass
			-30	NV	-7.80	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-2.00	-0.0005	>=-2.5 & <=2.5	Pass
			-10	NV	-8.50	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-9.20	-0.0024	>=-2.5 & <=2.5	Pass
			10	NV	-9.30	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-13.40	-0.0035	>=-2.5 & <=2.5	Pass
			30	NV	-10.30	-0.0027	>=-2.5 & <=2.5	Pass
			40	NV	-6.70	-0.0017	>=-2.5 & <=2.5	Pass
			50	NV	-9.30	-0.0024	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	-4.70	-0.0012	>=-2.5 & <=2.5	Pass
				HV	-6.20	-0.0016	>=-2.5 & <=2.5	Pass

			-30	NV	-9.90	-0.0026	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-6.70	-0.0017	≥ -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	-7.50	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-5.10	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-7.00	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-8.40	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-10.00	-0.0026	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	3840	Outer_Full	20	LV	-8.10	-0.0021	≥ -2.5 & ≤ 2.5	Pass
				HV	-6.90	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-6.70	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-7.20	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-13.60	-0.0035	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-10.00	-0.0026	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-8.20	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-7.70	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-10.20	-0.0027	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	-7.30	-0.0019	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.60	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-11.50	-0.0030	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-11.90	-0.0031	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-7.70	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-7.60	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-10.40	-0.0027	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-11.20	-0.0029	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-7.20	-0.0019	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	-7.10	-0.0018	≥ -2.5 & ≤ 2.5	Pass
				HV	-8.70	-0.0023	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-4.90	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-8.00	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-8.60	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-4.90	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-8.60	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.50	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-5.20	-0.0014	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	LV	-6.20	-0.0016	≥ -2.5 & ≤ 2.5	Pass
				HV	-10.70	-0.0028	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-7.40	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-10.60	-0.0028	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.20	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-11.70	-0.0030	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-10.40	-0.0027	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-8.90	-0.0023	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-5.80	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-8.20	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-13.00	-0.0034	≥ -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	-6.30	-0.0016	>=-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	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	-8.60	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-9.10	-0.0024	>=-2.5 & <=2.5	Pass
			10	NV	-10.20	-0.0027	>=-2.5 & <=2.5	Pass
			20	NV	-8.20	-0.0021	>=-2.5 & <=2.5	Pass
			30	NV	-9.70	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-10.60	-0.0028	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	-6.90	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-11.40	-0.0030	>=-2.5 & <=2.5	Pass
			-30	NV	-8.00	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-4.60	-0.0012	>=-2.5 & <=2.5	Pass
			-10	NV	-7.80	-0.0020	>=-2.5 & <=2.5	Pass
			0	NV	-9.20	-0.0024	>=-2.5 & <=2.5	Pass
			10	NV	-9.70	-0.0025	>=-2.5 & <=2.5	Pass
			20	NV	-5.50	-0.0014	>=-2.5 & <=2.5	Pass
			30	NV	-4.30	-0.0011	>=-2.5 & <=2.5	Pass
			40	NV	-5.90	-0.0015	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-8.70	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-6.30	-0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	5.40	0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-5.40	-0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	-7.30	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	2.50	0.0007	>=-2.5 & <=2.5	Pass
			10	NV	-6.80	-0.0018	>=-2.5 & <=2.5	Pass
			20	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
			30	NV	-7.20	-0.0019	>=-2.5 & <=2.5	Pass
			40	NV	-7.60	-0.0020	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	-6.60	-0.0017	>=-2.5 & <=2.5	Pass
				HV	-7.70	-0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	-3.90	-0.0010	>=-2.5 & <=2.5	Pass
			-20	NV	-5.40	-0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	-6.90	-0.0018	>=-2.5 & <=2.5	Pass
			0	NV	-8.60	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	-4.30	-0.0011	>=-2.5 & <=2.5	Pass
			20	NV	-10.10	-0.0026	>=-2.5 & <=2.5	Pass
			30	NV	-7.10	-0.0018	>=-2.5 & <=2.5	Pass
			40	NV	-7.80	-0.0020	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	-8.50	-0.0022	>=-2.5 & <=2.5	Pass
				HV	-9.60	-0.0025	>=-2.5 & <=2.5	Pass
			-30	NV	-8.10	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-8.10	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-4.30	-0.0011	>=-2.5 & <=2.5	Pass
			10	NV	-9.80	-0.0026	>=-2.5 & <=2.5	Pass
			20	NV	-5.00	-0.0013	>=-2.5 & <=2.5	Pass
			30	NV	-6.80	-0.0018	>=-2.5 & <=2.5	Pass
			40	NV	-8.70	-0.0023	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3840	Outer_Full	20	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
				LV	-8.80	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-6.80	-0.0018	>=-2.5 & <=2.5	Pass

			-30	NV	-13.00	-0.0034	>=-2.5 & <=2.5	Pass
			-20	NV	-4.70	-0.0012	>=-2.5 & <=2.5	Pass
			-10	NV	-8.10	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-8.20	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-9.10	-0.0024	>=-2.5 & <=2.5	Pass
			20	NV	-10.30	-0.0027	>=-2.5 & <=2.5	Pass
			30	NV	-6.00	-0.0016	>=-2.5 & <=2.5	Pass
			40	NV	-7.30	-0.0019	>=-2.5 & <=2.5	Pass
			50	NV	-3.60	-0.0009	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	-9.00	-0.0023	>=-2.5 & <=2.5	Pass
				HV	-10.80	-0.0028	>=-2.5 & <=2.5	Pass
			-30	NV	-5.90	-0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	-7.50	-0.0020	>=-2.5 & <=2.5	Pass
			-10	NV	-7.60	-0.0020	>=-2.5 & <=2.5	Pass
			0	NV	-12.50	-0.0033	>=-2.5 & <=2.5	Pass
			10	NV	-10.90	-0.0028	>=-2.5 & <=2.5	Pass
			20	NV	-5.40	-0.0014	>=-2.5 & <=2.5	Pass
			30	NV	-4.60	-0.0012	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	-9.50	-0.0025	>=-2.5 & <=2.5	Pass
				HV	-8.80	-0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	-10.10	-0.0026	>=-2.5 & <=2.5	Pass
			-20	NV	-10.90	-0.0028	>=-2.5 & <=2.5	Pass
			-10	NV	-8.50	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-9.50	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-6.70	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-11.30	-0.0029	>=-2.5 & <=2.5	Pass
			30	NV	-10.90	-0.0028	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	LV	-9.50	-0.0025	>=-2.5 & <=2.5	Pass
				HV	-8.30	-0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	-6.80	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-4.00	-0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	-9.00	-0.0023	>=-2.5 & <=2.5	Pass
			0	NV	-7.40	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-7.30	-0.0019	>=-2.5 & <=2.5	Pass
			20	NV	-8.60	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-10.80	-0.0028	>=-2.5 & <=2.5	Pass
			40	NV	-7.10	-0.0018	>=-2.5 & <=2.5	Pass
			50	NV	-6.50	-0.0017	>=-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	-6.90	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-10.40	-0.0027	>=-2.5 & <=2.5	Pass
			-30	NV	-8.80	-0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	-5.30	-0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	-6.00	-0.0016	>=-2.5 & <=2.5	Pass
			0	NV	-7.60	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-6.30	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-2.10	-0.0005	>=-2.5 & <=2.5	Pass
			30	NV	-7.00	-0.0018	>=-2.5 & <=2.5	Pass

			40	NV	-7.20	-0.0019	>=-2.5 & <=2.5	Pass
			50	NV	-5.40	-0.0014	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	-6.00	-0.0016	>=-2.5 & <=2.5	Pass
				HV	-8.90	-0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	-3.00	-0.0008	>=-2.5 & <=2.5	Pass
			-20	NV	-12.90	-0.0034	>=-2.5 & <=2.5	Pass
			-10	NV	-4.60	-0.0012	>=-2.5 & <=2.5	Pass
			0	NV	-8.10	-0.0021	>=-2.5 & <=2.5	Pass
			10	NV	-7.70	-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	-5.30	-0.0014	>=-2.5 & <=2.5	Pass
			50	NV	-8.30	-0.0022	>=-2.5 & <=2.5	Pass
			DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-5.60
HV	-4.80	-0.0013					>=-2.5 & <=2.5	Pass
-30	NV	-5.60				-0.0015	>=-2.5 & <=2.5	Pass
-20	NV	-12.40				-0.0032	>=-2.5 & <=2.5	Pass
-10	NV	-5.90				-0.0015	>=-2.5 & <=2.5	Pass
0	NV	-8.40				-0.0022	>=-2.5 & <=2.5	Pass
10	NV	-2.50				-0.0007	>=-2.5 & <=2.5	Pass
20	NV	-10.10				-0.0026	>=-2.5 & <=2.5	Pass
30	NV	-3.90				-0.0010	>=-2.5 & <=2.5	Pass
40	NV	-3.30				-0.0009	>=-2.5 & <=2.5	Pass
50	NV	-8.20				-0.0021	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full				20	LV	-4.40
			HV	-6.50	-0.0017		>=-2.5 & <=2.5	Pass
			-30	NV	-4.20	-0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	-8.00	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	-2.10	-0.0005	>=-2.5 & <=2.5	Pass
			0	NV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-12.20	-0.0032	>=-2.5 & <=2.5	Pass
			20	NV	-9.70	-0.0025	>=-2.5 & <=2.5	Pass
			30	NV	-4.30	-0.0011	>=-2.5 & <=2.5	Pass
			40	NV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
			50	NV	-6.70	-0.0017	>=-2.5 & <=2.5	Pass
			DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	-6.90
HV	-2.90	-0.0008					>=-2.5 & <=2.5	Pass
-30	NV	-5.20				-0.0014	>=-2.5 & <=2.5	Pass
-20	NV	-6.30				-0.0016	>=-2.5 & <=2.5	Pass
-10	NV	-4.40				-0.0011	>=-2.5 & <=2.5	Pass
0	NV	-6.10				-0.0016	>=-2.5 & <=2.5	Pass
10	NV	-7.00				-0.0018	>=-2.5 & <=2.5	Pass
20	NV	-4.60				-0.0012	>=-2.5 & <=2.5	Pass
30	NV	-4.30				-0.0011	>=-2.5 & <=2.5	Pass
40	NV	-7.60				-0.0020	>=-2.5 & <=2.5	Pass
50	NV	-8.50				-0.0022	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3840	Outer_Full				20	LV	-7.10
			HV	-7.90	-0.0021		>=-2.5 & <=2.5	Pass
			-30	NV	-8.40	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-9.10	-0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	-10.70	-0.0028	>=-2.5 & <=2.5	Pass
			0	NV	-7.50	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-3.20	-0.0008	>=-2.5 & <=2.5	Pass
			20	NV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
			30	NV	-9.00	-0.0023	>=-2.5 & <=2.5	Pass
			40	NV	-7.80	-0.0020	>=-2.5 & <=2.5	Pass
			50	NV	-7.40	-0.0019	>=-2.5 & <=2.5	Pass
			CP-OFDM 16 QAM	3840	Outer_Full	20	LV	-5.00
HV	-10.00	-0.0026					>=-2.5 & <=2.5	Pass

			-30	NV	-4.70	-0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	-9.60	-0.0025	>=-2.5 & <=2.5	Pass
			-10	NV	-8.40	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-10.60	-0.0028	>=-2.5 & <=2.5	Pass
			10	NV	-6.60	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-11.20	-0.0029	>=-2.5 & <=2.5	Pass
			30	NV	-8.70	-0.0023	>=-2.5 & <=2.5	Pass
			40	NV	-6.50	-0.0017	>=-2.5 & <=2.5	Pass
			50	NV	-7.80	-0.0020	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	-12.60	-0.0033	>=-2.5 & <=2.5	Pass
				HV	-7.20	-0.0019	>=-2.5 & <=2.5	Pass
			-30	NV	-8.80	-0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	-9.20	-0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	-10.10	-0.0026	>=-2.5 & <=2.5	Pass
			0	NV	-4.40	-0.0011	>=-2.5 & <=2.5	Pass
			10	NV	-8.50	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-11.90	-0.0031	>=-2.5 & <=2.5	Pass
			30	NV	-10.90	-0.0028	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	40	NV	-8.90	-0.0023	>=-2.5 & <=2.5	Pass
			50	NV	-11.30	-0.0029	>=-2.5 & <=2.5	Pass
			20	LV	-12.40	-0.0032	>=-2.5 & <=2.5	Pass
				HV	-9.00	-0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	-6.20	-0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	-8.00	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	-7.30	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-7.60	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-14.10	-0.0037	>=-2.5 & <=2.5	Pass
			20	NV	-9.50	-0.0025	>=-2.5 & <=2.5	Pass
			30	NV	-3.90	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-8.00	-0.0021	>=-2.5 & <=2.5	Pass
			50	NV	-3.70	-0.0010	>=-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	8.68	9.26	/	Pass
	3840	Outer_Full	8.64	9.47	/	Pass
	3975	Outer_Full	8.63	9.52	/	Pass
DFT-s-OFDM QPSK	3705	Outer_Full	8.66	9.51	/	Pass
	3840	Outer_Full	8.63	9.47	/	Pass
	3975	Outer_Full	8.65	9.54	/	Pass
DFT-s-OFDM 16 QAM	3705	Outer_Full	8.63	9.40	/	Pass
	3840	Outer_Full	8.73	9.38	/	Pass
	3975	Outer_Full	8.77	9.28	/	Pass
DFT-s-OFDM 64 QAM	3705	Outer_Full	8.70	9.54	/	Pass
	3840	Outer_Full	8.79	9.34	/	Pass
	3975	Outer_Full	8.61	9.25	/	Pass
DFT-s-OFDM 256 QAM	3705	Outer_Full	8.56	9.55	/	Pass
	3840	Outer_Full	8.83	9.28	/	Pass
	3975	Outer_Full	8.79	9.21	/	Pass

CP-OFDM QPSK	3705	Outer_Full	8.69	9.50	/	Pass
	3840	Outer_Full	8.78	9.27	/	Pass
	3975	Outer_Full	8.77	9.27	/	Pass
CP-OFDM 16 QAM	3705	Outer_Full	8.78	9.35	/	Pass
	3840	Outer_Full	8.68	9.46	/	Pass
	3975	Outer_Full	8.68	9.46	/	Pass
CP-OFDM 64 QAM	3705	Outer_Full	8.65	9.51	/	Pass
	3840	Outer_Full	8.72	9.47	/	Pass
	3975	Outer_Full	8.71	9.53	/	Pass
CP-OFDM 256 QAM	3705	Outer_Full	8.73	9.31	/	Pass
	3840	Outer_Full	8.69	9.67	/	Pass
	3975	Outer_Full	8.71	9.40	/	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	13.23	14.00	/	Pass
	3840	Outer_Full	13.17	14.13	/	Pass
	3972.48	Outer_Full	13.05	14.06	/	Pass
DFT-s-OFDM QPSK	3707.52	Outer_Full	13.18	14.16	/	Pass
	3840	Outer_Full	13.07	14.25	/	Pass
	3972.48	Outer_Full	13.06	14.01	/	Pass
DFT-s-OFDM 16 QAM	3707.52	Outer_Full	13.25	13.84	/	Pass
	3840	Outer_Full	13.26	14.10	/	Pass
	3972.48	Outer_Full	13.25	13.98	/	Pass
DFT-s-OFDM 64 QAM	3707.52	Outer_Full	13.27	13.97	/	Pass
	3840	Outer_Full	13.03	13.97	/	Pass
	3972.48	Outer_Full	13.22	13.86	/	Pass
DFT-s-OFDM 256 QAM	3707.52	Outer_Full	13.30	14.02	/	Pass
	3840	Outer_Full	13.24	14.03	/	Pass
	3972.48	Outer_Full	13.01	13.79	/	Pass
CP-OFDM QPSK	3707.52	Outer_Full	13.95	14.85	/	Pass
	3840	Outer_Full	13.95	14.64	/	Pass
	3972.48	Outer_Full	13.92	14.54	/	Pass
CP-OFDM 16 QAM	3707.52	Outer_Full	13.91	14.69	/	Pass
	3840	Outer_Full	13.63	14.74	/	Pass
	3972.48	Outer_Full	13.91	14.71	/	Pass
CP-OFDM 64 QAM	3707.52	Outer_Full	14.03	14.65	/	Pass
	3840	Outer_Full	13.98	14.62	/	Pass
	3972.48	Outer_Full	13.75	14.70	/	Pass
CP-OFDM 256 QAM	3707.52	Outer_Full	13.75	14.71	/	Pass
	3840	Outer_Full	13.92	14.51	/	Pass
	3972.48	Outer_Full	14.01	14.70	/	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	18.12	19.34	/	Pass
	3840	Outer_Full	18.08	19.35	/	Pass
	3969.99	Outer_Full	18.17	19.22	/	Pass
DFT-s-OFDM QPSK	3710.01	Outer_Full	18.41	19.33	/	Pass
	3840	Outer_Full	18.34	19.26	/	Pass

DFT-s-OFDM 16 QAM	3969.99	Outer_Full	18.02	19.35	/	Pass
	3710.01	Outer_Full	18.11	19.45	/	Pass
	3840	Outer_Full	18.40	19.34	/	Pass
	3969.99	Outer_Full	18.20	19.35	/	Pass
DFT-s-OFDM 64 QAM	3710.01	Outer_Full	18.27	19.04	/	Pass
	3840	Outer_Full	18.40	19.46	/	Pass
	3969.99	Outer_Full	18.12	19.29	/	Pass
DFT-s-OFDM 256 QAM	3710.01	Outer_Full	18.09	19.33	/	Pass
	3840	Outer_Full	18.11	19.34	/	Pass
	3969.99	Outer_Full	18.36	19.25	/	Pass
CP-OFDM QPSK	3710.01	Outer_Full	18.76	19.64	/	Pass
	3840	Outer_Full	18.36	19.59	/	Pass
	3969.99	Outer_Full	18.71	19.67	/	Pass
CP-OFDM 16 QAM	3710.01	Outer_Full	18.77	19.55	/	Pass
	3840	Outer_Full	18.40	19.77	/	Pass
	3969.99	Outer_Full	18.35	19.54	/	Pass
CP-OFDM 64 QAM	3710.01	Outer_Full	18.39	19.56	/	Pass
	3840	Outer_Full	18.66	19.70	/	Pass
	3969.99	Outer_Full	18.68	19.68	/	Pass
CP-OFDM 256 QAM	3710.01	Outer_Full	18.43	19.80	/	Pass
	3840	Outer_Full	18.73	19.60	/	Pass
	3969.99	Outer_Full	18.40	19.72	/	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	36.79	39.02	/	Pass
	3840	Outer_Full	36.76	38.74	/	Pass
	3960	Outer_Full	36.06	38.22	/	Pass
DFT-s-OFDM QPSK	3720	Outer_Full	36.14	38.60	/	Pass
	3840	Outer_Full	36.04	38.65	/	Pass
	3960	Outer_Full	36.10	38.67	/	Pass
DFT-s-OFDM 16 QAM	3720	Outer_Full	36.05	38.75	/	Pass
	3840	Outer_Full	36.69	38.68	/	Pass
	3960	Outer_Full	36.23	38.08	/	Pass
DFT-s-OFDM 64 QAM	3720	Outer_Full	36.06	38.42	/	Pass
	3840	Outer_Full	36.00	38.55	/	Pass
	3960	Outer_Full	36.84	38.47	/	Pass
DFT-s-OFDM 256 QAM	3720	Outer_Full	36.09	38.56	/	Pass
	3840	Outer_Full	36.09	38.57	/	Pass
	3960	Outer_Full	36.22	38.74	/	Pass
CP-OFDM QPSK	3720	Outer_Full	38.53	40.07	/	Pass
	3840	Outer_Full	38.95	40.76	/	Pass
	3960	Outer_Full	38.52	40.78	/	Pass
CP-OFDM 16 QAM	3720	Outer_Full	38.85	40.63	/	Pass
	3840	Outer_Full	38.83	40.72	/	Pass
	3960	Outer_Full	38.97	40.59	/	Pass
CP-OFDM 64 QAM	3720	Outer_Full	38.86	40.79	/	Pass
	3840	Outer_Full	38.18	40.55	/	Pass
	3960	Outer_Full	38.24	41.10	/	Pass
CP-OFDM 256 QAM	3720	Outer_Full	38.88	40.45	/	Pass
	3840	Outer_Full	38.96	40.51	/	Pass
	3960	Outer_Full	38.96	40.52	/	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	46.96	49.52	/	Pass
	3840	Outer_Full	46.27	49.32	/	Pass
	3954.99	Outer_Full	46.05	49.18	/	Pass
DFT-s-OFDM QPSK	3725.01	Outer_Full	47.11	49.36	/	Pass
	3840	Outer_Full	46.95	49.41	/	Pass
	3954.99	Outer_Full	47.08	49.37	/	Pass
DFT-s-OFDM 16 QAM	3725.01	Outer_Full	47.11	49.38	/	Pass
	3840	Outer_Full	46.96	49.38	/	Pass
	3954.99	Outer_Full	47.13	49.75	/	Pass
DFT-s-OFDM 64 QAM	3725.01	Outer_Full	46.06	49.28	/	Pass
	3840	Outer_Full	47.06	49.45	/	Pass
	3954.99	Outer_Full	46.50	49.70	/	Pass
DFT-s-OFDM 256 QAM	3725.01	Outer_Full	46.35	49.83	/	Pass
	3840	Outer_Full	46.12	48.62	/	Pass
	3954.99	Outer_Full	47.14	49.20	/	Pass
CP-OFDM QPSK	3725.01	Outer_Full	47.87	50.74	/	Pass
	3840	Outer_Full	47.98	51.13	/	Pass
	3954.99	Outer_Full	48.77	51.09	/	Pass
CP-OFDM 16 QAM	3725.01	Outer_Full	47.78	51.15	/	Pass
	3840	Outer_Full	48.10	51.08	/	Pass
	3954.99	Outer_Full	49.06	51.16	/	Pass
CP-OFDM 64 QAM	3725.01	Outer_Full	48.49	50.17	/	Pass
	3840	Outer_Full	48.64	51.09	/	Pass
	3954.99	Outer_Full	48.02	51.10	/	Pass
CP-OFDM 256 QAM	3725.01	Outer_Full	48.94	50.81	/	Pass
	3840	Outer_Full	48.98	50.89	/	Pass
	3954.99	Outer_Full	49.00	50.90	/	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	58.22	62.02	/	Pass
	3840	Outer_Full	58.06	61.79	/	Pass
	3949.98	Outer_Full	58.34	61.93	/	Pass
DFT-s-OFDM QPSK	3730.02	Outer_Full	58.33	62.09	/	Pass
	3840	Outer_Full	59.49	62.52	/	Pass
	3949.98	Outer_Full	59.40	62.61	/	Pass
DFT-s-OFDM 16 QAM	3730.02	Outer_Full	59.45	62.01	/	Pass
	3840	Outer_Full	57.89	62.28	/	Pass
	3949.98	Outer_Full	58.42	62.33	/	Pass
DFT-s-OFDM 64 QAM	3730.02	Outer_Full	59.49	62.30	/	Pass
	3840	Outer_Full	59.45	62.33	/	Pass
	3949.98	Outer_Full	59.59	62.42	/	Pass
DFT-s-OFDM 256 QAM	3730.02	Outer_Full	59.44	62.13	/	Pass
	3840	Outer_Full	59.42	61.98	/	Pass
	3949.98	Outer_Full	59.36	62.11	/	Pass
CP-OFDM QPSK	3730.02	Outer_Full	58.06	61.83	/	Pass
	3840	Outer_Full	58.53	61.21	/	Pass
	3949.98	Outer_Full	58.44	62.06	/	Pass
CP-OFDM 16 QAM	3730.02	Outer_Full	58.13	62.43	/	Pass

CP-OFDM 64 QAM	3840	Outer_Full	58.20	62.04	/	Pass
	3949.98	Outer_Full	59.25	62.49	/	Pass
	3730.02	Outer_Full	59.60	62.23	/	Pass
	3840	Outer_Full	59.74	63.04	/	Pass
	3949.98	Outer_Full	59.63	62.28	/	Pass
CP-OFDM 256 QAM	3730.02	Outer_Full	58.21	60.87	/	Pass
	3840	Outer_Full	59.68	61.90	/	Pass
	3949.98	Outer_Full	59.80	62.29	/	Pass

3.1.7 30k_SISO_80MHz_NTNV

5G NR n77a SCS=30kHz SISO 80MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3740.01	Outer_Full	78.78	83.47	/	Pass
	3840	Outer_Full	79.18	83.28	/	Pass
	3939.99	Outer_Full	79.05	83.60	/	Pass
DFT-s-OFDM QPSK	3740.01	Outer_Full	77.62	82.91	/	Pass
	3840	Outer_Full	79.25	83.25	/	Pass
	3939.99	Outer_Full	79.04	82.87	/	Pass
DFT-s-OFDM 16 QAM	3740.01	Outer_Full	79.63	83.28	/	Pass
	3840	Outer_Full	79.35	82.99	/	Pass
	3939.99	Outer_Full	79.55	83.14	/	Pass
DFT-s-OFDM 64 QAM	3740.01	Outer_Full	77.59	82.79	/	Pass
	3840	Outer_Full	79.59	83.00	/	Pass
	3939.99	Outer_Full	77.68	83.02	/	Pass
DFT-s-OFDM 256 QAM	3740.01	Outer_Full	79.57	82.56	/	Pass
	3840	Outer_Full	79.94	82.89	/	Pass
	3939.99	Outer_Full	79.72	82.57	/	Pass
CP-OFDM QPSK	3740.01	Outer_Full	79.96	83.40	/	Pass
	3840	Outer_Full	78.10	84.15	/	Pass
	3939.99	Outer_Full	78.19	83.33	/	Pass
CP-OFDM 16 QAM	3740.01	Outer_Full	79.53	82.35	/	Pass
	3840	Outer_Full	78.00	83.12	/	Pass
	3939.99	Outer_Full	78.05	82.38	/	Pass
CP-OFDM 64 QAM	3740.01	Outer_Full	80.06	84.44	/	Pass
	3840	Outer_Full	79.01	82.21	/	Pass
	3939.99	Outer_Full	78.34	83.19	/	Pass
CP-OFDM 256 QAM	3740.01	Outer_Full	79.60	82.72	/	Pass
	3840	Outer_Full	77.93	83.03	/	Pass
	3939.99	Outer_Full	79.83	82.69	/	Pass

3.1.8 30k_SISO_90MHz_NTNV

5G NR n77a SCS=30kHz SISO 90MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3745.02	Outer_Full	88.86	93.66	/	Pass
	3840	Outer_Full	88.95	93.38	/	Pass
	3934.98	Outer_Full	89.03	93.57	/	Pass
DFT-s-OFDM QPSK	3745.02	Outer_Full	87.33	92.23	/	Pass
	3840	Outer_Full	87.34	92.34	/	Pass
	3934.98	Outer_Full	89.19	93.57	/	Pass
DFT-s-OFDM 16 QAM	3745.02	Outer_Full	89.16	93.31	/	Pass
	3840	Outer_Full	87.15	92.97	/	Pass
	3934.98	Outer_Full	89.47	94.34	/	Pass

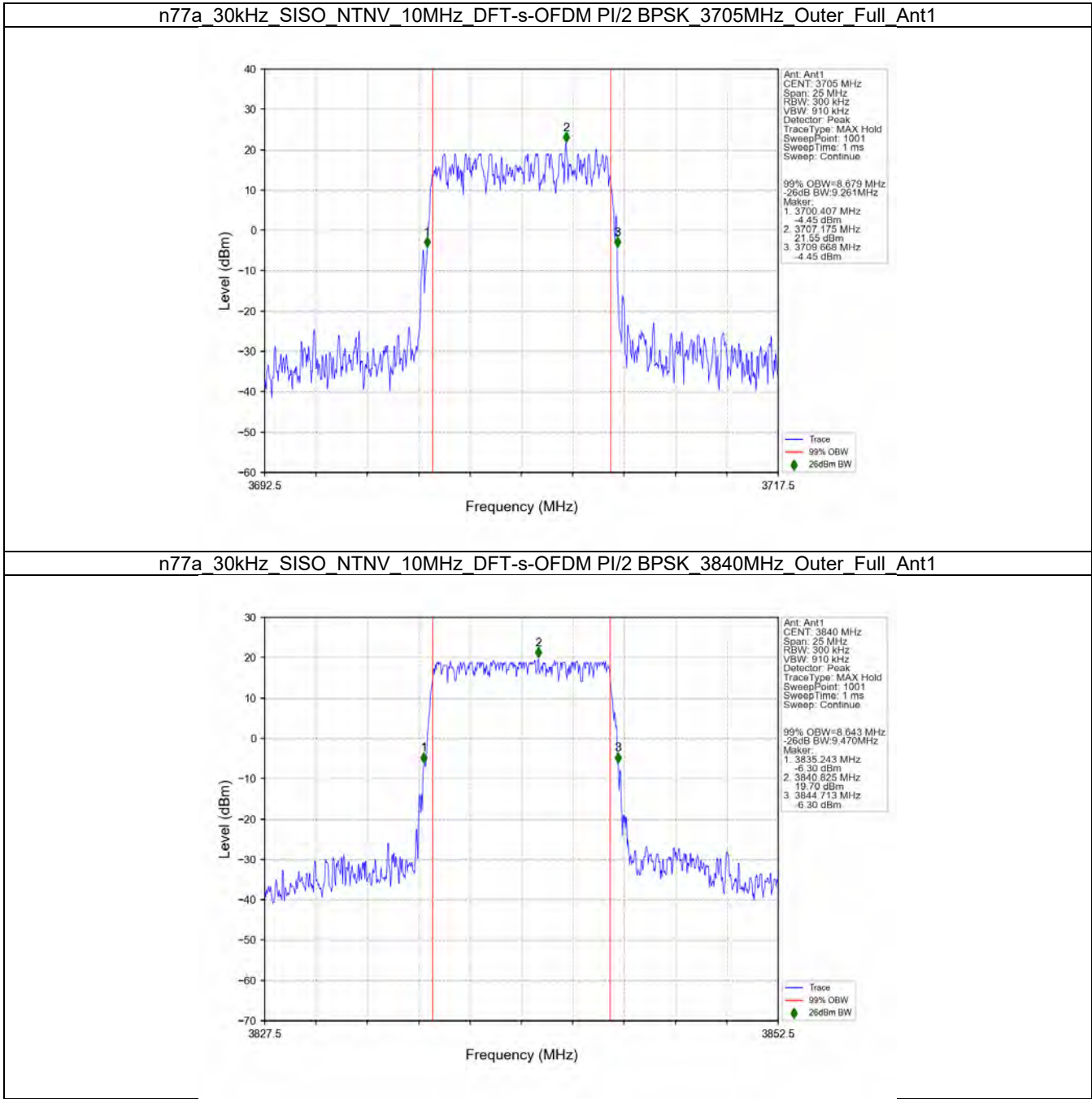
DFT-s-OFDM 64 QAM	3745.02	Outer_Full	89.11	93.11	/	Pass
	3840	Outer_Full	87.24	93.35	/	Pass
	3934.98	Outer_Full	89.53	93.35	/	Pass
DFT-s-OFDM 256 QAM	3745.02	Outer_Full	89.25	92.96	/	Pass
	3840	Outer_Full	87.21	91.97	/	Pass
	3934.98	Outer_Full	87.38	93.29	/	Pass
CP-OFDM QPSK	3745.02	Outer_Full	89.97	93.92	/	Pass
	3840	Outer_Full	88.16	93.84	/	Pass
	3934.98	Outer_Full	89.73	93.83	/	Pass
CP-OFDM 16 QAM	3745.02	Outer_Full	89.97	94.08	/	Pass
	3840	Outer_Full	89.98	93.62	/	Pass
	3934.98	Outer_Full	90.07	93.52	/	Pass
CP-OFDM 64 QAM	3745.02	Outer_Full	90.04	94.19	/	Pass
	3840	Outer_Full	89.75	93.13	/	Pass
	3934.98	Outer_Full	88.01	94.12	/	Pass
CP-OFDM 256 QAM	3745.02	Outer_Full	89.66	93.13	/	Pass
	3840	Outer_Full	90.14	93.10	/	Pass
	3934.98	Outer_Full	89.76	93.59	/	Pass

3.1.9 30k_SISO_100MHz_NTNV

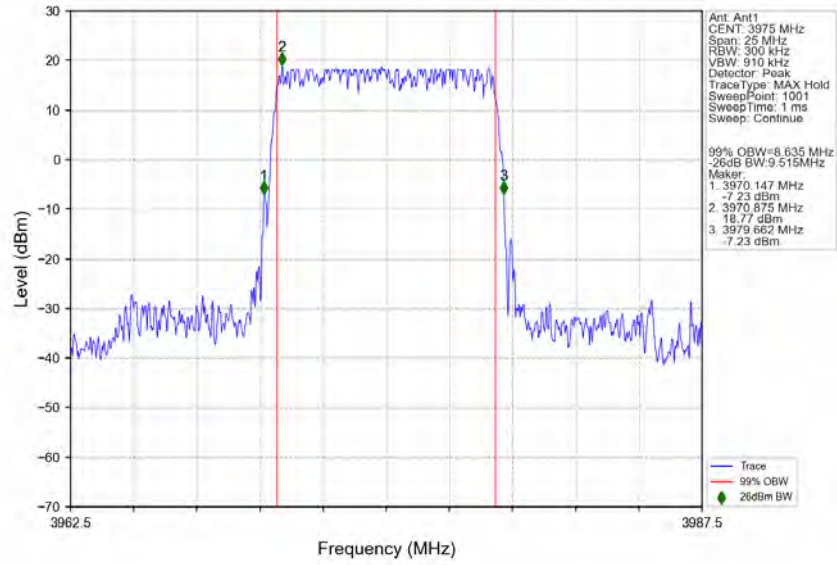
5G NR n77a SCS=30kHz SISO 100MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3750	Outer_Full	98.93	104.15	/	Pass
	3840	Outer_Full	97.08	103.16	/	Pass
	3930	Outer_Full	98.83	103.98	/	Pass
DFT-s-OFDM QPSK	3750	Outer_Full	96.92	103.25	/	Pass
	3840	Outer_Full	98.19	102.50	/	Pass
	3930	Outer_Full	99.52	103.86	/	Pass
DFT-s-OFDM 16 QAM	3750	Outer_Full	98.17	102.39	/	Pass
	3840	Outer_Full	99.26	104.12	/	Pass
	3930	Outer_Full	97.58	102.01	/	Pass
DFT-s-OFDM 64 QAM	3750	Outer_Full	96.72	103.67	/	Pass
	3840	Outer_Full	99.39	103.73	/	Pass
	3930	Outer_Full	99.48	103.84	/	Pass
DFT-s-OFDM 256 QAM	3750	Outer_Full	99.37	103.28	/	Pass
	3840	Outer_Full	97.33	103.42	/	Pass
	3930	Outer_Full	98.95	102.05	/	Pass
CP-OFDM QPSK	3750	Outer_Full	100.47	104.93	/	Pass
	3840	Outer_Full	98.18	104.89	/	Pass
	3930	Outer_Full	98.07	104.62	/	Pass
CP-OFDM 16 QAM	3750	Outer_Full	98.05	103.12	/	Pass
	3840	Outer_Full	97.86	102.97	/	Pass
	3930	Outer_Full	100.54	104.44	/	Pass
CP-OFDM 64 QAM	3750	Outer_Full	98.05	104.30	/	Pass
	3840	Outer_Full	100.22	104.13	/	Pass
	3930	Outer_Full	98.09	104.71	/	Pass
CP-OFDM 256 QAM	3750	Outer_Full	97.83	104.40	/	Pass
	3840	Outer_Full	100.22	102.94	/	Pass
	3930	Outer_Full	97.84	102.45	/	Pass

3.2 Test Graph

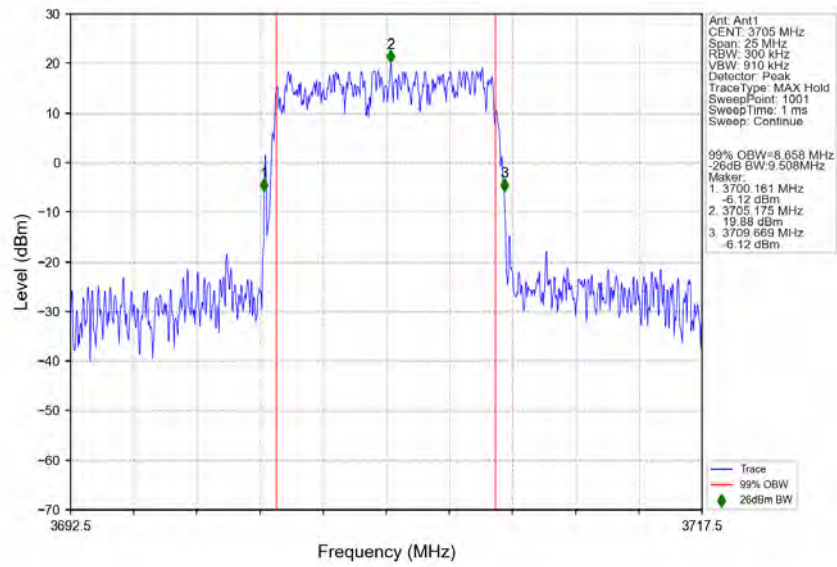
3.2.1 30k_SISO_10MHz_NTNV



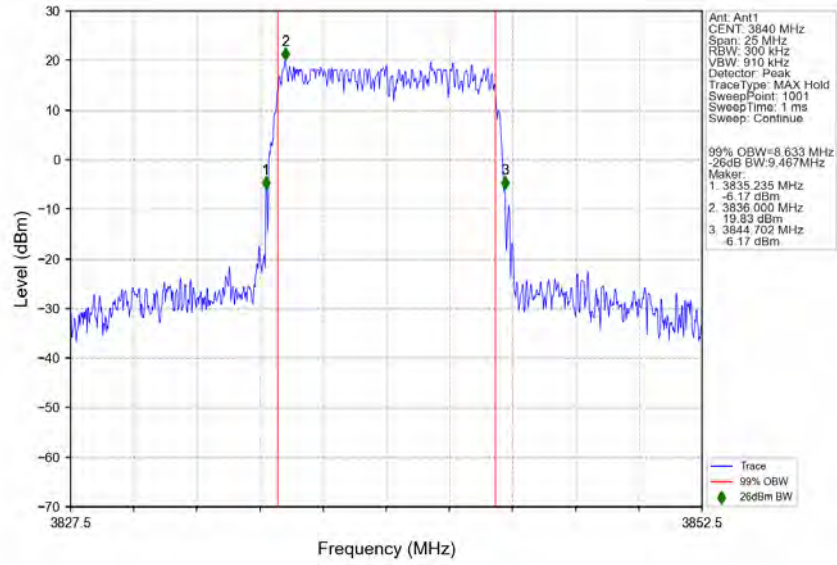
n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3975MHz_Outer_Full_Ant1



