

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 15k_SISO_10MHz_NTNV_EIRP

5G NR n77a SCS=15kHz SISO 10MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3705	Edge 1RB Left	12.33	/	/	10.65	/	/	<=30	Pass
		Edge 1RB Right	12.55	/	/	10.87	/	/	<=30	Pass
		Outer Full	12.08	/	/	10.40	/	/	<=30	Pass
		Inner Full	11.74	/	/	10.06	/	/	<=30	Pass
		Inner 1RB Left	11.44	/	/	9.76	/	/	<=30	Pass
		Inner 1RB Right	12.45	/	/	10.77	/	/	<=30	Pass
	3840	Edge 1RB Left	21.72	/	/	20.04	/	/	<=30	Pass
		Edge 1RB Right	20.94	/	/	19.26	/	/	<=30	Pass
		Outer Full	20.83	/	/	19.15	/	/	<=30	Pass
		Inner Full	20.56	/	/	18.88	/	/	<=30	Pass
		Inner 1RB Left	20.80	/	/	19.12	/	/	<=30	Pass
		Inner 1RB Right	20.86	/	/	19.18	/	/	<=30	Pass
	3975	Edge 1RB Left	21.30	/	/	19.62	/	/	<=30	Pass
		Edge 1RB Right	20.89	/	/	19.21	/	/	<=30	Pass
		Outer Full	20.68	/	/	19.00	/	/	<=30	Pass
		Inner Full	20.50	/	/	18.82	/	/	<=30	Pass
		Inner 1RB Left	20.45	/	/	18.77	/	/	<=30	Pass
		Inner 1RB Right	20.95	/	/	19.27	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3705	Edge 1RB Left	11.97	/	/	10.29	/	/	<=30	Pass
		Edge 1RB Right	12.31	/	/	10.63	/	/	<=30	Pass
		Outer Full	11.79	/	/	10.11	/	/	<=30	Pass
		Inner Full	11.69	/	/	10.01	/	/	<=30	Pass
		Inner 1RB Left	11.24	/	/	9.56	/	/	<=30	Pass
		Inner 1RB Right	12.29	/	/	10.61	/	/	<=30	Pass
	3840	Edge 1RB Left	21.45	/	/	19.77	/	/	<=30	Pass
		Edge 1RB Right	20.77	/	/	19.09	/	/	<=30	Pass
		Outer Full	20.65	/	/	18.97	/	/	<=30	Pass
		Inner Full	20.80	/	/	19.12	/	/	<=30	Pass
		Inner 1RB Left	20.66	/	/	18.98	/	/	<=30	Pass
		Inner 1RB Right	20.76	/	/	19.08	/	/	<=30	Pass
	3975	Edge 1RB Left	21.11	/	/	19.43	/	/	<=30	Pass
		Edge 1RB Right	20.89	/	/	19.21	/	/	<=30	Pass
		Outer Full	20.54	/	/	18.86	/	/	<=30	Pass
		Inner Full	20.49	/	/	18.81	/	/	<=30	Pass
		Inner 1RB Left	20.26	/	/	18.58	/	/	<=30	Pass
		Inner 1RB Right	20.88	/	/	19.20	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3705	Edge 1RB Left	12.10	/	/	10.42	/	/	<=30	Pass
		Edge 1RB Right	12.39	/	/	10.71	/	/	<=30	Pass
		Outer Full	11.71	/	/	10.03	/	/	<=30	Pass
		Inner Full	11.64	/	/	9.96	/	/	<=30	Pass
		Inner 1RB Left	11.33	/	/	9.65	/	/	<=30	Pass
		Inner 1RB Right	12.35	/	/	10.67	/	/	<=30	Pass
	3840	Edge 1RB Left	21.65	/	/	19.97	/	/	<=30	Pass
		Edge 1RB Right	20.93	/	/	19.25	/	/	<=30	Pass
		Outer Full	20.88	/	/	19.20	/	/	<=30	Pass
		Inner Full	20.51	/	/	18.83	/	/	<=30	Pass
		Inner 1RB Left	20.88	/	/	19.20	/	/	<=30	Pass
		Inner 1RB Right	20.91	/	/	19.23	/	/	<=30	Pass

	3975	Edge_1RB_Left	21.01	/	/	19.33	/	/	<=30	Pass
		Edge_1RB_Right	20.78	/	/	19.10	/	/	<=30	Pass
		Outer_Full	20.54	/	/	18.86	/	/	<=30	Pass
		Inner_Full	20.53	/	/	18.85	/	/	<=30	Pass
		Inner_1RB_Left	20.20	/	/	18.52	/	/	<=30	Pass
		Inner_1RB_Right	20.67	/	/	18.99	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3705	Edge_1RB_Left	23.06	/	/	21.38	/	/	<=30	Pass
		Edge_1RB_Right	23.05	/	/	21.37	/	/	<=30	Pass
		Outer_Full	22.56	/	/	20.88	/	/	<=30	Pass
		Inner_Full	22.41	/	/	20.73	/	/	<=30	Pass
		Inner_1RB_Left	22.16	/	/	20.48	/	/	<=30	Pass
		Inner_1RB_Right	23.02	/	/	21.34	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.97	/	/	19.29	/	/	<=30	Pass
		Edge_1RB_Right	19.99	/	/	18.31	/	/	<=30	Pass
		Outer_Full	19.33	/	/	17.65	/	/	<=30	Pass
		Inner_Full	19.77	/	/	18.09	/	/	<=30	Pass
		Inner_1RB_Left	19.93	/	/	18.25	/	/	<=30	Pass
		Inner_1RB_Right	20.00	/	/	18.32	/	/	<=30	Pass
	3975	Edge_1RB_Left	20.12	/	/	18.44	/	/	<=30	Pass
		Edge_1RB_Right	19.89	/	/	18.21	/	/	<=30	Pass
		Outer_Full	19.02	/	/	17.34	/	/	<=30	Pass
		Inner_Full	19.43	/	/	17.75	/	/	<=30	Pass
		Inner_1RB_Left	19.32	/	/	17.64	/	/	<=30	Pass
		Inner_1RB_Right	19.84	/	/	18.16	/	/	<=30	Pass
CP-OFDM QPSK	3705	Edge_1RB_Left	23.30	/	/	21.62	/	/	<=30	Pass
		Edge_1RB_Right	23.48	/	/	21.80	/	/	<=30	Pass
		Outer_Full	22.94	/	/	21.26	/	/	<=30	Pass
		Inner_Full	22.84	/	/	21.16	/	/	<=30	Pass
		Inner_1RB_Left	22.63	/	/	20.95	/	/	<=30	Pass
		Inner_1RB_Right	23.48	/	/	21.80	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.49	/	/	19.81	/	/	<=30	Pass
		Edge_1RB_Right	20.79	/	/	19.11	/	/	<=30	Pass
		Outer_Full	20.62	/	/	18.94	/	/	<=30	Pass
		Inner_Full	20.46	/	/	18.78	/	/	<=30	Pass
		Inner_1RB_Left	20.76	/	/	19.08	/	/	<=30	Pass
		Inner_1RB_Right	20.79	/	/	19.11	/	/	<=30	Pass
	3975	Edge_1RB_Left	21.13	/	/	19.45	/	/	<=30	Pass
		Edge_1RB_Right	20.90	/	/	19.22	/	/	<=30	Pass
		Outer_Full	20.55	/	/	18.87	/	/	<=30	Pass
		Inner_Full	20.41	/	/	18.73	/	/	<=30	Pass
		Inner_1RB_Left	20.42	/	/	18.74	/	/	<=30	Pass
		Inner_1RB_Right	20.86	/	/	19.18	/	/	<=30	Pass
CP-OFDM 16 QAM	3705	Edge_1RB_Left	23.15	/	/	21.47	/	/	<=30	Pass
		Edge_1RB_Right	23.48	/	/	21.80	/	/	<=30	Pass
		Outer_Full	22.91	/	/	21.23	/	/	<=30	Pass
		Inner_Full	22.77	/	/	21.09	/	/	<=30	Pass
		Inner_1RB_Left	22.61	/	/	20.93	/	/	<=30	Pass
		Inner_1RB_Right	23.48	/	/	21.80	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.38	/	/	19.70	/	/	<=30	Pass
		Edge_1RB_Right	20.81	/	/	19.13	/	/	<=30	Pass
		Outer_Full	20.91	/	/	19.23	/	/	<=30	Pass
		Inner_Full	20.40	/	/	18.72	/	/	<=30	Pass
		Inner_1RB_Left	20.77	/	/	19.09	/	/	<=30	Pass
		Inner_1RB_Right	20.79	/	/	19.11	/	/	<=30	Pass
	3975	Edge_1RB_Left	21.02	/	/	19.34	/	/	<=30	Pass
		Edge_1RB_Right	20.91	/	/	19.23	/	/	<=30	Pass
		Outer_Full	20.53	/	/	18.85	/	/	<=30	Pass
		Inner_Full	20.40	/	/	18.72	/	/	<=30	Pass
		Inner_1RB_Left	20.38	/	/	18.70	/	/	<=30	Pass

		Inner 1RB Right	20.98	/	/	19.30	/	/	<=30	Pass
CP-OFDM 64 QAM	3705	Edge 1RB Left	23.07	/	/	21.39	/	/	<=30	Pass
		Edge 1RB Right	23.27	/	/	21.59	/	/	<=30	Pass
		Outer Full	22.43	/	/	20.75	/	/	<=30	Pass
		Inner Full	22.80	/	/	21.12	/	/	<=30	Pass
		Inner 1RB Left	22.43	/	/	20.75	/	/	<=30	Pass
		Inner 1RB Right	23.30	/	/	21.62	/	/	<=30	Pass
	3840	Edge 1RB Left	21.33	/	/	19.65	/	/	<=30	Pass
		Edge 1RB Right	20.61	/	/	18.93	/	/	<=30	Pass
		Outer Full	20.06	/	/	18.38	/	/	<=30	Pass
		Inner Full	20.44	/	/	18.76	/	/	<=30	Pass
		Inner 1RB Left	20.56	/	/	18.88	/	/	<=30	Pass
		Inner 1RB Right	20.61	/	/	18.93	/	/	<=30	Pass
	3975	Edge 1RB Left	20.94	/	/	19.26	/	/	<=30	Pass
		Edge 1RB Right	20.72	/	/	19.04	/	/	<=30	Pass
		Outer Full	20.05	/	/	18.37	/	/	<=30	Pass
		Inner Full	20.44	/	/	18.76	/	/	<=30	Pass
		Inner 1RB Left	20.23	/	/	18.55	/	/	<=30	Pass
		Inner 1RB Right	20.73	/	/	19.05	/	/	<=30	Pass
CP-OFDM 256 QAM	3705	Edge 1RB Left	21.03	/	/	19.35	/	/	<=30	Pass
		Edge 1RB Right	21.18	/	/	19.50	/	/	<=30	Pass
		Outer Full	20.15	/	/	18.47	/	/	<=30	Pass
		Inner Full	20.58	/	/	18.90	/	/	<=30	Pass
		Inner 1RB Left	20.32	/	/	18.64	/	/	<=30	Pass
		Inner 1RB Right	21.14	/	/	19.46	/	/	<=30	Pass
	3840	Edge 1RB Left	18.77	/	/	17.09	/	/	<=30	Pass
		Edge 1RB Right	18.12	/	/	16.44	/	/	<=30	Pass
		Outer Full	17.42	/	/	15.74	/	/	<=30	Pass
		Inner Full	17.79	/	/	16.11	/	/	<=30	Pass
		Inner 1RB Left	18.05	/	/	16.37	/	/	<=30	Pass
		Inner 1RB Right	18.12	/	/	16.44	/	/	<=30	Pass
	3975	Edge 1RB Left	18.18	/	/	16.50	/	/	<=30	Pass
		Edge 1RB Right	17.95	/	/	16.27	/	/	<=30	Pass
		Outer Full	17.10	/	/	15.42	/	/	<=30	Pass
		Inner Full	17.52	/	/	15.84	/	/	<=30	Pass
		Inner 1RB Left	17.57	/	/	15.89	/	/	<=30	Pass
		Inner 1RB Right	17.98	/	/	16.30	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: -1.68dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.2 15k_SISO_15MHz_NTNV_EIRP

5G NR n77a SCS=15kHz SISO 15MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3707.505	Edge 1RB Left	23.65	/	/	21.97	/	/	<=30	Pass
		Edge 1RB Right	24.31	/	/	22.63	/	/	<=30	Pass
		Outer Full	23.28	/	/	21.60	/	/	<=30	Pass
		Inner Full	22.91	/	/	21.23	/	/	<=30	Pass
		Inner 1RB Left	23.55	/	/	21.87	/	/	<=30	Pass
		Inner 1RB Right	24.19	/	/	22.51	/	/	<=30	Pass
	3840	Edge 1RB Left	22.09	/	/	20.41	/	/	<=30	Pass
		Edge 1RB Right	21.41	/	/	19.73	/	/	<=30	Pass
		Outer Full	20.98	/	/	19.30	/	/	<=30	Pass
		Inner Full	20.61	/	/	18.93	/	/	<=30	Pass
		Inner 1RB Left	21.81	/	/	20.13	/	/	<=30	Pass
		Inner 1RB Right	21.27	/	/	19.59	/	/	<=30	Pass

	3972.495	Edge 1RB Left	22.24	/	/	20.56	/	/	<=30	Pass
		Edge 1RB Right	21.59	/	/	19.91	/	/	<=30	Pass
		Outer Full	21.10	/	/	19.42	/	/	<=30	Pass
		Inner Full	20.55	/	/	18.87	/	/	<=30	Pass
		Inner 1RB Left	22.02	/	/	20.34	/	/	<=30	Pass
		Inner 1RB Right	21.57	/	/	19.89	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3707.505	Edge 1RB Left	23.76	/	/	22.08	/	/	<=30	Pass
		Edge 1RB Right	24.26	/	/	22.58	/	/	<=30	Pass
		Outer Full	23.10	/	/	21.42	/	/	<=30	Pass
		Inner Full	22.87	/	/	21.19	/	/	<=30	Pass
		Inner 1RB Left	23.61	/	/	21.93	/	/	<=30	Pass
		Inner 1RB Right	24.25	/	/	22.57	/	/	<=30	Pass
	3840	Edge 1RB Left	21.94	/	/	20.26	/	/	<=30	Pass
		Edge 1RB Right	21.16	/	/	19.48	/	/	<=30	Pass
		Outer Full	20.82	/	/	19.14	/	/	<=30	Pass
		Inner Full	20.57	/	/	18.89	/	/	<=30	Pass
		Inner 1RB Left	21.73	/	/	20.05	/	/	<=30	Pass
		Inner 1RB Right	21.23	/	/	19.55	/	/	<=30	Pass
	3972.495	Edge 1RB Left	22.15	/	/	20.47	/	/	<=30	Pass
		Edge 1RB Right	21.24	/	/	19.56	/	/	<=30	Pass
		Outer Full	20.90	/	/	19.22	/	/	<=30	Pass
		Inner Full	20.54	/	/	18.86	/	/	<=30	Pass
		Inner 1RB Left	21.88	/	/	20.20	/	/	<=30	Pass
		Inner 1RB Right	21.29	/	/	19.61	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3707.505	Edge 1RB Left	23.76	/	/	22.08	/	/	<=30	Pass
		Edge 1RB Right	24.39	/	/	22.71	/	/	<=30	Pass
		Outer Full	23.13	/	/	21.45	/	/	<=30	Pass
		Inner Full	22.87	/	/	21.19	/	/	<=30	Pass
		Inner 1RB Left	23.66	/	/	21.98	/	/	<=30	Pass
		Inner 1RB Right	24.31	/	/	22.63	/	/	<=30	Pass
	3840	Edge 1RB Left	22.04	/	/	20.36	/	/	<=30	Pass
		Edge 1RB Right	21.32	/	/	19.64	/	/	<=30	Pass
		Outer Full	20.89	/	/	19.21	/	/	<=30	Pass
		Inner Full	20.58	/	/	18.90	/	/	<=30	Pass
		Inner 1RB Left	21.78	/	/	20.10	/	/	<=30	Pass
		Inner 1RB Right	21.33	/	/	19.65	/	/	<=30	Pass
	3972.495	Edge 1RB Left	22.15	/	/	20.47	/	/	<=30	Pass
		Edge 1RB Right	21.75	/	/	20.07	/	/	<=30	Pass
		Outer Full	20.92	/	/	19.24	/	/	<=30	Pass
		Inner Full	20.53	/	/	18.85	/	/	<=30	Pass
		Inner 1RB Left	21.87	/	/	20.19	/	/	<=30	Pass
		Inner 1RB Right	21.68	/	/	20.00	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3707.505	Edge 1RB Left	23.00	/	/	21.32	/	/	<=30	Pass
		Edge 1RB Right	23.49	/	/	21.81	/	/	<=30	Pass
		Outer Full	22.13	/	/	20.45	/	/	<=30	Pass
		Inner Full	22.38	/	/	20.70	/	/	<=30	Pass
		Inner 1RB Left	22.75	/	/	21.07	/	/	<=30	Pass
		Inner 1RB Right	23.37	/	/	21.69	/	/	<=30	Pass
	3840	Edge 1RB Left	21.35	/	/	19.67	/	/	<=30	Pass
		Edge 1RB Right	20.55	/	/	18.87	/	/	<=30	Pass
		Outer Full	19.60	/	/	17.92	/	/	<=30	Pass
		Inner Full	19.87	/	/	18.19	/	/	<=30	Pass
		Inner 1RB Left	21.02	/	/	19.34	/	/	<=30	Pass
		Inner 1RB Right	20.45	/	/	18.77	/	/	<=30	Pass
	3972.495	Edge 1RB Left	21.14	/	/	19.46	/	/	<=30	Pass
		Edge 1RB Right	20.36	/	/	18.68	/	/	<=30	Pass
		Outer Full	19.44	/	/	17.76	/	/	<=30	Pass
		Inner Full	19.57	/	/	17.89	/	/	<=30	Pass
		Inner 1RB Left	20.90	/	/	19.22	/	/	<=30	Pass

CP-OFDM QPSK	3707.505	Inner_1RB_Right	20.38	/	/	18.70	/	/	<=30	Pass
		Edge_1RB_Left	23.46	/	/	21.78	/	/	<=30	Pass
		Edge_1RB_Right	23.97	/	/	22.29	/	/	<=30	Pass
		Outer_Full	23.12	/	/	21.44	/	/	<=30	Pass
		Inner_Full	22.89	/	/	21.21	/	/	<=30	Pass
		Inner_1RB_Left	23.36	/	/	21.68	/	/	<=30	Pass
	3840	Inner_1RB_Right	24.11	/	/	22.43	/	/	<=30	Pass
		Edge_1RB_Left	22.12	/	/	20.44	/	/	<=30	Pass
		Edge_1RB_Right	21.30	/	/	19.62	/	/	<=30	Pass
		Outer_Full	20.87	/	/	19.19	/	/	<=30	Pass
		Inner_Full	20.68	/	/	19.00	/	/	<=30	Pass
		Inner_1RB_Left	21.81	/	/	20.13	/	/	<=30	Pass
	3972.495	Inner_1RB_Right	21.36	/	/	19.68	/	/	<=30	Pass
		Edge_1RB_Left	21.98	/	/	20.30	/	/	<=30	Pass
		Edge_1RB_Right	21.35	/	/	19.67	/	/	<=30	Pass
		Outer_Full	20.89	/	/	19.21	/	/	<=30	Pass
		Inner_Full	20.42	/	/	18.74	/	/	<=30	Pass
		Inner_1RB_Left	21.90	/	/	20.22	/	/	<=30	Pass
CP-OFDM 16 QAM	3707.505	Inner_1RB_Right	21.40	/	/	19.72	/	/	<=30	Pass
		Edge_1RB_Left	23.23	/	/	21.55	/	/	<=30	Pass
		Edge_1RB_Right	24.13	/	/	22.45	/	/	<=30	Pass
		Outer_Full	23.14	/	/	21.46	/	/	<=30	Pass
		Inner_Full	22.88	/	/	21.20	/	/	<=30	Pass
		Inner_1RB_Left	23.45	/	/	21.77	/	/	<=30	Pass
	3840	Inner_1RB_Right	24.16	/	/	22.48	/	/	<=30	Pass
		Edge_1RB_Left	21.78	/	/	20.10	/	/	<=30	Pass
		Edge_1RB_Right	21.27	/	/	19.59	/	/	<=30	Pass
		Outer_Full	20.85	/	/	19.17	/	/	<=30	Pass
		Inner_Full	20.60	/	/	18.92	/	/	<=30	Pass
		Inner_1RB_Left	21.75	/	/	20.07	/	/	<=30	Pass
	3972.495	Inner_1RB_Right	21.22	/	/	19.54	/	/	<=30	Pass
		Edge_1RB_Left	21.65	/	/	19.97	/	/	<=30	Pass
		Edge_1RB_Right	21.47	/	/	19.79	/	/	<=30	Pass
		Outer_Full	20.82	/	/	19.14	/	/	<=30	Pass
		Inner_Full	20.45	/	/	18.77	/	/	<=30	Pass
		Inner_1RB_Left	21.94	/	/	20.26	/	/	<=30	Pass
CP-OFDM 64 QAM	3707.505	Inner_1RB_Right	21.47	/	/	19.79	/	/	<=30	Pass
		Edge_1RB_Left	23.75	/	/	22.07	/	/	<=30	Pass
		Edge_1RB_Right	24.27	/	/	22.59	/	/	<=30	Pass
		Outer_Full	22.65	/	/	20.97	/	/	<=30	Pass
		Inner_Full	22.90	/	/	21.22	/	/	<=30	Pass
		Inner_1RB_Left	23.60	/	/	21.92	/	/	<=30	Pass
	3840	Inner_1RB_Right	24.28	/	/	22.60	/	/	<=30	Pass
		Edge_1RB_Left	21.92	/	/	20.24	/	/	<=30	Pass
		Edge_1RB_Right	21.37	/	/	19.69	/	/	<=30	Pass
		Outer_Full	20.32	/	/	18.64	/	/	<=30	Pass
		Inner_Full	20.57	/	/	18.89	/	/	<=30	Pass
		Inner_1RB_Left	21.84	/	/	20.16	/	/	<=30	Pass
	3972.495	Inner_1RB_Right	21.29	/	/	19.61	/	/	<=30	Pass
		Edge_1RB_Left	22.07	/	/	20.39	/	/	<=30	Pass
		Edge_1RB_Right	21.49	/	/	19.81	/	/	<=30	Pass
		Outer_Full	20.32	/	/	18.64	/	/	<=30	Pass
		Inner_Full	20.45	/	/	18.77	/	/	<=30	Pass
		Inner_1RB_Left	22.05	/	/	20.37	/	/	<=30	Pass
CP-OFDM 256 QAM	3707.505	Inner_1RB_Right	21.63	/	/	19.95	/	/	<=30	Pass
		Edge_1RB_Left	21.39	/	/	19.71	/	/	<=30	Pass
		Edge_1RB_Right	21.81	/	/	20.13	/	/	<=30	Pass
		Outer_Full	20.44	/	/	18.76	/	/	<=30	Pass
		Inner_Full	20.70	/	/	19.02	/	/	<=30	Pass

		Inner_1RB_Left	21.15	/	/	19.47	/	/	<=30	Pass
		Inner_1RB_Right	21.88	/	/	20.20	/	/	<=30	Pass
	3840	Edge_1RB_Left	19.36	/	/	17.68	/	/	<=30	Pass
		Edge_1RB_Right	18.74	/	/	17.06	/	/	<=30	Pass
		Outer_Full	17.71	/	/	16.03	/	/	<=30	Pass
		Inner_Full	17.92	/	/	16.24	/	/	<=30	Pass
		Inner_1RB_Left	19.11	/	/	17.43	/	/	<=30	Pass
		Inner_1RB_Right	18.75	/	/	17.07	/	/	<=30	Pass
	3972.495	Edge_1RB_Left	19.25	/	/	17.57	/	/	<=30	Pass
		Edge_1RB_Right	18.62	/	/	16.94	/	/	<=30	Pass
		Outer_Full	17.45	/	/	15.77	/	/	<=30	Pass
		Inner_Full	17.60	/	/	15.92	/	/	<=30	Pass
		Inner_1RB_Left	19.05	/	/	17.37	/	/	<=30	Pass
		Inner_1RB_Right	18.55	/	/	16.87	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: -1.68dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.3 15k_SISO_20MHz_NTNV_EIRP

5G NR n77a SCS=15kHz SISO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3710.01	Edge 1RB Left	24.09	/	/	22.41	/	/	<=30	Pass
		Edge 1RB Right	24.61	/	/	22.93	/	/	<=30	Pass
		Outer Full	23.56	/	/	21.88	/	/	<=30	Pass
		Inner Full	23.10	/	/	21.42	/	/	<=30	Pass
		Inner 1RB Left	23.83	/	/	22.15	/	/	<=30	Pass
	3840	Inner 1RB Right	24.63	/	/	22.95	/	/	<=30	Pass
		Edge 1RB Left	22.35	/	/	20.67	/	/	<=30	Pass
		Edge 1RB Right	21.47	/	/	19.79	/	/	<=30	Pass
		Outer Full	21.12	/	/	19.44	/	/	<=30	Pass
		Inner Full	20.54	/	/	18.86	/	/	<=30	Pass
	3969.99	Inner 1RB Left	22.11	/	/	20.43	/	/	<=30	Pass
		Inner 1RB Right	21.49	/	/	19.81	/	/	<=30	Pass
		Edge 1RB Left	22.62	/	/	20.94	/	/	<=30	Pass
		Edge 1RB Right	21.86	/	/	20.18	/	/	<=30	Pass
		Outer Full	21.51	/	/	19.83	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3710.01	Inner Full	20.91	/	/	19.23	/	/	<=30	Pass
		Inner 1RB Left	22.34	/	/	20.66	/	/	<=30	Pass
		Inner 1RB Right	22.02	/	/	20.34	/	/	<=30	Pass
	3840	Edge 1RB Left	24.03	/	/	22.35	/	/	<=30	Pass
		Edge 1RB Right	24.65	/	/	22.97	/	/	<=30	Pass
		Outer Full	23.44	/	/	21.76	/	/	<=30	Pass
		Inner Full	23.05	/	/	21.37	/	/	<=30	Pass
	3969.99	Inner 1RB Left	23.83	/	/	22.15	/	/	<=30	Pass
		Inner 1RB Right	24.64	/	/	22.96	/	/	<=30	Pass
		Edge 1RB Left	22.23	/	/	20.55	/	/	<=30	Pass
		Edge 1RB Right	21.04	/	/	19.36	/	/	<=30	Pass
		Outer Full	20.93	/	/	19.25	/	/	<=30	Pass
	3969.99	Inner Full	20.47	/	/	18.79	/	/	<=30	Pass
		Inner 1RB Left	22.10	/	/	20.42	/	/	<=30	Pass
		Inner 1RB Right	21.13	/	/	19.45	/	/	<=30	Pass
		Edge 1RB Left	22.46	/	/	20.78	/	/	<=30	Pass
		Edge 1RB Right	21.92	/	/	20.24	/	/	<=30	Pass
	3969.99	Outer Full	21.31	/	/	19.63	/	/	<=30	Pass
		Inner Full	20.85	/	/	19.17	/	/	<=30	Pass
		Inner 1RB Left	22.36	/	/	20.68	/	/	<=30	Pass

DFT-s-OFDM 64 QAM	3710.01	Inner_1RB_Right	21.82	/	/	20.14	/	/	<=30	Pass
		Edge_1RB_Left	23.74	/	/	22.06	/	/	<=30	Pass
		Edge_1RB_Right	24.34	/	/	22.66	/	/	<=30	Pass
		Outer_Full	23.46	/	/	21.78	/	/	<=30	Pass
		Inner_Full	23.05	/	/	21.37	/	/	<=30	Pass
		Inner_1RB_Left	23.61	/	/	21.93	/	/	<=30	Pass
	3840	Inner_1RB_Right	24.42	/	/	22.74	/	/	<=30	Pass
		Edge_1RB_Left	21.98	/	/	20.30	/	/	<=30	Pass
		Edge_1RB_Right	21.61	/	/	19.93	/	/	<=30	Pass
		Outer_Full	20.82	/	/	19.14	/	/	<=30	Pass
		Inner_Full	20.45	/	/	18.77	/	/	<=30	Pass
		Inner_1RB_Left	21.87	/	/	20.19	/	/	<=30	Pass
	3969.99	Inner_1RB_Right	21.61	/	/	19.93	/	/	<=30	Pass
		Edge_1RB_Left	22.41	/	/	20.73	/	/	<=30	Pass
		Edge_1RB_Right	21.67	/	/	19.99	/	/	<=30	Pass
		Outer_Full	21.26	/	/	19.58	/	/	<=30	Pass
		Inner_Full	20.88	/	/	19.20	/	/	<=30	Pass
		Inner_1RB_Left	22.30	/	/	20.62	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3710.01	Inner_1RB_Right	21.66	/	/	19.98	/	/	<=30	Pass
		Edge_1RB_Left	23.31	/	/	21.63	/	/	<=30	Pass
		Edge_1RB_Right	23.85	/	/	22.17	/	/	<=30	Pass
		Outer_Full	22.41	/	/	20.73	/	/	<=30	Pass
		Inner_Full	22.55	/	/	20.87	/	/	<=30	Pass
		Inner_1RB_Left	23.13	/	/	21.45	/	/	<=30	Pass
	3840	Inner_1RB_Right	23.88	/	/	22.20	/	/	<=30	Pass
		Edge_1RB_Left	21.52	/	/	19.84	/	/	<=30	Pass
		Edge_1RB_Right	20.62	/	/	18.94	/	/	<=30	Pass
		Outer_Full	19.61	/	/	17.93	/	/	<=30	Pass
		Inner_Full	19.74	/	/	18.06	/	/	<=30	Pass
		Inner_1RB_Left	21.23	/	/	19.55	/	/	<=30	Pass
	3969.99	Inner_1RB_Right	20.51	/	/	18.83	/	/	<=30	Pass
		Edge_1RB_Left	21.49	/	/	19.81	/	/	<=30	Pass
		Edge_1RB_Right	20.82	/	/	19.14	/	/	<=30	Pass
		Outer_Full	19.80	/	/	18.12	/	/	<=30	Pass
		Inner_Full	19.87	/	/	18.19	/	/	<=30	Pass
		Inner_1RB_Left	21.16	/	/	19.48	/	/	<=30	Pass
CP-OFDM QPSK	3710.01	Inner_1RB_Right	20.69	/	/	19.01	/	/	<=30	Pass
		Edge_1RB_Left	23.74	/	/	22.06	/	/	<=30	Pass
		Edge_1RB_Right	24.58	/	/	22.90	/	/	<=30	Pass
		Outer_Full	23.48	/	/	21.80	/	/	<=30	Pass
		Inner_Full	23.18	/	/	21.50	/	/	<=30	Pass
		Inner_1RB_Left	23.76	/	/	22.08	/	/	<=30	Pass
	3840	Inner_1RB_Right	24.50	/	/	22.82	/	/	<=30	Pass
		Edge_1RB_Left	22.29	/	/	20.61	/	/	<=30	Pass
		Edge_1RB_Right	21.39	/	/	19.71	/	/	<=30	Pass
		Outer_Full	21.01	/	/	19.33	/	/	<=30	Pass
		Inner_Full	20.52	/	/	18.84	/	/	<=30	Pass
		Inner_1RB_Left	22.09	/	/	20.41	/	/	<=30	Pass
	3969.99	Inner_1RB_Right	21.48	/	/	19.80	/	/	<=30	Pass
		Edge_1RB_Left	22.32	/	/	20.64	/	/	<=30	Pass
		Edge_1RB_Right	21.83	/	/	20.15	/	/	<=30	Pass
		Outer_Full	21.30	/	/	19.62	/	/	<=30	Pass
		Inner_Full	20.76	/	/	19.08	/	/	<=30	Pass
		Inner_1RB_Left	22.22	/	/	20.54	/	/	<=30	Pass
CP-OFDM 16 QAM	3710.01	Inner_1RB_Right	21.72	/	/	20.04	/	/	<=30	Pass
		Edge_1RB_Left	23.79	/	/	22.11	/	/	<=30	Pass
		Edge_1RB_Right	24.55	/	/	22.87	/	/	<=30	Pass
		Outer_Full	23.59	/	/	21.91	/	/	<=30	Pass
		Inner_Full	23.10	/	/	21.42	/	/	<=30	Pass