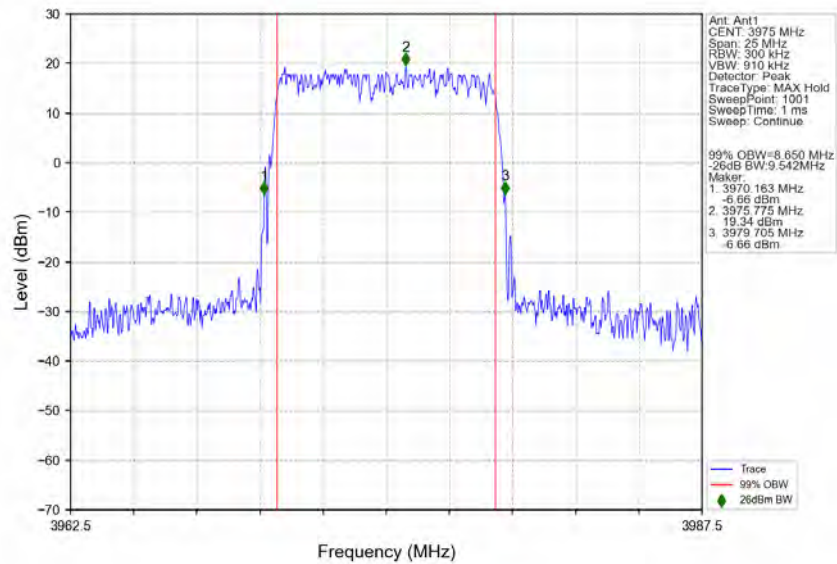
n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3705MHz_Outer_Full_Ant1



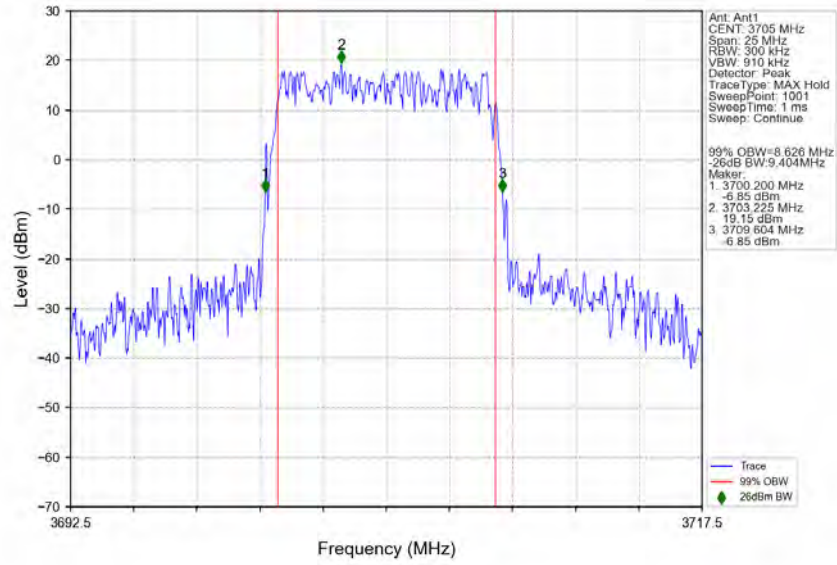
n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3840MHz_Outer_Full_Ant1



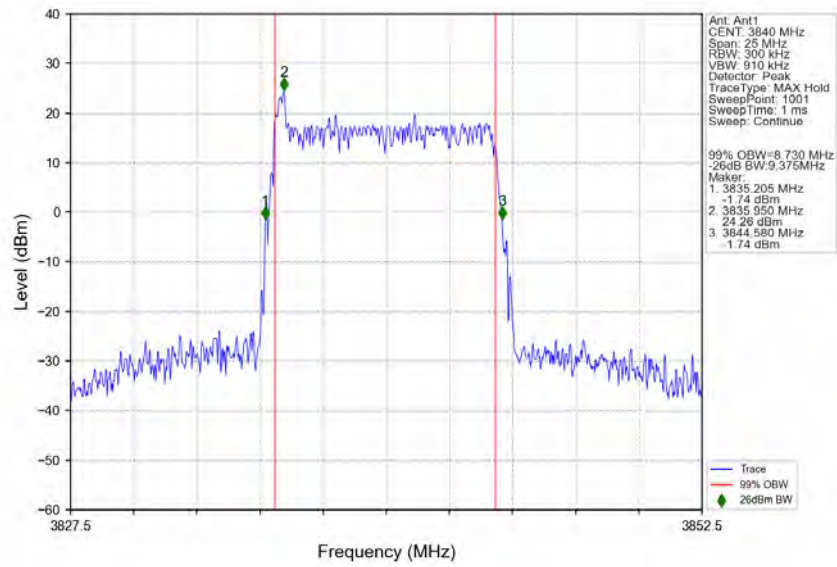
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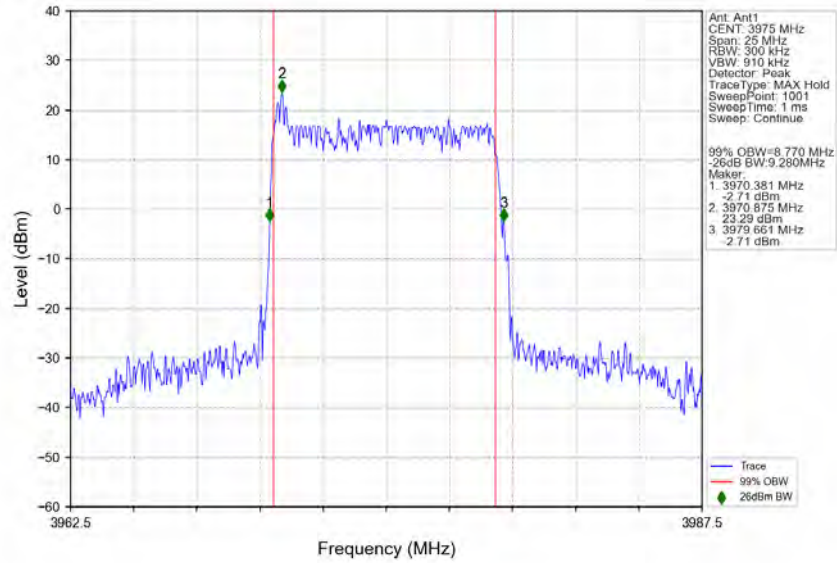
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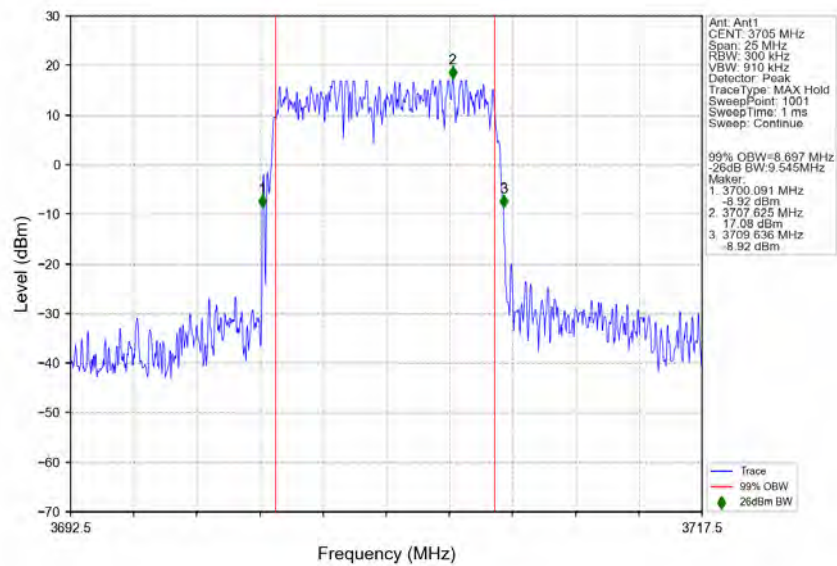
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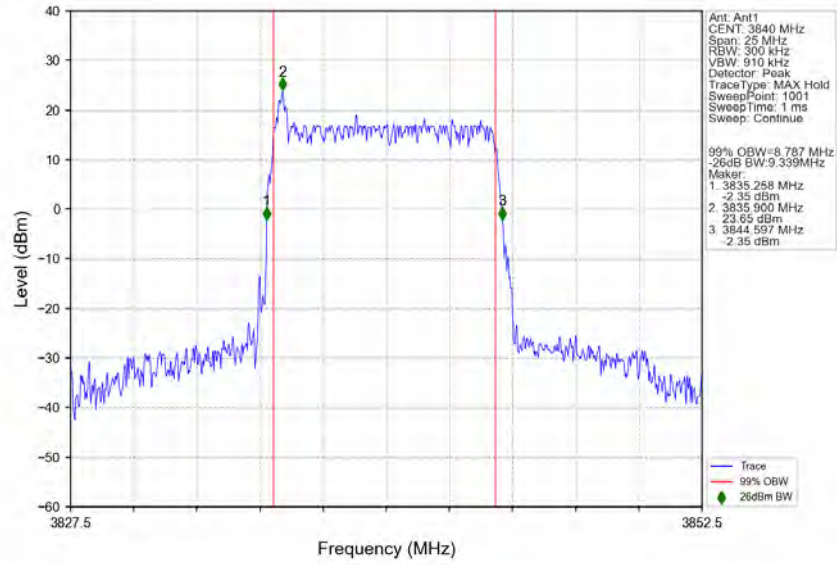
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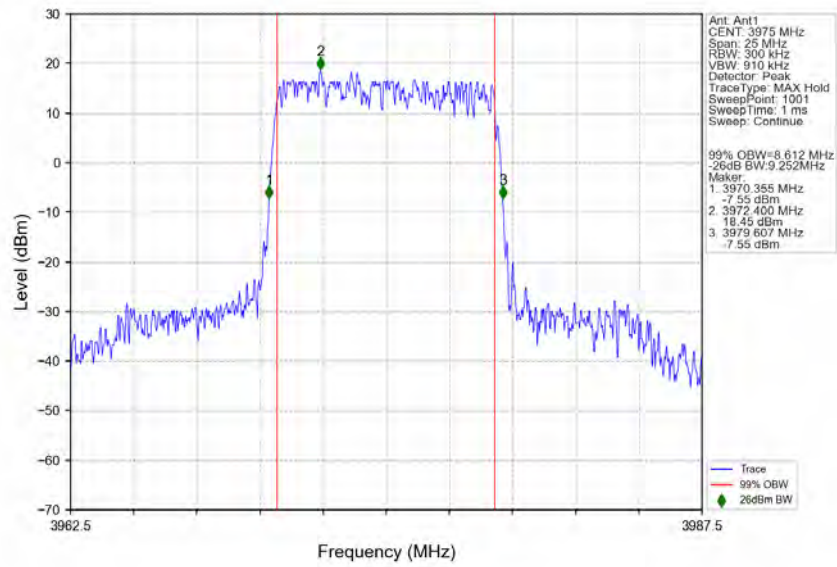
n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM 64 QAM 3705MHz_Outer_Full_Ant1



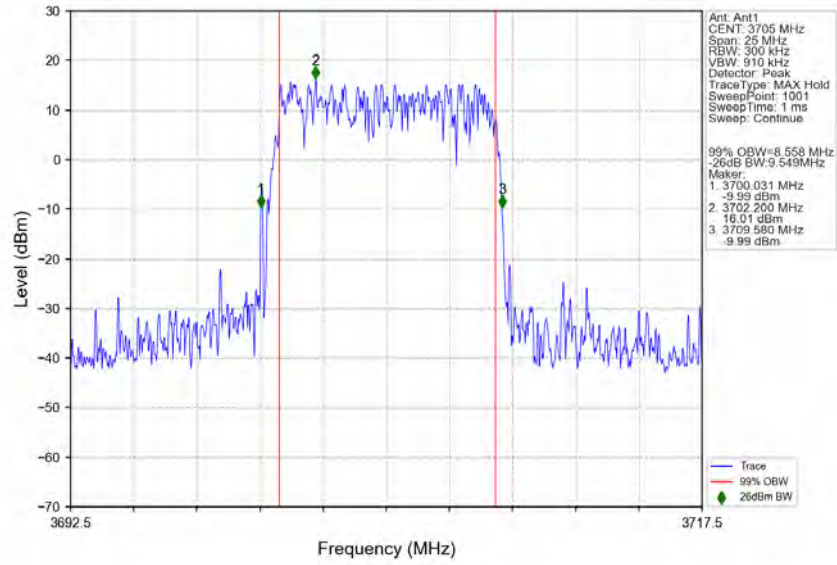
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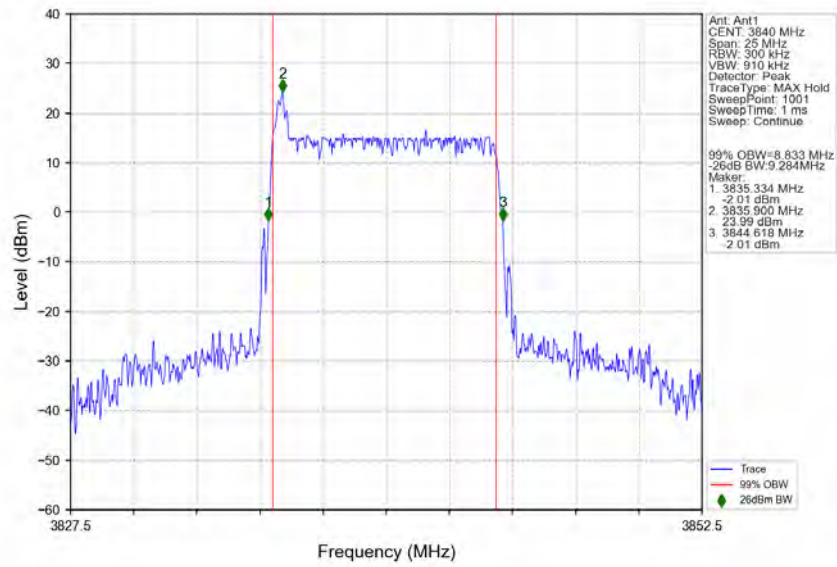
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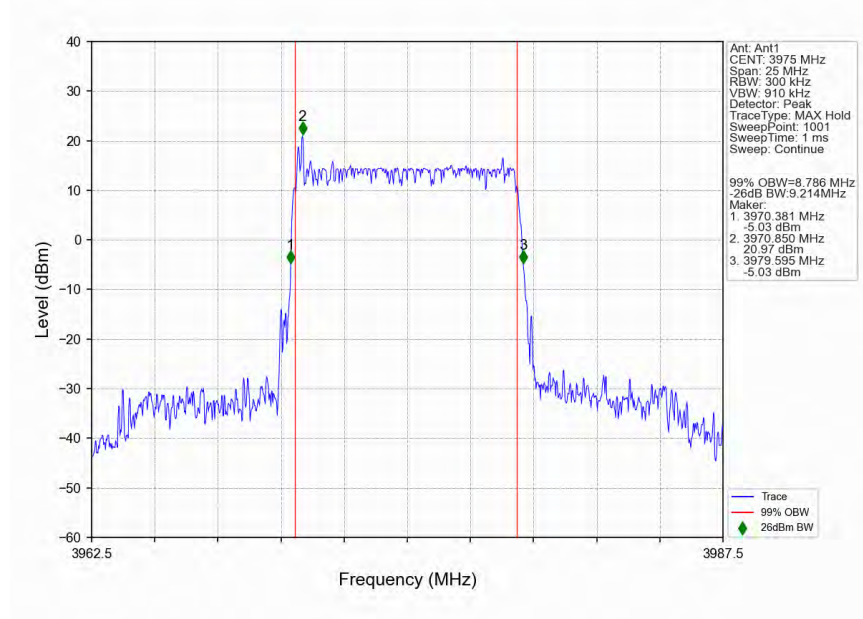
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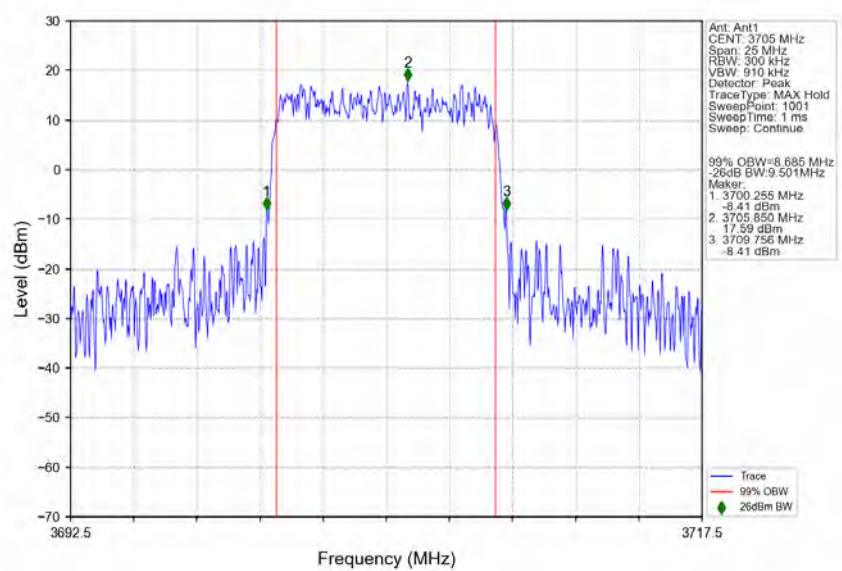
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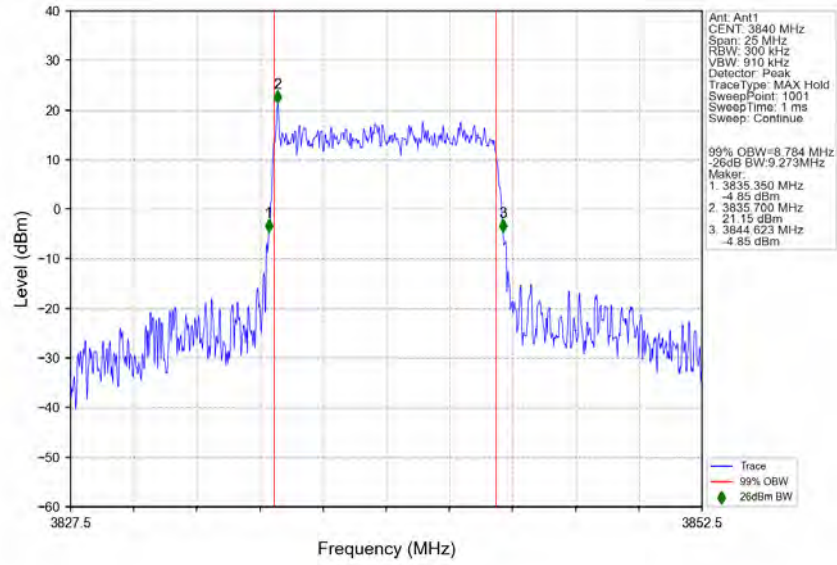
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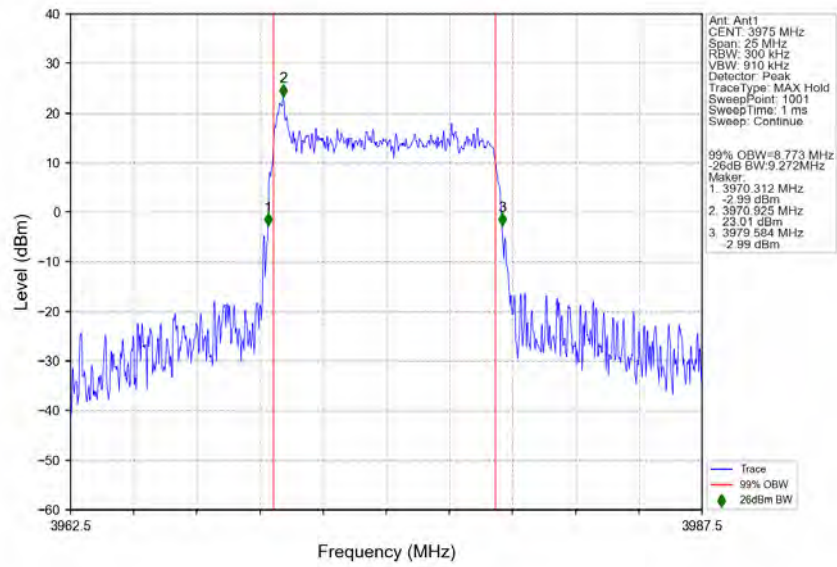
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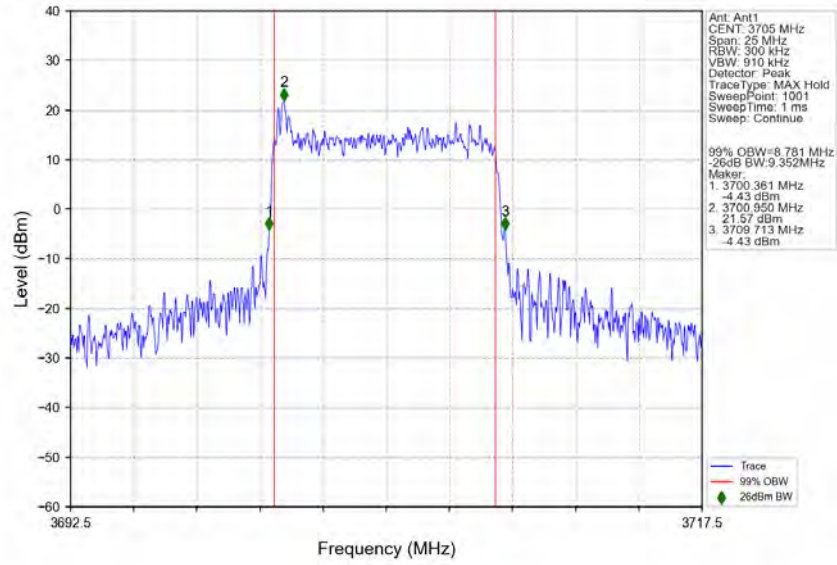
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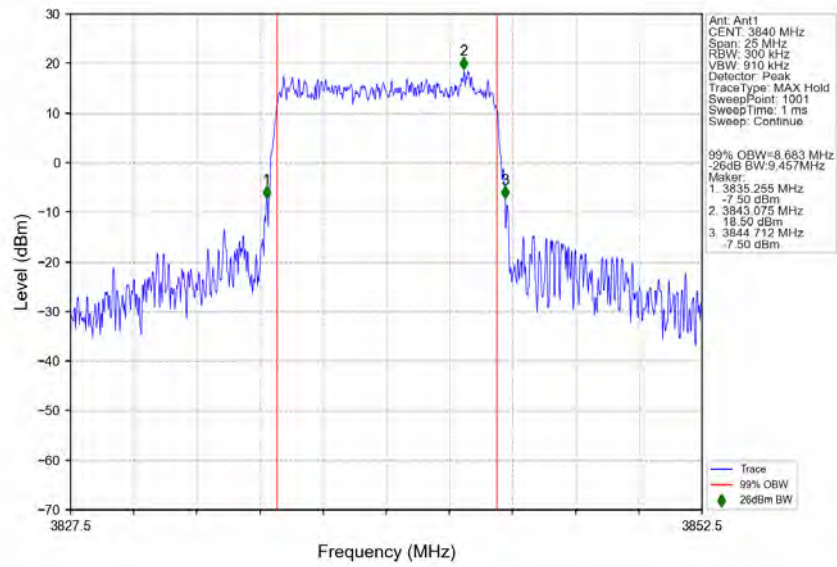
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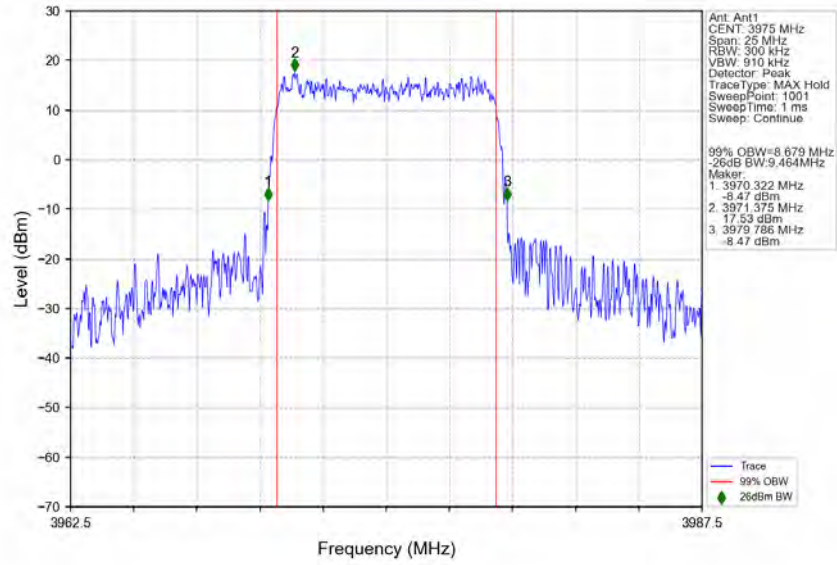
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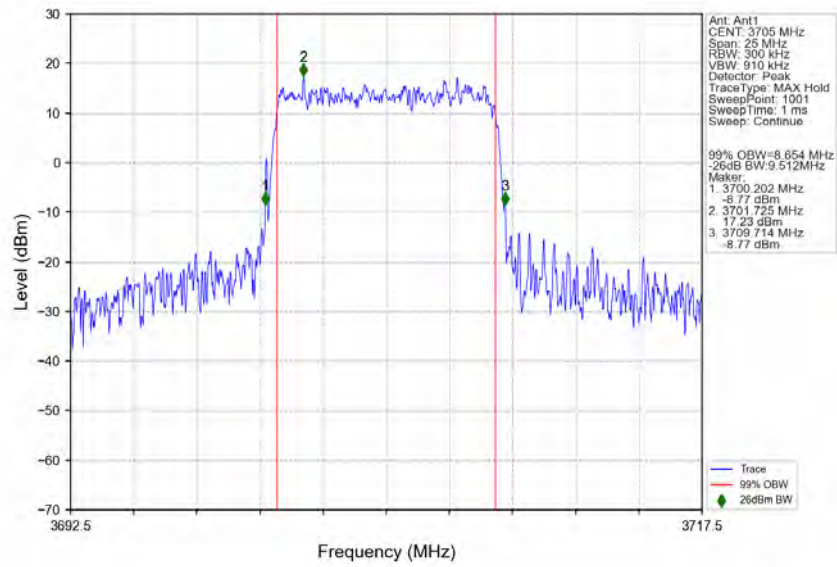
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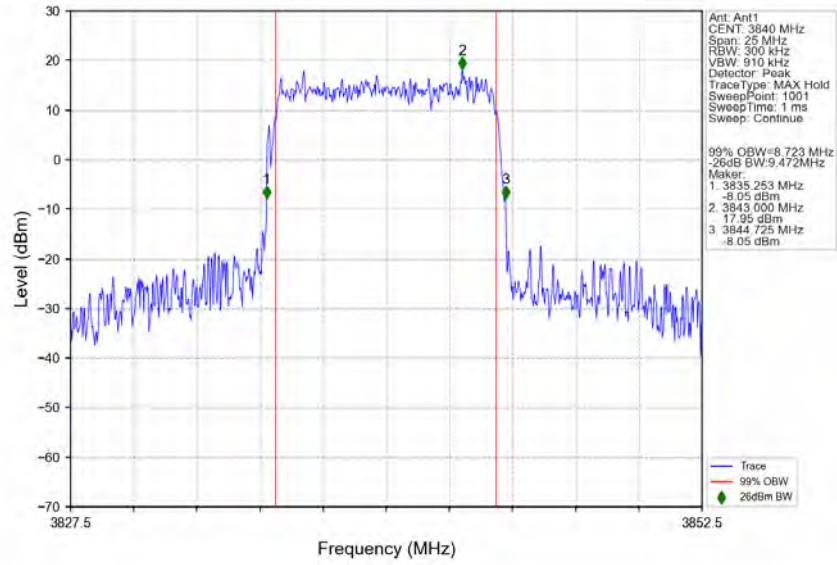
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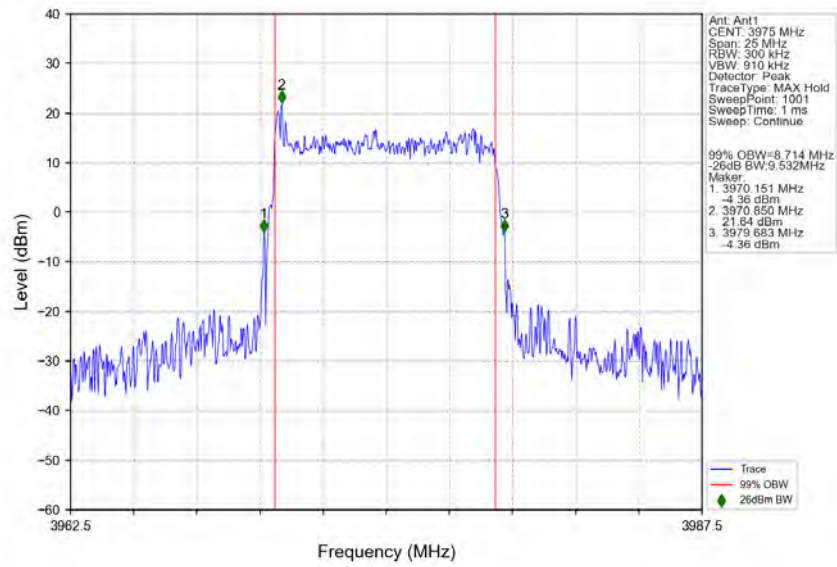
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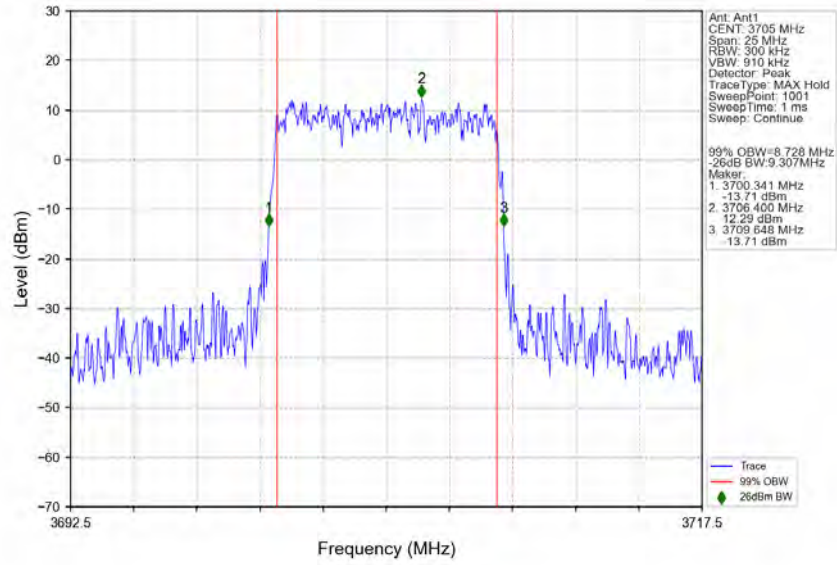
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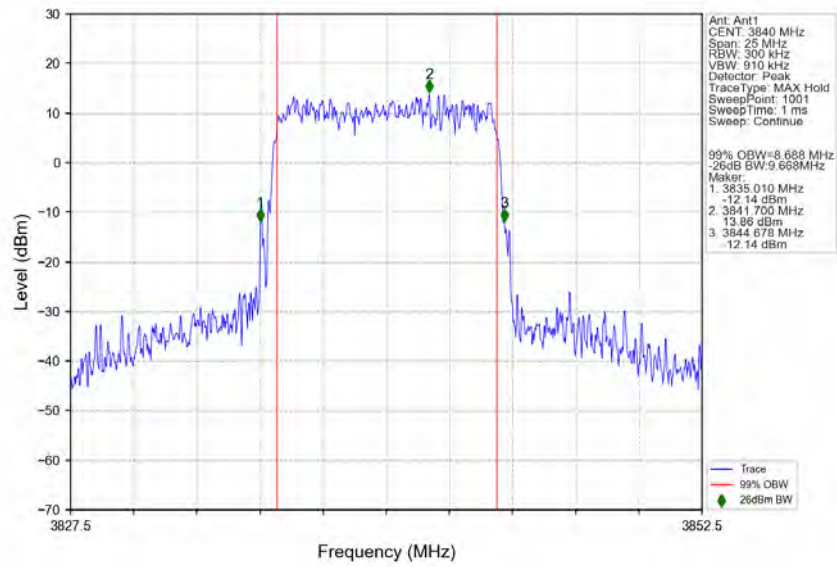
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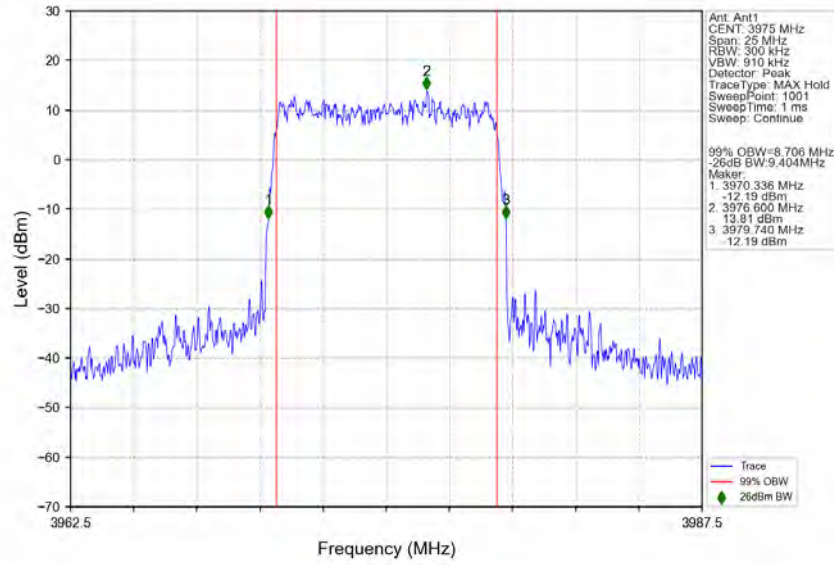
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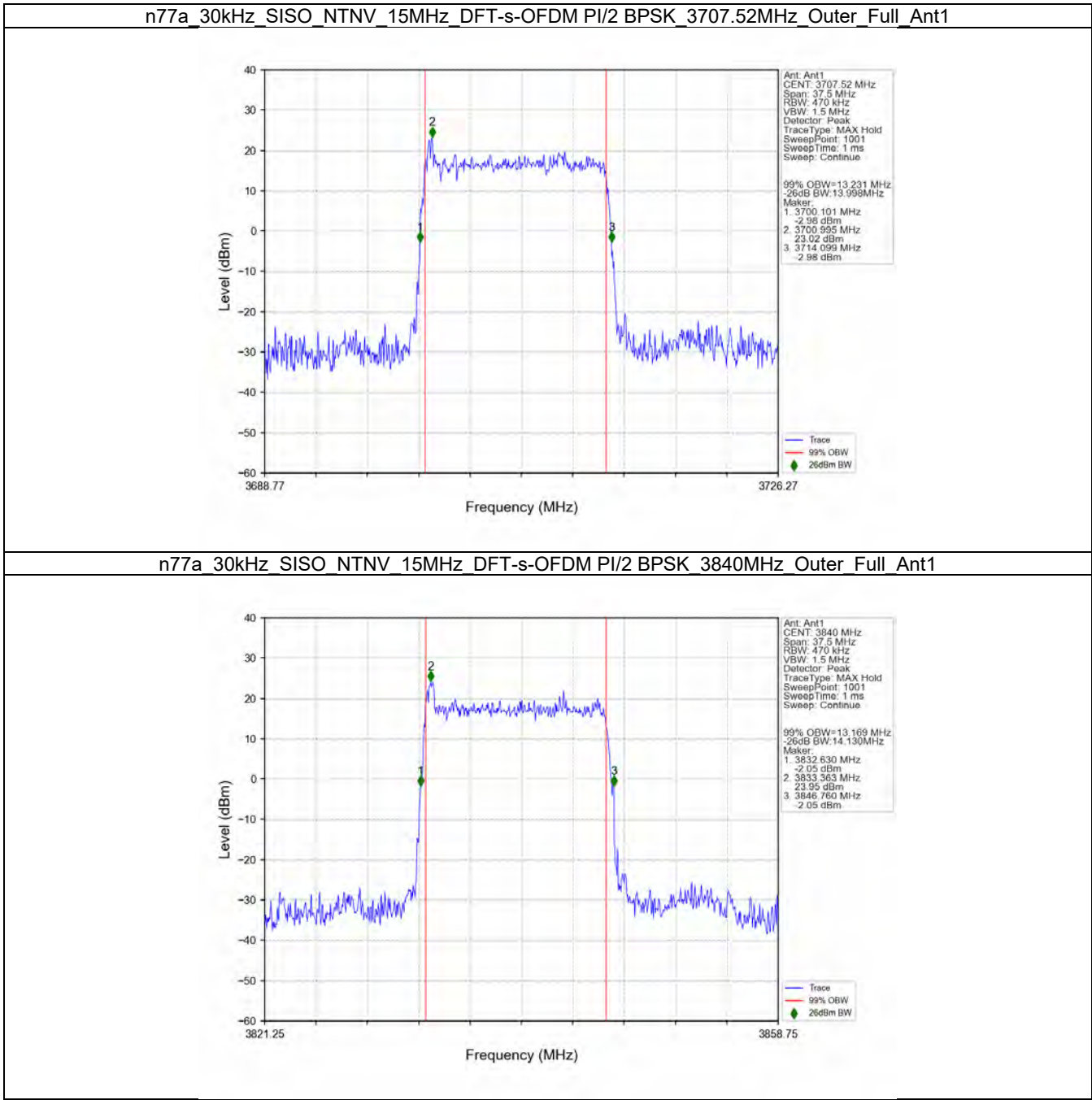
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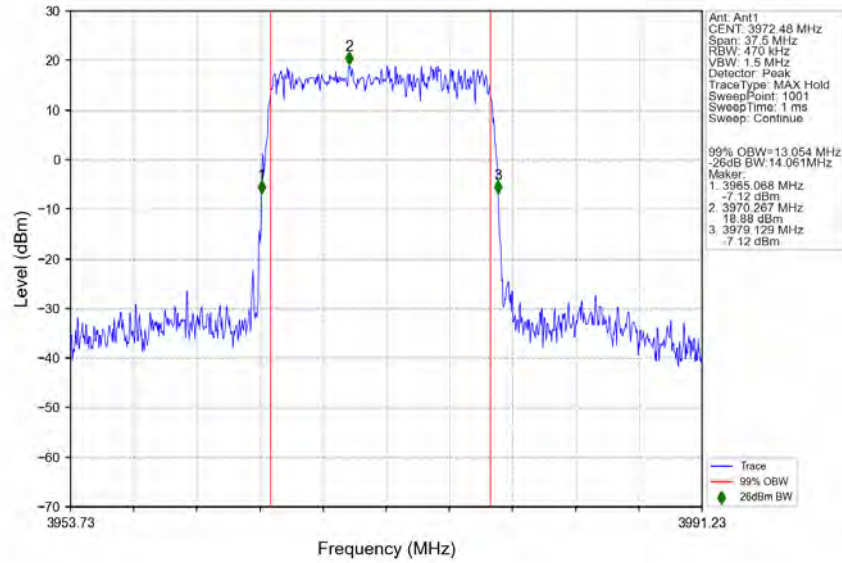
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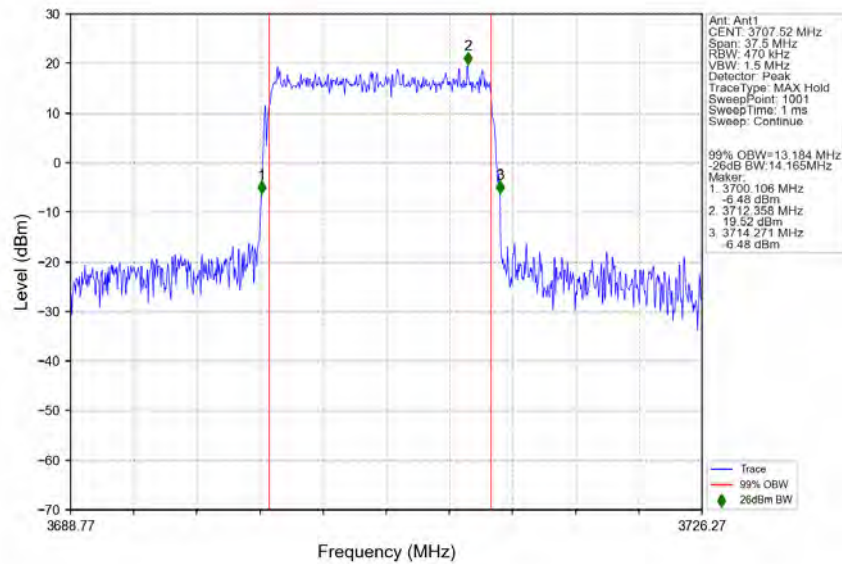
3.2.2 30k_SISO_15MHz_NTNV