		Inner_1RB_Left	23.82	/	/	22.14	/	/	<=30	Pass
		Inner_1RB_Right	24.60	/	/	22.92	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.17	/	/	20.49	/	/	<=30	Pass
		Edge_1RB_Right	21.37	/	/	19.69	/	/	<=30	Pass
		Outer_Full	21.13	/	/	19.45	/	/	<=30	Pass
		Inner_Full	20.64	/	/	18.96	/	/	<=30	Pass
		Inner_1RB_Left	22.27	/	/	20.59	/	/	<=30	Pass
		Inner_1RB_Right	21.57	/	/	19.89	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	22.24	/	/	20.56	/	/	<=30	Pass
		Edge_1RB_Right	21.74	/	/	20.06	/	/	<=30	Pass
		Outer_Full	21.18	/	/	19.50	/	/	<=30	Pass
		Inner_Full	20.73	/	/	19.05	/	/	<=30	Pass
		Inner_1RB_Left	22.30	/	/	20.62	/	/	<=30	Pass
		Inner_1RB_Right	21.86	/	/	20.18	/	/	<=30	Pass
CP-OFDM 64 QAM	3710.01	Edge_1RB_Left	23.76	/	/	22.08	/	/	<=30	Pass
		Edge_1RB_Right	24.42	/	/	22.74	/	/	<=30	Pass
		Outer_Full	23.01	/	/	21.33	/	/	<=30	Pass
		Inner_Full	23.07	/	/	21.39	/	/	<=30	Pass
		Inner_1RB_Left	23.74	/	/	22.06	/	/	<=30	Pass
		Inner_1RB_Right	24.49	/	/	22.81	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.11	/	/	20.43	/	/	<=30	Pass
		Edge_1RB_Right	21.33	/	/	19.65	/	/	<=30	Pass
		Outer_Full	20.52	/	/	18.84	/	/	<=30	Pass
		Inner_Full	20.45	/	/	18.77	/	/	<=30	Pass
		Inner_1RB_Left	21.99	/	/	20.31	/	/	<=30	Pass
		Inner_1RB_Right	21.26	/	/	19.58	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	22.17	/	/	20.49	/	/	<=30	Pass
		Edge_1RB_Right	21.62	/	/	19.94	/	/	<=30	Pass
		Outer_Full	20.68	/	/	19.00	/	/	<=30	Pass
		Inner_Full	20.68	/	/	19.00	/	/	<=30	Pass
		Inner_1RB_Left	22.10	/	/	20.42	/	/	<=30	Pass
		Inner_1RB_Right	21.67	/	/	19.99	/	/	<=30	Pass
CP-OFDM 256 QAM	3710.01	Edge_1RB_Left	21.54	/	/	19.86	/	/	<=30	Pass
		Edge_1RB_Right	22.26	/	/	20.58	/	/	<=30	Pass
		Outer_Full	20.73	/	/	19.05	/	/	<=30	Pass
		Inner_Full	20.78	/	/	19.10	/	/	<=30	Pass
		Inner_1RB_Left	21.62	/	/	19.94	/	/	<=30	Pass
		Inner_1RB_Right	22.14	/	/	20.46	/	/	<=30	Pass
	3840	Edge_1RB_Left	19.70	/	/	18.02	/	/	<=30	Pass
		Edge_1RB_Right	18.81	/	/	17.13	/	/	<=30	Pass
		Outer_Full	17.80	/	/	16.12	/	/	<=30	Pass
		Inner_Full	17.83	/	/	16.15	/	/	<=30	Pass
		Inner_1RB_Left	19.37	/	/	17.69	/	/	<=30	Pass
		Inner_1RB_Right	18.71	/	/	17.03	/	/	<=30	Pass
	3969.99	Edge_1RB_Left	19.51	/	/	17.83	/	/	<=30	Pass
		Edge_1RB_Right	18.94	/	/	17.26	/	/	<=30	Pass
		Outer_Full	17.84	/	/	16.16	/	/	<=30	Pass
		Inner_Full	17.88	/	/	16.20	/	/	<=30	Pass
		Inner_1RB_Left	19.42	/	/	17.74	/	/	<=30	Pass
		Inner_1RB_Right	18.83	/	/	17.15	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: -1.68dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.4 15k_SISO_25MHz_NTNV_EIRP

5G NR n77a SCS=15kHz SISO 25MHz NTN					
Modulation	Frequency	RB	Conducted Power(dBm)	EIRP(dBm)	Verdict

	(MHz)	Allocation	Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3712.5	Edge 1RB Left	22.94	/	/	21.26	/	/	<=30	Pass
		Edge 1RB Right	23.28	/	/	21.60	/	/	<=30	Pass
		Outer Full	23.76	/	/	22.08	/	/	<=30	Pass
		Inner Full	23.26	/	/	21.58	/	/	<=30	Pass
		Inner 1RB Left	22.58	/	/	20.90	/	/	<=30	Pass
		Inner 1RB Right	23.59	/	/	21.91	/	/	<=30	Pass
	3840	Edge 1RB Left	21.18	/	/	19.50	/	/	<=30	Pass
		Edge 1RB Right	20.00	/	/	18.32	/	/	<=30	Pass
		Outer Full	21.30	/	/	19.62	/	/	<=30	Pass
		Inner Full	20.80	/	/	19.12	/	/	<=30	Pass
		Inner 1RB Left	20.96	/	/	19.28	/	/	<=30	Pass
		Inner 1RB Right	20.36	/	/	18.68	/	/	<=30	Pass
	3967.5	Edge 1RB Left	20.86	/	/	19.18	/	/	<=30	Pass
		Edge 1RB Right	20.22	/	/	18.54	/	/	<=30	Pass
		Outer Full	21.04	/	/	19.36	/	/	<=30	Pass
		Inner Full	20.55	/	/	18.87	/	/	<=30	Pass
		Inner 1RB Left	20.53	/	/	18.85	/	/	<=30	Pass
		Inner 1RB Right	20.36	/	/	18.68	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3712.5	Edge 1RB Left	22.74	/	/	21.06	/	/	<=30	Pass
		Edge 1RB Right	23.21	/	/	21.53	/	/	<=30	Pass
		Outer Full	23.68	/	/	22.00	/	/	<=30	Pass
		Inner Full	23.20	/	/	21.52	/	/	<=30	Pass
		Inner 1RB Left	22.42	/	/	20.74	/	/	<=30	Pass
		Inner 1RB Right	23.49	/	/	21.81	/	/	<=30	Pass
	3840	Edge 1RB Left	21.10	/	/	19.42	/	/	<=30	Pass
		Edge 1RB Right	19.94	/	/	18.26	/	/	<=30	Pass
		Outer Full	21.16	/	/	19.48	/	/	<=30	Pass
		Inner Full	20.72	/	/	19.04	/	/	<=30	Pass
		Inner 1RB Left	20.62	/	/	18.94	/	/	<=30	Pass
		Inner 1RB Right	20.25	/	/	18.57	/	/	<=30	Pass
	3967.5	Edge 1RB Left	20.69	/	/	19.01	/	/	<=30	Pass
		Edge 1RB Right	19.97	/	/	18.29	/	/	<=30	Pass
		Outer Full	20.94	/	/	19.26	/	/	<=30	Pass
		Inner Full	20.42	/	/	18.74	/	/	<=30	Pass
		Inner 1RB Left	20.27	/	/	18.59	/	/	<=30	Pass
		Inner 1RB Right	20.20	/	/	18.52	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3712.5	Edge 1RB Left	22.47	/	/	20.79	/	/	<=30	Pass
		Edge 1RB Right	23.33	/	/	21.65	/	/	<=30	Pass
		Outer Full	23.65	/	/	21.97	/	/	<=30	Pass
		Inner Full	23.24	/	/	21.56	/	/	<=30	Pass
		Inner 1RB Left	22.28	/	/	20.60	/	/	<=30	Pass
		Inner 1RB Right	23.69	/	/	22.01	/	/	<=30	Pass
	3840	Edge 1RB Left	20.92	/	/	19.24	/	/	<=30	Pass
		Edge 1RB Right	19.99	/	/	18.31	/	/	<=30	Pass
		Outer Full	21.11	/	/	19.43	/	/	<=30	Pass
		Inner Full	20.76	/	/	19.08	/	/	<=30	Pass
		Inner 1RB Left	20.67	/	/	18.99	/	/	<=30	Pass
		Inner 1RB Right	20.08	/	/	18.40	/	/	<=30	Pass
	3967.5	Edge 1RB Left	20.67	/	/	18.99	/	/	<=30	Pass
		Edge 1RB Right	20.06	/	/	18.38	/	/	<=30	Pass
		Outer Full	20.89	/	/	19.21	/	/	<=30	Pass
		Inner Full	20.49	/	/	18.81	/	/	<=30	Pass
		Inner 1RB Left	20.37	/	/	18.69	/	/	<=30	Pass
		Inner 1RB Right	20.26	/	/	18.58	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3712.5	Edge 1RB Left	22.21	/	/	20.53	/	/	<=30	Pass
		Edge 1RB Right	22.69	/	/	21.01	/	/	<=30	Pass
		Outer Full	22.67	/	/	20.99	/	/	<=30	Pass
		Inner Full	22.75	/	/	21.07	/	/	<=30	Pass

		Inner_1RB_Left	21.92	/	/	20.24	/	/	<=30	Pass
		Inner_1RB_Right	22.98	/	/	21.30	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.46	/	/	18.78	/	/	<=30	Pass
		Edge_1RB_Right	19.26	/	/	17.58	/	/	<=30	Pass
		Outer_Full	19.88	/	/	18.20	/	/	<=30	Pass
		Inner_Full	20.02	/	/	18.34	/	/	<=30	Pass
		Inner_1RB_Left	20.10	/	/	18.42	/	/	<=30	Pass
		Inner_1RB_Right	19.56	/	/	17.88	/	/	<=30	Pass
	3967.5	Edge_1RB_Left	19.64	/	/	17.96	/	/	<=30	Pass
		Edge_1RB_Right	19.09	/	/	17.41	/	/	<=30	Pass
		Outer_Full	19.41	/	/	17.73	/	/	<=30	Pass
		Inner_Full	19.52	/	/	17.84	/	/	<=30	Pass
		Inner_1RB_Left	19.47	/	/	17.79	/	/	<=30	Pass
		Inner_1RB_Right	19.38	/	/	17.70	/	/	<=30	Pass
CP-OFDM QPSK	3712.5	Edge_1RB_Left	22.67	/	/	20.99	/	/	<=30	Pass
		Edge_1RB_Right	23.38	/	/	21.70	/	/	<=30	Pass
		Outer_Full	23.60	/	/	21.92	/	/	<=30	Pass
		Inner_Full	23.19	/	/	21.51	/	/	<=30	Pass
		Inner_1RB_Left	22.56	/	/	20.88	/	/	<=30	Pass
		Inner_1RB_Right	23.53	/	/	21.85	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.27	/	/	19.59	/	/	<=30	Pass
		Edge_1RB_Right	20.05	/	/	18.37	/	/	<=30	Pass
		Outer_Full	21.12	/	/	19.44	/	/	<=30	Pass
		Inner_Full	20.66	/	/	18.98	/	/	<=30	Pass
		Inner_1RB_Left	20.99	/	/	19.31	/	/	<=30	Pass
		Inner_1RB_Right	20.20	/	/	18.52	/	/	<=30	Pass
	3967.5	Edge_1RB_Left	20.57	/	/	18.89	/	/	<=30	Pass
		Edge_1RB_Right	20.15	/	/	18.47	/	/	<=30	Pass
		Outer_Full	20.77	/	/	19.09	/	/	<=30	Pass
		Inner_Full	20.36	/	/	18.68	/	/	<=30	Pass
		Inner_1RB_Left	20.46	/	/	18.78	/	/	<=30	Pass
		Inner_1RB_Right	20.32	/	/	18.64	/	/	<=30	Pass
CP-OFDM 16 QAM	3712.5	Edge_1RB_Left	22.67	/	/	20.99	/	/	<=30	Pass
		Edge_1RB_Right	23.46	/	/	21.78	/	/	<=30	Pass
		Outer_Full	23.56	/	/	21.88	/	/	<=30	Pass
		Inner_Full	23.36	/	/	21.68	/	/	<=30	Pass
		Inner_1RB_Left	22.65	/	/	20.97	/	/	<=30	Pass
		Inner_1RB_Right	23.70	/	/	22.02	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.00	/	/	19.32	/	/	<=30	Pass
		Edge_1RB_Right	20.32	/	/	18.64	/	/	<=30	Pass
		Outer_Full	21.17	/	/	19.49	/	/	<=30	Pass
		Inner_Full	20.70	/	/	19.02	/	/	<=30	Pass
		Inner_1RB_Left	20.81	/	/	19.13	/	/	<=30	Pass
		Inner_1RB_Right	20.27	/	/	18.59	/	/	<=30	Pass
	3967.5	Edge_1RB_Left	20.53	/	/	18.85	/	/	<=30	Pass
		Edge_1RB_Right	20.01	/	/	18.33	/	/	<=30	Pass
		Outer_Full	20.70	/	/	19.02	/	/	<=30	Pass
		Inner_Full	20.35	/	/	18.67	/	/	<=30	Pass
		Inner_1RB_Left	20.46	/	/	18.78	/	/	<=30	Pass
		Inner_1RB_Right	20.42	/	/	18.74	/	/	<=30	Pass
CP-OFDM 64 QAM	3712.5	Edge_1RB_Left	22.67	/	/	20.99	/	/	<=30	Pass
		Edge_1RB_Right	23.66	/	/	21.98	/	/	<=30	Pass
		Outer_Full	23.22	/	/	21.54	/	/	<=30	Pass
		Inner_Full	23.28	/	/	21.60	/	/	<=30	Pass
		Inner_1RB_Left	22.44	/	/	20.76	/	/	<=30	Pass
		Inner_1RB_Right	23.91	/	/	22.23	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.35	/	/	19.67	/	/	<=30	Pass
		Edge_1RB_Right	20.03	/	/	18.35	/	/	<=30	Pass
		Outer_Full	20.64	/	/	18.96	/	/	<=30	Pass

		Inner_Full	20.66	/	/	18.98	/	/	<=30	Pass
		Inner_1RB_Left	21.09	/	/	19.41	/	/	<=30	Pass
		Inner_1RB_Right	20.08	/	/	18.40	/	/	<=30	Pass
	3967.5	Edge_1RB_Left	20.81	/	/	19.13	/	/	<=30	Pass
		Edge_1RB_Right	20.14	/	/	18.46	/	/	<=30	Pass
		Outer_Full	20.28	/	/	18.60	/	/	<=30	Pass
		Inner_Full	20.40	/	/	18.72	/	/	<=30	Pass
		Inner_1RB_Left	20.53	/	/	18.85	/	/	<=30	Pass
		Inner_1RB_Right	20.45	/	/	18.77	/	/	<=30	Pass
CP-OFDM 256 QAM	3712.5	Edge_1RB_Left	20.39	/	/	18.71	/	/	<=30	Pass
		Edge_1RB_Right	21.10	/	/	19.42	/	/	<=30	Pass
		Outer_Full	20.82	/	/	19.14	/	/	<=30	Pass
		Inner_Full	20.99	/	/	19.31	/	/	<=30	Pass
		Inner_1RB_Left	20.26	/	/	18.58	/	/	<=30	Pass
		Inner_1RB_Right	21.24	/	/	19.56	/	/	<=30	Pass
	3840	Edge_1RB_Left	18.33	/	/	16.65	/	/	<=30	Pass
		Edge_1RB_Right	17.44	/	/	15.76	/	/	<=30	Pass
		Outer_Full	17.87	/	/	16.19	/	/	<=30	Pass
		Inner_Full	18.00	/	/	16.32	/	/	<=30	Pass
		Inner_1RB_Left	18.20	/	/	16.52	/	/	<=30	Pass
		Inner_1RB_Right	17.78	/	/	16.10	/	/	<=30	Pass
	3967.5	Edge_1RB_Left	17.67	/	/	15.99	/	/	<=30	Pass
		Edge_1RB_Right	17.04	/	/	15.36	/	/	<=30	Pass
		Outer_Full	17.35	/	/	15.67	/	/	<=30	Pass
		Inner_Full	17.51	/	/	15.83	/	/	<=30	Pass
		Inner_1RB_Left	17.61	/	/	15.93	/	/	<=30	Pass
		Inner_1RB_Right	17.37	/	/	15.69	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: -1.68dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.5 15k_SISO_30MHz_NTNV_EIRP

5G NR n77a SCS=15kHz SISO 30MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3715.005	Edge_1RB_Left	23.66	/	/	21.98	/	/	<=30	Pass
		Edge_1RB_Right	24.64	/	/	22.96	/	/	<=30	Pass
		Outer_Full	23.46	/	/	21.78	/	/	<=30	Pass
		Inner_Full	22.95	/	/	21.27	/	/	<=30	Pass
		Inner_1RB_Left	23.60	/	/	21.92	/	/	<=30	Pass
		Inner_1RB_Right	24.65	/	/	22.97	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.41	/	/	20.73	/	/	<=30	Pass
		Edge_1RB_Right	21.33	/	/	19.65	/	/	<=30	Pass
		Outer_Full	21.11	/	/	19.43	/	/	<=30	Pass
		Inner_Full	20.52	/	/	18.84	/	/	<=30	Pass
		Inner_1RB_Left	22.29	/	/	20.61	/	/	<=30	Pass
		Inner_1RB_Right	21.32	/	/	19.64	/	/	<=30	Pass
	3964.995	Edge_1RB_Left	21.82	/	/	20.14	/	/	<=30	Pass
		Edge_1RB_Right	21.25	/	/	19.57	/	/	<=30	Pass
		Outer_Full	20.75	/	/	19.07	/	/	<=30	Pass
		Inner_Full	20.30	/	/	18.62	/	/	<=30	Pass
		Inner_1RB_Left	21.74	/	/	20.06	/	/	<=30	Pass
		Inner_1RB_Right	21.25	/	/	19.57	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3715.005	Edge_1RB_Left	23.51	/	/	21.83	/	/	<=30	Pass
		Edge_1RB_Right	24.23	/	/	22.55	/	/	<=30	Pass
		Outer_Full	23.36	/	/	21.68	/	/	<=30	Pass
		Inner_Full	22.92	/	/	21.24	/	/	<=30	Pass

		Inner_1RB_Left	23.44	/	/	21.76	/	/	<=30	Pass
		Inner_1RB_Right	24.25	/	/	22.57	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.36	/	/	20.68	/	/	<=30	Pass
		Edge_1RB_Right	21.27	/	/	19.59	/	/	<=30	Pass
		Outer_Full	20.94	/	/	19.26	/	/	<=30	Pass
		Inner_Full	20.48	/	/	18.80	/	/	<=30	Pass
		Inner_1RB_Left	22.27	/	/	20.59	/	/	<=30	Pass
		Inner_1RB_Right	21.31	/	/	19.63	/	/	<=30	Pass
	3964.995	Edge_1RB_Left	21.83	/	/	20.15	/	/	<=30	Pass
		Edge_1RB_Right	21.28	/	/	19.60	/	/	<=30	Pass
		Outer_Full	20.63	/	/	18.95	/	/	<=30	Pass
		Inner_Full	20.27	/	/	18.59	/	/	<=30	Pass
		Inner_1RB_Left	21.74	/	/	20.06	/	/	<=30	Pass
		Inner_1RB_Right	21.34	/	/	19.66	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3715.005	Edge_1RB_Left	23.61	/	/	21.93	/	/	<=30	Pass
		Edge_1RB_Right	24.73	/	/	23.05	/	/	<=30	Pass
		Outer_Full	23.34	/	/	21.66	/	/	<=30	Pass
		Inner_Full	22.93	/	/	21.25	/	/	<=30	Pass
		Inner_1RB_Left	23.74	/	/	22.06	/	/	<=30	Pass
		Inner_1RB_Right	24.77	/	/	23.09	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.32	/	/	20.64	/	/	<=30	Pass
		Edge_1RB_Right	21.24	/	/	19.56	/	/	<=30	Pass
		Outer_Full	20.92	/	/	19.24	/	/	<=30	Pass
		Inner_Full	20.48	/	/	18.80	/	/	<=30	Pass
		Inner_1RB_Left	22.23	/	/	20.55	/	/	<=30	Pass
		Inner_1RB_Right	21.27	/	/	19.59	/	/	<=30	Pass
	3964.995	Edge_1RB_Left	21.79	/	/	20.11	/	/	<=30	Pass
		Edge_1RB_Right	21.38	/	/	19.70	/	/	<=30	Pass
		Outer_Full	20.62	/	/	18.94	/	/	<=30	Pass
		Inner_Full	20.27	/	/	18.59	/	/	<=30	Pass
		Inner_1RB_Left	21.69	/	/	20.01	/	/	<=30	Pass
		Inner_1RB_Right	21.42	/	/	19.74	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3715.005	Edge_1RB_Left	23.14	/	/	21.46	/	/	<=30	Pass
		Edge_1RB_Right	24.00	/	/	22.32	/	/	<=30	Pass
		Outer_Full	22.54	/	/	20.86	/	/	<=30	Pass
		Inner_Full	22.60	/	/	20.92	/	/	<=30	Pass
		Inner_1RB_Left	23.07	/	/	21.39	/	/	<=30	Pass
		Inner_1RB_Right	24.04	/	/	22.36	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.48	/	/	19.80	/	/	<=30	Pass
		Edge_1RB_Right	20.40	/	/	18.72	/	/	<=30	Pass
		Outer_Full	19.68	/	/	18.00	/	/	<=30	Pass
		Inner_Full	19.73	/	/	18.05	/	/	<=30	Pass
		Inner_1RB_Left	21.38	/	/	19.70	/	/	<=30	Pass
		Inner_1RB_Right	20.41	/	/	18.73	/	/	<=30	Pass
	3964.995	Edge_1RB_Left	20.69	/	/	19.01	/	/	<=30	Pass
		Edge_1RB_Right	20.04	/	/	18.36	/	/	<=30	Pass
		Outer_Full	19.18	/	/	17.50	/	/	<=30	Pass
		Inner_Full	19.30	/	/	17.62	/	/	<=30	Pass
		Inner_1RB_Left	20.60	/	/	18.92	/	/	<=30	Pass
		Inner_1RB_Right	20.07	/	/	18.39	/	/	<=30	Pass
CP-OFDM QPSK	3715.005	Edge_1RB_Left	23.43	/	/	21.75	/	/	<=30	Pass
		Edge_1RB_Right	24.38	/	/	22.70	/	/	<=30	Pass
		Outer_Full	23.32	/	/	21.64	/	/	<=30	Pass
		Inner_Full	22.95	/	/	21.27	/	/	<=30	Pass
		Inner_1RB_Left	23.47	/	/	21.79	/	/	<=30	Pass
		Inner_1RB_Right	24.49	/	/	22.81	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.20	/	/	20.52	/	/	<=30	Pass
		Edge_1RB_Right	21.07	/	/	19.39	/	/	<=30	Pass
		Outer_Full	20.95	/	/	19.27	/	/	<=30	Pass

		Inner_Full	20.46	/	/	18.78	/	/	<=30	Pass
		Inner_1RB_Left	22.22	/	/	20.54	/	/	<=30	Pass
		Inner_1RB_Right	21.26	/	/	19.58	/	/	<=30	Pass
	3964.995	Edge_1RB_Left	21.63	/	/	19.95	/	/	<=30	Pass
		Edge_1RB_Right	20.89	/	/	19.21	/	/	<=30	Pass
		Outer_Full	20.57	/	/	18.89	/	/	<=30	Pass
		Inner_Full	20.17	/	/	18.49	/	/	<=30	Pass
		Inner_1RB_Left	21.66	/	/	19.98	/	/	<=30	Pass
		Inner_1RB_Right	21.01	/	/	19.33	/	/	<=30	Pass
		Edge_1RB_Left	23.27	/	/	21.59	/	/	<=30	Pass
CP-OFDM 16 QAM	3715.005	Edge_1RB_Right	24.47	/	/	22.79	/	/	<=30	Pass
		Outer_Full	23.33	/	/	21.65	/	/	<=30	Pass
		Inner_Full	22.94	/	/	21.26	/	/	<=30	Pass
		Inner_1RB_Left	23.67	/	/	21.99	/	/	<=30	Pass
		Inner_1RB_Right	24.69	/	/	23.01	/	/	<=30	Pass
		Edge_1RB_Left	22.12	/	/	20.44	/	/	<=30	Pass
	3840	Edge_1RB_Right	21.06	/	/	19.38	/	/	<=30	Pass
		Outer_Full	20.87	/	/	19.19	/	/	<=30	Pass
		Inner_Full	20.45	/	/	18.77	/	/	<=30	Pass
		Inner_1RB_Left	22.12	/	/	20.44	/	/	<=30	Pass
		Inner_1RB_Right	21.18	/	/	19.50	/	/	<=30	Pass
		Edge_1RB_Left	21.58	/	/	19.90	/	/	<=30	Pass
	3964.995	Edge_1RB_Right	21.09	/	/	19.41	/	/	<=30	Pass
		Outer_Full	20.49	/	/	18.81	/	/	<=30	Pass
		Inner_Full	20.17	/	/	18.49	/	/	<=30	Pass
		Inner_1RB_Left	21.76	/	/	20.08	/	/	<=30	Pass
		Inner_1RB_Right	21.21	/	/	19.53	/	/	<=30	Pass
		Edge_1RB_Left	23.74	/	/	22.06	/	/	<=30	Pass
CP-OFDM 64 QAM	3715.005	Edge_1RB_Right	24.68	/	/	23.00	/	/	<=30	Pass
		Outer_Full	22.85	/	/	21.17	/	/	<=30	Pass
		Inner_Full	22.95	/	/	21.27	/	/	<=30	Pass
		Inner_1RB_Left	23.75	/	/	22.07	/	/	<=30	Pass
		Inner_1RB_Right	24.78	/	/	23.10	/	/	<=30	Pass
		Edge_1RB_Left	22.26	/	/	20.58	/	/	<=30	Pass
	3840	Edge_1RB_Right	21.16	/	/	19.48	/	/	<=30	Pass
		Outer_Full	20.32	/	/	18.64	/	/	<=30	Pass
		Inner_Full	20.43	/	/	18.75	/	/	<=30	Pass
		Inner_1RB_Left	22.24	/	/	20.56	/	/	<=30	Pass
		Inner_1RB_Right	21.28	/	/	19.60	/	/	<=30	Pass
		Edge_1RB_Left	21.70	/	/	20.02	/	/	<=30	Pass
	3964.995	Edge_1RB_Right	21.19	/	/	19.51	/	/	<=30	Pass
		Outer_Full	19.99	/	/	18.31	/	/	<=30	Pass
		Inner_Full	20.15	/	/	18.47	/	/	<=30	Pass
		Inner_1RB_Left	21.69	/	/	20.01	/	/	<=30	Pass
		Inner_1RB_Right	21.28	/	/	19.60	/	/	<=30	Pass
		Edge_1RB_Left	21.57	/	/	19.89	/	/	<=30	Pass
CP-OFDM 256 QAM	3715.005	Edge_1RB_Right	22.25	/	/	20.57	/	/	<=30	Pass
		Outer_Full	20.72	/	/	19.04	/	/	<=30	Pass
		Inner_Full	20.84	/	/	19.16	/	/	<=30	Pass
		Inner_1RB_Left	21.56	/	/	19.88	/	/	<=30	Pass
		Inner_1RB_Right	22.37	/	/	20.69	/	/	<=30	Pass
		Edge_1RB_Left	19.67	/	/	17.99	/	/	<=30	Pass
	3840	Edge_1RB_Right	18.59	/	/	16.91	/	/	<=30	Pass
		Outer_Full	17.69	/	/	16.01	/	/	<=30	Pass
		Inner_Full	17.81	/	/	16.13	/	/	<=30	Pass
		Inner_1RB_Left	19.61	/	/	17.93	/	/	<=30	Pass
		Inner_1RB_Right	18.72	/	/	17.04	/	/	<=30	Pass
	3964.995	Edge_1RB_Left	18.86	/	/	17.18	/	/	<=30	Pass
		Edge_1RB_Right	18.18	/	/	16.50	/	/	<=30	Pass