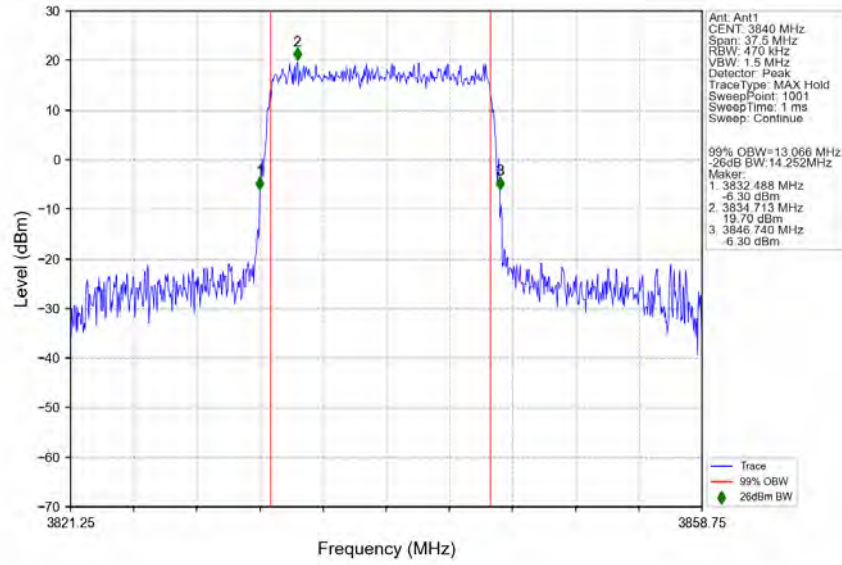
n77a_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_3972.48MHz_Outer_Full_Ant1



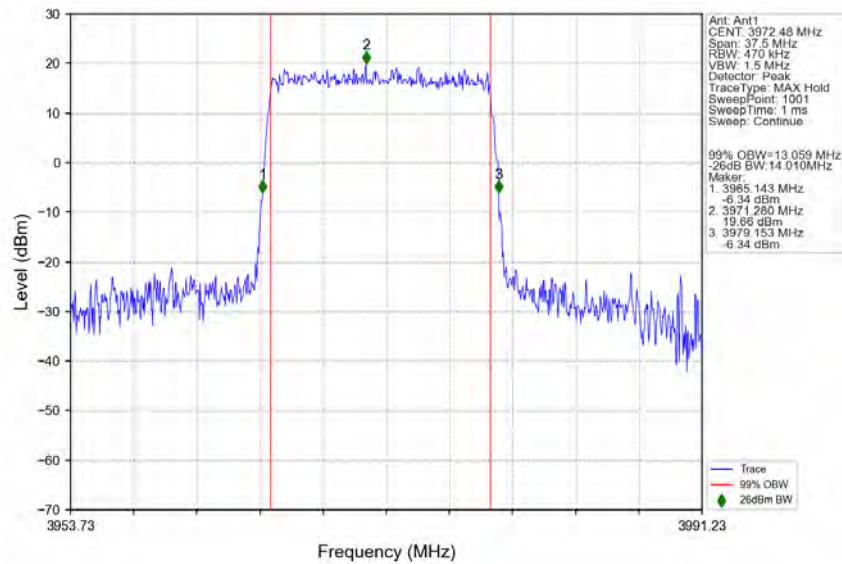
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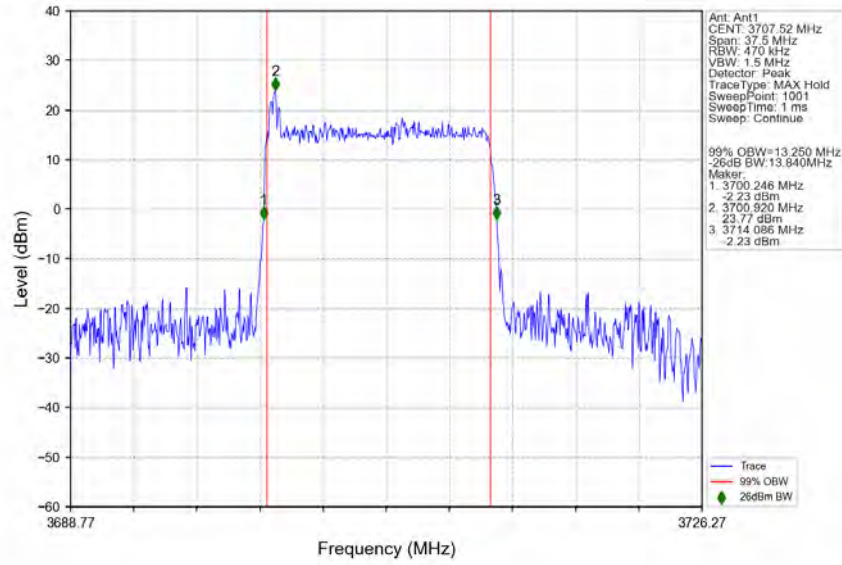
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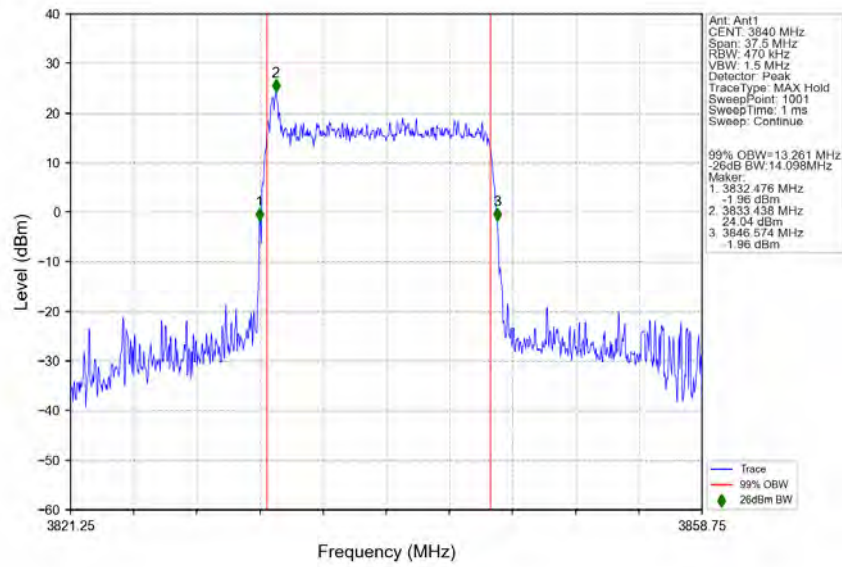
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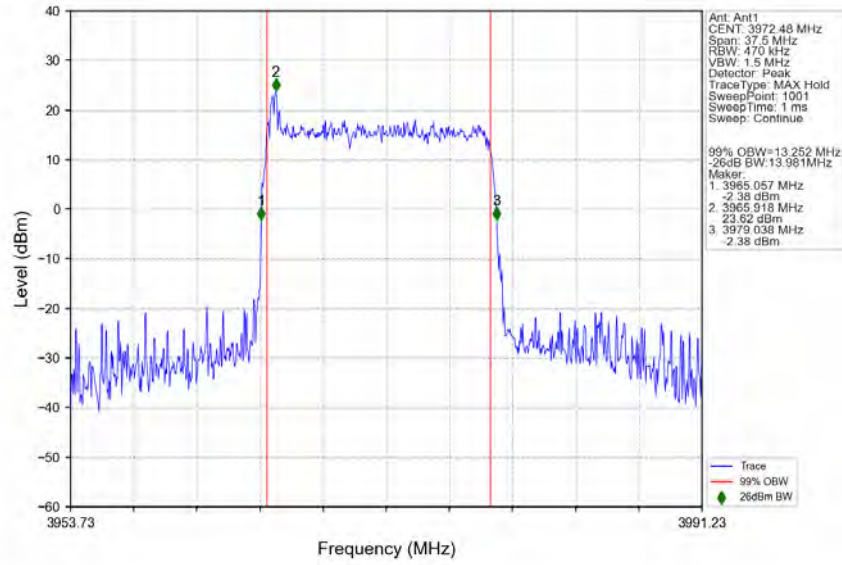
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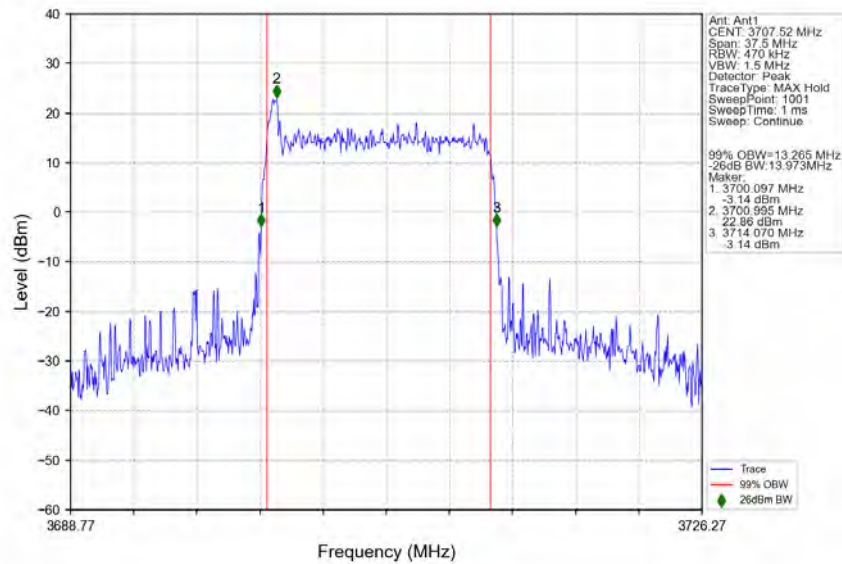
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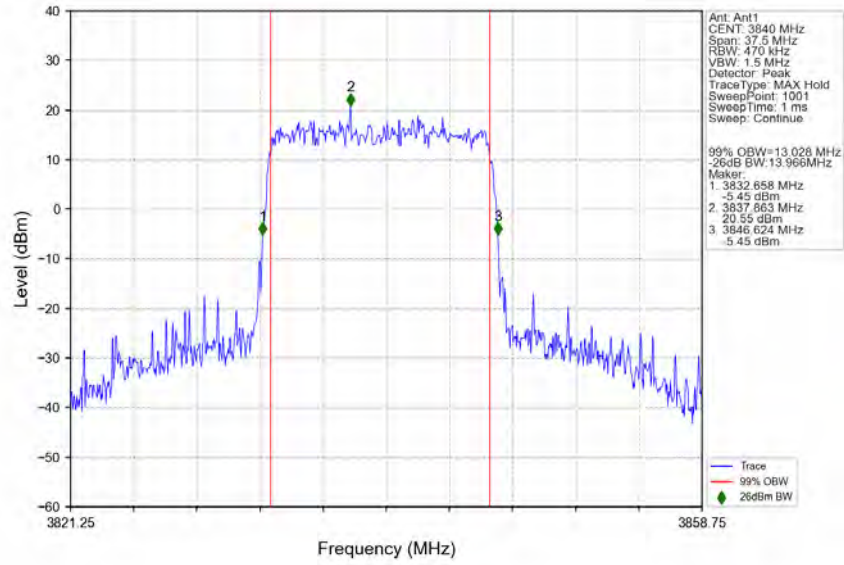
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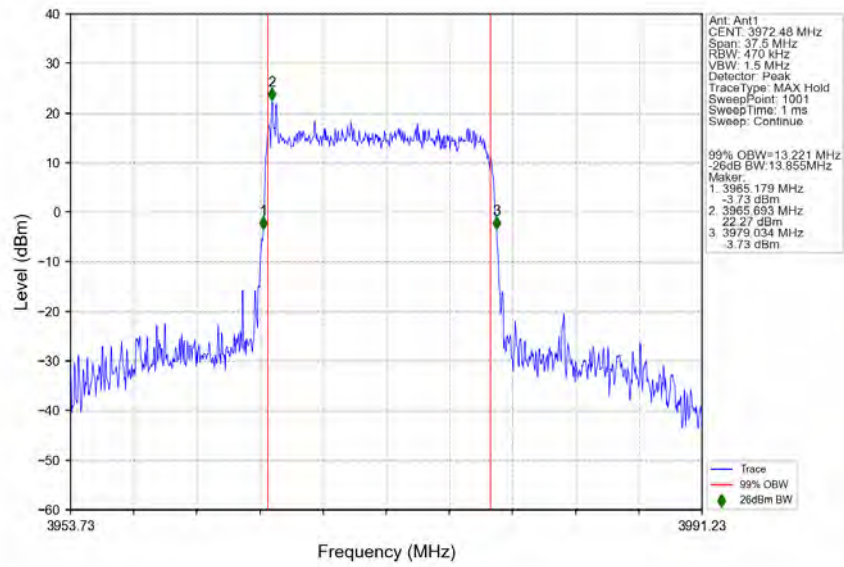
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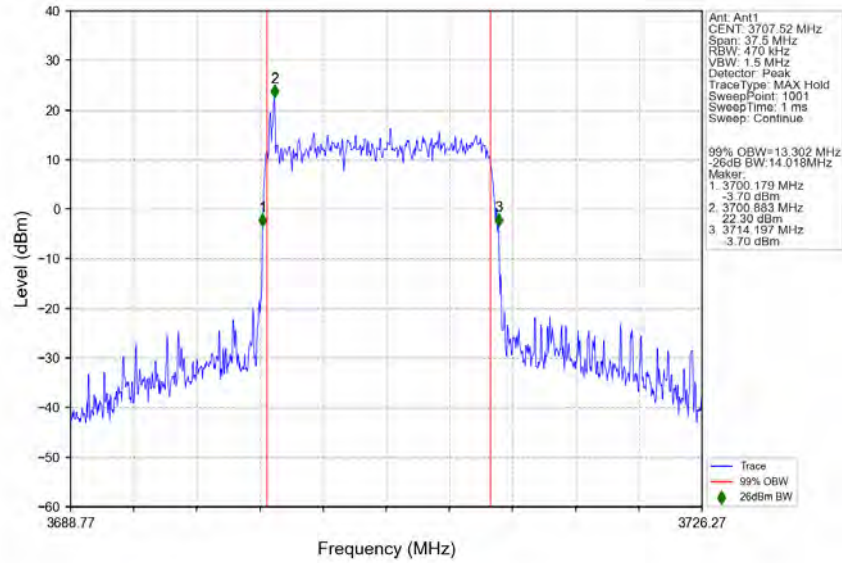
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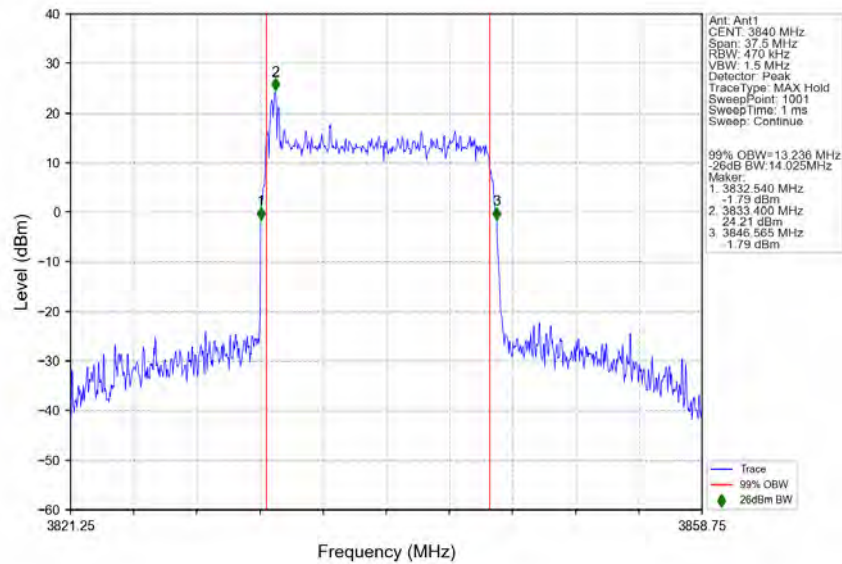
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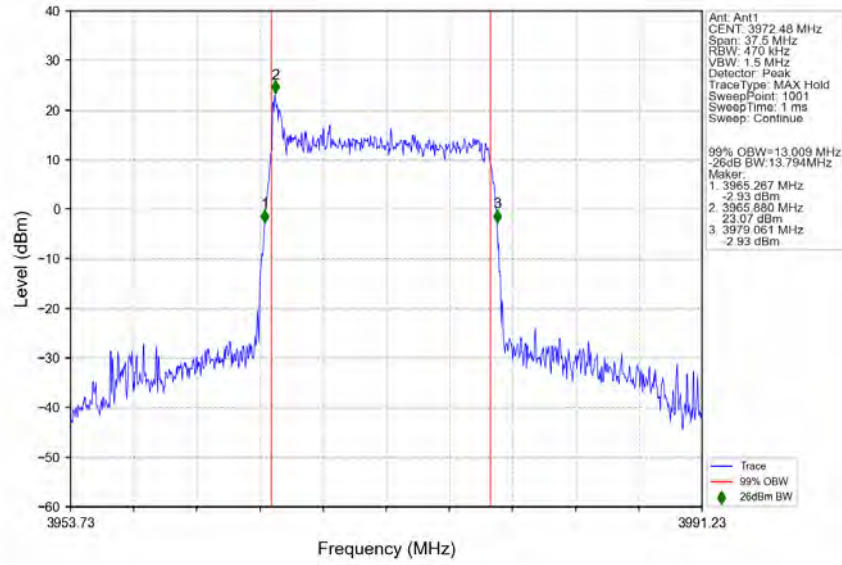
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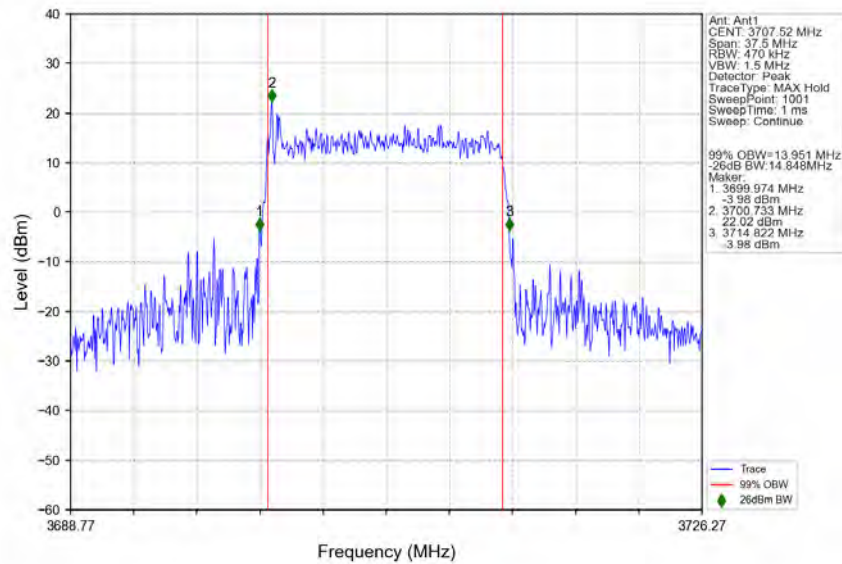
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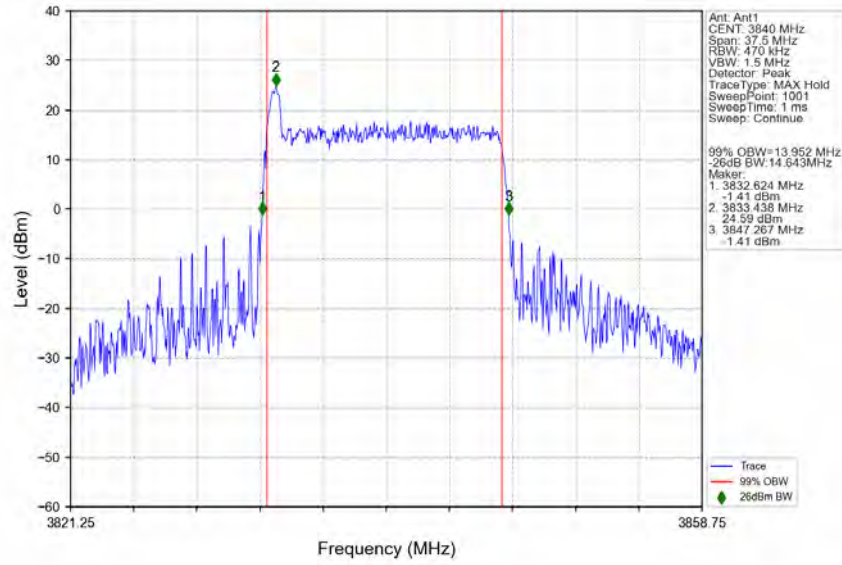
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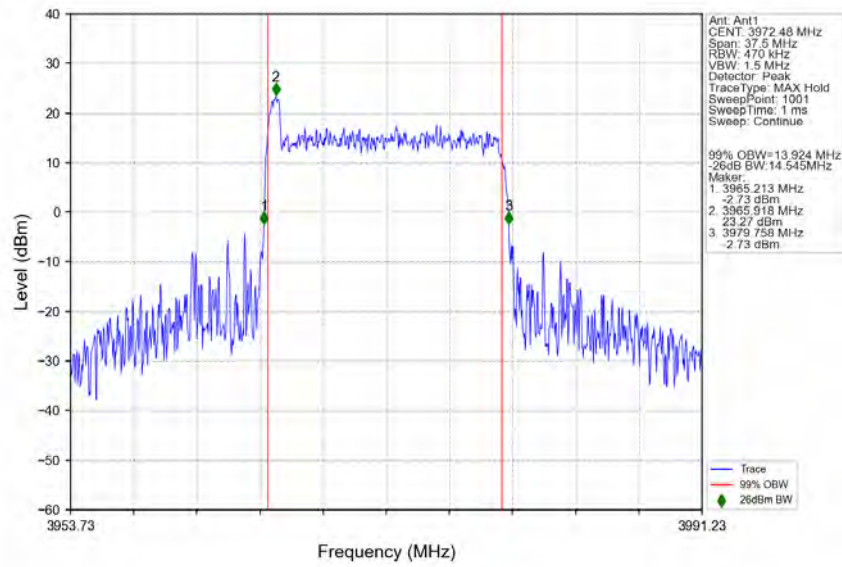
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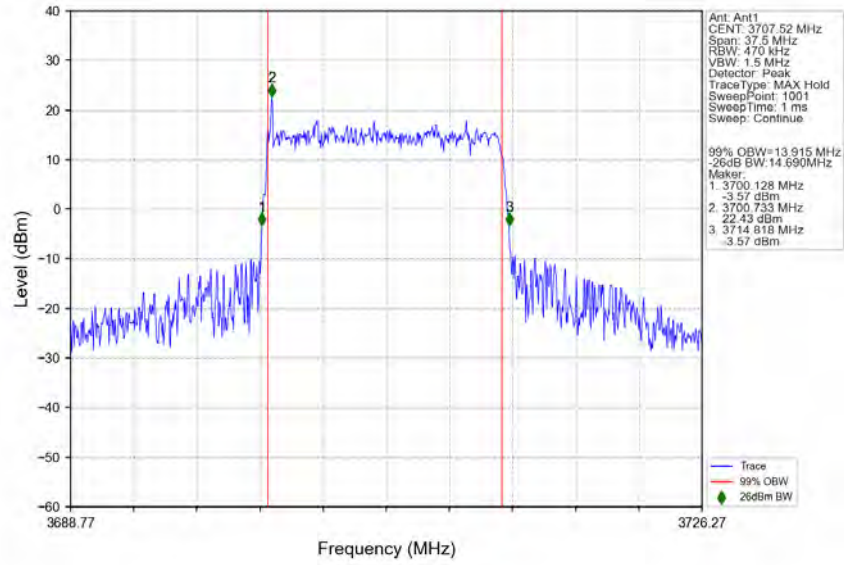
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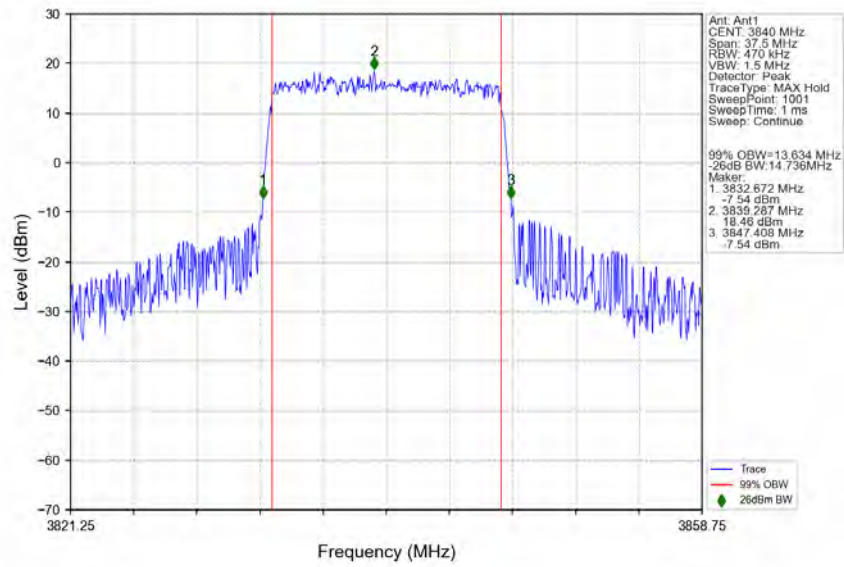
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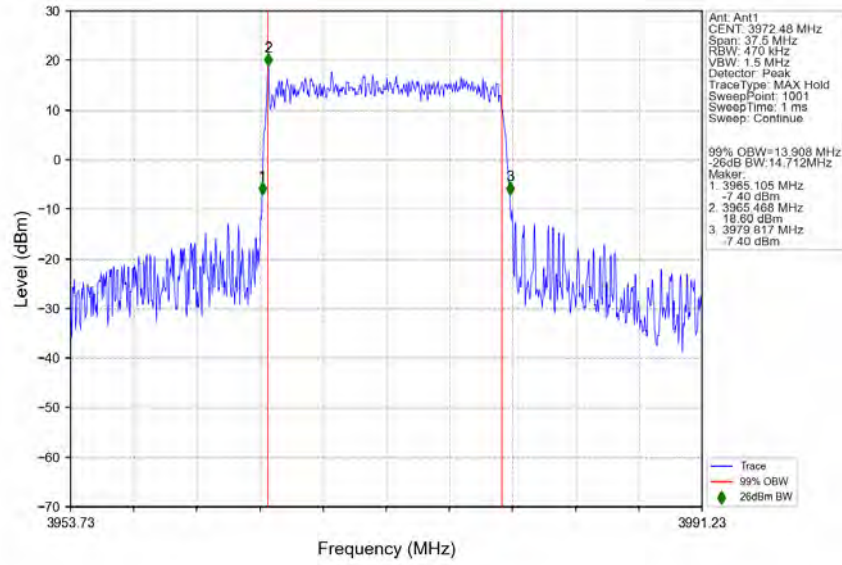
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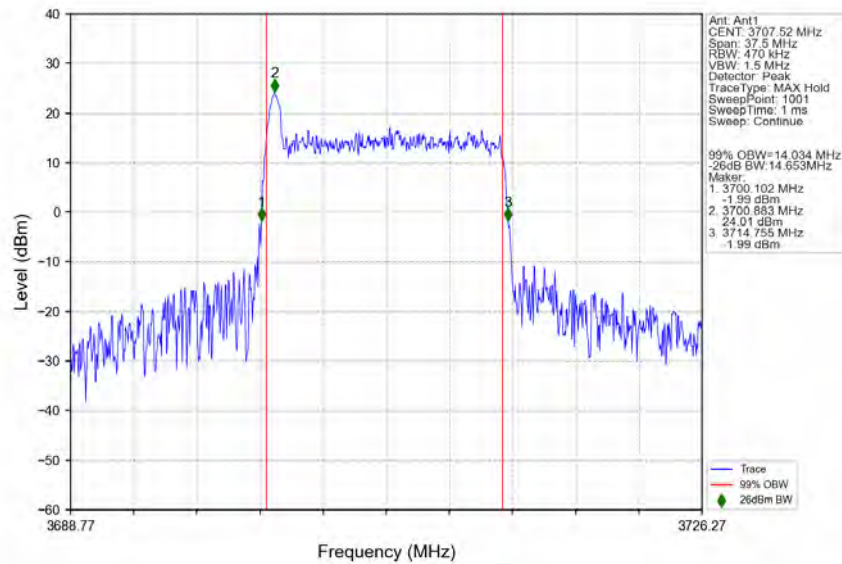
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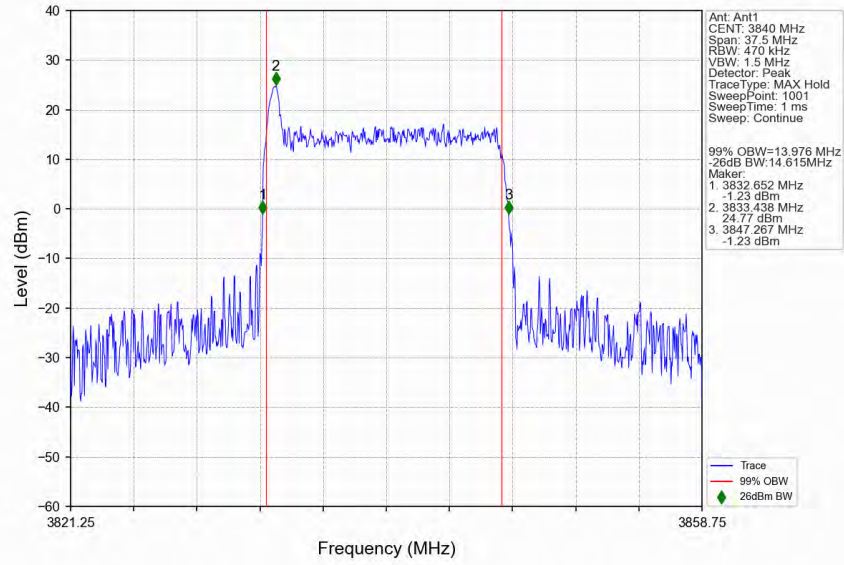
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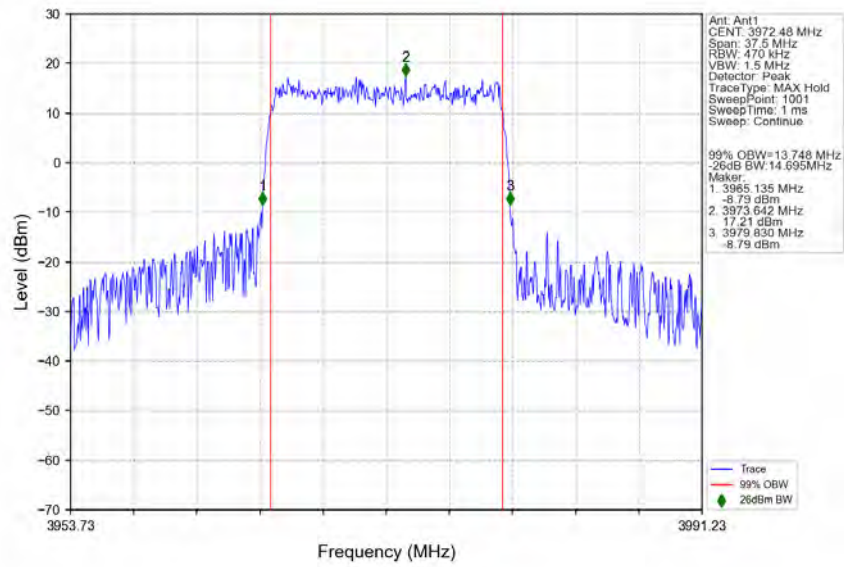
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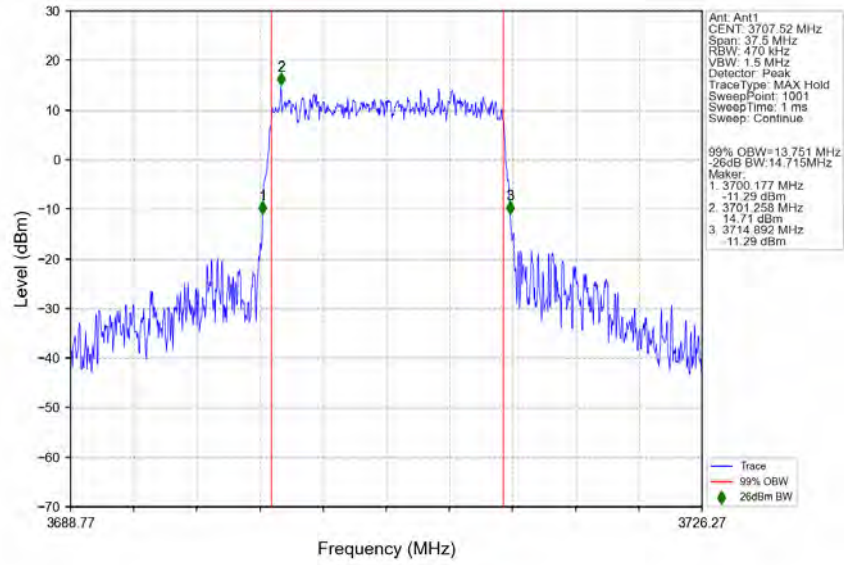
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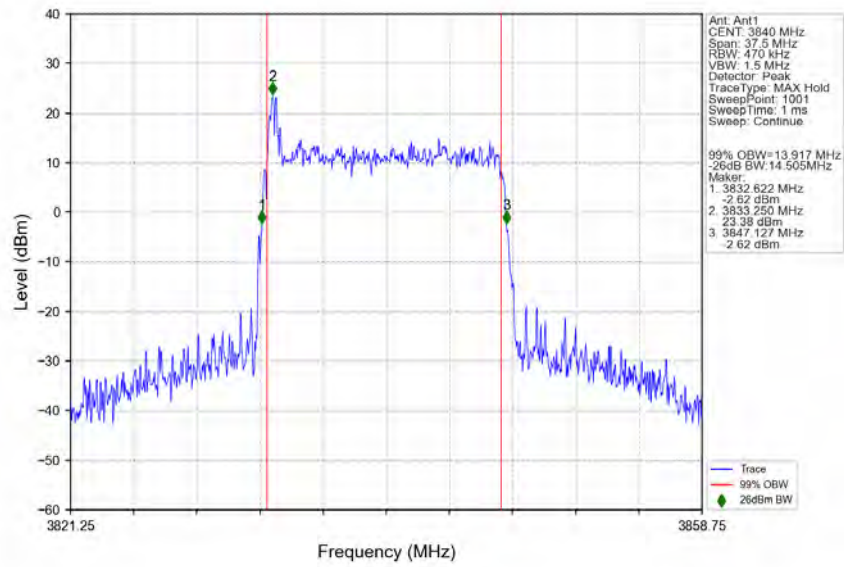
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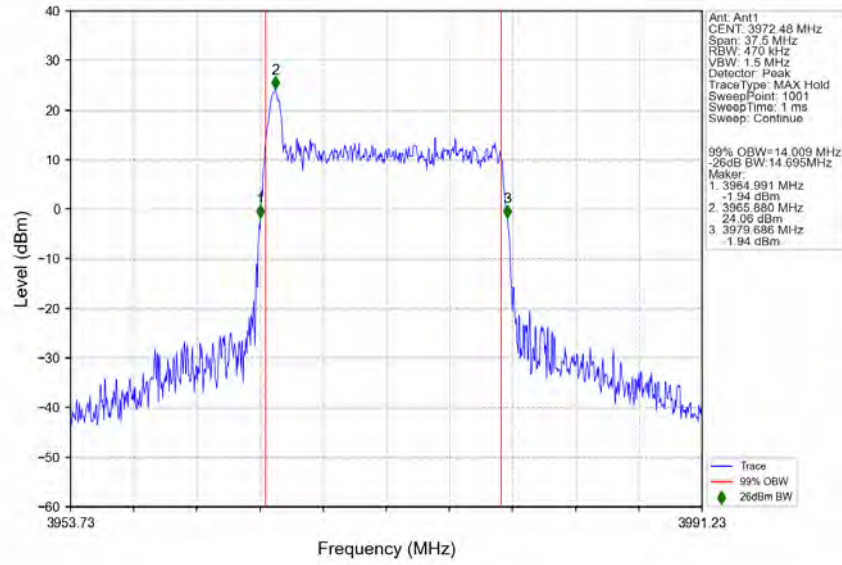
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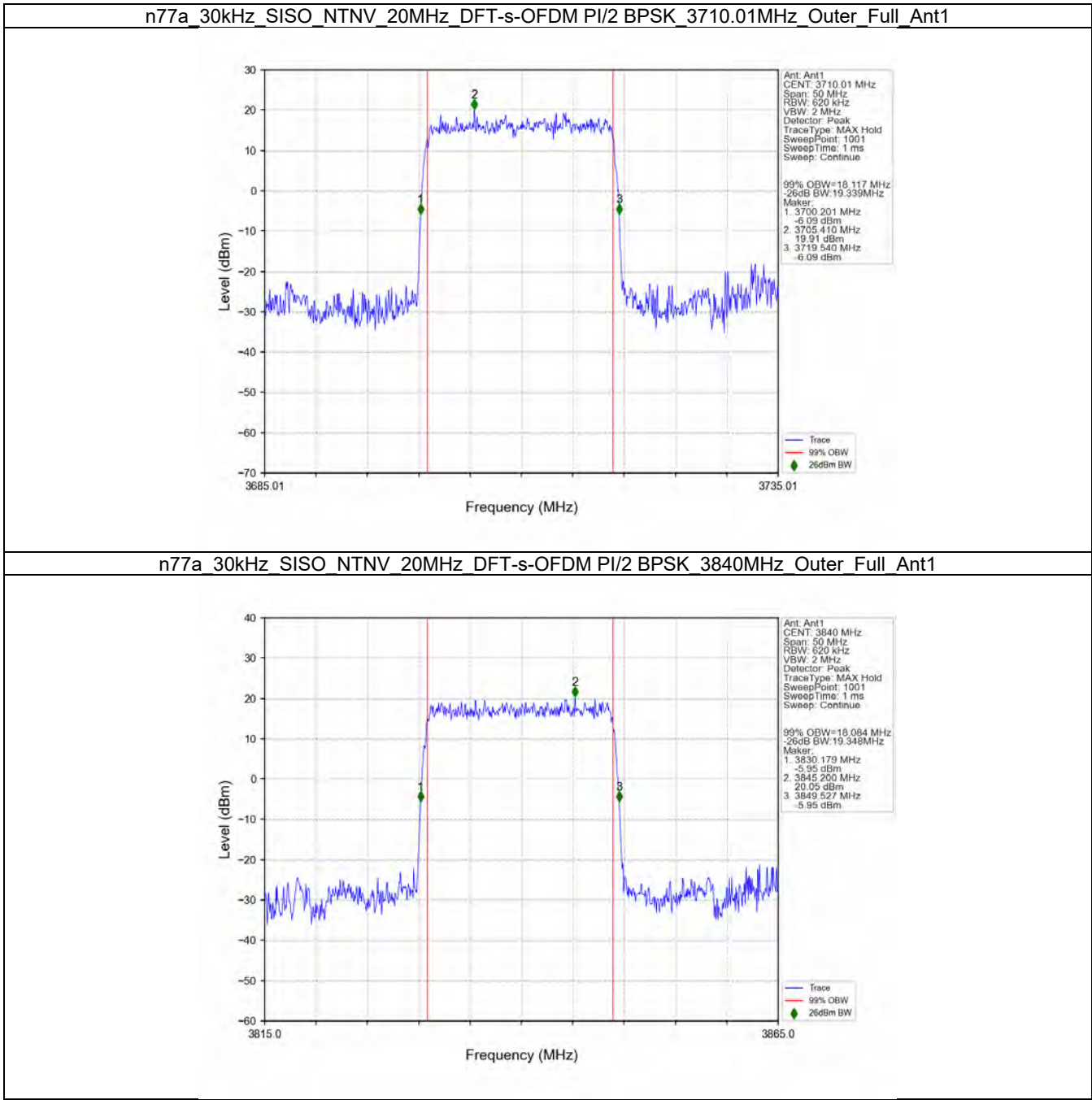
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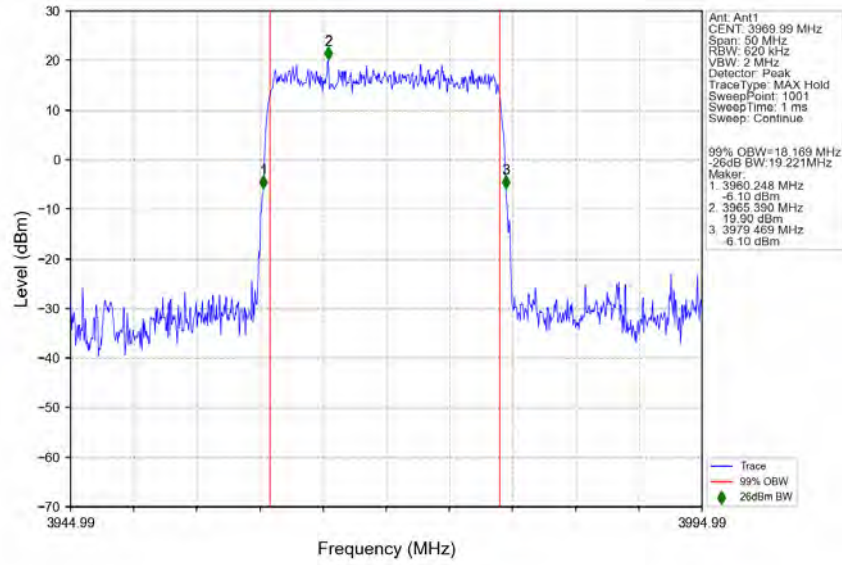
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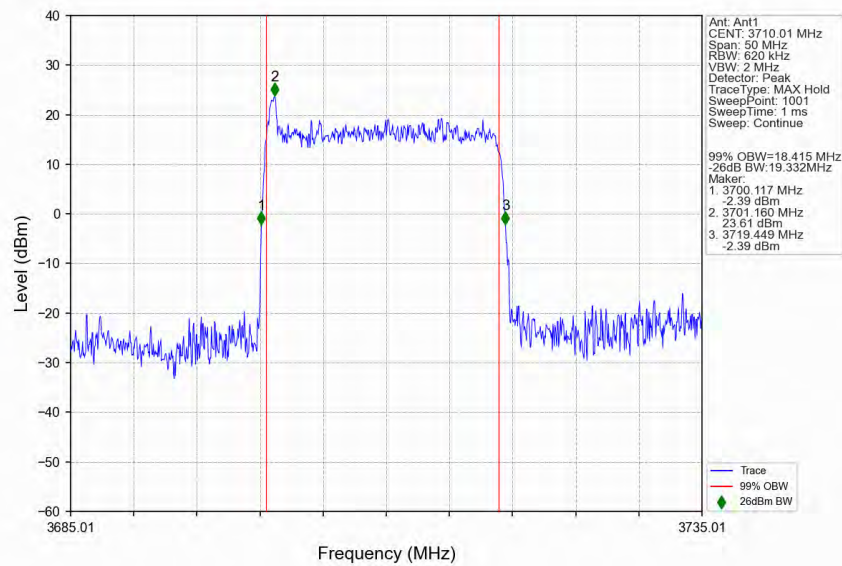
3.2.3 30k_SISO_20MHz_NTNV