		Outer_Full	17.21	/	/	15.53	/	/	<=30	Pass
		Inner_Full	17.35	/	/	15.67	/	/	<=30	Pass
		Inner_1RB_Left	18.84	/	/	17.16	/	/	<=30	Pass
		Inner_1RB_Right	18.28	/	/	16.60	/	/	<=30	Pass

Note1: Antenna Gain: Ant1: -1.68dBi;

Note2: EIRP=Conducted Power+Antenna Gain

1.1.6 15k_SISO_40MHz_NTNV_EIRP

5G NR n77a SCS=15kHz SISO 40MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3720	Edge_1RB_Left	24.47	/	/	22.79	/	/	<=30	Pass
		Edge_1RB_Right	25.22	/	/	23.54	/	/	<=30	Pass
		Outer_Full	24.16	/	/	22.48	/	/	<=30	Pass
		Inner_Full	23.50	/	/	21.82	/	/	<=30	Pass
		Inner_1RB_Left	24.40	/	/	22.72	/	/	<=30	Pass
		Inner_1RB_Right	25.24	/	/	23.56	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.52	/	/	20.84	/	/	<=30	Pass
		Edge_1RB_Right	21.40	/	/	19.72	/	/	<=30	Pass
		Outer_Full	21.19	/	/	19.51	/	/	<=30	Pass
		Inner_Full	20.44	/	/	18.76	/	/	<=30	Pass
		Inner_1RB_Left	22.47	/	/	20.79	/	/	<=30	Pass
		Inner_1RB_Right	21.41	/	/	19.73	/	/	<=30	Pass
	3960	Edge_1RB_Left	22.34	/	/	20.66	/	/	<=30	Pass
		Edge_1RB_Right	21.75	/	/	20.07	/	/	<=30	Pass
		Outer_Full	21.20	/	/	19.52	/	/	<=30	Pass
		Inner_Full	20.51	/	/	18.83	/	/	<=30	Pass
		Inner_1RB_Left	22.22	/	/	20.54	/	/	<=30	Pass
		Inner_1RB_Right	21.77	/	/	20.09	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3720	Edge_1RB_Left	24.34	/	/	22.66	/	/	<=30	Pass
		Edge_1RB_Right	25.07	/	/	23.39	/	/	<=30	Pass
		Outer_Full	24.06	/	/	22.38	/	/	<=30	Pass
		Inner_Full	23.47	/	/	21.79	/	/	<=30	Pass
		Inner_1RB_Left	24.29	/	/	22.61	/	/	<=30	Pass
		Inner_1RB_Right	25.11	/	/	23.43	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.17	/	/	20.49	/	/	<=30	Pass
		Edge_1RB_Right	20.97	/	/	19.29	/	/	<=30	Pass
		Outer_Full	21.04	/	/	19.36	/	/	<=30	Pass
		Inner_Full	20.41	/	/	18.73	/	/	<=30	Pass
		Inner_1RB_Left	22.10	/	/	20.42	/	/	<=30	Pass
		Inner_1RB_Right	21.04	/	/	19.36	/	/	<=30	Pass
	3960	Edge_1RB_Left	22.19	/	/	20.51	/	/	<=30	Pass
		Edge_1RB_Right	21.58	/	/	19.90	/	/	<=30	Pass
		Outer_Full	20.99	/	/	19.31	/	/	<=30	Pass
		Inner_Full	20.49	/	/	18.81	/	/	<=30	Pass
		Inner_1RB_Left	22.08	/	/	20.40	/	/	<=30	Pass
		Inner_1RB_Right	21.74	/	/	20.06	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3720	Edge_1RB_Left	24.19	/	/	22.51	/	/	<=30	Pass
		Edge_1RB_Right	25.24	/	/	23.56	/	/	<=30	Pass
		Outer_Full	24.01	/	/	22.33	/	/	<=30	Pass
		Inner_Full	23.46	/	/	21.78	/	/	<=30	Pass
		Inner_1RB_Left	24.13	/	/	22.45	/	/	<=30	Pass
		Inner_1RB_Right	25.29	/	/	23.61	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.62	/	/	20.94	/	/	<=30	Pass
		Edge_1RB_Right	21.48	/	/	19.80	/	/	<=30	Pass
		Outer_Full	21.01	/	/	19.33	/	/	<=30	Pass

		Inner_Full	20.41	/	/	18.73	/	/	<=30	Pass
		Inner_1RB_Left	22.55	/	/	20.87	/	/	<=30	Pass
		Inner_1RB_Right	21.54	/	/	19.86	/	/	<=30	Pass
	3960	Edge_1RB_Left	21.99	/	/	20.31	/	/	<=30	Pass
		Edge_1RB_Right	21.46	/	/	19.78	/	/	<=30	Pass
		Outer_Full	20.92	/	/	19.24	/	/	<=30	Pass
		Inner_Full	20.39	/	/	18.71	/	/	<=30	Pass
		Inner_1RB_Left	21.90	/	/	20.22	/	/	<=30	Pass
		Inner_1RB_Right	21.50	/	/	19.82	/	/	<=30	Pass
		Edge_1RB_Left	23.88	/	/	22.20	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3720	Edge_1RB_Right	24.62	/	/	22.94	/	/	<=30	Pass
		Outer_Full	23.21	/	/	21.53	/	/	<=30	Pass
		Inner_Full	23.13	/	/	21.45	/	/	<=30	Pass
		Inner_1RB_Left	23.84	/	/	22.16	/	/	<=30	Pass
		Inner_1RB_Right	24.66	/	/	22.98	/	/	<=30	Pass
		Edge_1RB_Left	21.60	/	/	19.92	/	/	<=30	Pass
	3840	Edge_1RB_Right	20.39	/	/	18.71	/	/	<=30	Pass
		Outer_Full	19.74	/	/	18.06	/	/	<=30	Pass
		Inner_Full	19.70	/	/	18.02	/	/	<=30	Pass
		Inner_1RB_Left	21.52	/	/	19.84	/	/	<=30	Pass
		Inner_1RB_Right	20.45	/	/	18.77	/	/	<=30	Pass
		Edge_1RB_Left	21.02	/	/	19.34	/	/	<=30	Pass
	3960	Edge_1RB_Right	20.50	/	/	18.82	/	/	<=30	Pass
		Outer_Full	19.41	/	/	17.73	/	/	<=30	Pass
		Inner_Full	19.43	/	/	17.75	/	/	<=30	Pass
		Inner_1RB_Left	20.96	/	/	19.28	/	/	<=30	Pass
		Inner_1RB_Right	20.54	/	/	18.86	/	/	<=30	Pass
		Edge_1RB_Left	24.22	/	/	22.54	/	/	<=30	Pass
CP-OFDM QPSK	3720	Edge_1RB_Right	24.99	/	/	23.31	/	/	<=30	Pass
		Outer_Full	23.99	/	/	22.31	/	/	<=30	Pass
		Inner_Full	23.39	/	/	21.71	/	/	<=30	Pass
		Inner_1RB_Left	24.23	/	/	22.55	/	/	<=30	Pass
		Inner_1RB_Right	25.08	/	/	23.40	/	/	<=30	Pass
		Edge_1RB_Left	22.27	/	/	20.59	/	/	<=30	Pass
	3840	Edge_1RB_Right	21.10	/	/	19.42	/	/	<=30	Pass
		Outer_Full	21.03	/	/	19.35	/	/	<=30	Pass
		Inner_Full	20.38	/	/	18.70	/	/	<=30	Pass
		Inner_1RB_Left	22.26	/	/	20.58	/	/	<=30	Pass
		Inner_1RB_Right	21.15	/	/	19.47	/	/	<=30	Pass
		Edge_1RB_Left	22.01	/	/	20.33	/	/	<=30	Pass
	3960	Edge_1RB_Right	21.46	/	/	19.78	/	/	<=30	Pass
		Outer_Full	20.83	/	/	19.15	/	/	<=30	Pass
		Inner_Full	20.29	/	/	18.61	/	/	<=30	Pass
		Inner_1RB_Left	21.99	/	/	20.31	/	/	<=30	Pass
		Inner_1RB_Right	21.47	/	/	19.79	/	/	<=30	Pass
		Edge_1RB_Left	24.14	/	/	22.46	/	/	<=30	Pass
CP-OFDM 16 QAM	3720	Edge_1RB_Right	25.08	/	/	23.40	/	/	<=30	Pass
		Outer_Full	23.94	/	/	22.26	/	/	<=30	Pass
		Inner_Full	23.37	/	/	21.69	/	/	<=30	Pass
		Inner_1RB_Left	24.25	/	/	22.57	/	/	<=30	Pass
		Inner_1RB_Right	25.11	/	/	23.43	/	/	<=30	Pass
		Edge_1RB_Left	22.07	/	/	20.39	/	/	<=30	Pass
	3840	Edge_1RB_Right	21.33	/	/	19.65	/	/	<=30	Pass
		Outer_Full	20.99	/	/	19.31	/	/	<=30	Pass
		Inner_Full	20.36	/	/	18.68	/	/	<=30	Pass
		Inner_1RB_Left	22.46	/	/	20.78	/	/	<=30	Pass
		Inner_1RB_Right	21.35	/	/	19.67	/	/	<=30	Pass
		Edge_1RB_Left	21.91	/	/	20.23	/	/	<=30	Pass
	3960	Edge_1RB_Right	21.47	/	/	19.79	/	/	<=30	Pass

Note1: Antenna Gain: Ant1: -1.68dBi;
Note2: EIRP=Conducted Power+Antenna Gain

1.1.7 15k_SISO_50MHz_NTNV_EIRP

5G NR n77a SCS=15kHz SISO 50MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3725.01	Edge_1RB_Left	23.16	/	/	21.48	/	/	<=30	Pass
		Edge_1RB_Right	23.92	/	/	22.24	/	/	<=30	Pass
		Outer_Full	24.16	/	/	22.48	/	/	<=30	Pass
		Inner_Full	23.60	/	/	21.92	/	/	<=30	Pass
		Inner_1RB_Left	23.21	/	/	21.53	/	/	<=30	Pass
		Inner_1RB_Right	24.03	/	/	22.35	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.06	/	/	19.38	/	/	<=30	Pass
		Edge_1RB_Right	19.84	/	/	18.16	/	/	<=30	Pass
		Outer_Full	21.01	/	/	19.33	/	/	<=30	Pass

		Inner_Full	20.37	/	/	18.69	/	/	<=30	Pass
		Inner_1RB_Left	21.05	/	/	19.37	/	/	<=30	Pass
		Inner_1RB_Right	19.96	/	/	18.28	/	/	<=30	Pass
	3954.99	Edge_1RB_Left	20.67	/	/	18.99	/	/	<=30	Pass
		Edge_1RB_Right	20.49	/	/	18.81	/	/	<=30	Pass
		Outer_Full	20.97	/	/	19.29	/	/	<=30	Pass
		Inner_Full	20.40	/	/	18.72	/	/	<=30	Pass
		Inner_1RB_Left	20.73	/	/	19.05	/	/	<=30	Pass
		Inner_1RB_Right	20.59	/	/	18.91	/	/	<=30	Pass
		Edge_1RB_Left	23.18	/	/	21.50	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3725.01	Edge_1RB_Right	23.92	/	/	22.24	/	/	<=30	Pass
		Outer_Full	24.08	/	/	22.40	/	/	<=30	Pass
		Inner_Full	23.57	/	/	21.89	/	/	<=30	Pass
		Inner_1RB_Left	23.20	/	/	21.52	/	/	<=30	Pass
		Inner_1RB_Right	24.07	/	/	22.39	/	/	<=30	Pass
		Edge_1RB_Left	20.93	/	/	19.25	/	/	<=30	Pass
	3840	Edge_1RB_Right	19.71	/	/	18.03	/	/	<=30	Pass
		Outer_Full	20.87	/	/	19.19	/	/	<=30	Pass
		Inner_Full	20.34	/	/	18.66	/	/	<=30	Pass
		Inner_1RB_Left	20.98	/	/	19.30	/	/	<=30	Pass
		Inner_1RB_Right	19.86	/	/	18.18	/	/	<=30	Pass
		Edge_1RB_Left	20.72	/	/	19.04	/	/	<=30	Pass
	3954.99	Edge_1RB_Right	20.47	/	/	18.79	/	/	<=30	Pass
		Outer_Full	20.85	/	/	19.17	/	/	<=30	Pass
		Inner_Full	20.37	/	/	18.69	/	/	<=30	Pass
		Inner_1RB_Left	20.75	/	/	19.07	/	/	<=30	Pass
		Inner_1RB_Right	20.59	/	/	18.91	/	/	<=30	Pass
		Edge_1RB_Left	23.10	/	/	21.42	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3725.01	Edge_1RB_Right	23.91	/	/	22.23	/	/	<=30	Pass
		Outer_Full	24.06	/	/	22.38	/	/	<=30	Pass
		Inner_Full	23.65	/	/	21.97	/	/	<=30	Pass
		Inner_1RB_Left	23.22	/	/	21.54	/	/	<=30	Pass
		Inner_1RB_Right	24.15	/	/	22.47	/	/	<=30	Pass
		Edge_1RB_Left	20.78	/	/	19.10	/	/	<=30	Pass
	3840	Edge_1RB_Right	19.61	/	/	17.93	/	/	<=30	Pass
		Outer_Full	20.86	/	/	19.18	/	/	<=30	Pass
		Inner_Full	20.34	/	/	18.66	/	/	<=30	Pass
		Inner_1RB_Left	20.85	/	/	19.17	/	/	<=30	Pass
		Inner_1RB_Right	19.73	/	/	18.05	/	/	<=30	Pass
		Edge_1RB_Left	20.66	/	/	18.98	/	/	<=30	Pass
	3954.99	Edge_1RB_Right	20.43	/	/	18.75	/	/	<=30	Pass
		Outer_Full	20.84	/	/	19.16	/	/	<=30	Pass
		Inner_Full	20.38	/	/	18.70	/	/	<=30	Pass
		Inner_1RB_Left	20.70	/	/	19.02	/	/	<=30	Pass
		Inner_1RB_Right	20.59	/	/	18.91	/	/	<=30	Pass
		Edge_1RB_Left	22.52	/	/	20.84	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3725.01	Edge_1RB_Right	23.30	/	/	21.62	/	/	<=30	Pass
		Outer_Full	23.10	/	/	21.42	/	/	<=30	Pass
		Inner_Full	23.13	/	/	21.45	/	/	<=30	Pass
		Inner_1RB_Left	22.56	/	/	20.88	/	/	<=30	Pass
		Inner_1RB_Right	23.42	/	/	21.74	/	/	<=30	Pass
		Edge_1RB_Left	20.14	/	/	18.46	/	/	<=30	Pass
	3840	Edge_1RB_Right	18.98	/	/	17.30	/	/	<=30	Pass
		Outer_Full	19.58	/	/	17.90	/	/	<=30	Pass
		Inner_Full	19.63	/	/	17.95	/	/	<=30	Pass
		Inner_1RB_Left	20.19	/	/	18.51	/	/	<=30	Pass
		Inner_1RB_Right	19.13	/	/	17.45	/	/	<=30	Pass
	3954.99	Edge_1RB_Left	19.83	/	/	18.15	/	/	<=30	Pass
		Edge_1RB_Right	19.56	/	/	17.88	/	/	<=30	Pass