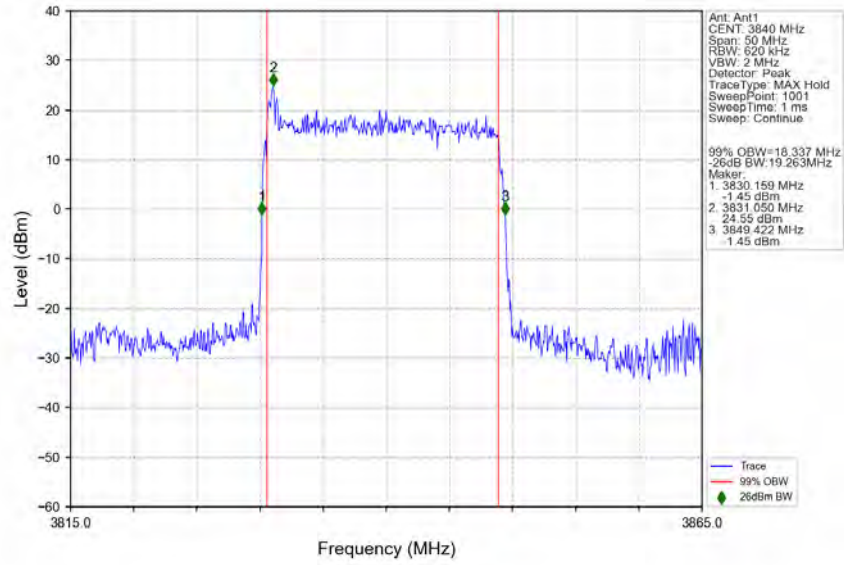
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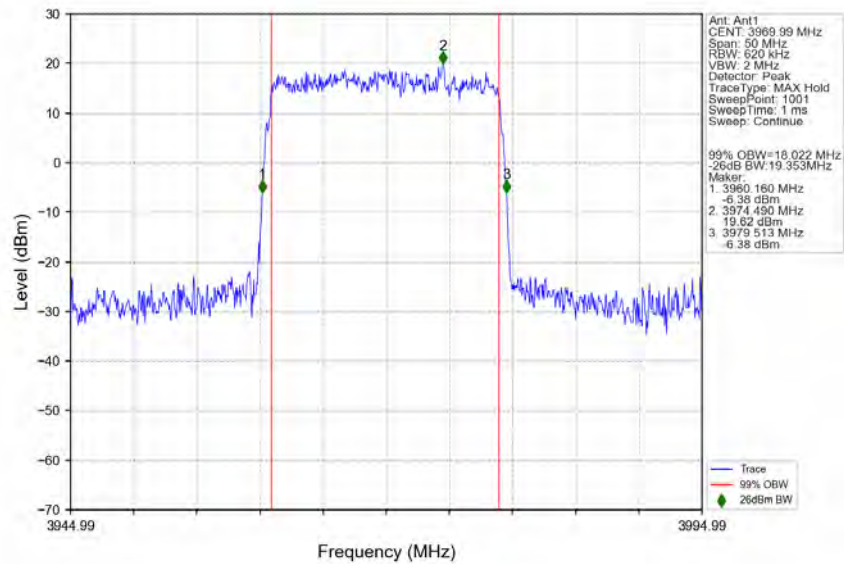
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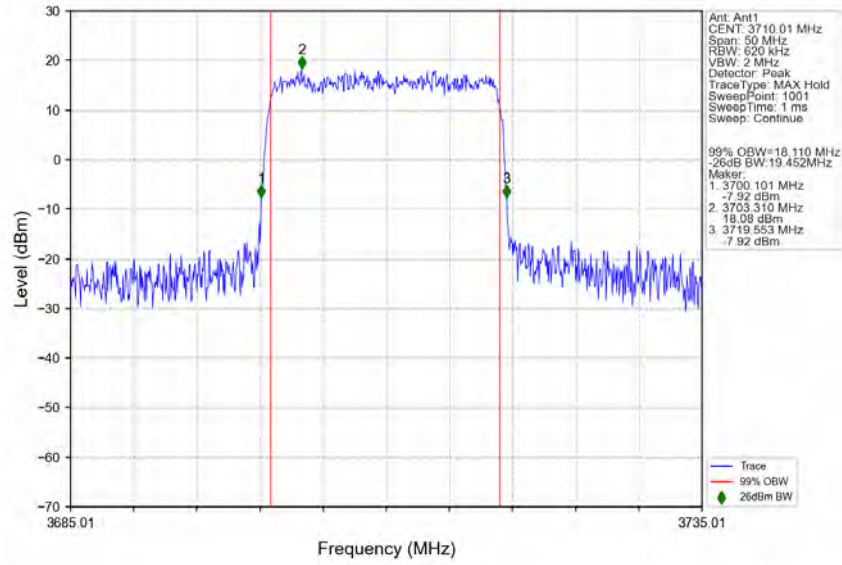
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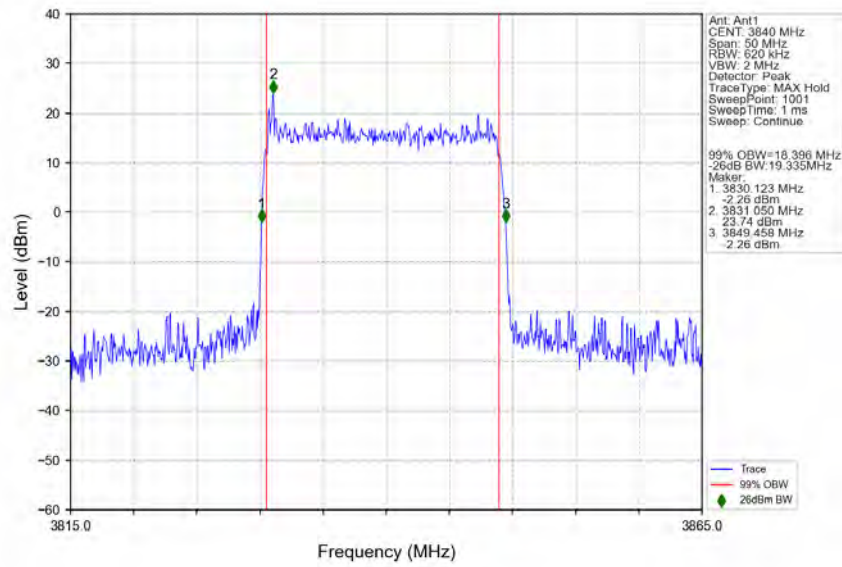
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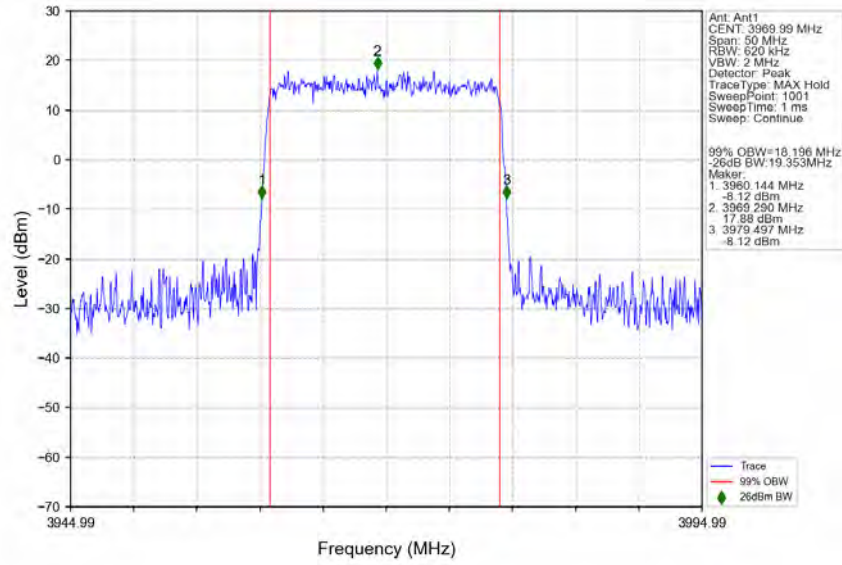
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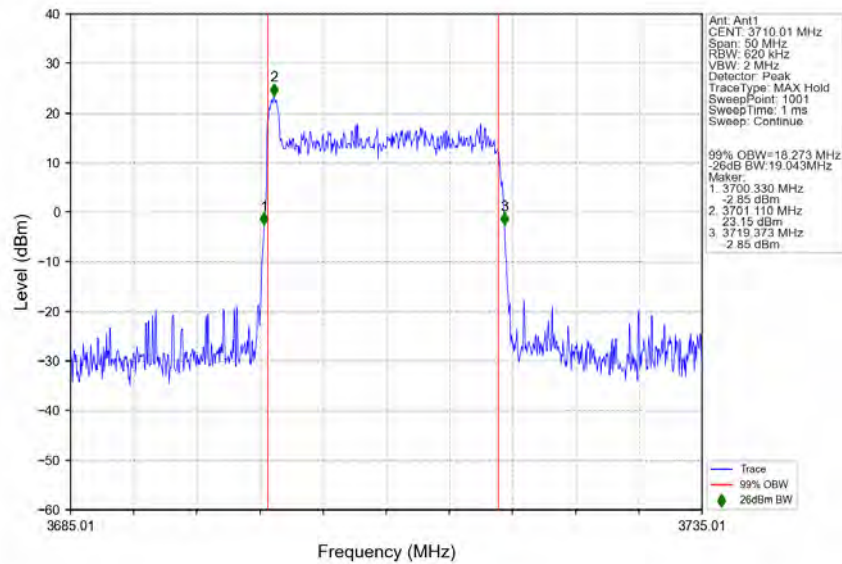
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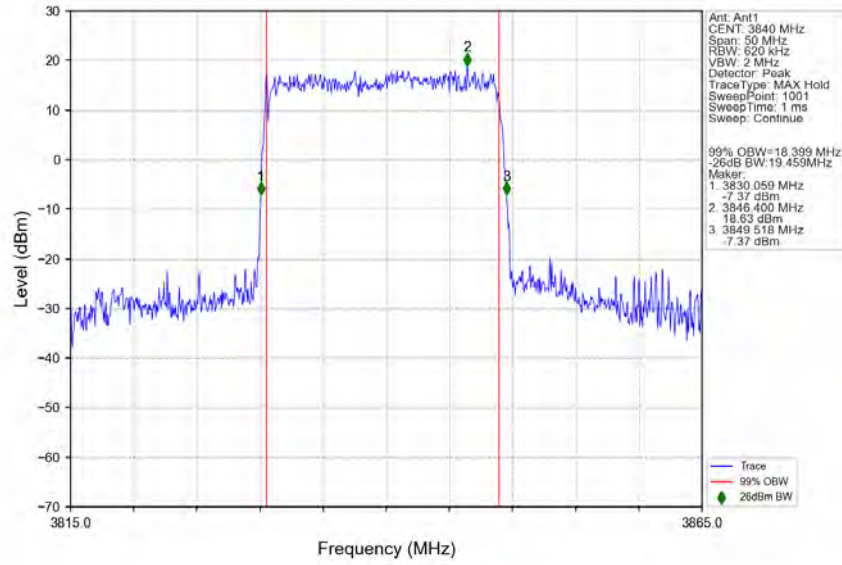
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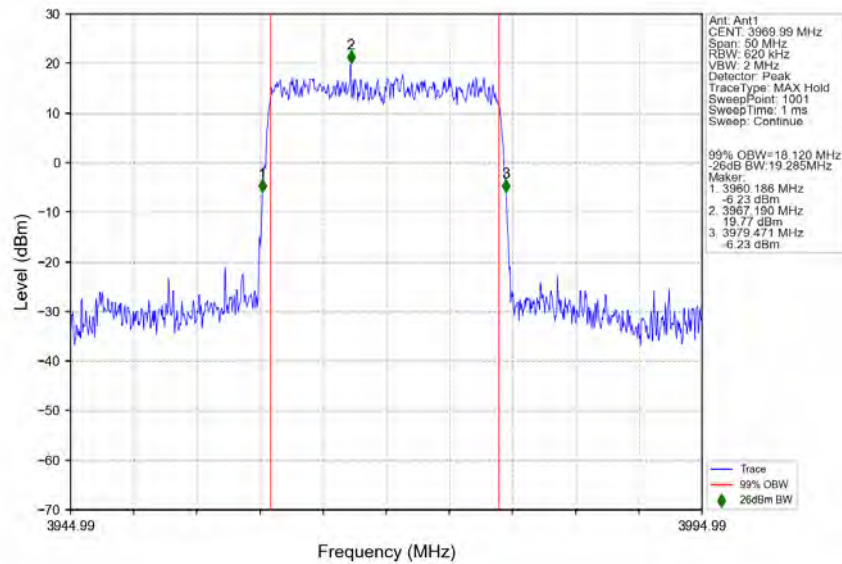
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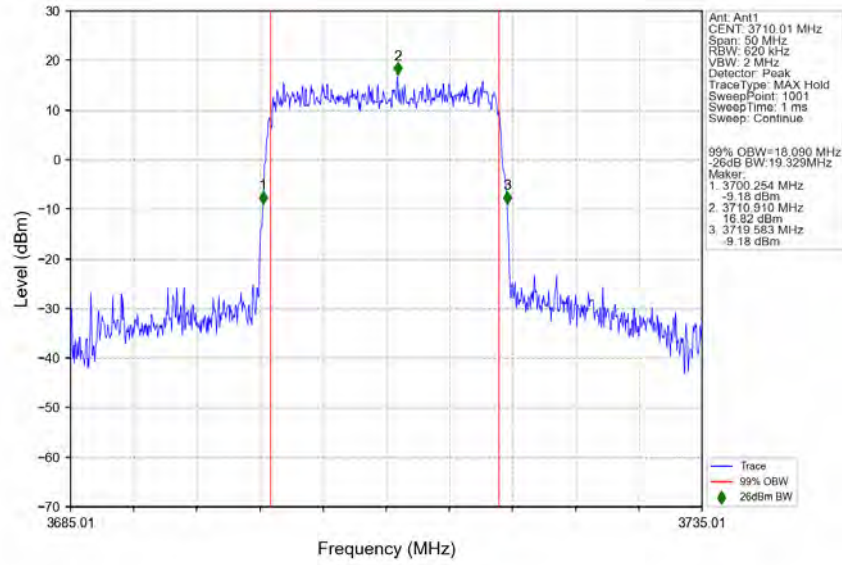
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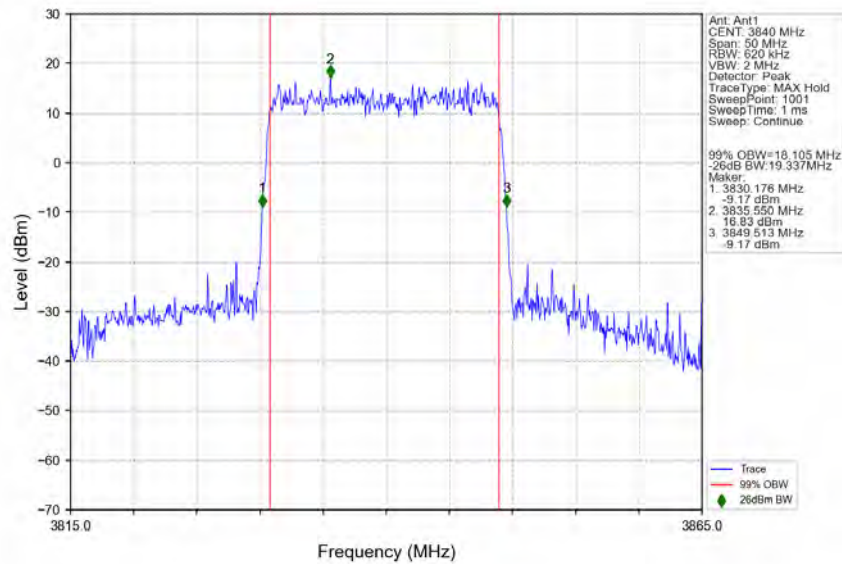
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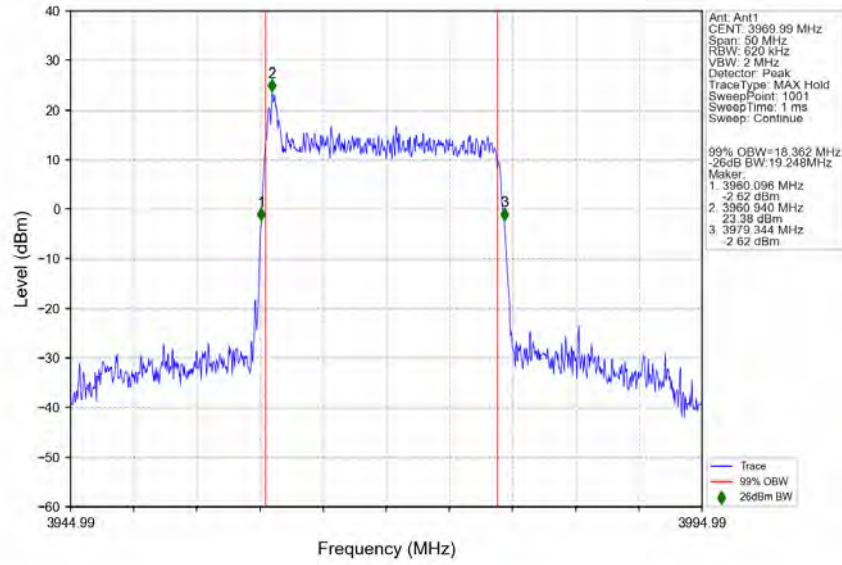
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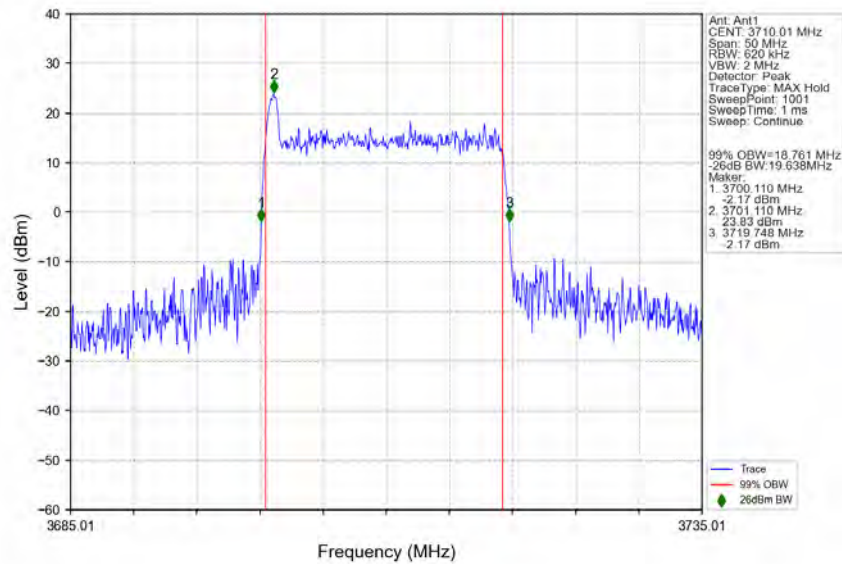
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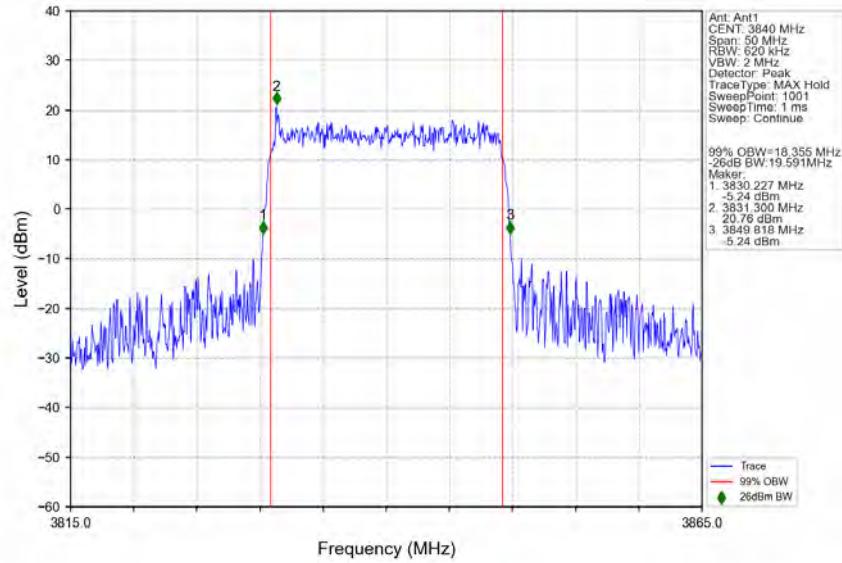
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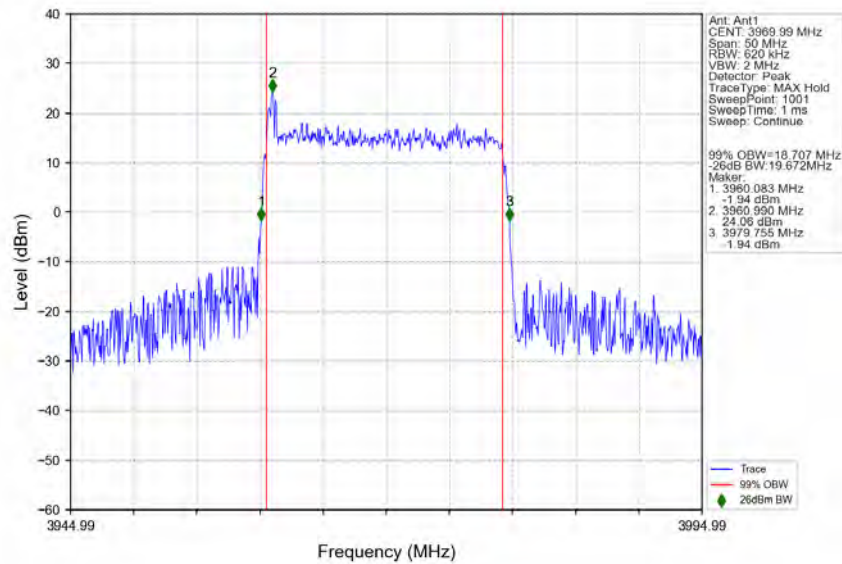
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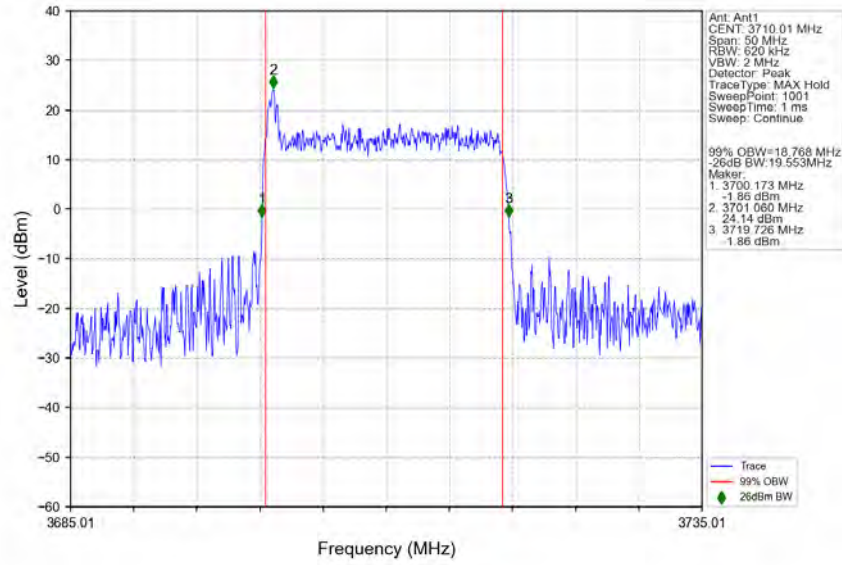
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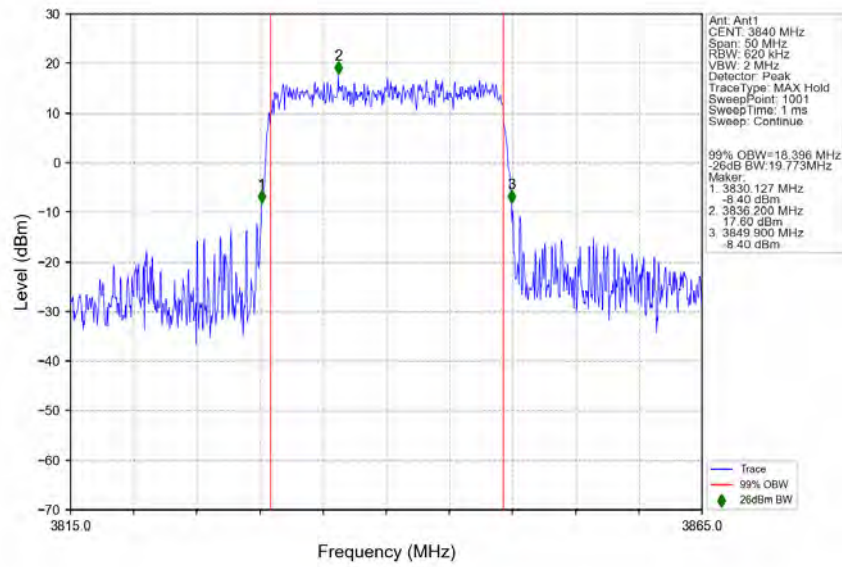
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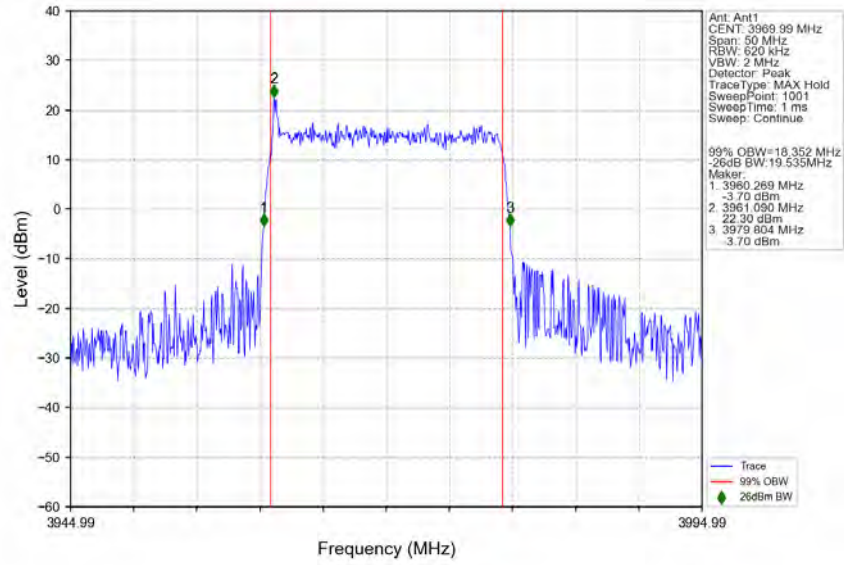
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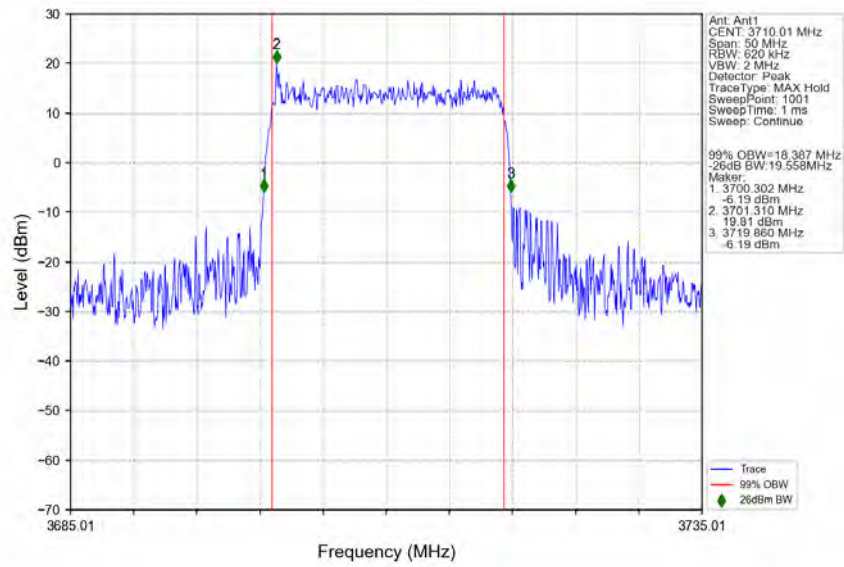
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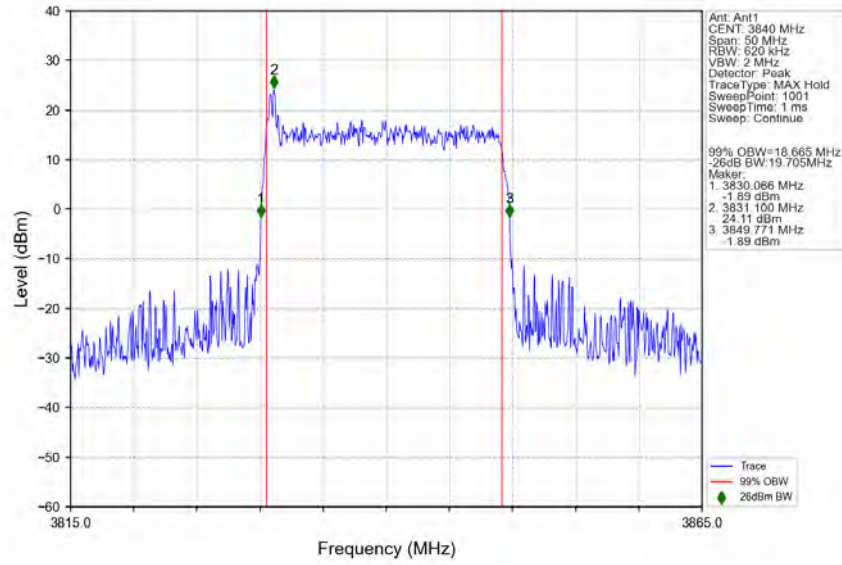
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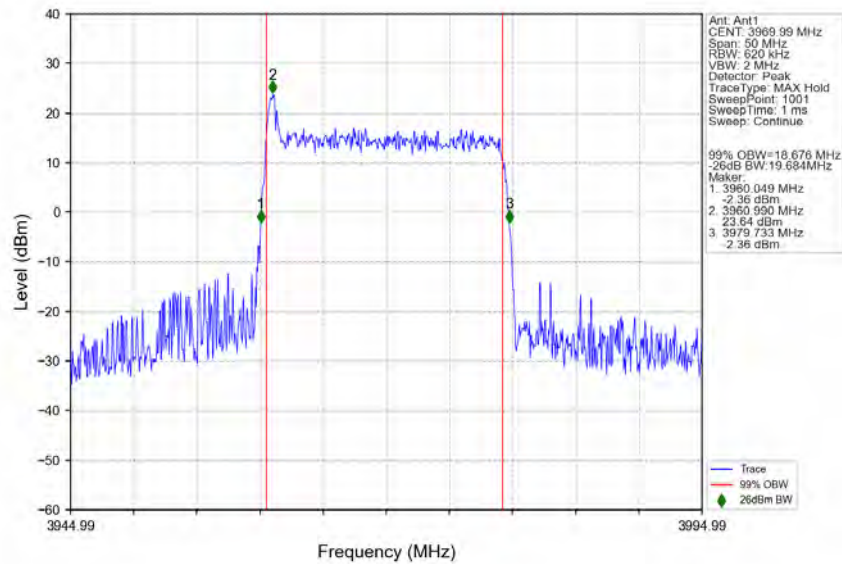
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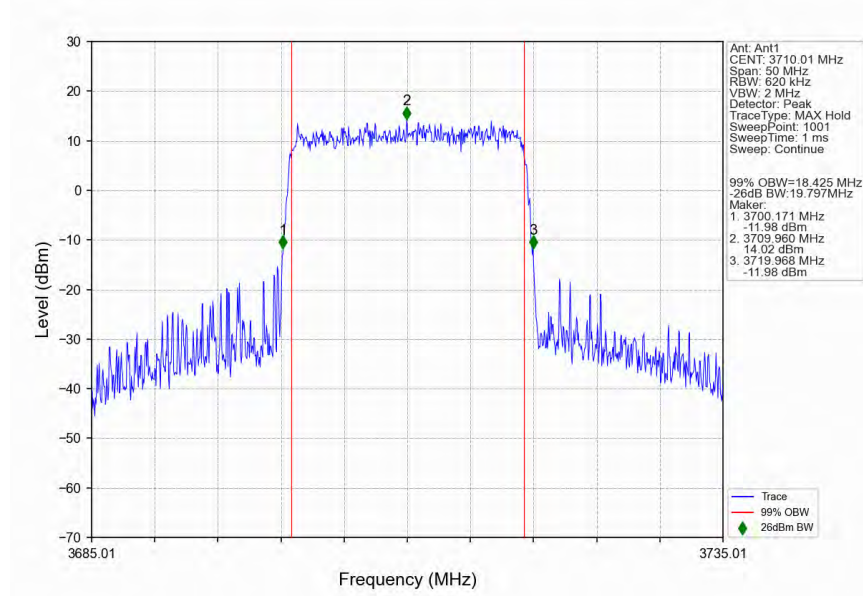
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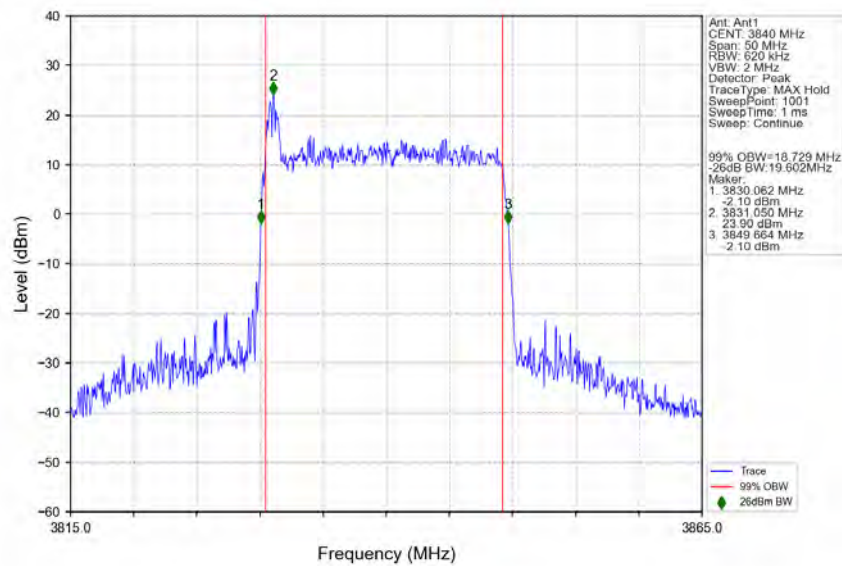
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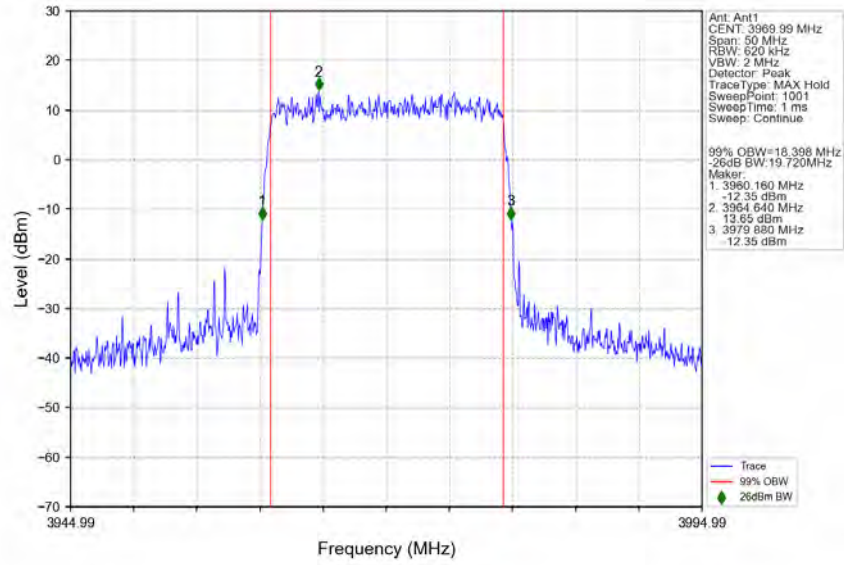
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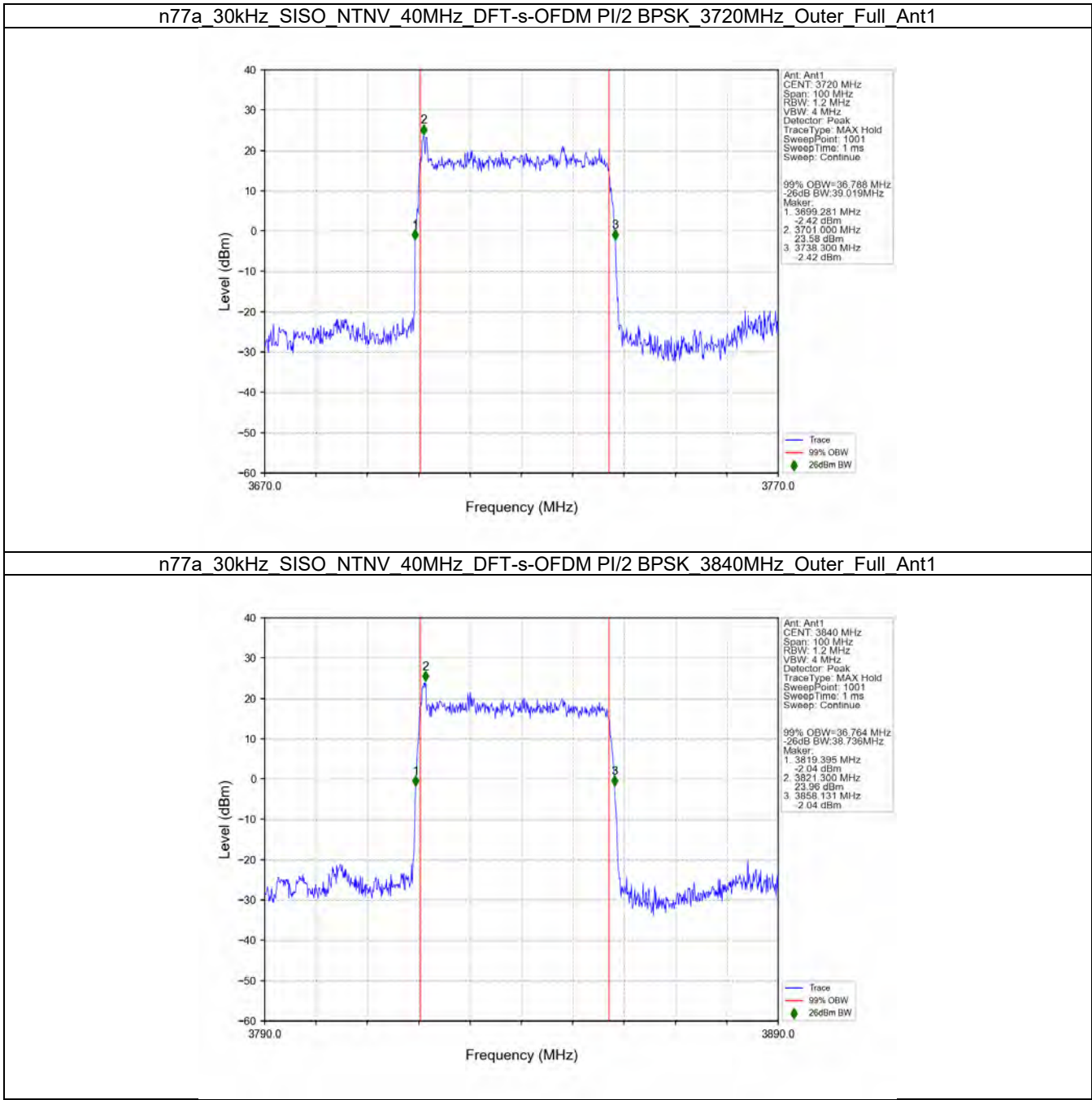
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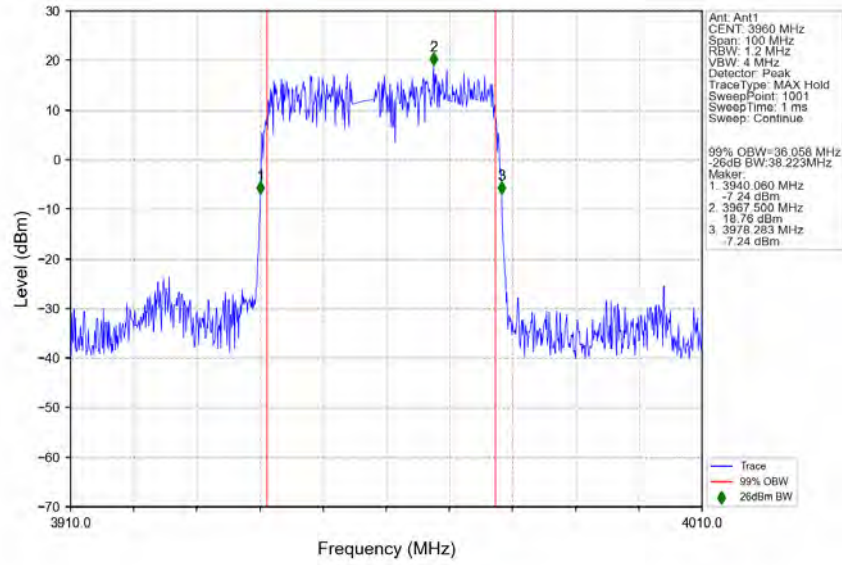
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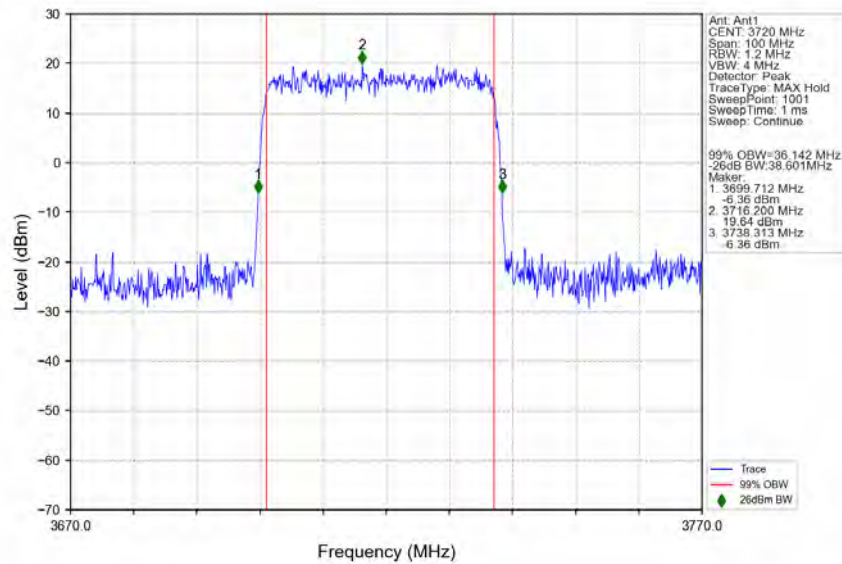