		Outer_Full	19.62	/	/	17.94	/	/	<=30	Pass
		Inner_Full	19.69	/	/	18.01	/	/	<=30	Pass
		Inner_1RB_Left	19.88	/	/	18.20	/	/	<=30	Pass
		Inner_1RB_Right	19.66	/	/	17.98	/	/	<=30	Pass
CP-OFDM QPSK	3725.01	Edge_1RB_Left	23.03	/	/	21.35	/	/	<=30	Pass
		Edge_1RB_Right	25.12	/	/	23.44	/	/	<=30	Pass
		Outer_Full	23.99	/	/	22.31	/	/	<=30	Pass
		Inner_Full	10.08	/	/	8.40	/	/	<=30	Pass
		Inner_1RB_Left	23.19	/	/	21.51	/	/	<=30	Pass
		Inner_1RB_Right	25.17	/	/	23.49	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.96	/	/	19.28	/	/	<=30	Pass
		Edge_1RB_Right	21.14	/	/	19.46	/	/	<=30	Pass
		Outer_Full	20.89	/	/	19.21	/	/	<=30	Pass
		Inner_Full	20.51	/	/	18.83	/	/	<=30	Pass
		Inner_1RB_Left	21.08	/	/	19.40	/	/	<=30	Pass
		Inner_1RB_Right	21.13	/	/	19.45	/	/	<=30	Pass
	3954.99	Edge_1RB_Left	20.62	/	/	18.94	/	/	<=30	Pass
		Edge_1RB_Right	21.37	/	/	19.69	/	/	<=30	Pass
		Outer_Full	20.78	/	/	19.10	/	/	<=30	Pass
		Inner_Full	20.26	/	/	18.58	/	/	<=30	Pass
		Inner_1RB_Left	20.74	/	/	19.06	/	/	<=30	Pass
		Inner_1RB_Right	21.31	/	/	19.63	/	/	<=30	Pass
CP-OFDM 16 QAM	3725.01	Edge_1RB_Left	23.14	/	/	21.46	/	/	<=30	Pass
		Edge_1RB_Right	25.17	/	/	23.49	/	/	<=30	Pass
		Outer_Full	23.79	/	/	22.11	/	/	<=30	Pass
		Inner_Full	23.49	/	/	21.81	/	/	<=30	Pass
		Inner_1RB_Left	23.18	/	/	21.50	/	/	<=30	Pass
		Inner_1RB_Right	25.11	/	/	23.43	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.01	/	/	19.33	/	/	<=30	Pass
		Edge_1RB_Right	21.13	/	/	19.45	/	/	<=30	Pass
		Outer_Full	20.91	/	/	19.23	/	/	<=30	Pass
		Inner_Full	20.35	/	/	18.67	/	/	<=30	Pass
		Inner_1RB_Left	21.05	/	/	19.37	/	/	<=30	Pass
		Inner_1RB_Right	21.18	/	/	19.50	/	/	<=30	Pass
	3954.99	Edge_1RB_Left	20.59	/	/	18.91	/	/	<=30	Pass
		Edge_1RB_Right	21.47	/	/	19.79	/	/	<=30	Pass
		Outer_Full	20.74	/	/	19.06	/	/	<=30	Pass
		Inner_Full	20.23	/	/	18.55	/	/	<=30	Pass
		Inner_1RB_Left	20.70	/	/	19.02	/	/	<=30	Pass
		Inner_1RB_Right	21.44	/	/	19.76	/	/	<=30	Pass
CP-OFDM 64 QAM	3725.01	Edge_1RB_Left	23.20	/	/	21.52	/	/	<=30	Pass
		Edge_1RB_Right	25.25	/	/	23.57	/	/	<=30	Pass
		Outer_Full	23.47	/	/	21.79	/	/	<=30	Pass
		Inner_Full	23.48	/	/	21.80	/	/	<=30	Pass
		Inner_1RB_Left	23.26	/	/	21.58	/	/	<=30	Pass
		Inner_1RB_Right	25.25	/	/	23.57	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.07	/	/	19.39	/	/	<=30	Pass
		Edge_1RB_Right	21.15	/	/	19.47	/	/	<=30	Pass
		Outer_Full	20.29	/	/	18.61	/	/	<=30	Pass
		Inner_Full	20.33	/	/	18.65	/	/	<=30	Pass
		Inner_1RB_Left	21.10	/	/	19.42	/	/	<=30	Pass
		Inner_1RB_Right	21.01	/	/	19.33	/	/	<=30	Pass
	3954.99	Edge_1RB_Left	20.74	/	/	19.06	/	/	<=30	Pass
		Edge_1RB_Right	21.62	/	/	19.94	/	/	<=30	Pass
		Outer_Full	20.21	/	/	18.53	/	/	<=30	Pass
		Inner_Full	20.23	/	/	18.55	/	/	<=30	Pass
		Inner_1RB_Left	20.81	/	/	19.13	/	/	<=30	Pass
		Inner_1RB_Right	21.57	/	/	19.89	/	/	<=30	Pass
CP-OFDM 256 QAM	3725.01	Edge_1RB_Left	21.08	/	/	19.40	/	/	<=30	Pass

		Edge_1RB_Right	22.97	/	/	21.29	/	/	<=30	Pass
		Outer_Full	21.31	/	/	19.63	/	/	<=30	Pass
		Inner_Full	21.36	/	/	19.68	/	/	<=30	Pass
		Inner_1RB_Left	21.17	/	/	19.49	/	/	<=30	Pass
		Inner_1RB_Right	22.96	/	/	21.28	/	/	<=30	Pass
	3840	Edge_1RB_Left	18.30	/	/	16.62	/	/	<=30	Pass
		Edge_1RB_Right	18.53	/	/	16.85	/	/	<=30	Pass
		Outer_Full	17.59	/	/	15.91	/	/	<=30	Pass
		Inner_Full	17.70	/	/	16.02	/	/	<=30	Pass
		Inner_1RB_Left	18.36	/	/	16.68	/	/	<=30	Pass
	3954.99	Inner_1RB_Right	18.51	/	/	16.83	/	/	<=30	Pass
		Edge_1RB_Left	18.04	/	/	16.36	/	/	<=30	Pass
		Edge_1RB_Right	18.80	/	/	17.12	/	/	<=30	Pass
		Outer_Full	17.64	/	/	15.96	/	/	<=30	Pass
		Inner_Full	17.69	/	/	16.01	/	/	<=30	Pass
		Inner_1RB_Left	18.14	/	/	16.46	/	/	<=30	Pass
		Inner_1RB_Right	18.76	/	/	17.08	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: -1.68dBi;										
Note2: EIRP=Conducted Power+Antenna Gain										

1.1.8 30k_SISO_10MHz_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 10MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3705	Edge_1RB_Left	23.29	/	/	21.61	/	/	<=30	Pass
		Edge_1RB_Right	23.69	/	/	22.01	/	/	<=30	Pass
		Outer_Full	23.37	/	/	21.69	/	/	<=30	Pass
		Inner_Full	23.28	/	/	21.60	/	/	<=30	Pass
		Inner_1RB_Left	23.14	/	/	21.46	/	/	<=30	Pass
		Inner_1RB_Right	23.75	/	/	22.07	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.89	/	/	20.21	/	/	<=30	Pass
		Edge_1RB_Right	21.44	/	/	19.76	/	/	<=30	Pass
		Outer_Full	21.52	/	/	19.84	/	/	<=30	Pass
		Inner_Full	21.29	/	/	19.61	/	/	<=30	Pass
		Inner_1RB_Left	21.60	/	/	19.92	/	/	<=30	Pass
		Inner_1RB_Right	21.49	/	/	19.81	/	/	<=30	Pass
	3975	Edge_1RB_Left	21.38	/	/	19.70	/	/	<=30	Pass
		Edge_1RB_Right	21.32	/	/	19.64	/	/	<=30	Pass
		Outer_Full	21.25	/	/	19.57	/	/	<=30	Pass
		Inner_Full	21.07	/	/	19.39	/	/	<=30	Pass
		Inner_1RB_Left	21.16	/	/	19.48	/	/	<=30	Pass
		Inner_1RB_Right	21.46	/	/	19.78	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3705	Edge_1RB_Left	23.47	/	/	21.79	/	/	<=30	Pass
		Edge_1RB_Right	23.75	/	/	22.07	/	/	<=30	Pass
		Outer_Full	23.46	/	/	21.78	/	/	<=30	Pass
		Inner_Full	23.35	/	/	21.67	/	/	<=30	Pass
		Inner_1RB_Left	23.22	/	/	21.54	/	/	<=30	Pass
		Inner_1RB_Right	23.84	/	/	22.16	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.92	/	/	20.24	/	/	<=30	Pass
		Edge_1RB_Right	21.43	/	/	19.75	/	/	<=30	Pass
		Outer_Full	21.40	/	/	19.72	/	/	<=30	Pass
		Inner_Full	21.30	/	/	19.62	/	/	<=30	Pass
		Inner_1RB_Left	21.63	/	/	19.95	/	/	<=30	Pass
		Inner_1RB_Right	21.58	/	/	19.90	/	/	<=30	Pass
	3975	Edge_1RB_Left	21.38	/	/	19.70	/	/	<=30	Pass
		Edge_1RB_Right	21.31	/	/	19.63	/	/	<=30	Pass

		Outer_Full	21.13	/	/	19.45	/	/	<=30	Pass
		Inner_Full	21.03	/	/	19.35	/	/	<=30	Pass
		Inner_1RB_Left	21.14	/	/	19.46	/	/	<=30	Pass
		Inner_1RB_Right	21.41	/	/	19.73	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3705	Edge_1RB_Left	23.32	/	/	21.64	/	/	<=30	Pass
		Edge_1RB_Right	23.84	/	/	22.16	/	/	<=30	Pass
		Outer_Full	23.45	/	/	21.77	/	/	<=30	Pass
		Inner_Full	23.29	/	/	21.61	/	/	<=30	Pass
		Inner_1RB_Left	23.11	/	/	21.43	/	/	<=30	Pass
		Inner_1RB_Right	23.91	/	/	22.23	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.73	/	/	20.05	/	/	<=30	Pass
		Edge_1RB_Right	21.29	/	/	19.61	/	/	<=30	Pass
		Outer_Full	21.36	/	/	19.68	/	/	<=30	Pass
		Inner_Full	21.24	/	/	19.56	/	/	<=30	Pass
		Inner_1RB_Left	21.56	/	/	19.88	/	/	<=30	Pass
		Inner_1RB_Right	21.41	/	/	19.73	/	/	<=30	Pass
	3975	Edge_1RB_Left	21.21	/	/	19.53	/	/	<=30	Pass
		Edge_1RB_Right	21.26	/	/	19.58	/	/	<=30	Pass
		Outer_Full	21.12	/	/	19.44	/	/	<=30	Pass
		Inner_Full	20.99	/	/	19.31	/	/	<=30	Pass
		Inner_1RB_Left	21.06	/	/	19.38	/	/	<=30	Pass
		Inner_1RB_Right	21.29	/	/	19.61	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3705	Edge_1RB_Left	22.88	/	/	21.20	/	/	<=30	Pass
		Edge_1RB_Right	23.27	/	/	21.59	/	/	<=30	Pass
		Outer_Full	22.47	/	/	20.79	/	/	<=30	Pass
		Inner_Full	22.91	/	/	21.23	/	/	<=30	Pass
		Inner_1RB_Left	22.70	/	/	21.02	/	/	<=30	Pass
		Inner_1RB_Right	23.37	/	/	21.69	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.12	/	/	19.44	/	/	<=30	Pass
		Edge_1RB_Right	20.59	/	/	18.91	/	/	<=30	Pass
		Outer_Full	20.08	/	/	18.40	/	/	<=30	Pass
		Inner_Full	20.68	/	/	19.00	/	/	<=30	Pass
		Inner_1RB_Left	20.81	/	/	19.13	/	/	<=30	Pass
		Inner_1RB_Right	20.82	/	/	19.14	/	/	<=30	Pass
	3975	Edge_1RB_Left	20.27	/	/	18.59	/	/	<=30	Pass
		Edge_1RB_Right	20.29	/	/	18.61	/	/	<=30	Pass
		Outer_Full	19.70	/	/	18.02	/	/	<=30	Pass
		Inner_Full	20.07	/	/	18.39	/	/	<=30	Pass
		Inner_1RB_Left	20.15	/	/	18.47	/	/	<=30	Pass
		Inner_1RB_Right	20.39	/	/	18.71	/	/	<=30	Pass
CP-OFDM QPSK	3705	Edge_1RB_Left	23.34	/	/	21.66	/	/	<=30	Pass
		Edge_1RB_Right	23.65	/	/	21.97	/	/	<=30	Pass
		Outer_Full	23.35	/	/	21.67	/	/	<=30	Pass
		Inner_Full	23.28	/	/	21.60	/	/	<=30	Pass
		Inner_1RB_Left	23.09	/	/	21.41	/	/	<=30	Pass
		Inner_1RB_Right	23.73	/	/	22.05	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.81	/	/	20.13	/	/	<=30	Pass
		Edge_1RB_Right	21.47	/	/	19.79	/	/	<=30	Pass
		Outer_Full	21.42	/	/	19.74	/	/	<=30	Pass
		Inner_Full	21.27	/	/	19.59	/	/	<=30	Pass
		Inner_1RB_Left	21.60	/	/	19.92	/	/	<=30	Pass
		Inner_1RB_Right	21.54	/	/	19.86	/	/	<=30	Pass
	3975	Edge_1RB_Left	21.22	/	/	19.54	/	/	<=30	Pass
		Edge_1RB_Right	21.22	/	/	19.54	/	/	<=30	Pass
		Outer_Full	21.00	/	/	19.32	/	/	<=30	Pass
		Inner_Full	20.91	/	/	19.23	/	/	<=30	Pass
		Inner_1RB_Left	21.04	/	/	19.36	/	/	<=30	Pass
		Inner_1RB_Right	21.32	/	/	19.64	/	/	<=30	Pass
CP-OFDM 16 QAM	3705	Edge_1RB_Left	23.35	/	/	21.67	/	/	<=30	Pass

		Edge_1RB_Right	23.77	/	/	22.09	/	/	<=30	Pass	
		Outer_Full	23.34	/	/	21.66	/	/	<=30	Pass	
		Inner_Full	23.37	/	/	21.69	/	/	<=30	Pass	
		Inner_1RB_Left	23.20	/	/	21.52	/	/	<=30	Pass	
		Inner_1RB_Right	23.92	/	/	22.24	/	/	<=30	Pass	
	3840	Edge_1RB_Left	21.88	/	/	20.20	/	/	<=30	Pass	
		Edge_1RB_Right	21.42	/	/	19.74	/	/	<=30	Pass	
		Outer_Full	21.34	/	/	19.66	/	/	<=30	Pass	
		Inner_Full	21.41	/	/	19.73	/	/	<=30	Pass	
		Inner_1RB_Left	21.59	/	/	19.91	/	/	<=30	Pass	
		Inner_1RB_Right	21.45	/	/	19.77	/	/	<=30	Pass	
		3975	Edge_1RB_Left	21.21	/	/	19.53	/	/	<=30	Pass
			Edge_1RB_Right	21.24	/	/	19.56	/	/	<=30	Pass
			Outer_Full	20.96	/	/	19.28	/	/	<=30	Pass
			Inner_Full	20.90	/	/	19.22	/	/	<=30	Pass
	Inner_1RB_Left		21.02	/	/	19.34	/	/	<=30	Pass	
	CP-OFDM 64 QAM		Inner_1RB_Right	21.28	/	/	19.60	/	/	<=30	Pass
3705			Edge_1RB_Left	23.36	/	/	21.68	/	/	<=30	Pass
			Edge_1RB_Right	23.96	/	/	22.28	/	/	<=30	Pass
			Outer_Full	22.88	/	/	21.20	/	/	<=30	Pass
			Inner_Full	23.30	/	/	21.62	/	/	<=30	Pass
		Inner_1RB_Left	23.27	/	/	21.59	/	/	<=30	Pass	
		Inner_1RB_Right	24.02	/	/	22.34	/	/	<=30	Pass	
		3840	Edge_1RB_Left	22.09	/	/	20.41	/	/	<=30	Pass
			Edge_1RB_Right	21.44	/	/	19.76	/	/	<=30	Pass
			Outer_Full	20.88	/	/	19.20	/	/	<=30	Pass
			Inner_Full	21.28	/	/	19.60	/	/	<=30	Pass
Inner_1RB_Left			21.60	/	/	19.92	/	/	<=30	Pass	
		Inner_1RB_Right	21.51	/	/	19.83	/	/	<=30	Pass	
		3975	Edge_1RB_Left	21.16	/	/	19.48	/	/	<=30	Pass
			Edge_1RB_Right	21.14	/	/	19.46	/	/	<=30	Pass
			Outer_Full	20.50	/	/	18.82	/	/	<=30	Pass
			Inner_Full	20.87	/	/	19.19	/	/	<=30	Pass
Inner_1RB_Left	20.96		/	/	19.28	/	/	<=30	Pass		
CP-OFDM 256 QAM		Inner_1RB_Right	21.20	/	/	19.52	/	/	<=30	Pass	
		3705	Edge_1RB_Left	21.24	/	/	19.56	/	/	<=30	Pass
			Edge_1RB_Right	21.61	/	/	19.93	/	/	<=30	Pass
			Outer_Full	20.85	/	/	19.17	/	/	<=30	Pass
			Inner_Full	21.18	/	/	19.50	/	/	<=30	Pass
	Inner_1RB_Left		21.05	/	/	19.37	/	/	<=30	Pass	
		Inner_1RB_Right	21.68	/	/	20.00	/	/	<=30	Pass	
		3840	Edge_1RB_Left	19.10	/	/	17.42	/	/	<=30	Pass
			Edge_1RB_Right	18.71	/	/	17.03	/	/	<=30	Pass
			Outer_Full	18.13	/	/	16.45	/	/	<=30	Pass
			Inner_Full	18.61	/	/	16.93	/	/	<=30	Pass
	Inner_1RB_Left		18.93	/	/	17.25	/	/	<=30	Pass	
		Inner_1RB_Right	18.83	/	/	17.15	/	/	<=30	Pass	
		3975	Edge_1RB_Left	18.29	/	/	16.61	/	/	<=30	Pass
			Edge_1RB_Right	18.28	/	/	16.60	/	/	<=30	Pass
			Outer_Full	17.63	/	/	15.95	/	/	<=30	Pass
			Inner_Full	18.02	/	/	16.34	/	/	<=30	Pass
Inner_1RB_Left	18.16		/	/	16.48	/	/	<=30	Pass		
	Inner_1RB_Right	18.40	/	/	16.72	/	/	<=30	Pass		
Note1: Antenna Gain: Ant1: -1.68dBi; Note2: EIRP=Conducted Power+Antenna Gain											

1.1.9 30k_SISO_15MHz_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 15MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3707.52	Edge_1RB_Left	23.85	/	/	22.17	/	/	<=30	Pass
		Edge_1RB_Right	24.80	/	/	23.12	/	/	<=30	Pass
		Outer_Full	23.80	/	/	22.12	/	/	<=30	Pass
		Inner_Full	23.50	/	/	21.82	/	/	<=30	Pass
		Inner_1RB_Left	23.76	/	/	22.08	/	/	<=30	Pass
		Inner_1RB_Right	24.57	/	/	22.89	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.01	/	/	20.33	/	/	<=30	Pass
		Edge_1RB_Right	21.92	/	/	20.24	/	/	<=30	Pass
		Outer_Full	21.36	/	/	19.68	/	/	<=30	Pass
		Inner_Full	21.02	/	/	19.34	/	/	<=30	Pass
		Inner_1RB_Left	21.94	/	/	20.26	/	/	<=30	Pass
		Inner_1RB_Right	21.66	/	/	19.98	/	/	<=30	Pass
	3972.48	Edge_1RB_Left	22.08	/	/	20.40	/	/	<=30	Pass
		Edge_1RB_Right	21.85	/	/	20.17	/	/	<=30	Pass
		Outer_Full	21.28	/	/	19.60	/	/	<=30	Pass
		Inner_Full	20.83	/	/	19.15	/	/	<=30	Pass
		Inner_1RB_Left	21.96	/	/	20.28	/	/	<=30	Pass
		Inner_1RB_Right	21.65	/	/	19.97	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3707.52	Edge_1RB_Left	23.69	/	/	22.01	/	/	<=30	Pass
		Edge_1RB_Right	24.66	/	/	22.98	/	/	<=30	Pass
		Outer_Full	23.72	/	/	22.04	/	/	<=30	Pass
		Inner_Full	23.49	/	/	21.81	/	/	<=30	Pass
		Inner_1RB_Left	23.97	/	/	22.29	/	/	<=30	Pass
		Inner_1RB_Right	24.45	/	/	22.77	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.86	/	/	20.18	/	/	<=30	Pass
		Edge_1RB_Right	21.72	/	/	20.04	/	/	<=30	Pass
		Outer_Full	21.30	/	/	19.62	/	/	<=30	Pass
		Inner_Full	21.02	/	/	19.34	/	/	<=30	Pass
		Inner_1RB_Left	21.75	/	/	20.07	/	/	<=30	Pass
		Inner_1RB_Right	21.52	/	/	19.84	/	/	<=30	Pass
	3972.48	Edge_1RB_Left	21.92	/	/	20.24	/	/	<=30	Pass
		Edge_1RB_Right	22.01	/	/	20.33	/	/	<=30	Pass
		Outer_Full	21.21	/	/	19.53	/	/	<=30	Pass
		Inner_Full	20.83	/	/	19.15	/	/	<=30	Pass
		Inner_1RB_Left	21.82	/	/	20.14	/	/	<=30	Pass
		Inner_1RB_Right	21.53	/	/	19.85	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3707.52	Edge_1RB_Left	23.96	/	/	22.28	/	/	<=30	Pass
		Edge_1RB_Right	24.91	/	/	23.23	/	/	<=30	Pass
		Outer_Full	23.72	/	/	22.04	/	/	<=30	Pass
		Inner_Full	23.50	/	/	21.82	/	/	<=30	Pass
		Inner_1RB_Left	23.90	/	/	22.22	/	/	<=30	Pass
		Inner_1RB_Right	24.72	/	/	23.04	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.19	/	/	20.51	/	/	<=30	Pass
		Edge_1RB_Right	22.06	/	/	20.38	/	/	<=30	Pass
		Outer_Full	21.28	/	/	19.60	/	/	<=30	Pass
		Inner_Full	21.03	/	/	19.35	/	/	<=30	Pass
		Inner_1RB_Left	22.11	/	/	20.43	/	/	<=30	Pass
		Inner_1RB_Right	21.85	/	/	20.17	/	/	<=30	Pass
	3972.48	Edge_1RB_Left	22.19	/	/	20.51	/	/	<=30	Pass
		Edge_1RB_Right	21.96	/	/	20.28	/	/	<=30	Pass
		Outer_Full	21.20	/	/	19.52	/	/	<=30	Pass
		Inner_Full	20.84	/	/	19.16	/	/	<=30	Pass
		Inner_1RB_Left	22.11	/	/	20.43	/	/	<=30	Pass
		Inner_1RB_Right	21.79	/	/	20.11	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3707.52	Edge_1RB_Left	23.23	/	/	21.55	/	/	<=30	Pass
		Edge_1RB_Right	24.17	/	/	22.49	/	/	<=30	Pass

		Outer Full	22.69	/	/	21.01	/	/	<=30	Pass
		Inner Full	22.99	/	/	21.31	/	/	<=30	Pass
		Inner 1RB Left	23.17	/	/	21.49	/	/	<=30	Pass
		Inner 1RB Right	23.96	/	/	22.28	/	/	<=30	Pass
	3840	Edge 1RB Left	21.17	/	/	19.49	/	/	<=30	Pass
		Edge 1RB Right	21.14	/	/	19.46	/	/	<=30	Pass
		Outer Full	19.89	/	/	18.21	/	/	<=30	Pass
		Inner Full	20.28	/	/	18.60	/	/	<=30	Pass
		Inner 1RB Left	21.15	/	/	19.47	/	/	<=30	Pass
		Inner 1RB Right	20.91	/	/	19.23	/	/	<=30	Pass
	3972.48	Edge 1RB Left	20.99	/	/	19.31	/	/	<=30	Pass
		Edge 1RB Right	20.78	/	/	19.10	/	/	<=30	Pass
		Outer Full	19.67	/	/	17.99	/	/	<=30	Pass
		Inner Full	19.82	/	/	18.14	/	/	<=30	Pass
		Inner 1RB Left	20.87	/	/	19.19	/	/	<=30	Pass
CP-OFDM QPSK	3707.52	Inner 1RB Right	20.54	/	/	18.86	/	/	<=30	Pass
		Edge 1RB Left	23.54	/	/	21.86	/	/	<=30	Pass
		Edge 1RB Right	24.51	/	/	22.83	/	/	<=30	Pass
		Outer Full	23.68	/	/	22.00	/	/	<=30	Pass
		Inner Full	23.38	/	/	21.70	/	/	<=30	Pass
		Inner 1RB Left	23.50	/	/	21.82	/	/	<=30	Pass
	3840	Inner 1RB Right	24.36	/	/	22.68	/	/	<=30	Pass
		Edge 1RB Left	21.86	/	/	20.18	/	/	<=30	Pass
		Edge 1RB Right	21.72	/	/	20.04	/	/	<=30	Pass
		Outer Full	21.33	/	/	19.65	/	/	<=30	Pass
		Inner Full	21.01	/	/	19.33	/	/	<=30	Pass
		Inner 1RB Left	21.78	/	/	20.10	/	/	<=30	Pass
	3972.48	Inner 1RB Right	21.57	/	/	19.89	/	/	<=30	Pass
		Edge 1RB Left	21.77	/	/	20.09	/	/	<=30	Pass
		Edge 1RB Right	21.57	/	/	19.89	/	/	<=30	Pass
		Outer Full	21.14	/	/	19.46	/	/	<=30	Pass
		Inner Full	20.74	/	/	19.06	/	/	<=30	Pass
		Inner 1RB Left	21.68	/	/	20.00	/	/	<=30	Pass
CP-OFDM 16 QAM	3707.52	Inner 1RB Right	21.47	/	/	19.79	/	/	<=30	Pass
		Edge 1RB Left	23.50	/	/	21.82	/	/	<=30	Pass
		Edge 1RB Right	24.44	/	/	22.76	/	/	<=30	Pass
		Outer Full	23.60	/	/	21.92	/	/	<=30	Pass
		Inner Full	23.33	/	/	21.65	/	/	<=30	Pass
		Inner 1RB Left	23.45	/	/	21.77	/	/	<=30	Pass
	3840	Inner 1RB Right	24.30	/	/	22.62	/	/	<=30	Pass
		Edge 1RB Left	21.98	/	/	20.30	/	/	<=30	Pass
		Edge 1RB Right	21.63	/	/	19.95	/	/	<=30	Pass
		Outer Full	21.25	/	/	19.57	/	/	<=30	Pass
		Inner Full	20.96	/	/	19.28	/	/	<=30	Pass
		Inner 1RB Left	21.97	/	/	20.29	/	/	<=30	Pass
	3972.48	Inner 1RB Right	21.50	/	/	19.82	/	/	<=30	Pass
		Edge 1RB Left	21.72	/	/	20.04	/	/	<=30	Pass
		Edge 1RB Right	21.50	/	/	19.82	/	/	<=30	Pass
		Outer Full	21.11	/	/	19.43	/	/	<=30	Pass
		Inner Full	20.71	/	/	19.03	/	/	<=30	Pass
		Inner 1RB Left	22.01	/	/	20.33	/	/	<=30	Pass
CP-OFDM 64 QAM	3707.52	Inner 1RB Right	21.41	/	/	19.73	/	/	<=30	Pass
		Edge 1RB Left	23.88	/	/	22.20	/	/	<=30	Pass
		Edge 1RB Right	24.77	/	/	23.09	/	/	<=30	Pass
		Outer Full	23.14	/	/	21.46	/	/	<=30	Pass
		Inner Full	23.38	/	/	21.70	/	/	<=30	Pass
		Inner 1RB Left	23.83	/	/	22.15	/	/	<=30	Pass
	3840	Inner 1RB Right	24.66	/	/	22.98	/	/	<=30	Pass
		Edge 1RB Left	22.22	/	/	20.54	/	/	<=30	Pass