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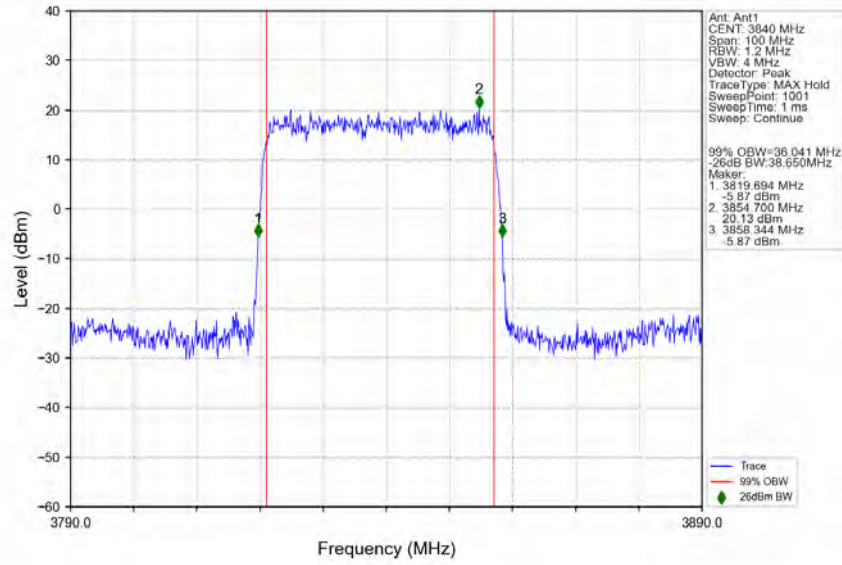
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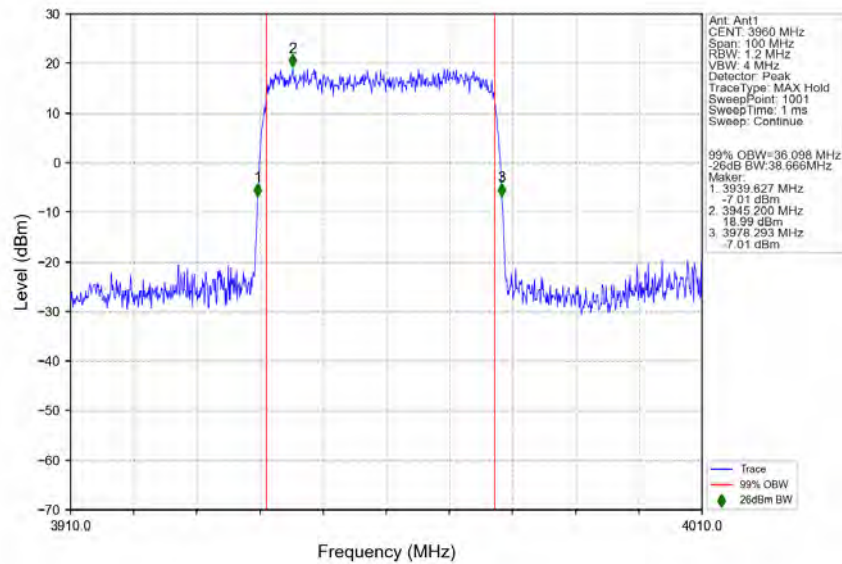
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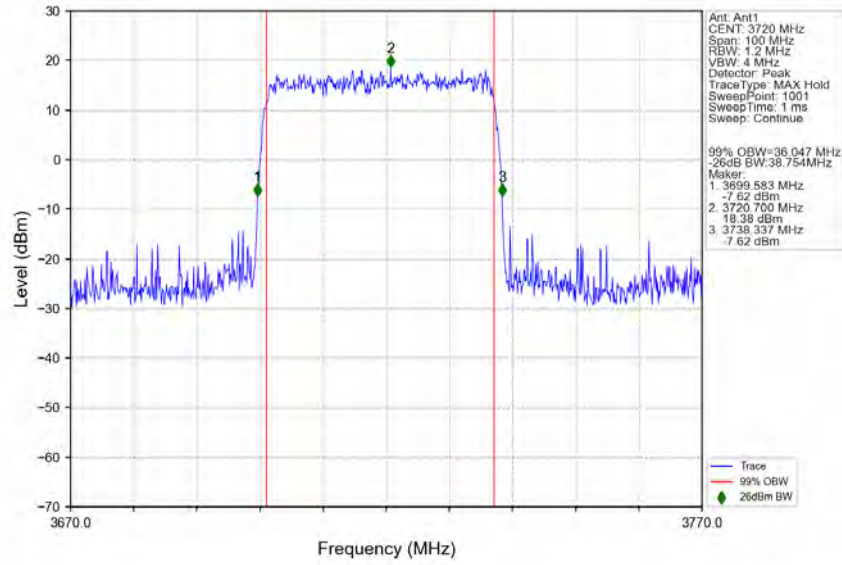
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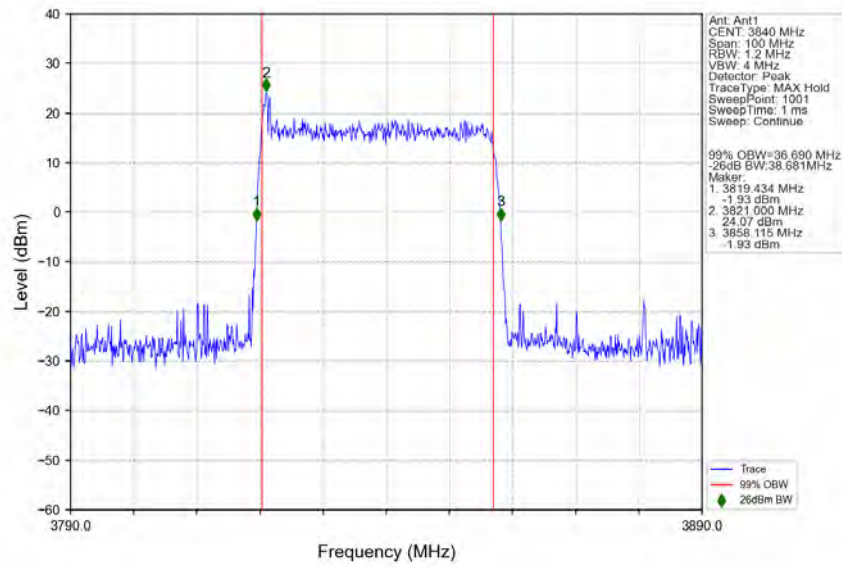
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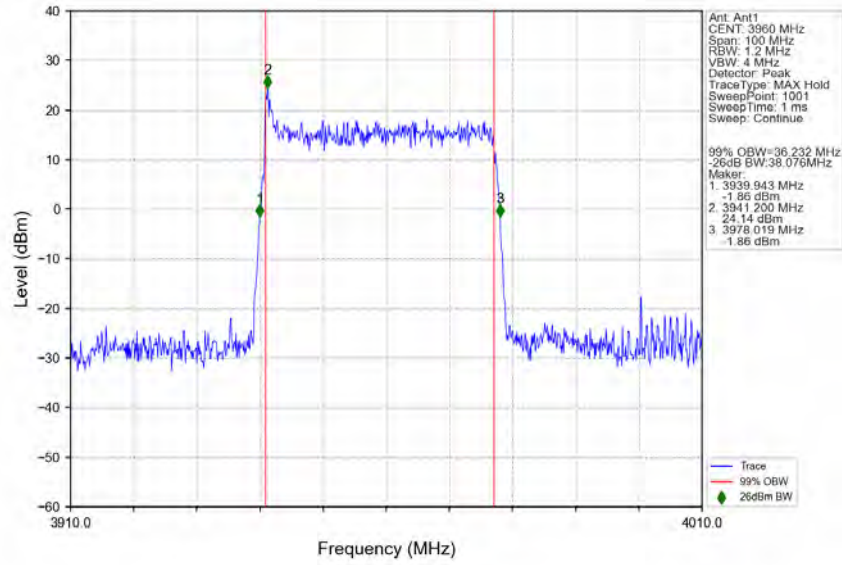
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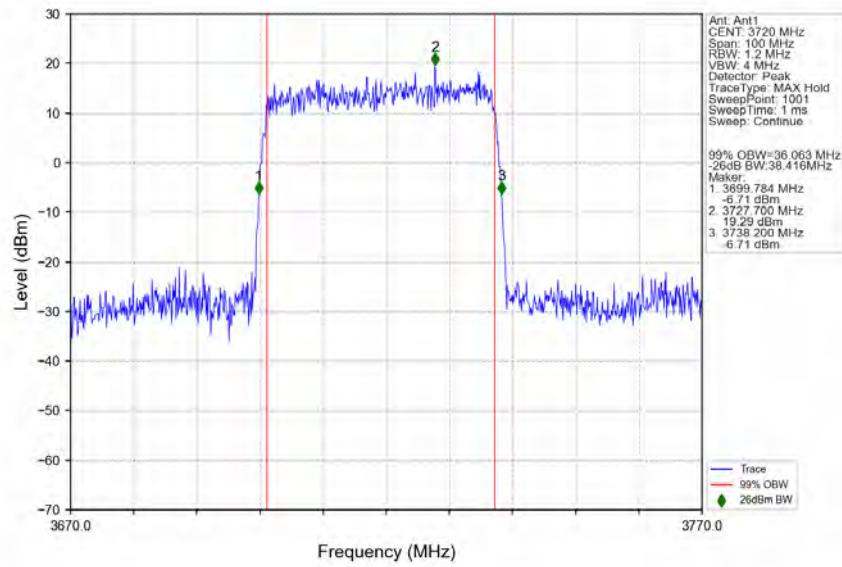
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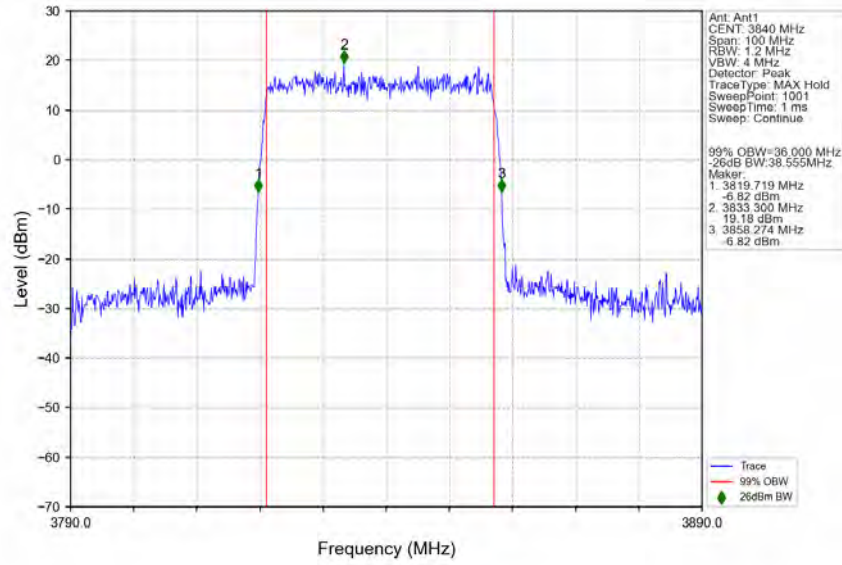
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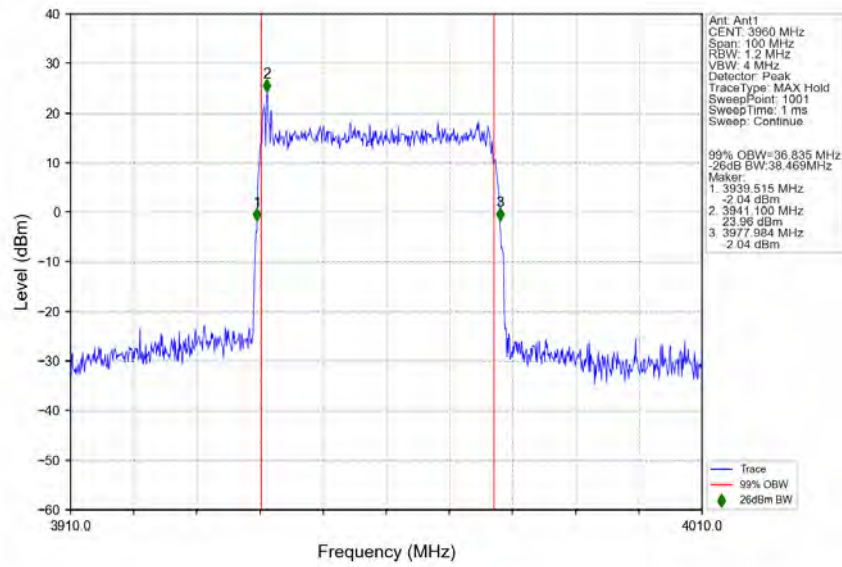
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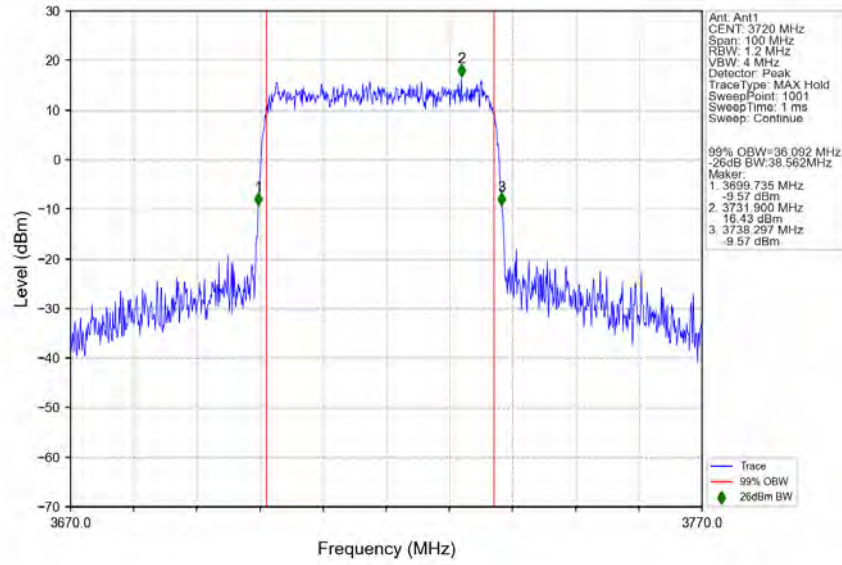
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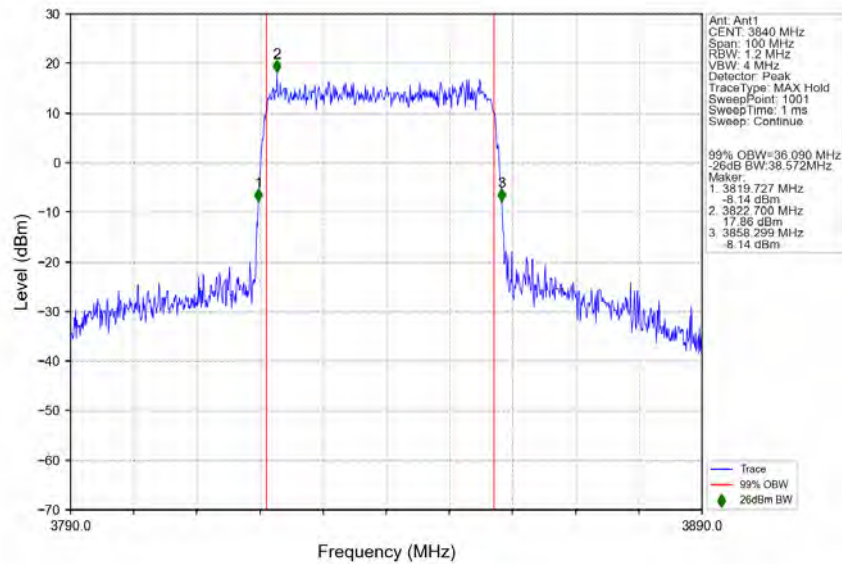
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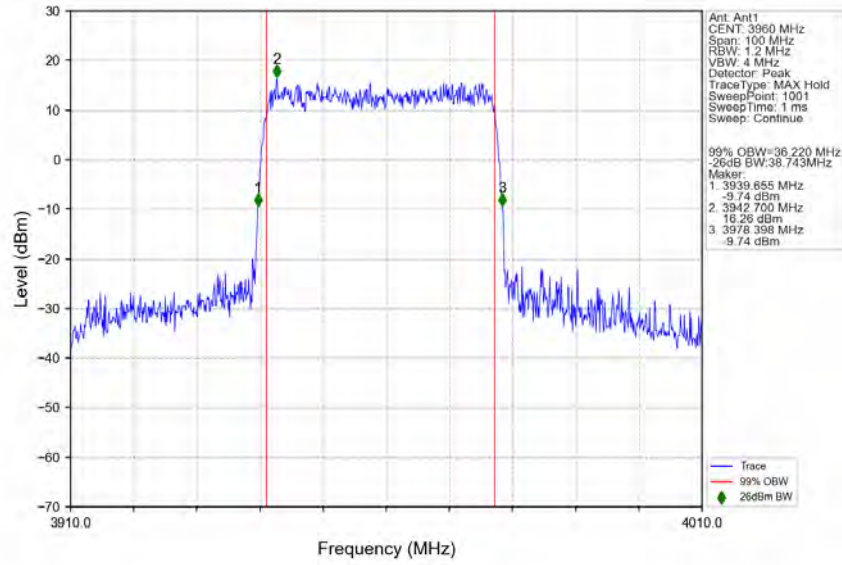
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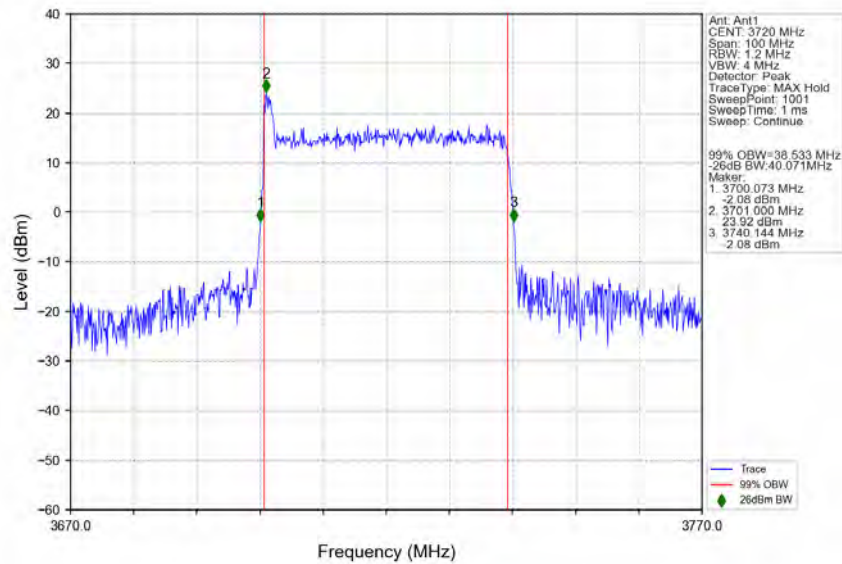
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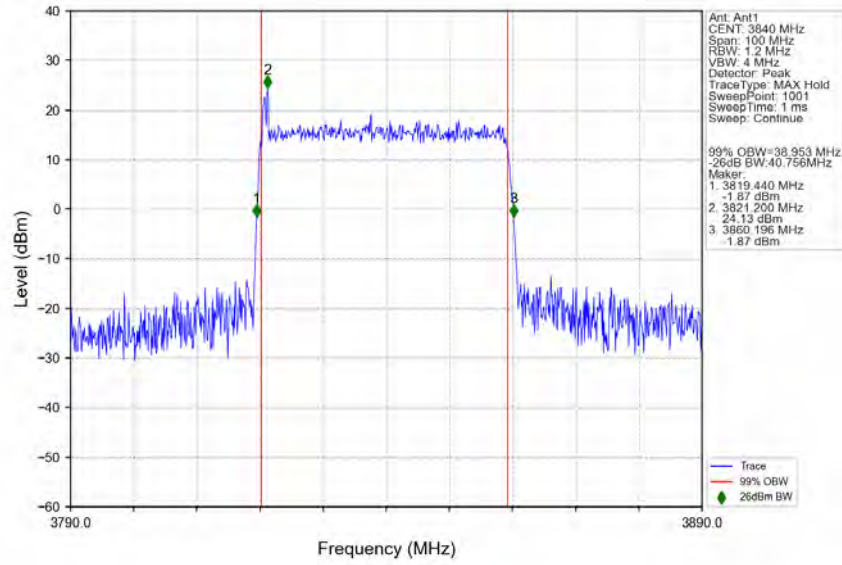
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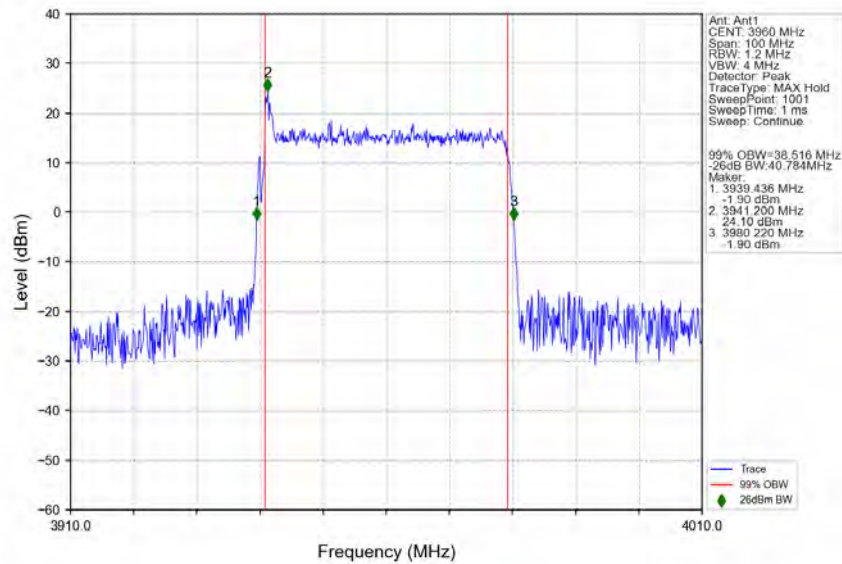
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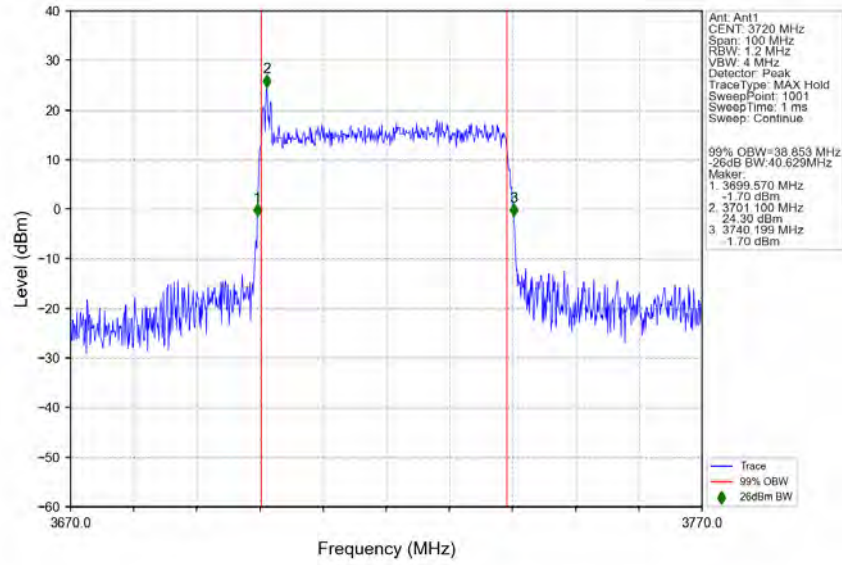
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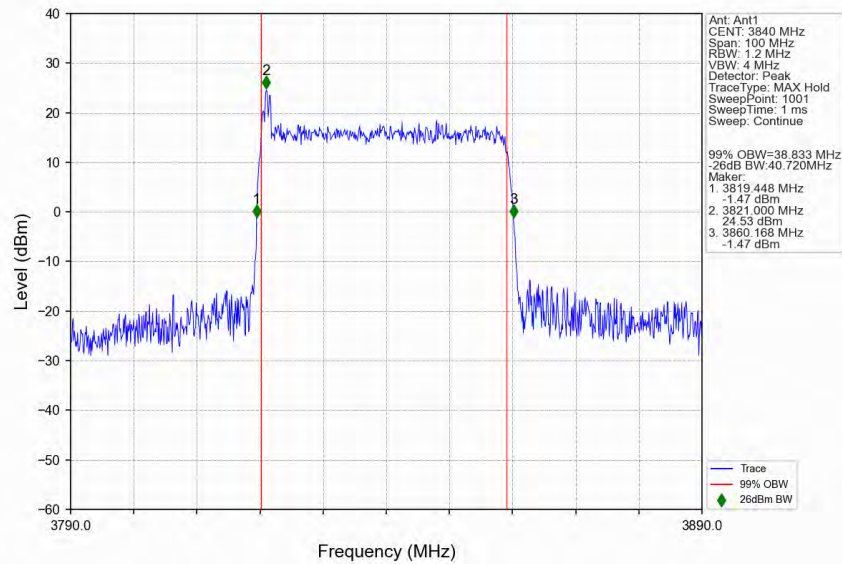
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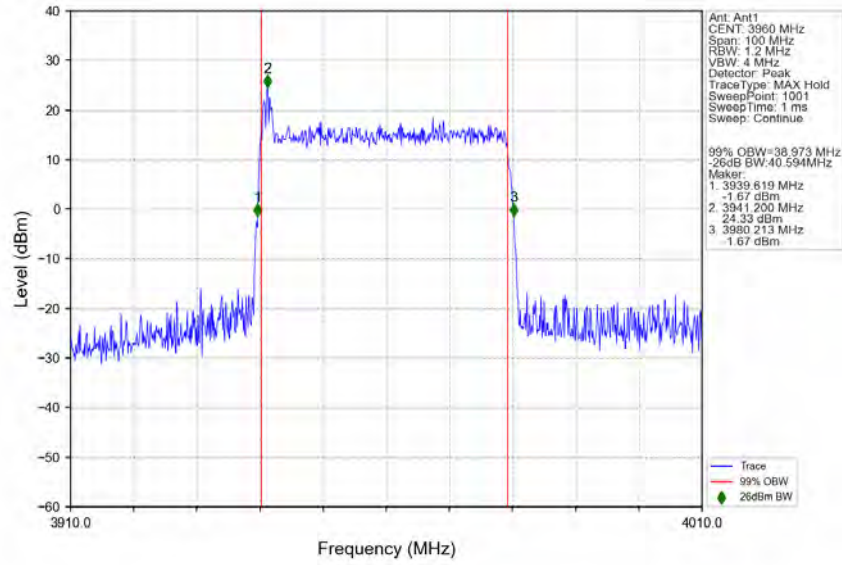
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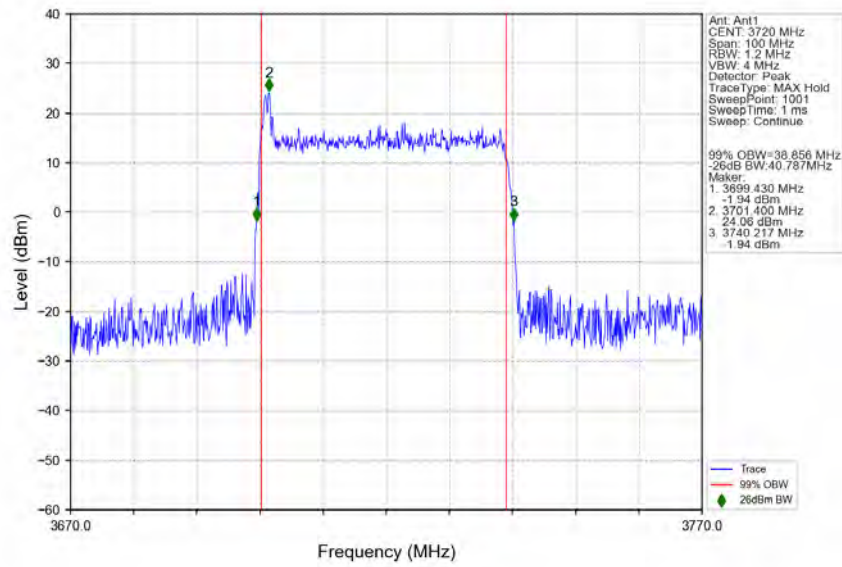
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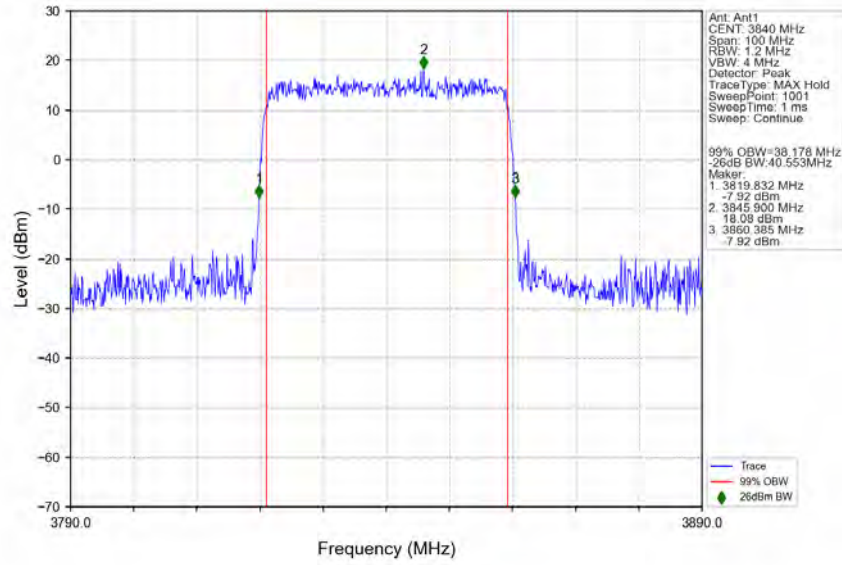
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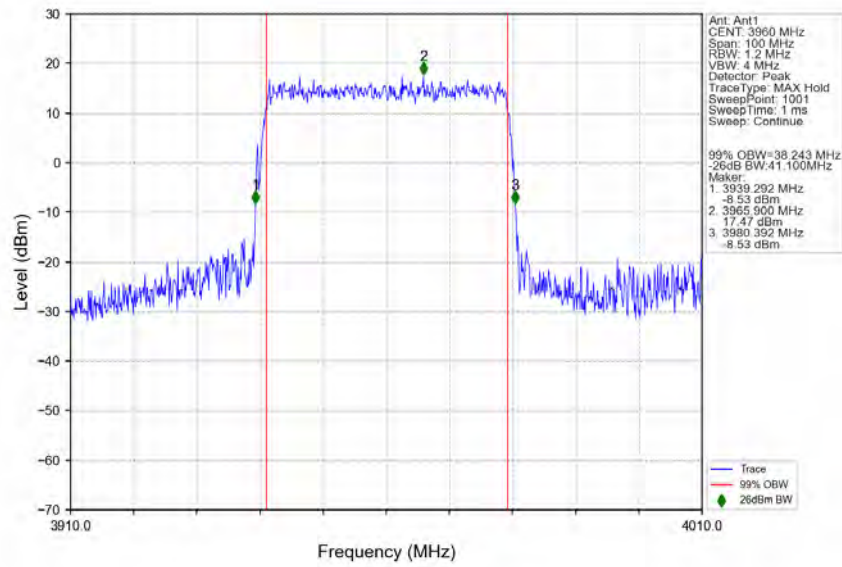
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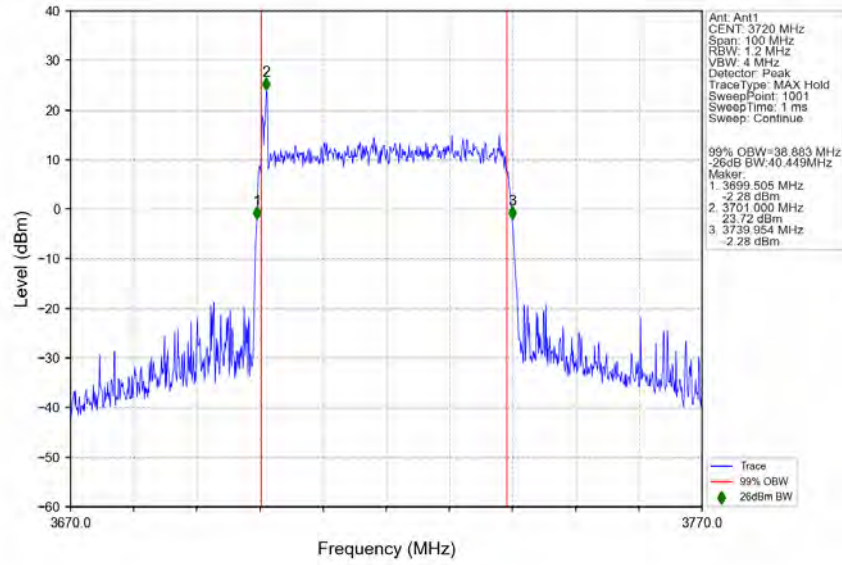
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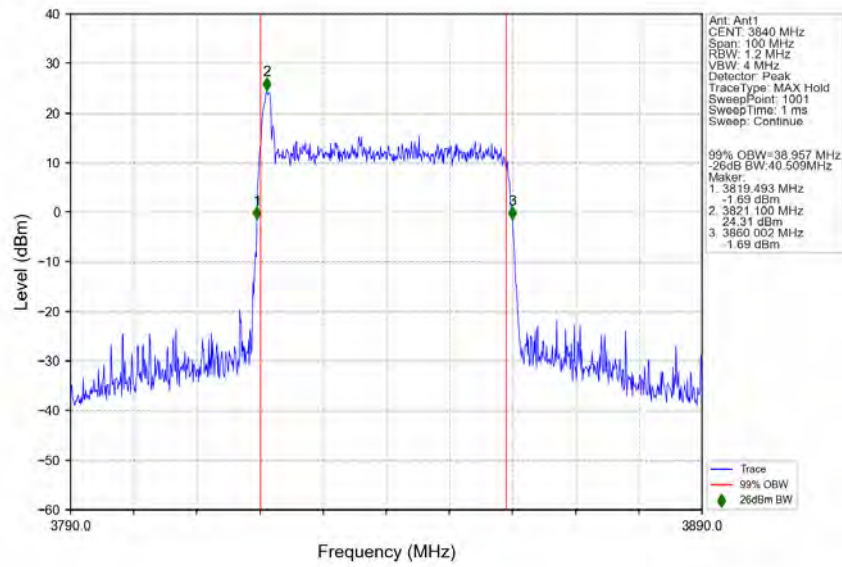
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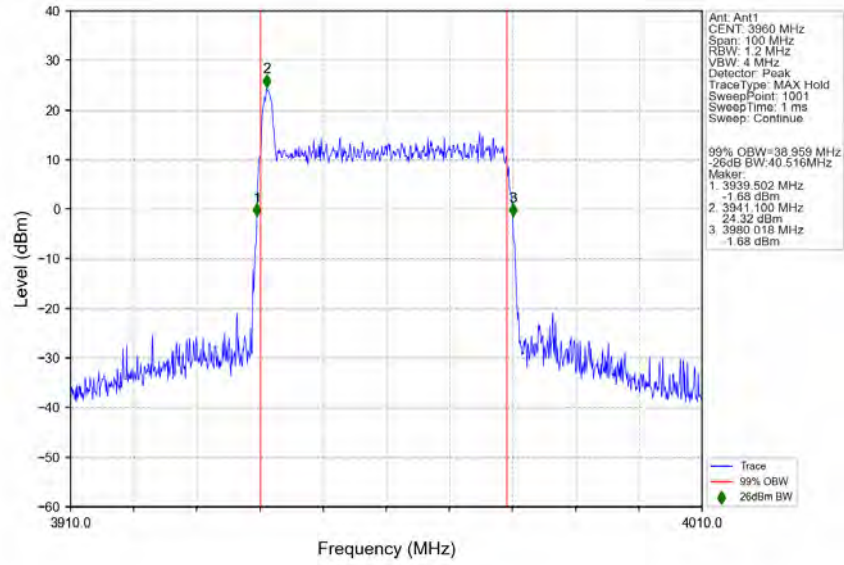
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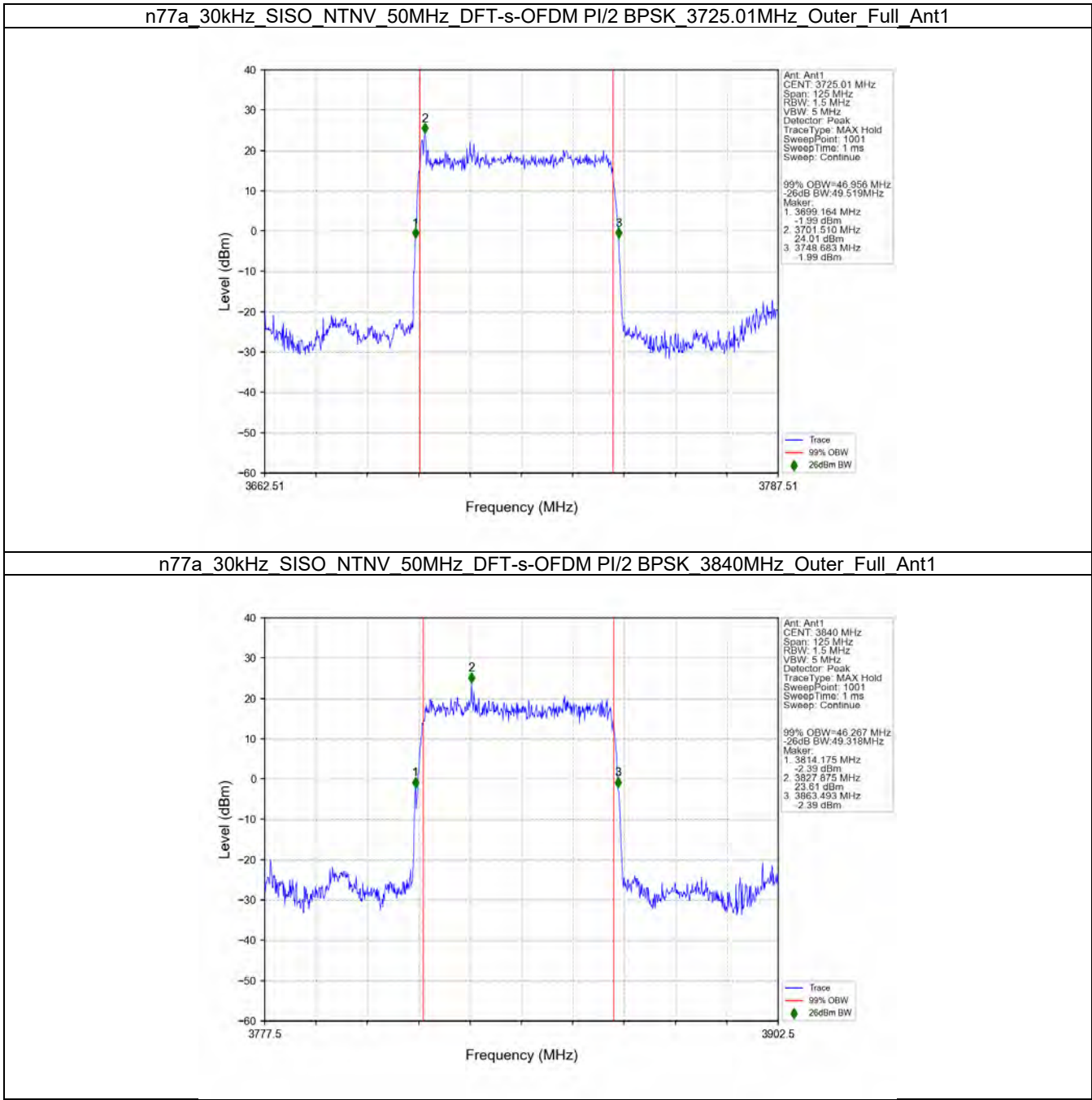
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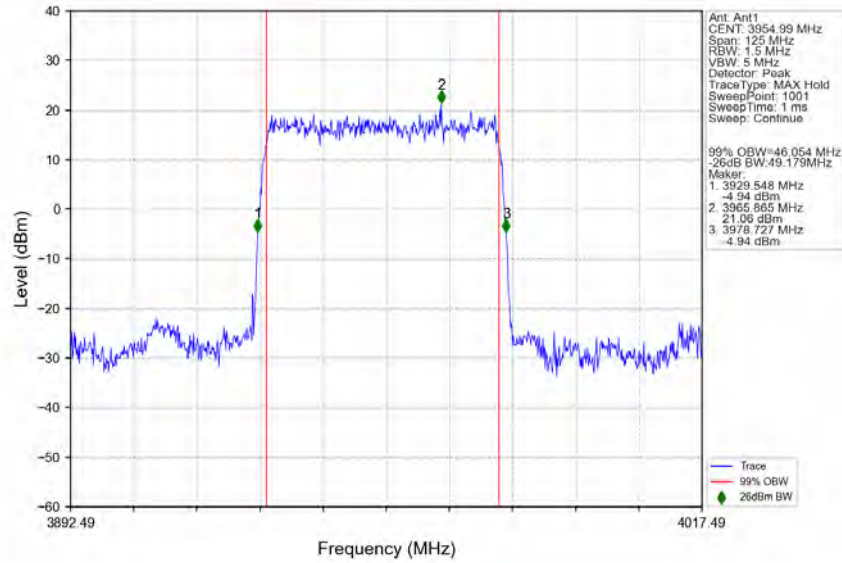
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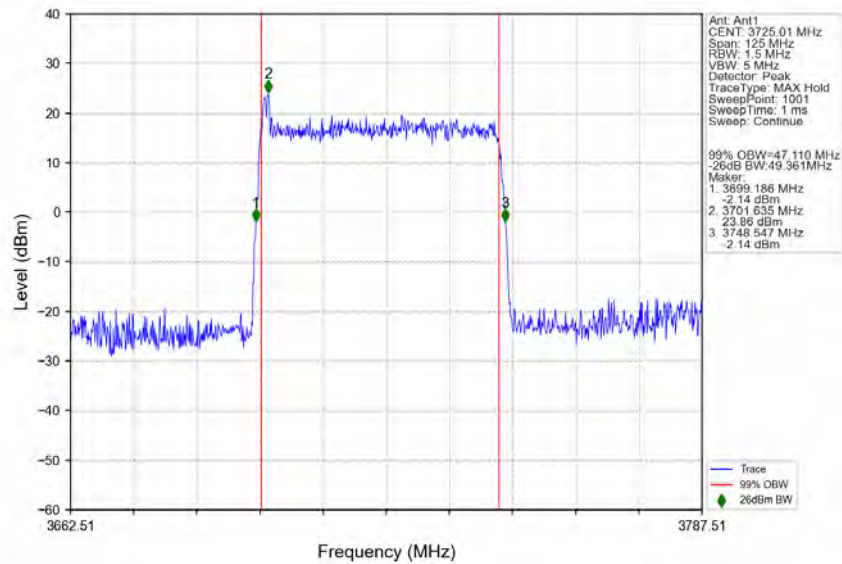
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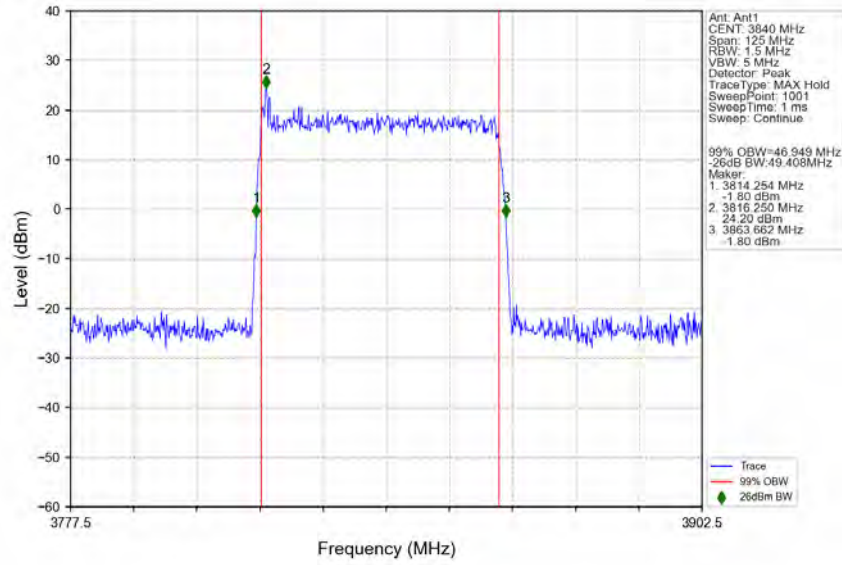
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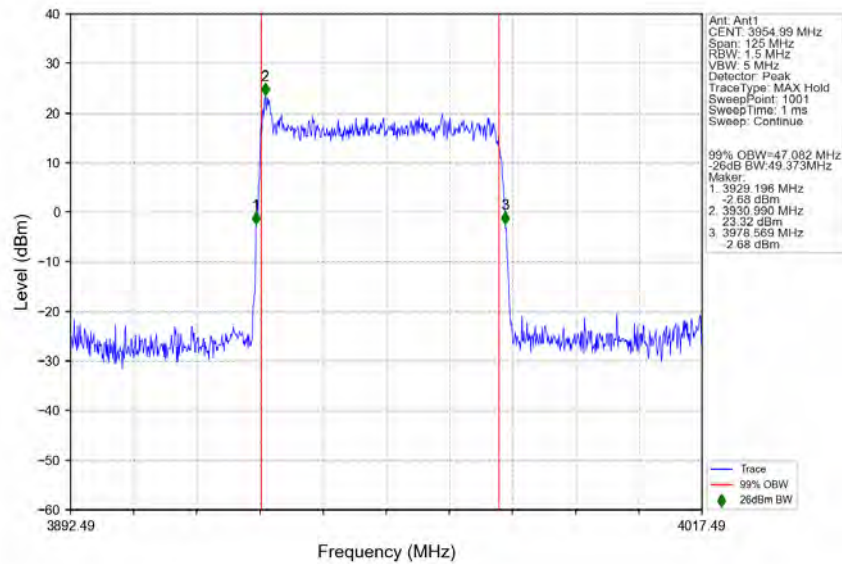
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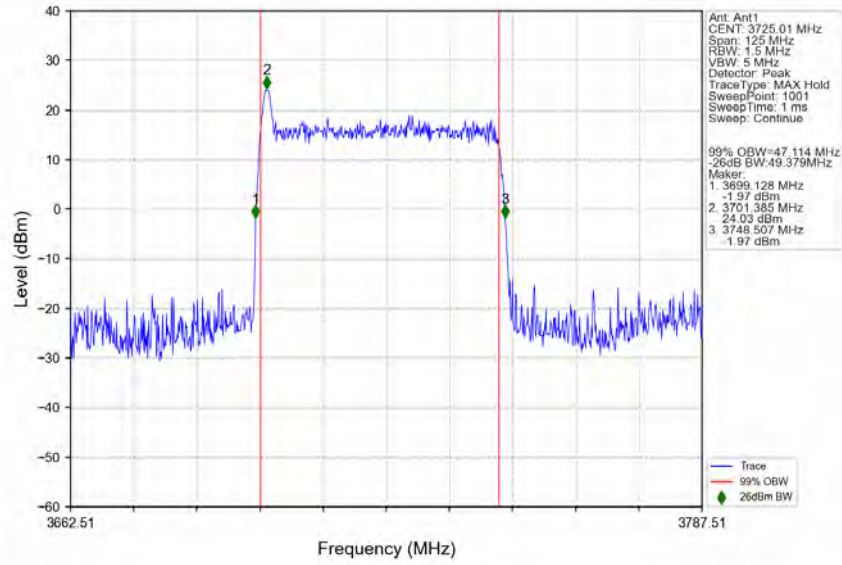
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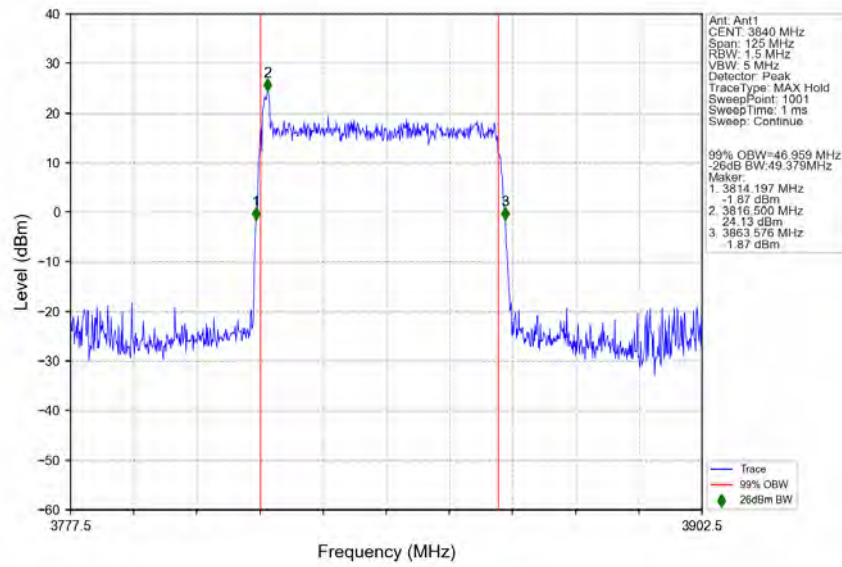
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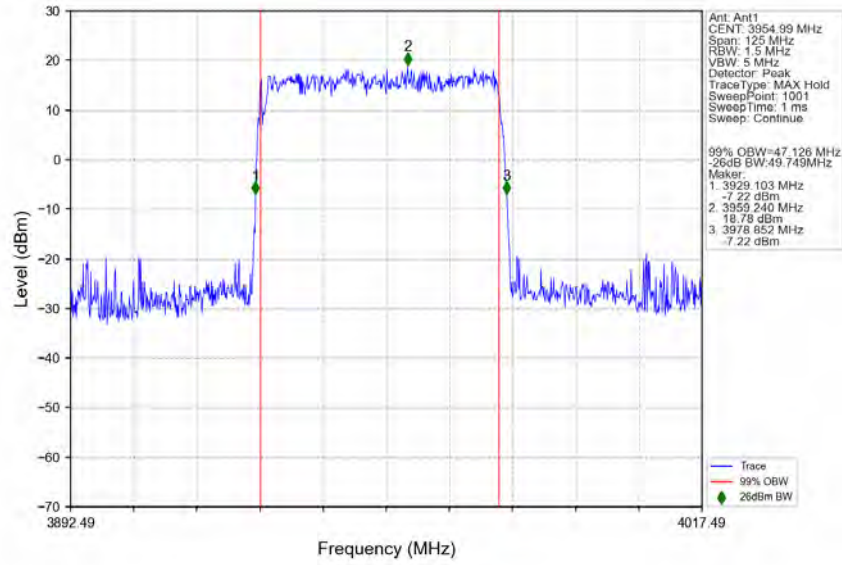
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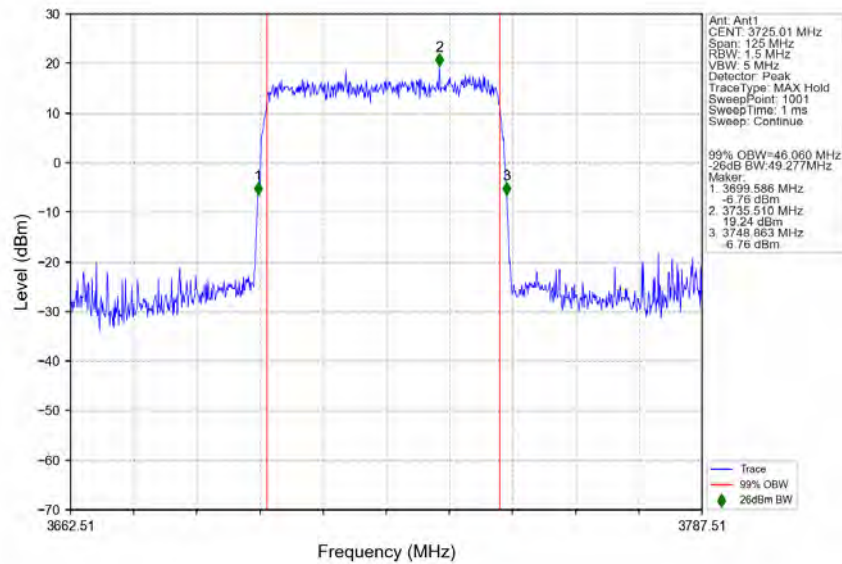
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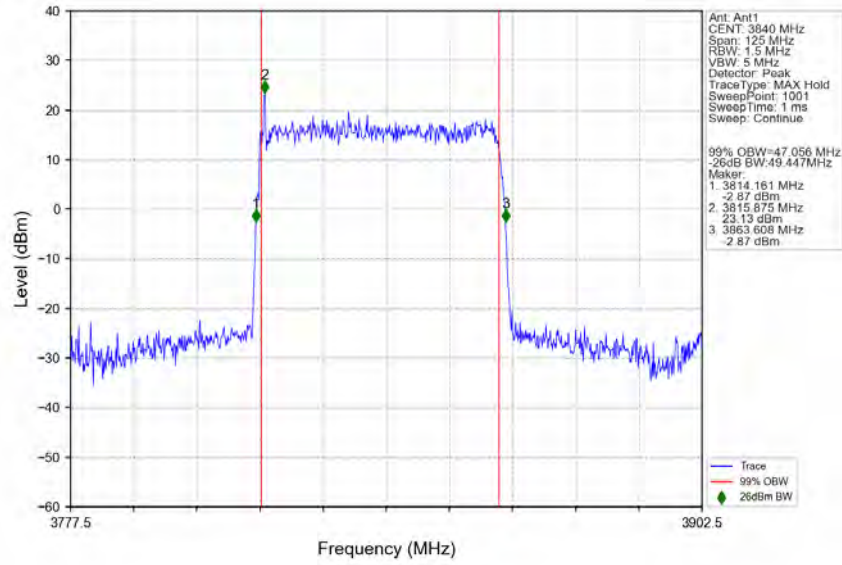
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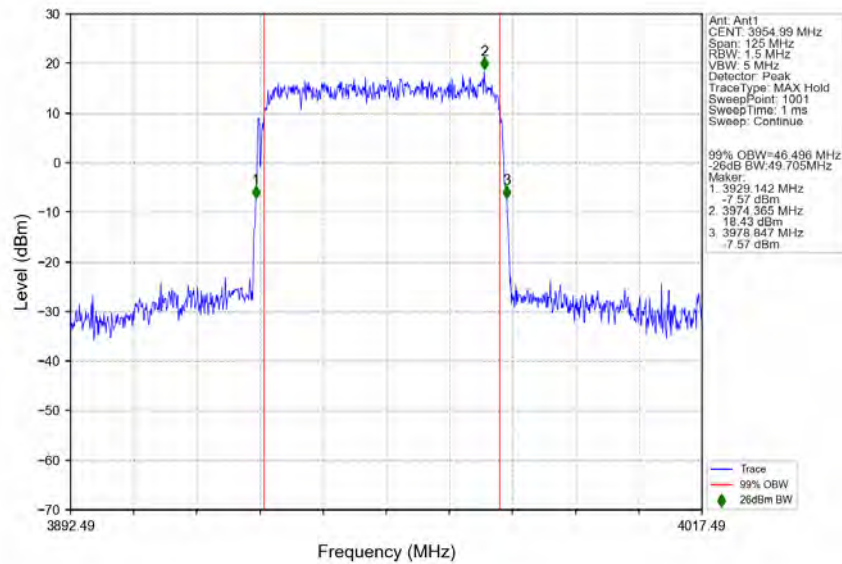
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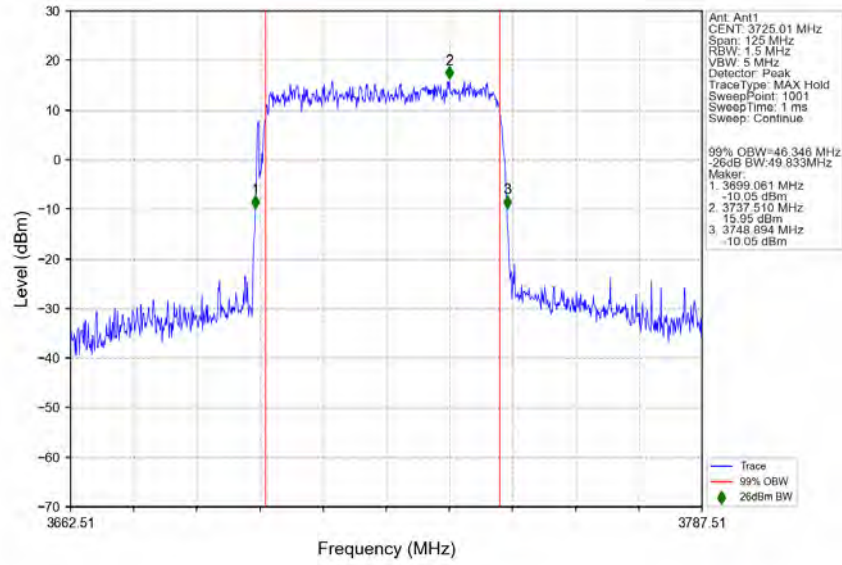
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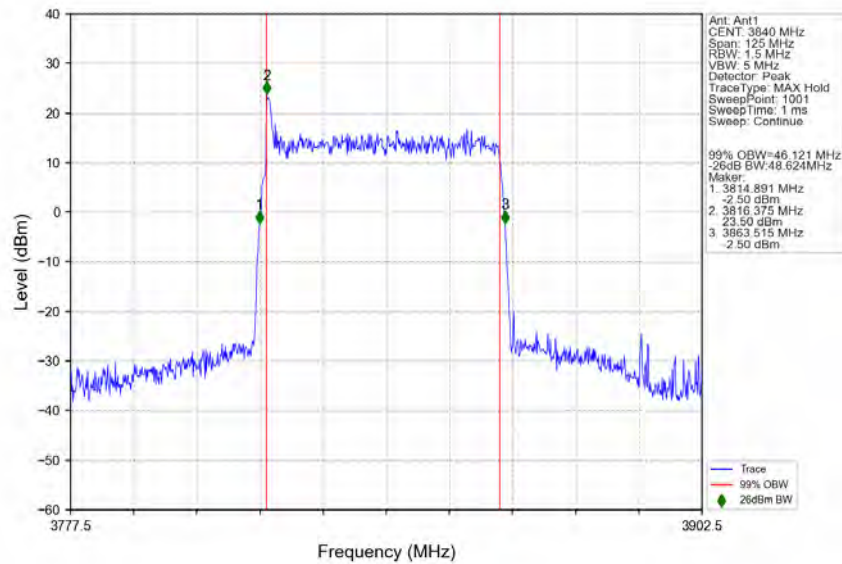
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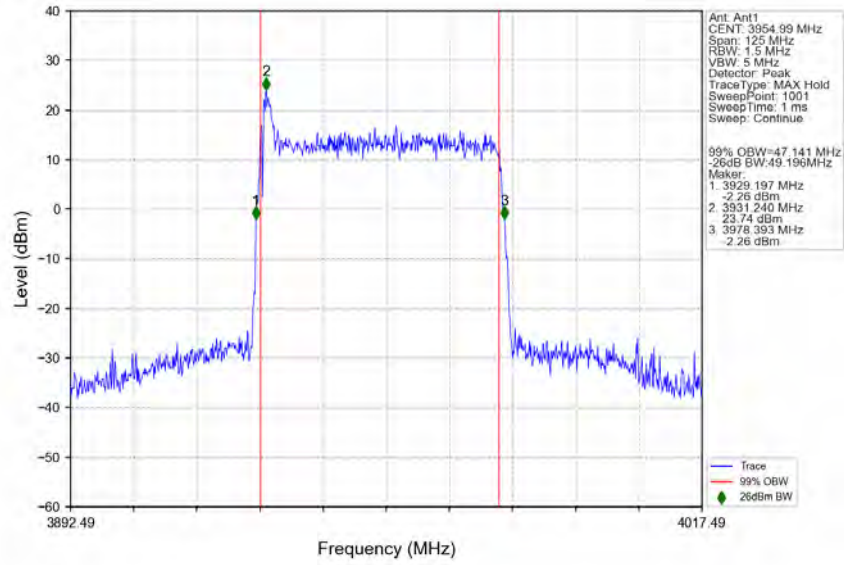
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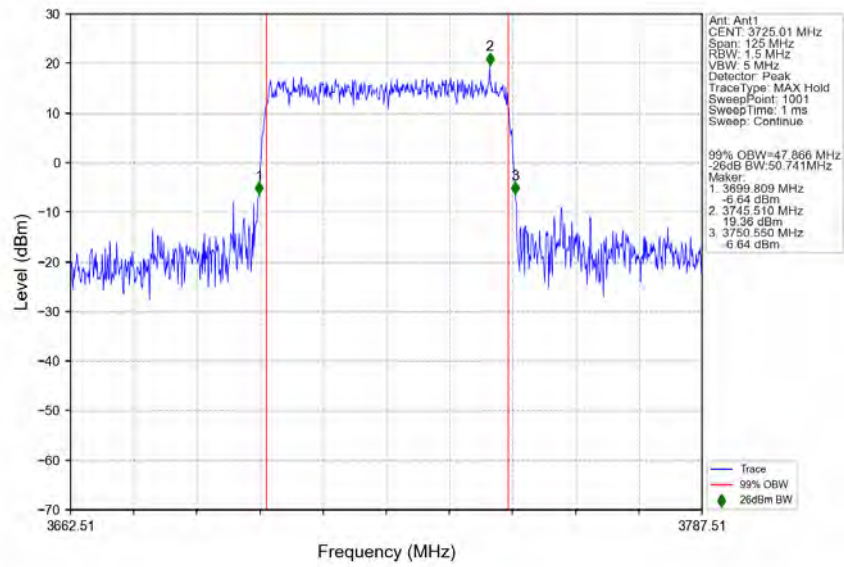
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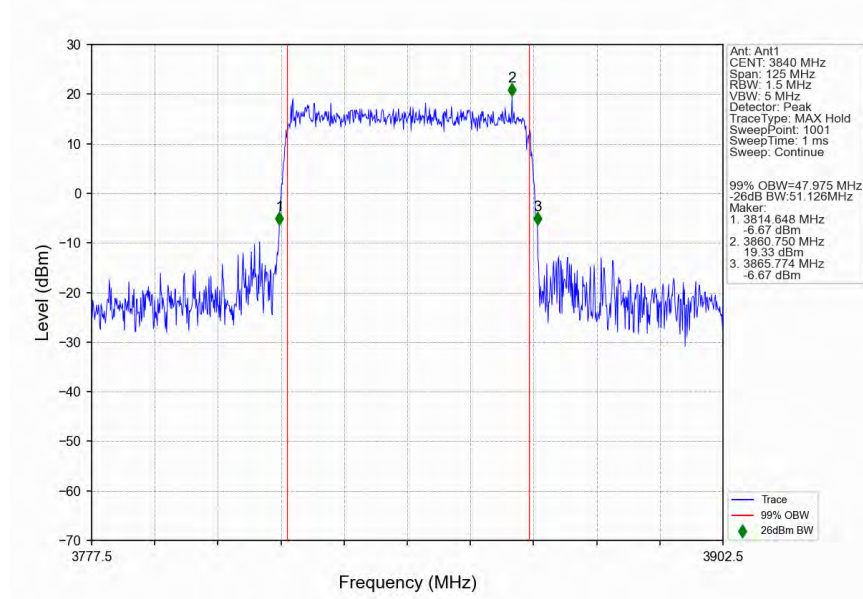
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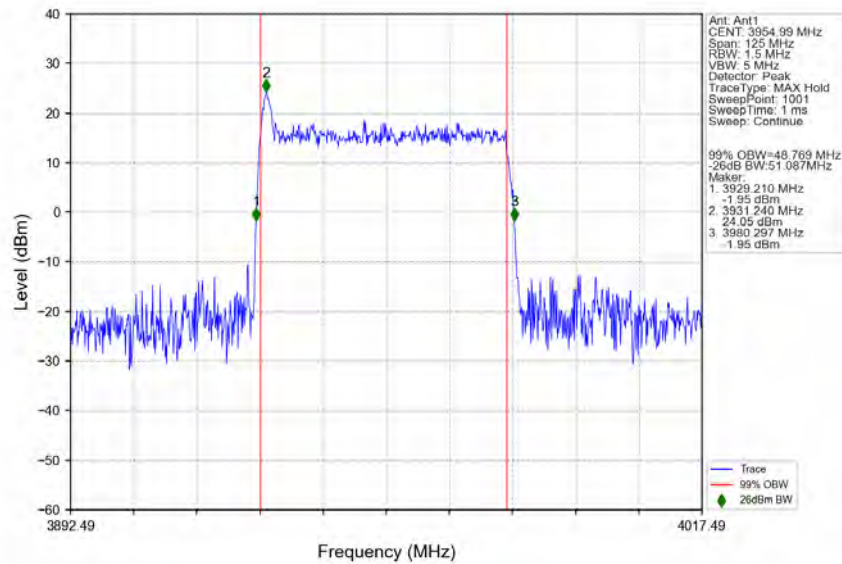
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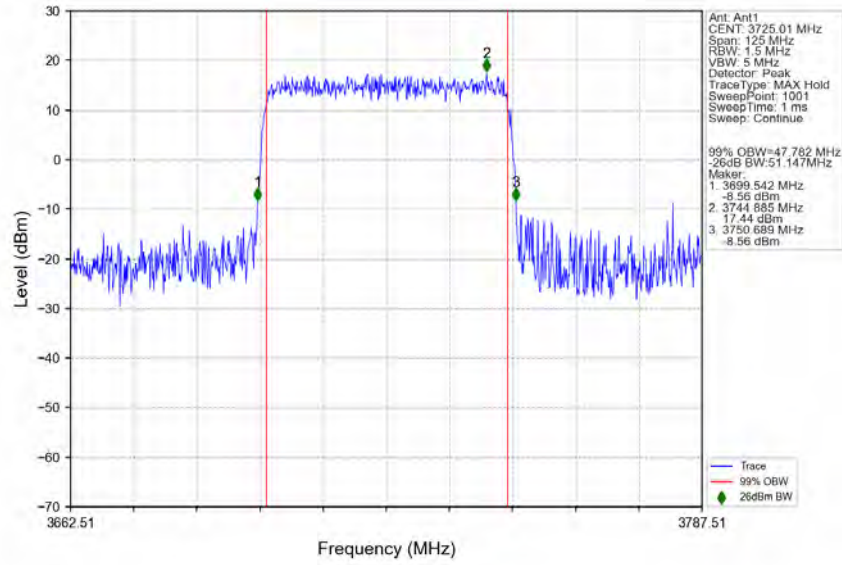
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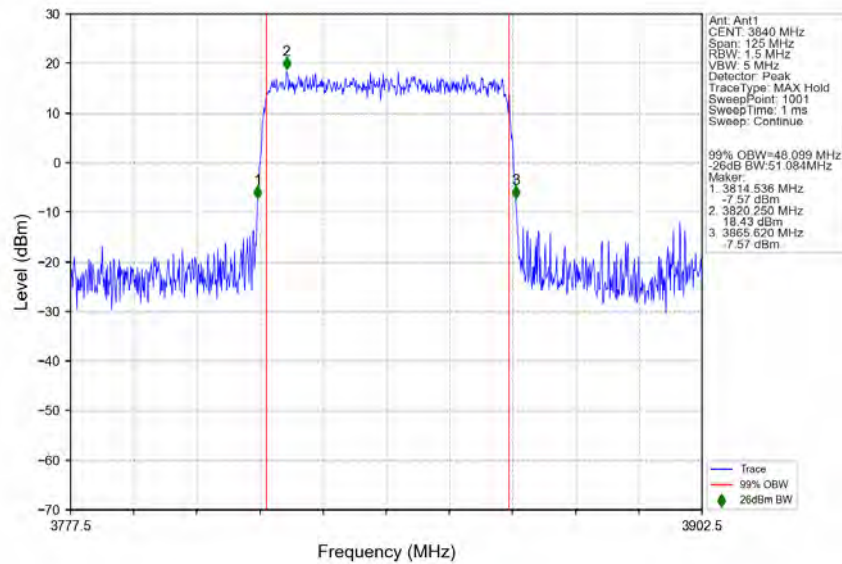
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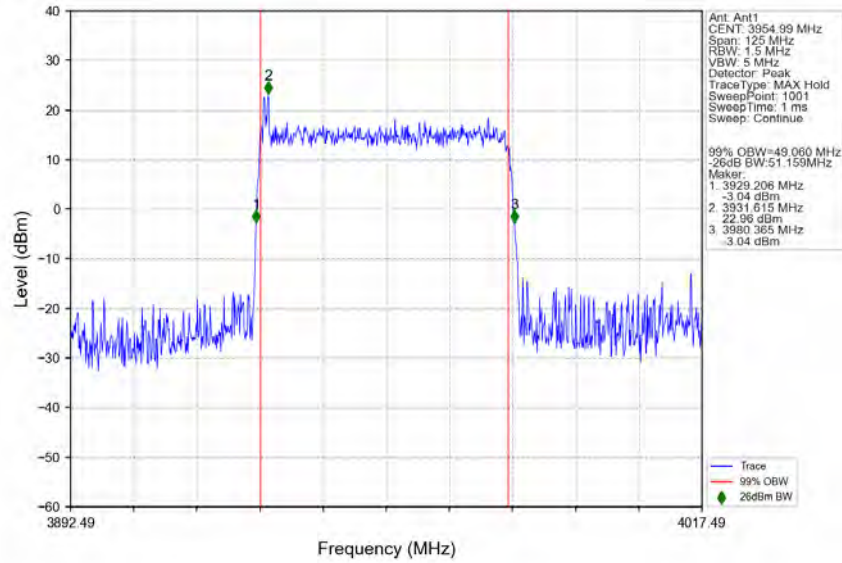
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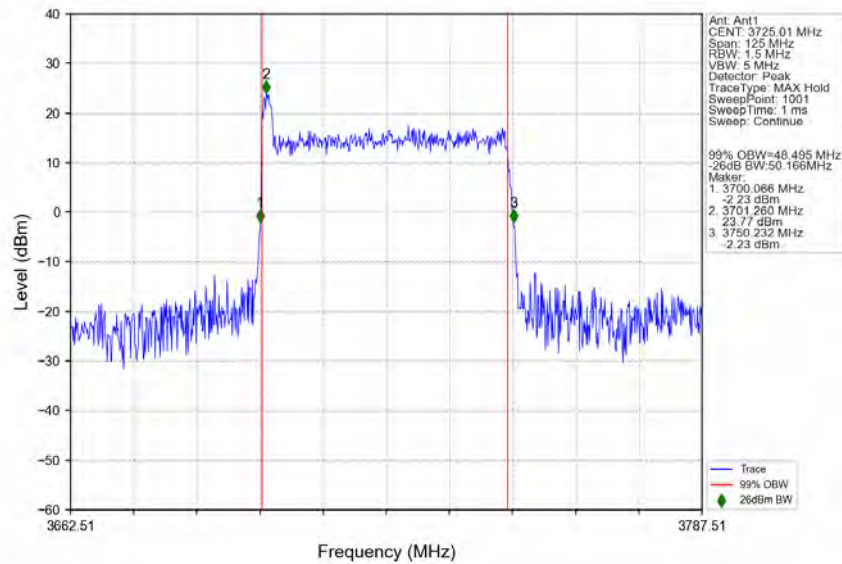
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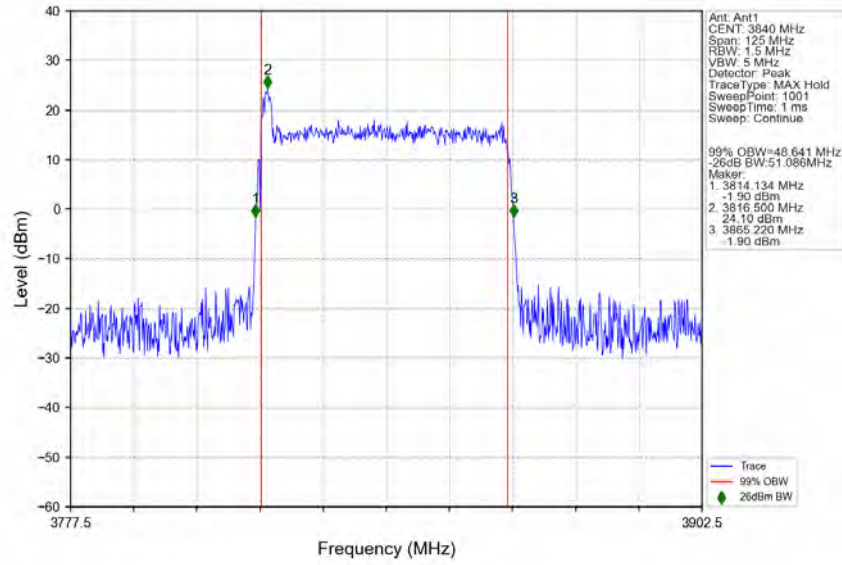
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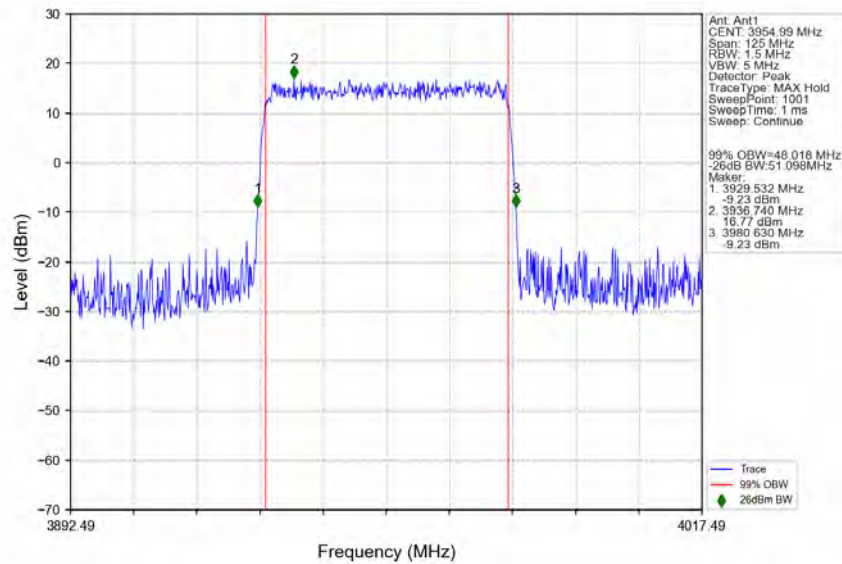
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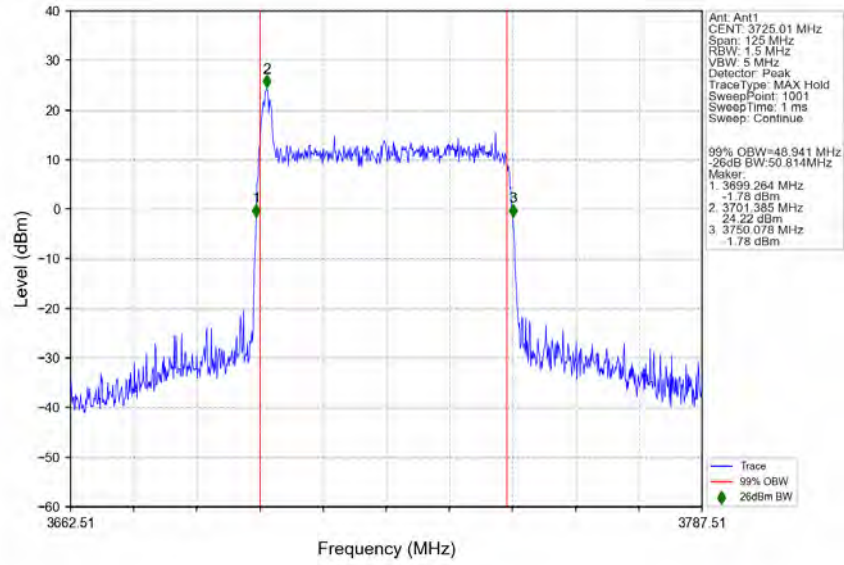
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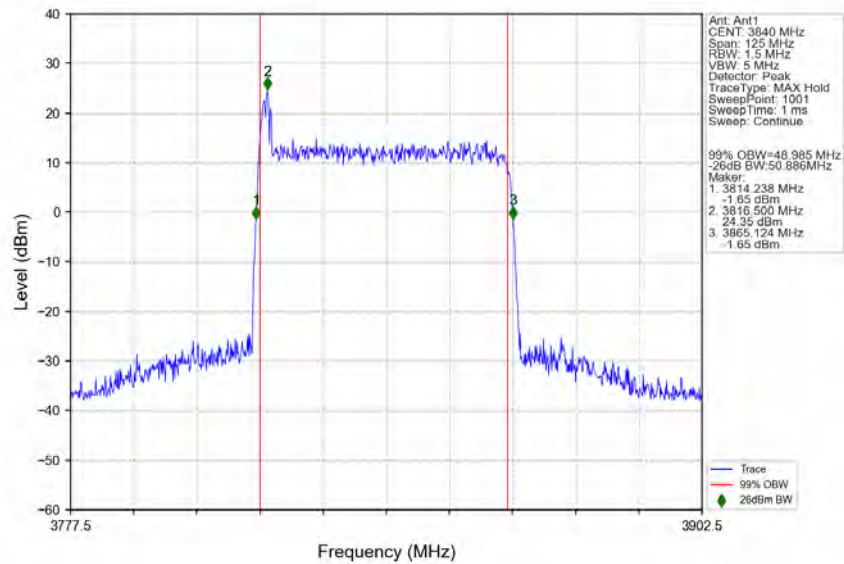
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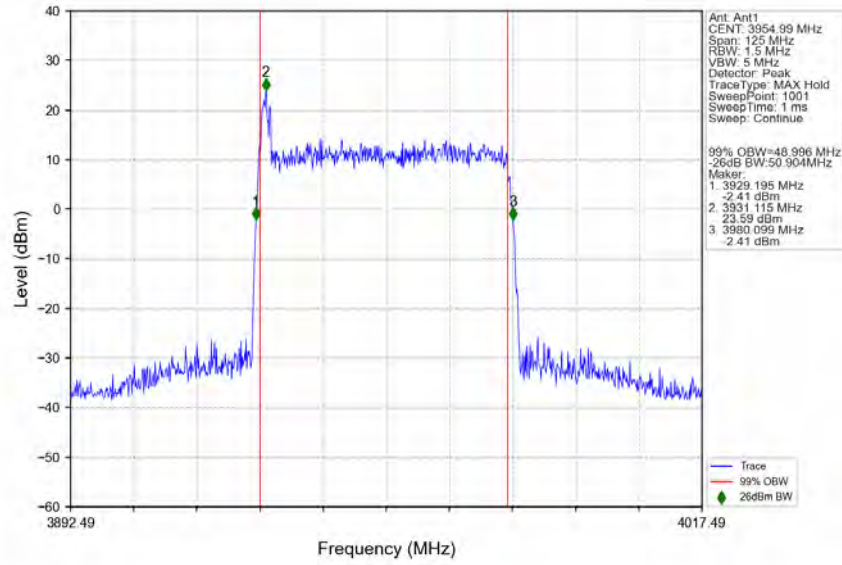
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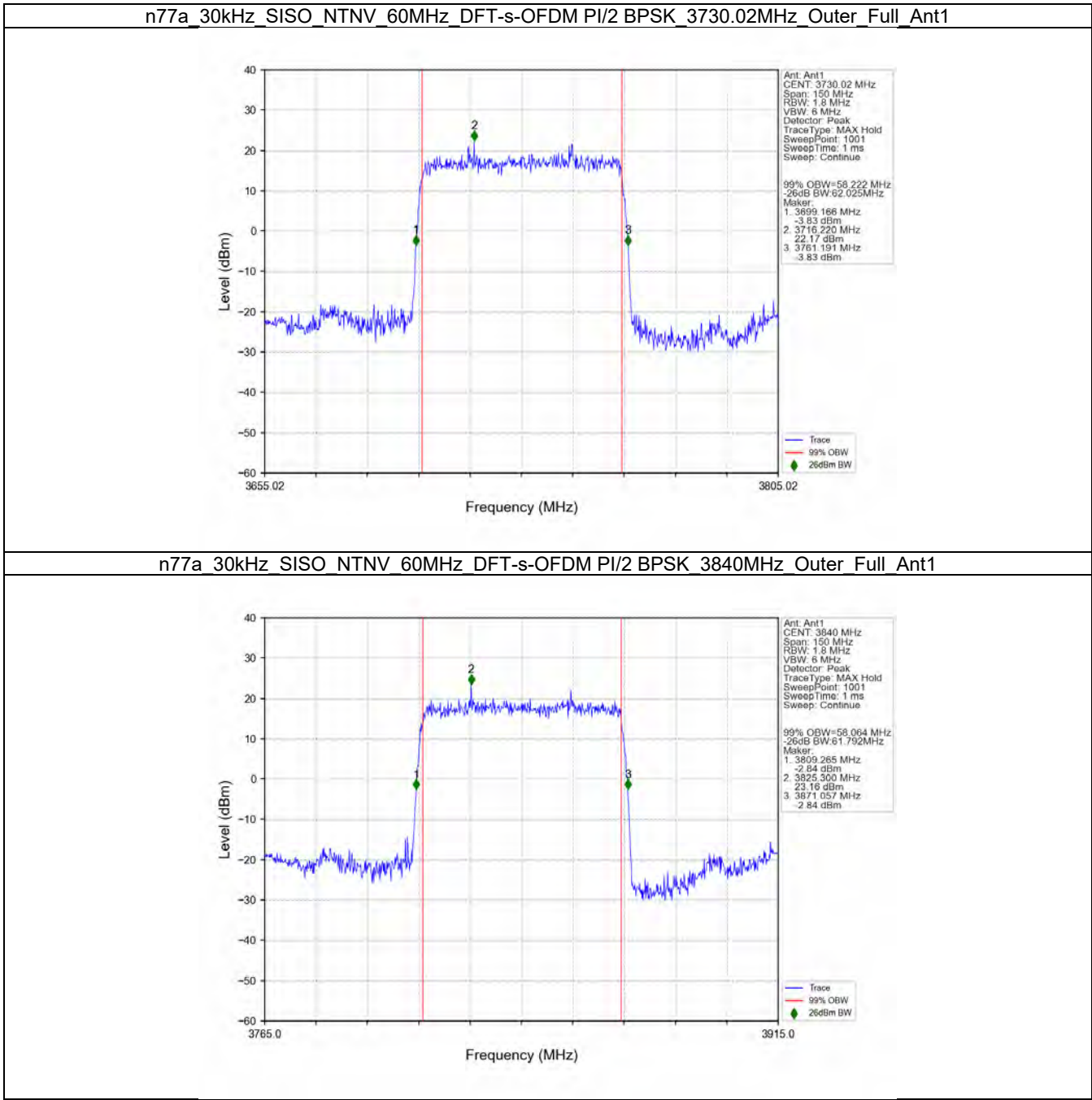
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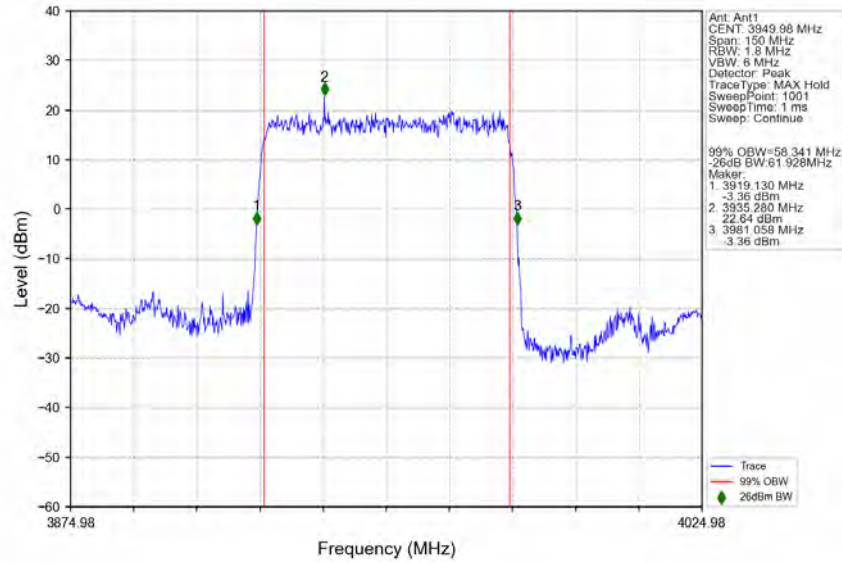
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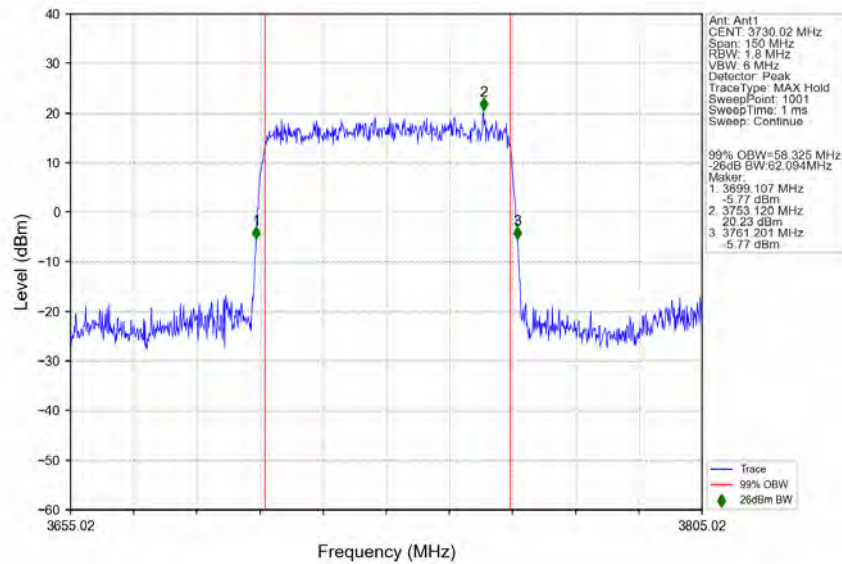
3.2.6 30k_SISO_60MHz_NTNV



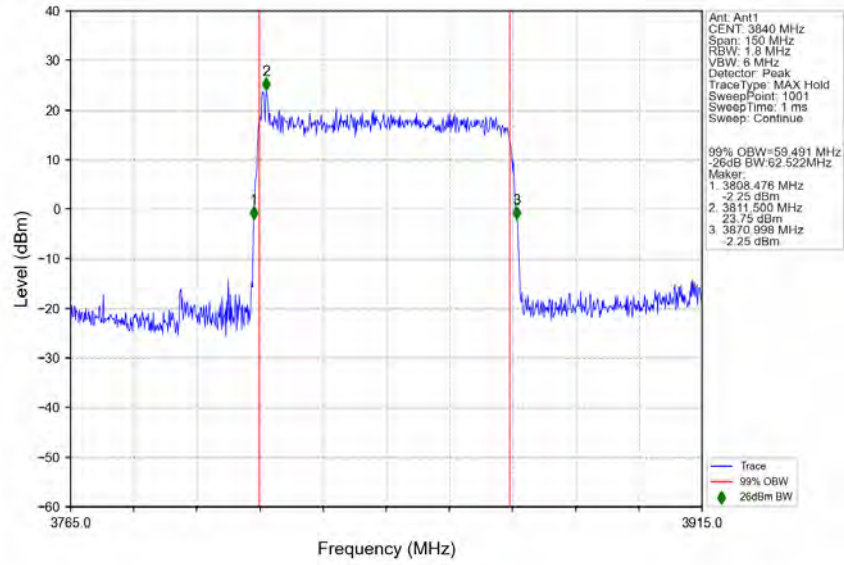
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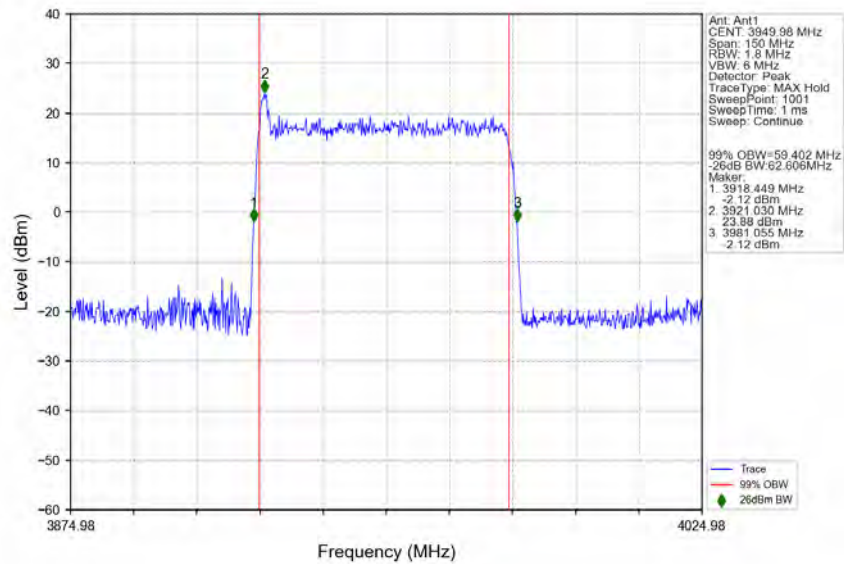
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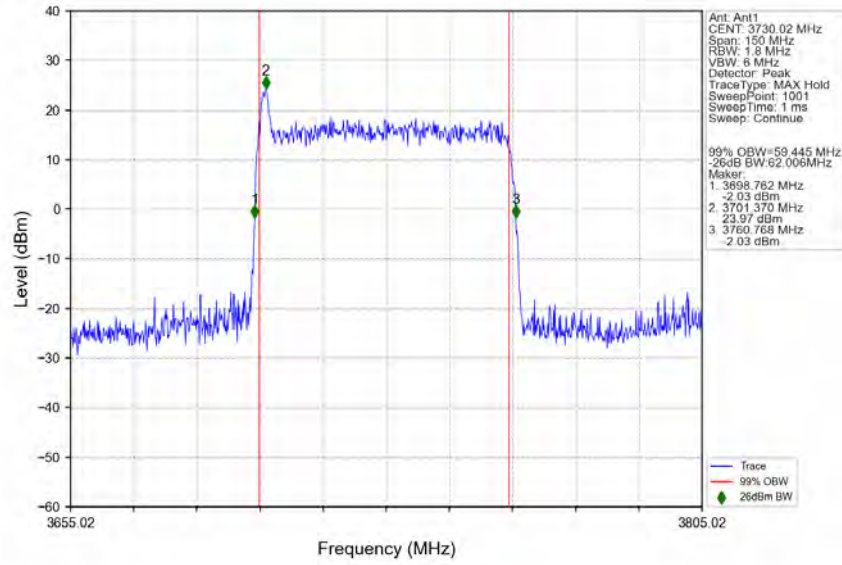
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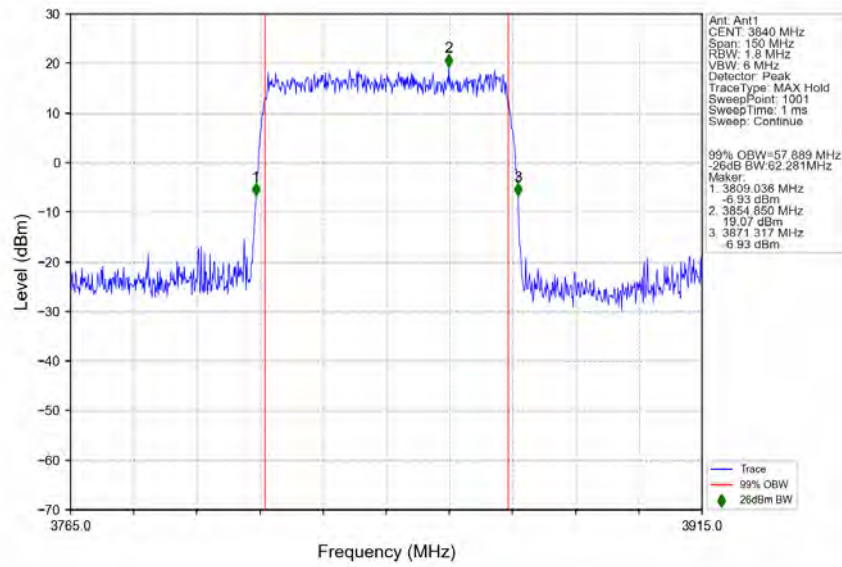
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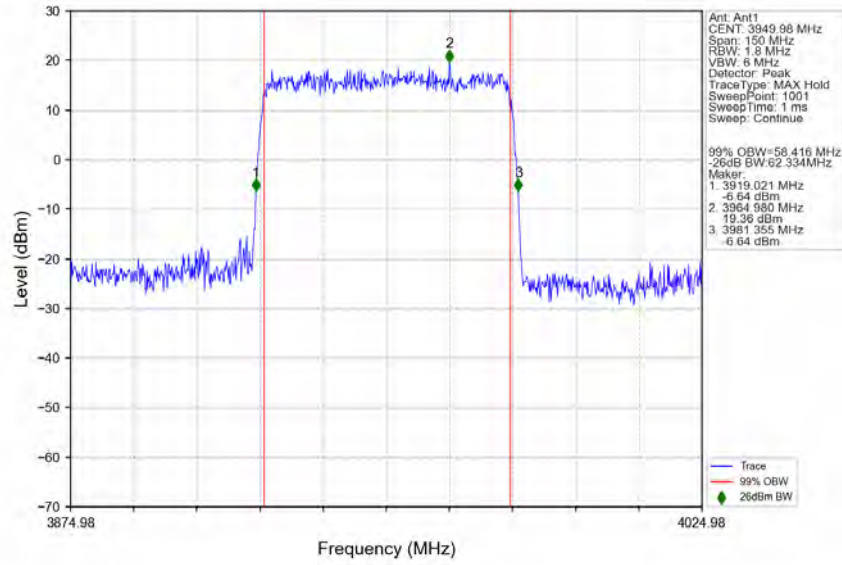
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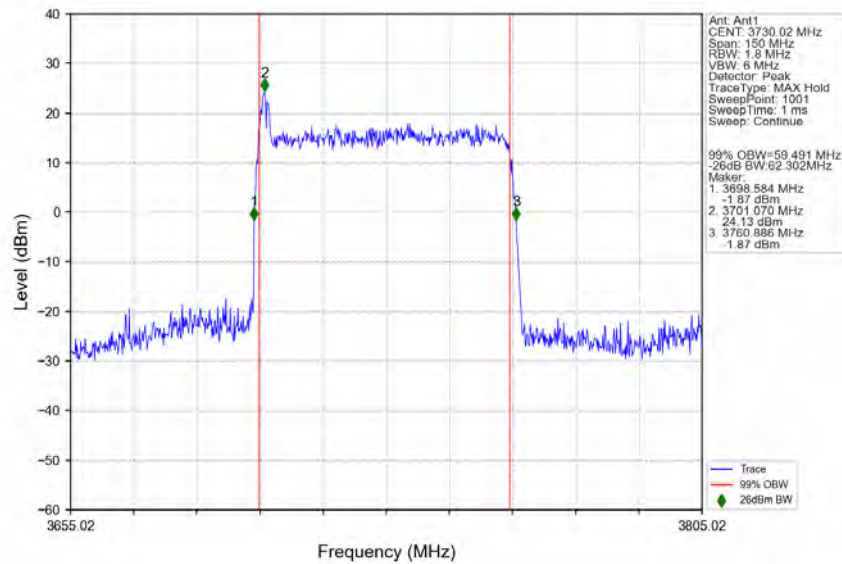
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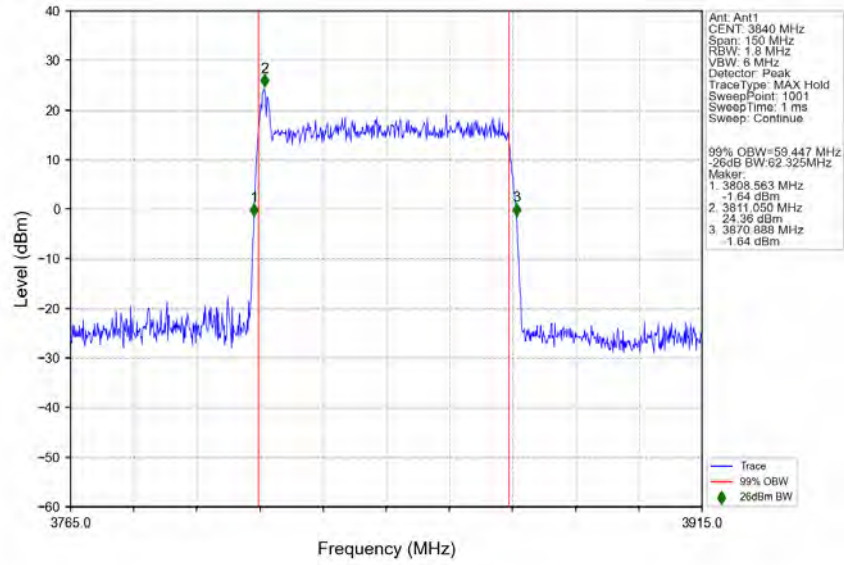
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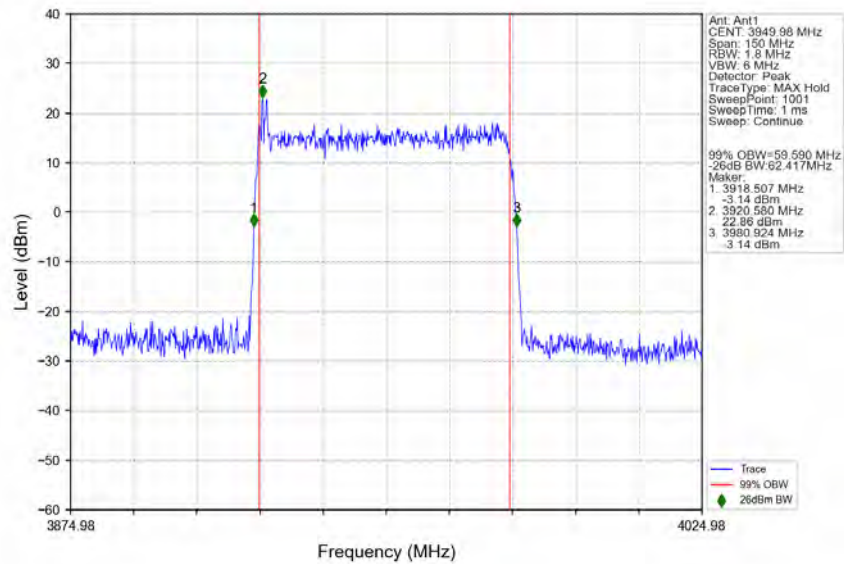
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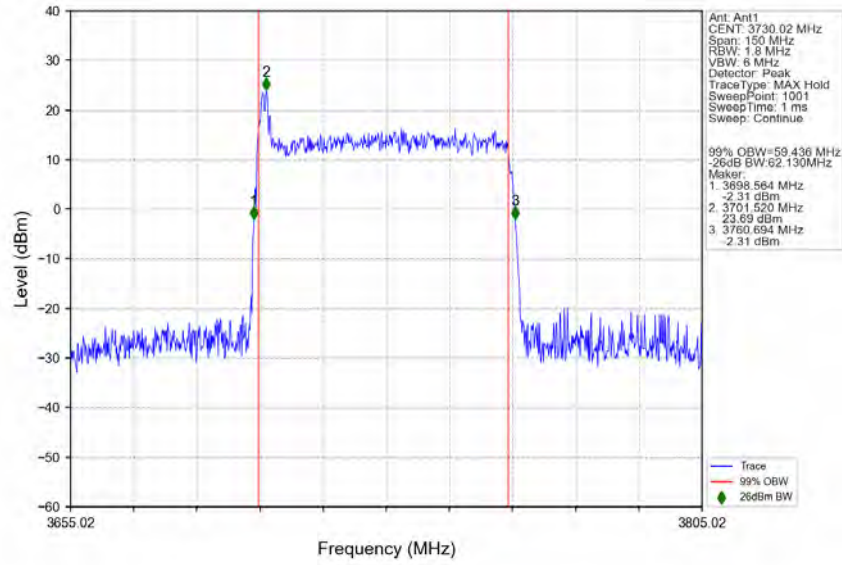
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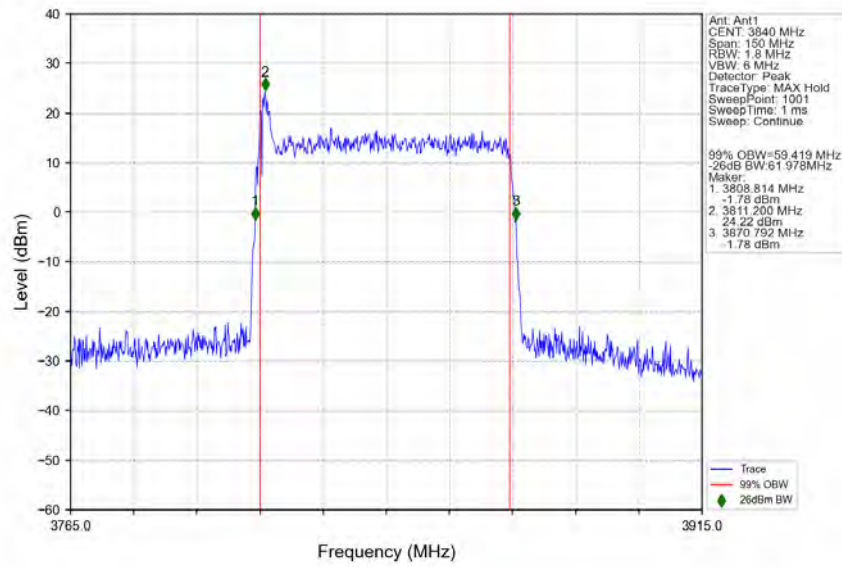
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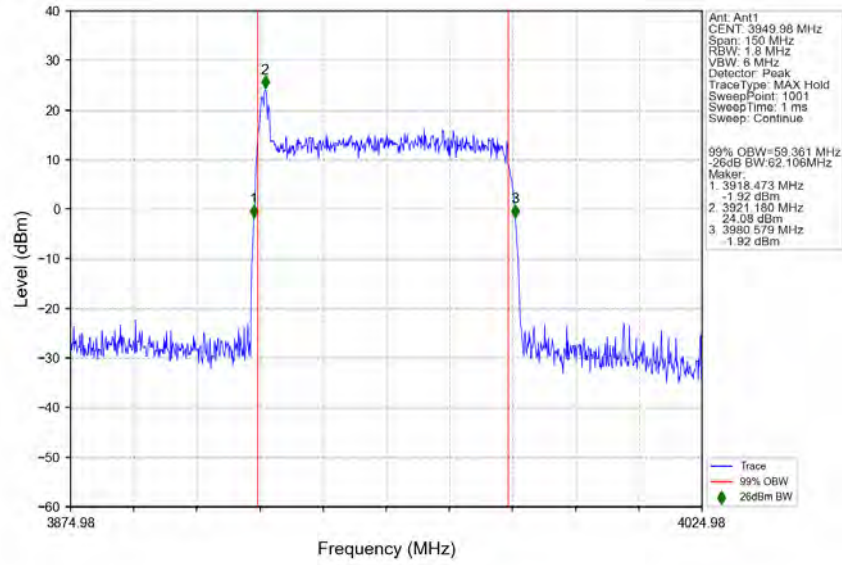
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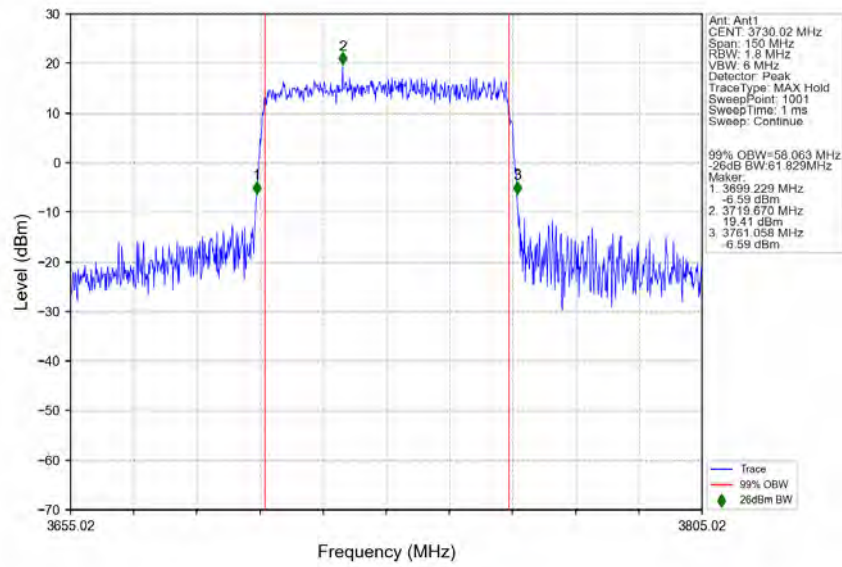
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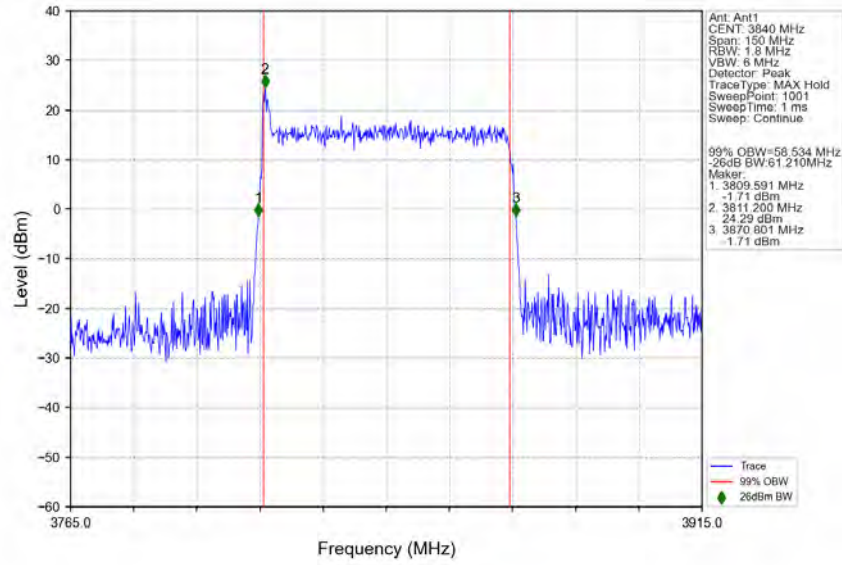
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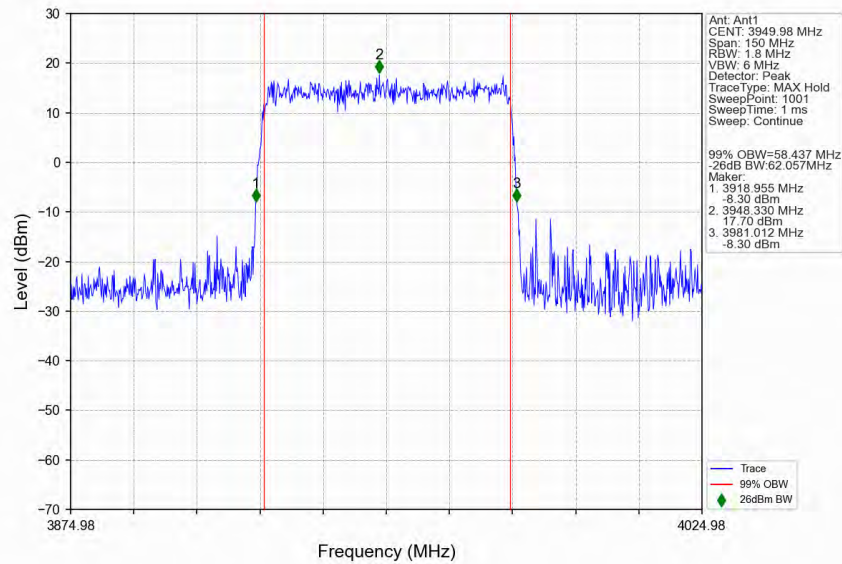
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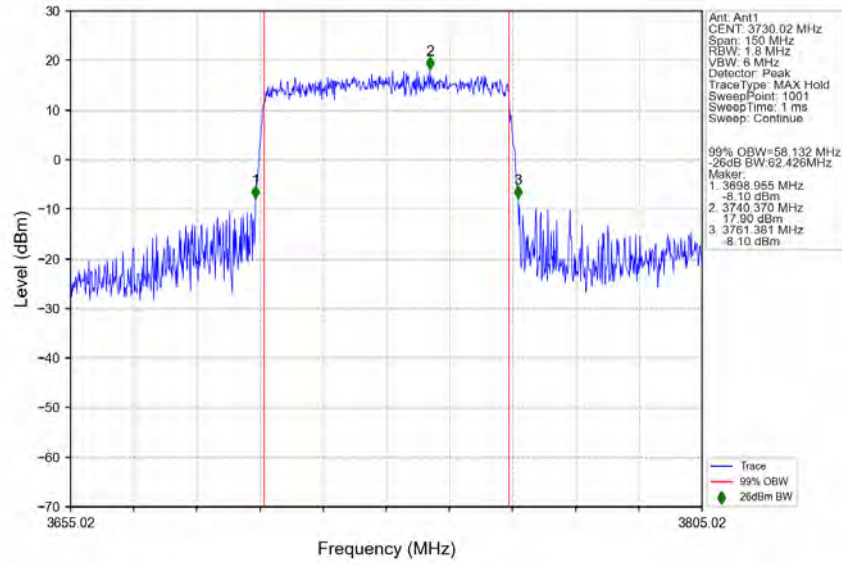
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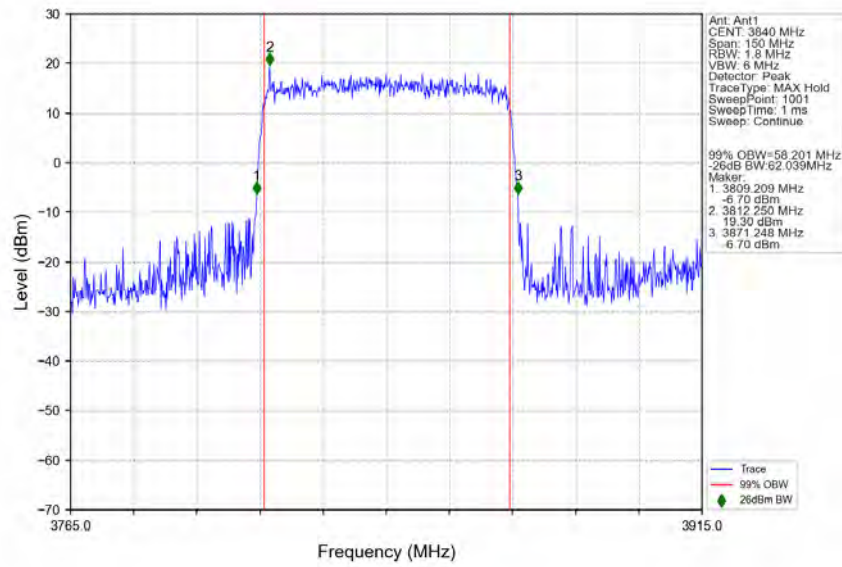
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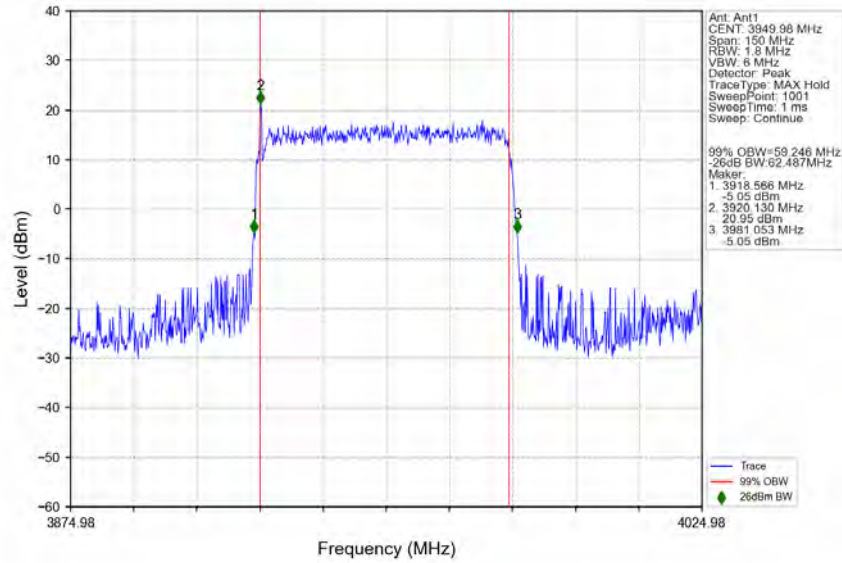
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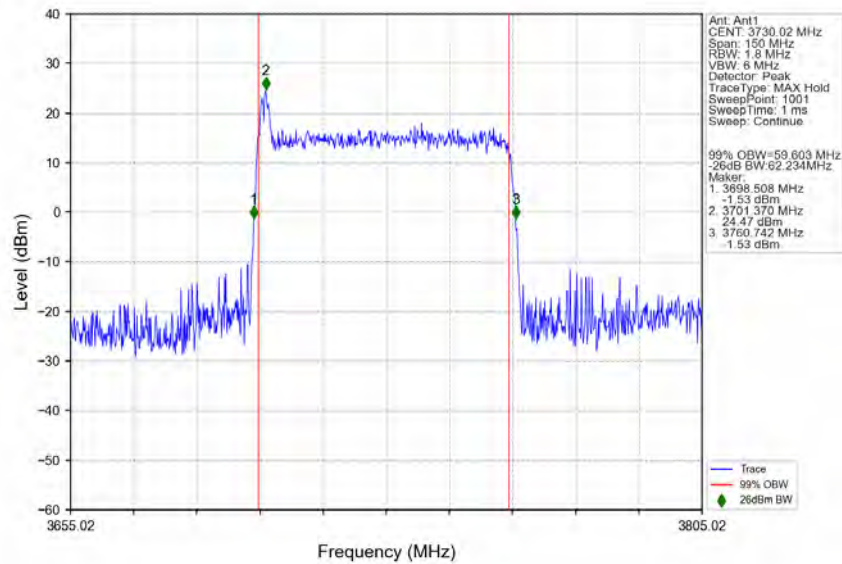
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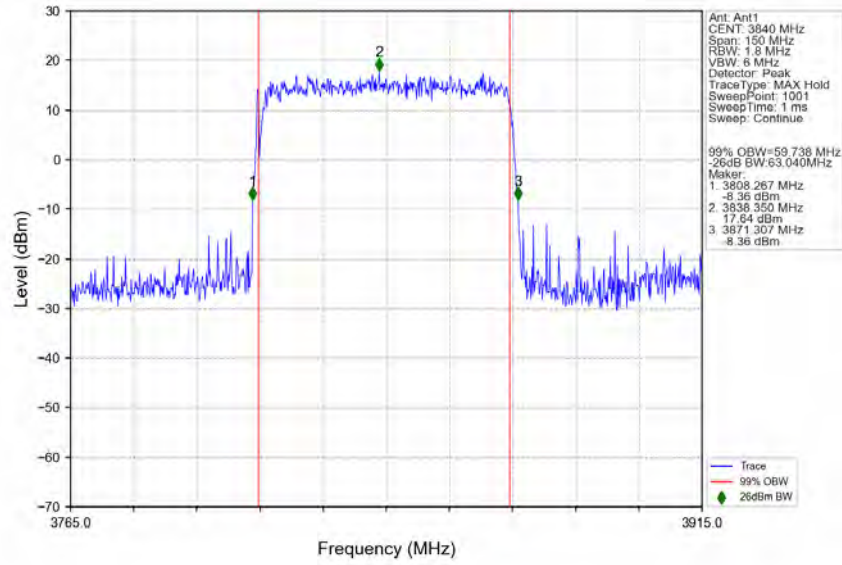
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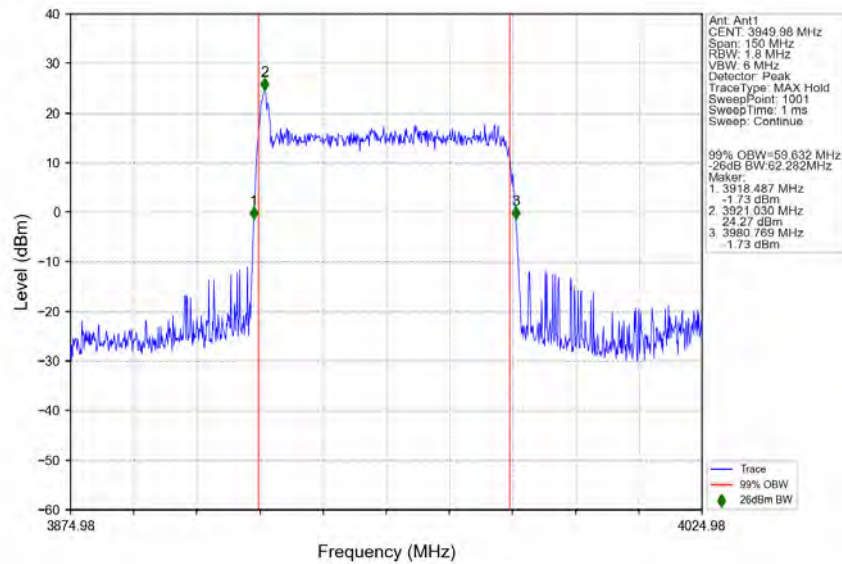
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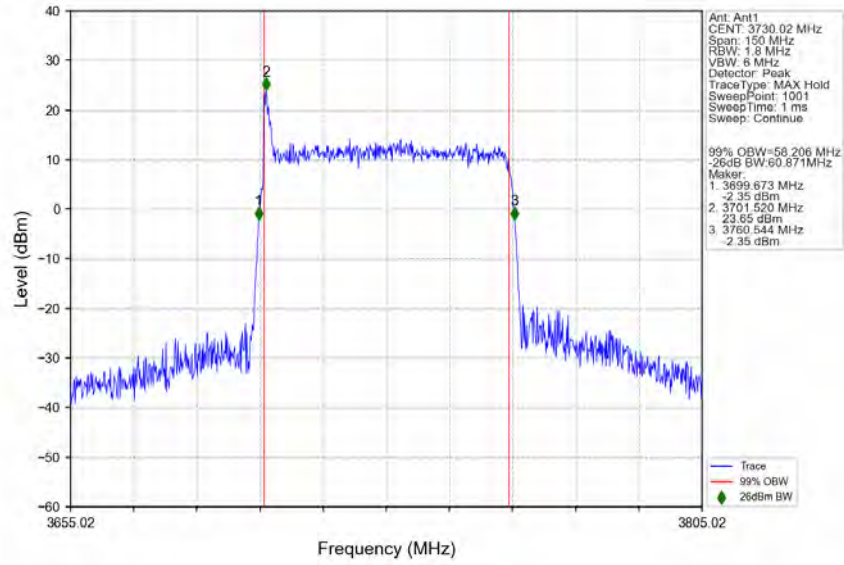
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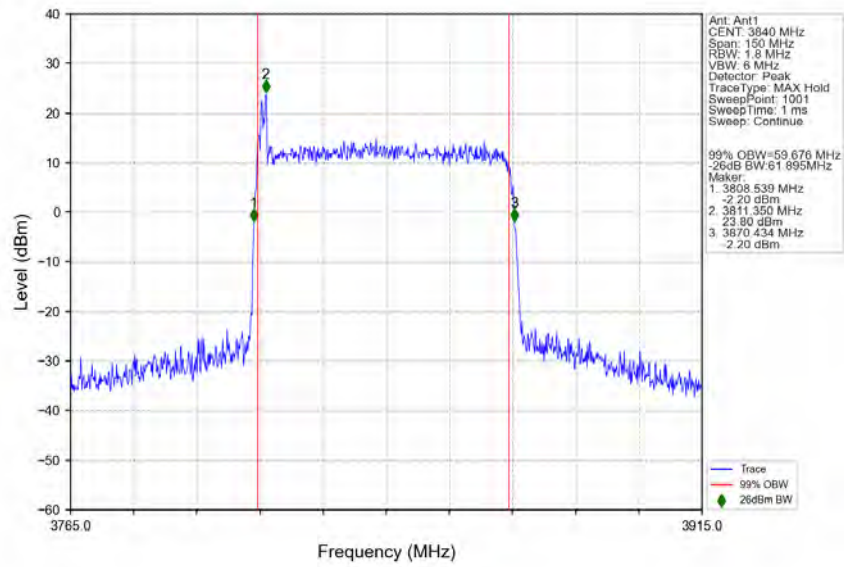
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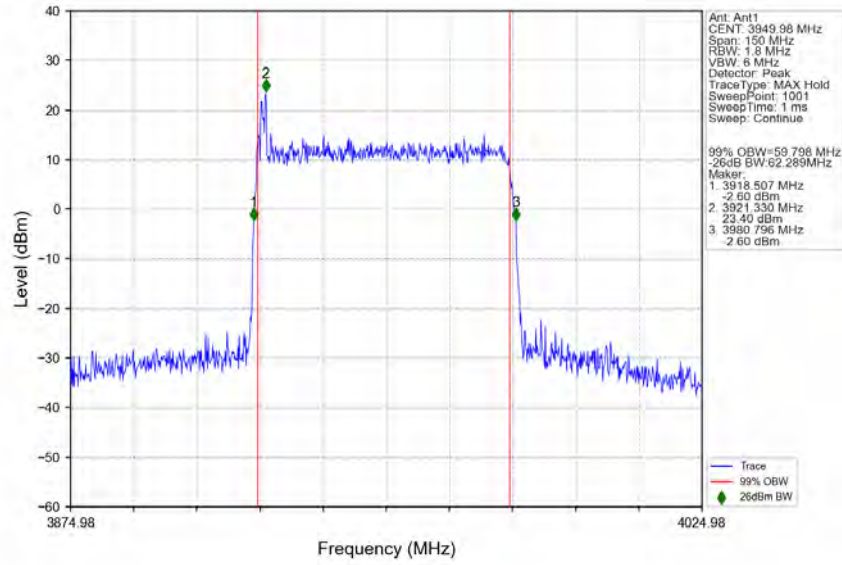
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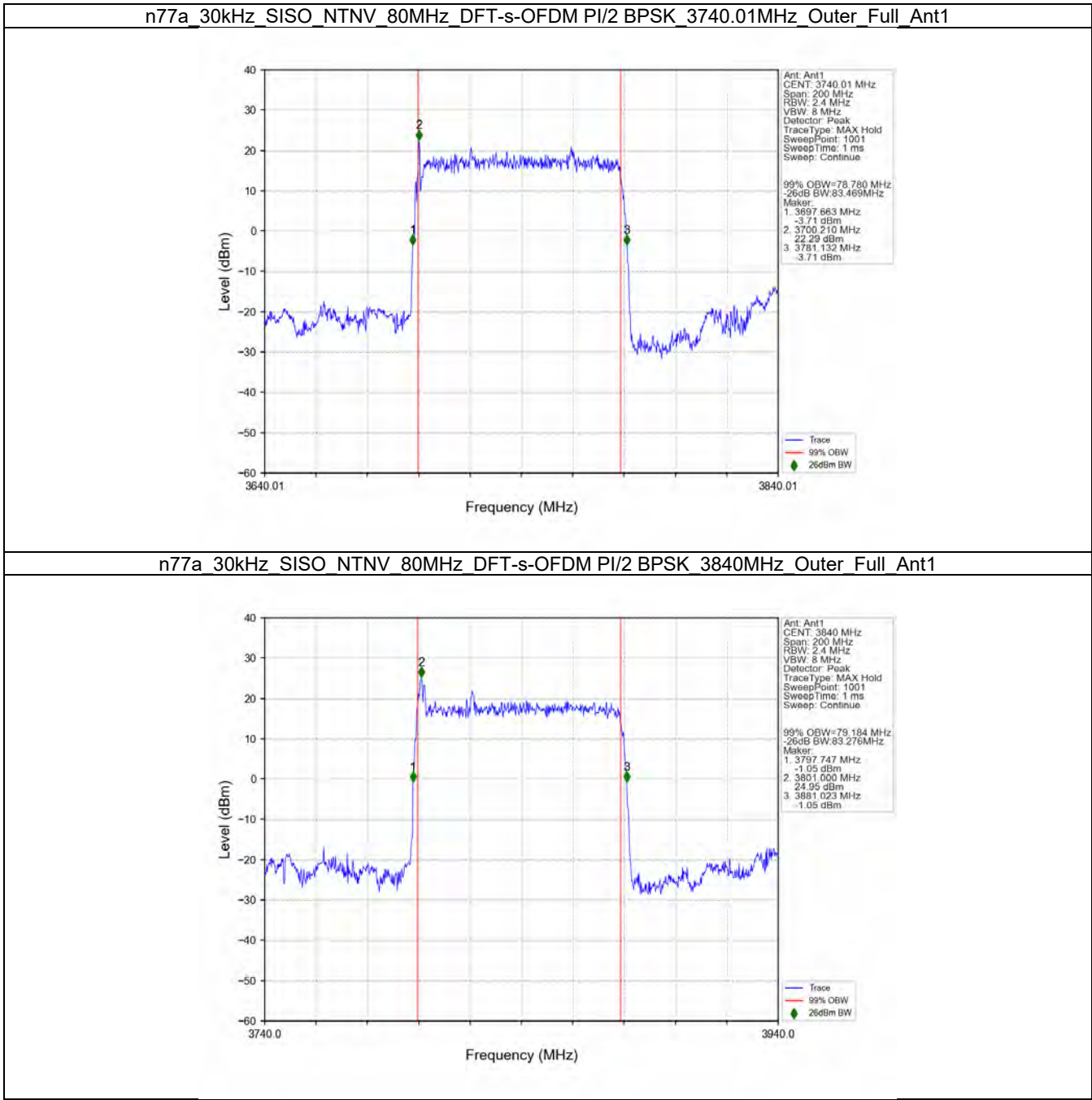
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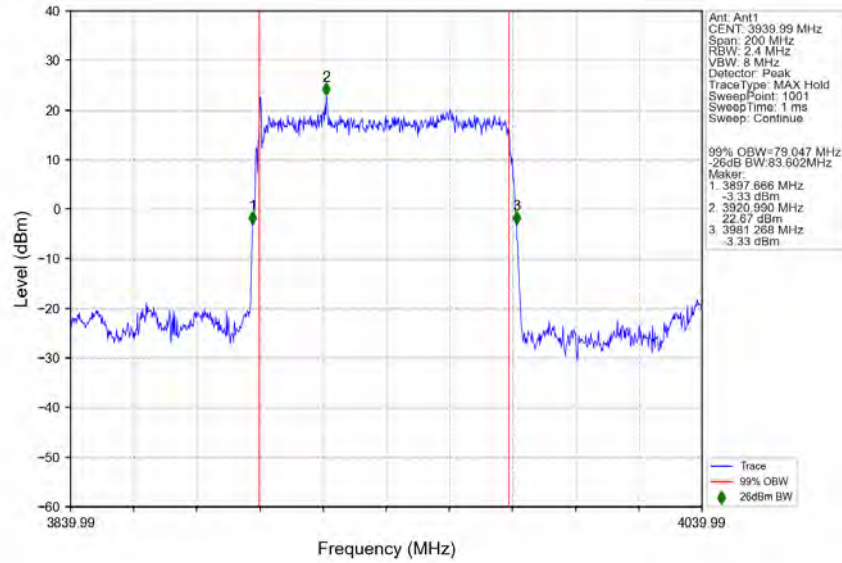
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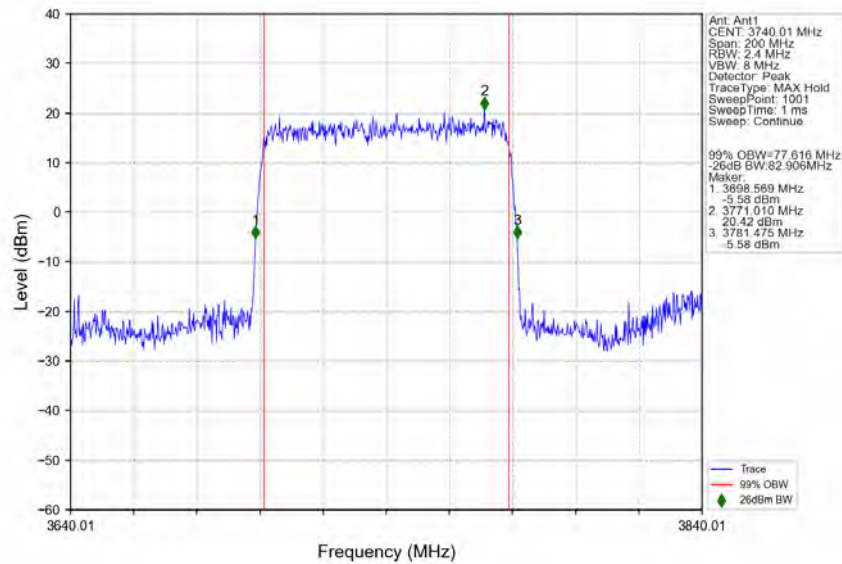
3.2.7 30k_SISO_80MHz_NTNV



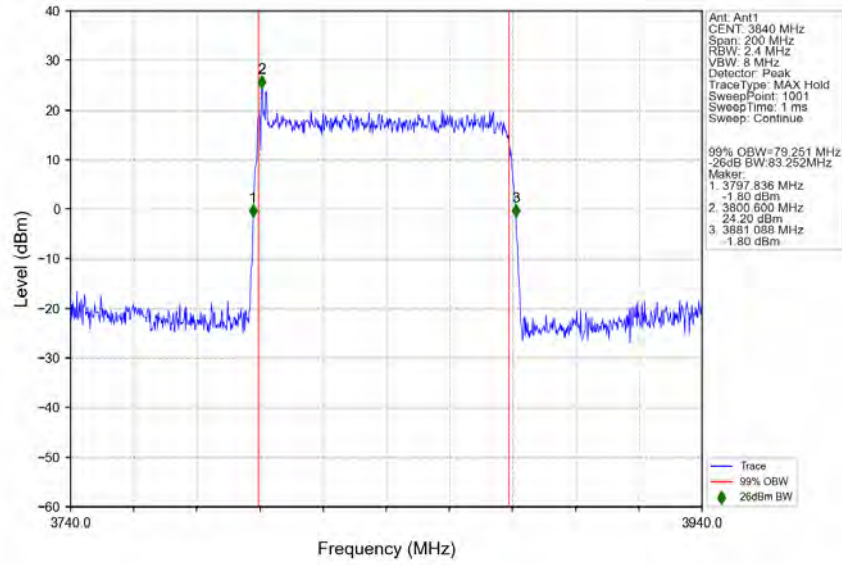
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n77a_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM QPSK_3740.01MHz_Outer_Full_Ant1



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