		Edge_1RB_Right	22.04	/	/	20.36	/	/	<=30	Pass
		Outer_Full	20.71	/	/	19.03	/	/	<=30	Pass
		Inner_Full	21.00	/	/	19.32	/	/	<=30	Pass
		Inner_1RB_Left	22.11	/	/	20.43	/	/	<=30	Pass
		Inner_1RB_Right	21.90	/	/	20.22	/	/	<=30	Pass
	3972.48	Edge_1RB_Left	22.10	/	/	20.42	/	/	<=30	Pass
		Edge_1RB_Right	21.85	/	/	20.17	/	/	<=30	Pass
		Outer_Full	20.62	/	/	18.94	/	/	<=30	Pass
		Inner_Full	20.76	/	/	19.08	/	/	<=30	Pass
		Inner_1RB_Left	22.02	/	/	20.34	/	/	<=30	Pass
	Inner_1RB_Right	21.83	/	/	20.15	/	/	<=30	Pass	
CP-OFDM 256 QAM	3707.52	Edge_1RB_Left	21.43	/	/	19.75	/	/	<=30	Pass
		Edge_1RB_Right	22.32	/	/	20.64	/	/	<=30	Pass
		Outer_Full	20.93	/	/	19.25	/	/	<=30	Pass
		Inner_Full	21.25	/	/	19.57	/	/	<=30	Pass
		Inner_1RB_Left	21.40	/	/	19.72	/	/	<=30	Pass
		Inner_1RB_Right	22.22	/	/	20.54	/	/	<=30	Pass
	3840	Edge_1RB_Left	19.16	/	/	17.48	/	/	<=30	Pass
		Edge_1RB_Right	19.05	/	/	17.37	/	/	<=30	Pass
		Outer_Full	17.96	/	/	16.28	/	/	<=30	Pass
		Inner_Full	18.33	/	/	16.65	/	/	<=30	Pass
		Inner_1RB_Left	19.09	/	/	17.41	/	/	<=30	Pass
		Inner_1RB_Right	18.89	/	/	17.21	/	/	<=30	Pass
	3972.48	Edge_1RB_Left	18.97	/	/	17.29	/	/	<=30	Pass
		Edge_1RB_Right	18.80	/	/	17.12	/	/	<=30	Pass
		Outer_Full	17.74	/	/	16.06	/	/	<=30	Pass
		Inner_Full	17.99	/	/	16.31	/	/	<=30	Pass
		Inner_1RB_Left	18.96	/	/	17.28	/	/	<=30	Pass
		Inner_1RB_Right	18.73	/	/	17.05	/	/	<=30	Pass
	Note1: Antenna Gain: Ant1: -1.68dBi; Note2: EIRP=Conducted Power+Antenna Gain									

1.1.10 30k_SISO_20MHz_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 20MHz NTNv										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3710.01	Edge 1RB Left	24.28	/	/	22.60	/	/	<=30	Pass
		Edge 1RB Right	25.42	/	/	23.74	/	/	<=30	Pass
		Outer Full	24.20	/	/	22.52	/	/	<=30	Pass
		Inner Full	23.74	/	/	22.06	/	/	<=30	Pass
		Inner 1RB Left	24.31	/	/	22.63	/	/	<=30	Pass
		Inner 1RB Right	25.24	/	/	23.56	/	/	<=30	Pass
	3840	Edge 1RB Left	22.63	/	/	20.95	/	/	<=30	Pass
		Edge 1RB Right	22.37	/	/	20.69	/	/	<=30	Pass
		Outer Full	21.78	/	/	20.10	/	/	<=30	Pass
		Inner Full	21.28	/	/	19.60	/	/	<=30	Pass
	3969.99	Inner 1RB Left	22.60	/	/	20.92	/	/	<=30	Pass
		Inner 1RB Right	22.22	/	/	20.54	/	/	<=30	Pass
		Edge 1RB Left	22.73	/	/	21.05	/	/	<=30	Pass
		Edge 1RB Right	22.58	/	/	20.90	/	/	<=30	Pass
		Outer Full	21.90	/	/	20.22	/	/	<=30	Pass
		Inner Full	21.42	/	/	19.74	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3710.01	Inner 1RB Left	22.68	/	/	21.00	/	/	<=30	Pass
		Inner 1RB Right	22.43	/	/	20.75	/	/	<=30	Pass
	3710.01	Edge 1RB Left	24.28	/	/	22.60	/	/	<=30	Pass
		Edge 1RB Right	25.51	/	/	23.83	/	/	<=30	Pass

		Outer Full	24.12	/	/	22.44	/	/	<=30	Pass
		Inner Full	23.73	/	/	22.05	/	/	<=30	Pass
		Inner 1RB Left	24.35	/	/	22.67	/	/	<=30	Pass
		Inner 1RB Right	25.28	/	/	23.60	/	/	<=30	Pass
	3840	Edge 1RB Left	22.68	/	/	21.00	/	/	<=30	Pass
		Edge 1RB Right	22.43	/	/	20.75	/	/	<=30	Pass
		Outer Full	21.74	/	/	20.06	/	/	<=30	Pass
		Inner Full	21.25	/	/	19.57	/	/	<=30	Pass
		Inner 1RB Left	22.65	/	/	20.97	/	/	<=30	Pass
		Inner 1RB Right	22.33	/	/	20.65	/	/	<=30	Pass
	3969.99	Edge 1RB Left	22.71	/	/	21.03	/	/	<=30	Pass
		Edge 1RB Right	22.57	/	/	20.89	/	/	<=30	Pass
		Outer Full	21.81	/	/	20.13	/	/	<=30	Pass
		Inner Full	21.39	/	/	19.71	/	/	<=30	Pass
		Inner 1RB Left	22.71	/	/	21.03	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3710.01	Inner 1RB Right	22.44	/	/	20.76	/	/	<=30	Pass
		Edge 1RB Left	24.13	/	/	22.45	/	/	<=30	Pass
		Edge 1RB Right	25.26	/	/	23.58	/	/	<=30	Pass
		Outer Full	24.10	/	/	22.42	/	/	<=30	Pass
		Inner Full	23.76	/	/	22.08	/	/	<=30	Pass
		Inner 1RB Left	24.17	/	/	22.49	/	/	<=30	Pass
	3840	Inner 1RB Right	25.09	/	/	23.41	/	/	<=30	Pass
		Edge 1RB Left	22.50	/	/	20.82	/	/	<=30	Pass
		Edge 1RB Right	22.25	/	/	20.57	/	/	<=30	Pass
		Outer Full	21.70	/	/	20.02	/	/	<=30	Pass
		Inner Full	21.28	/	/	19.60	/	/	<=30	Pass
		Inner 1RB Left	22.49	/	/	20.81	/	/	<=30	Pass
	3969.99	Inner 1RB Right	22.10	/	/	20.42	/	/	<=30	Pass
		Edge 1RB Left	22.57	/	/	20.89	/	/	<=30	Pass
		Edge 1RB Right	22.43	/	/	20.75	/	/	<=30	Pass
		Outer Full	21.79	/	/	20.11	/	/	<=30	Pass
		Inner Full	21.42	/	/	19.74	/	/	<=30	Pass
		Inner 1RB Left	22.56	/	/	20.88	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3710.01	Inner 1RB Right	22.28	/	/	20.60	/	/	<=30	Pass
		Edge 1RB Left	23.70	/	/	22.02	/	/	<=30	Pass
		Edge 1RB Right	24.80	/	/	23.12	/	/	<=30	Pass
		Outer Full	23.14	/	/	21.46	/	/	<=30	Pass
		Inner Full	23.23	/	/	21.55	/	/	<=30	Pass
		Inner 1RB Left	23.74	/	/	22.06	/	/	<=30	Pass
	3840	Inner 1RB Right	24.64	/	/	22.96	/	/	<=30	Pass
		Edge 1RB Left	21.90	/	/	20.22	/	/	<=30	Pass
		Edge 1RB Right	21.59	/	/	19.91	/	/	<=30	Pass
		Outer Full	20.33	/	/	18.65	/	/	<=30	Pass
		Inner Full	20.47	/	/	18.79	/	/	<=30	Pass
		Inner 1RB Left	21.80	/	/	20.12	/	/	<=30	Pass
	3969.99	Inner 1RB Right	21.51	/	/	19.83	/	/	<=30	Pass
		Edge 1RB Left	21.60	/	/	19.92	/	/	<=30	Pass
		Edge 1RB Right	21.47	/	/	19.79	/	/	<=30	Pass
		Outer Full	20.31	/	/	18.63	/	/	<=30	Pass
		Inner Full	20.39	/	/	18.71	/	/	<=30	Pass
		Inner 1RB Left	21.60	/	/	19.92	/	/	<=30	Pass
CP-OFDM QPSK	3710.01	Inner 1RB Right	21.33	/	/	19.65	/	/	<=30	Pass
		Edge 1RB Left	24.11	/	/	22.43	/	/	<=30	Pass
		Edge 1RB Right	25.21	/	/	23.53	/	/	<=30	Pass
		Outer Full	24.04	/	/	22.36	/	/	<=30	Pass
		Inner Full	23.65	/	/	21.97	/	/	<=30	Pass
		Inner 1RB Left	24.18	/	/	22.50	/	/	<=30	Pass
	3840	Inner 1RB Right	25.04	/	/	23.36	/	/	<=30	Pass
		Edge 1RB Left	22.56	/	/	20.88	/	/	<=30	Pass

		Edge_1RB_Right	22.28	/	/	20.60	/	/	<=30	Pass
		Outer_Full	21.69	/	/	20.01	/	/	<=30	Pass
		Inner_Full	21.22	/	/	19.54	/	/	<=30	Pass
		Inner_1RB_Left	22.58	/	/	20.90	/	/	<=30	Pass
	3969.99	Inner_1RB_Right	22.18	/	/	20.50	/	/	<=30	Pass
		Edge_1RB_Left	22.52	/	/	20.84	/	/	<=30	Pass
		Edge_1RB_Right	22.42	/	/	20.74	/	/	<=30	Pass
		Outer_Full	21.71	/	/	20.03	/	/	<=30	Pass
		Inner_Full	21.29	/	/	19.61	/	/	<=30	Pass
		Inner_1RB_Left	22.53	/	/	20.85	/	/	<=30	Pass
		Inner_1RB_Right	22.31	/	/	20.63	/	/	<=30	Pass
		Edge_1RB_Left	24.14	/	/	22.46	/	/	<=30	Pass
CP-OFDM 16 QAM	3710.01	Edge_1RB_Right	25.33	/	/	23.65	/	/	<=30	Pass
		Outer_Full	24.08	/	/	22.40	/	/	<=30	Pass
		Inner_Full	23.67	/	/	21.99	/	/	<=30	Pass
		Inner_1RB_Left	24.21	/	/	22.53	/	/	<=30	Pass
		Inner_1RB_Right	25.16	/	/	23.48	/	/	<=30	Pass
		Edge_1RB_Left	22.57	/	/	20.89	/	/	<=30	Pass
	3840	Edge_1RB_Right	22.33	/	/	20.65	/	/	<=30	Pass
		Outer_Full	21.61	/	/	19.93	/	/	<=30	Pass
		Inner_Full	21.23	/	/	19.55	/	/	<=30	Pass
		Inner_1RB_Left	22.61	/	/	20.93	/	/	<=30	Pass
		Inner_1RB_Right	22.16	/	/	20.48	/	/	<=30	Pass
		Edge_1RB_Left	22.53	/	/	20.85	/	/	<=30	Pass
CP-OFDM 64 QAM	3710.01	Edge_1RB_Right	22.44	/	/	20.76	/	/	<=30	Pass
		Outer_Full	21.72	/	/	20.04	/	/	<=30	Pass
		Inner_Full	21.29	/	/	19.61	/	/	<=30	Pass
		Inner_1RB_Left	22.59	/	/	20.91	/	/	<=30	Pass
		Inner_1RB_Right	22.30	/	/	20.62	/	/	<=30	Pass
		Edge_1RB_Left	24.12	/	/	22.44	/	/	<=30	Pass
	3840	Edge_1RB_Right	25.50	/	/	23.82	/	/	<=30	Pass
		Outer_Full	23.65	/	/	21.97	/	/	<=30	Pass
		Inner_Full	23.70	/	/	22.02	/	/	<=30	Pass
		Inner_1RB_Left	24.20	/	/	22.52	/	/	<=30	Pass
		Inner_1RB_Right	25.33	/	/	23.65	/	/	<=30	Pass
		Edge_1RB_Left	22.53	/	/	20.85	/	/	<=30	Pass
CP-OFDM 256 QAM	3710.01	Edge_1RB_Right	22.28	/	/	20.60	/	/	<=30	Pass
		Outer_Full	21.11	/	/	19.43	/	/	<=30	Pass
		Inner_Full	21.26	/	/	19.58	/	/	<=30	Pass
		Inner_1RB_Left	22.55	/	/	20.87	/	/	<=30	Pass
		Inner_1RB_Right	22.14	/	/	20.46	/	/	<=30	Pass
		Edge_1RB_Left	22.51	/	/	20.83	/	/	<=30	Pass
	3840	Edge_1RB_Right	22.41	/	/	20.73	/	/	<=30	Pass
		Outer_Full	21.25	/	/	19.57	/	/	<=30	Pass
		Inner_Full	21.32	/	/	19.64	/	/	<=30	Pass
		Inner_1RB_Left	22.51	/	/	20.83	/	/	<=30	Pass
		Inner_1RB_Right	22.24	/	/	20.56	/	/	<=30	Pass
		Edge_1RB_Left	21.85	/	/	20.17	/	/	<=30	Pass
	3710.01	Edge_1RB_Right	22.89	/	/	21.21	/	/	<=30	Pass
		Outer_Full	21.29	/	/	19.61	/	/	<=30	Pass
		Inner_Full	21.42	/	/	19.74	/	/	<=30	Pass
		Inner_1RB_Left	21.92	/	/	20.24	/	/	<=30	Pass
		Inner_1RB_Right	22.73	/	/	21.05	/	/	<=30	Pass
		Edge_1RB_Left	19.83	/	/	18.15	/	/	<=30	Pass
	3840	Edge_1RB_Right	19.56	/	/	17.88	/	/	<=30	Pass
		Outer_Full	18.38	/	/	16.70	/	/	<=30	Pass
		Inner_Full	18.52	/	/	16.84	/	/	<=30	Pass
		Inner_1RB_Left	19.82	/	/	18.14	/	/	<=30	Pass
		Inner_1RB_Right	19.43	/	/	17.75	/	/	<=30	Pass

	3969.99	Edge_1RB_Left	19.62	/	/	17.94	/	/	<=30	Pass
		Edge_1RB_Right	19.52	/	/	17.84	/	/	<=30	Pass
		Outer_Full	18.37	/	/	16.69	/	/	<=30	Pass
		Inner_Full	18.45	/	/	16.77	/	/	<=30	Pass
		Inner_1RB_Left	19.64	/	/	17.96	/	/	<=30	Pass
		Inner_1RB_Right	19.38	/	/	17.70	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: -1.68dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.11 30k_SISO_25MHz_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 25MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3712.5	Edge_1RB_Left	23.46	/	/	21.78	/	/	<=30	Pass
		Edge_1RB_Right	24.69	/	/	23.01	/	/	<=30	Pass
		Outer_Full	24.73	/	/	23.05	/	/	<=30	Pass
		Inner_Full	24.13	/	/	22.45	/	/	<=30	Pass
		Inner_1RB_Left	23.86	/	/	22.18	/	/	<=30	Pass
		Inner_1RB_Right	24.80	/	/	23.12	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.83	/	/	20.15	/	/	<=30	Pass
		Edge_1RB_Right	21.51	/	/	19.83	/	/	<=30	Pass
		Outer_Full	22.26	/	/	20.58	/	/	<=30	Pass
		Inner_Full	21.69	/	/	20.01	/	/	<=30	Pass
		Inner_1RB_Left	22.28	/	/	20.60	/	/	<=30	Pass
		Inner_1RB_Right	21.65	/	/	19.97	/	/	<=30	Pass
	3967.5	Edge_1RB_Left	21.19	/	/	19.51	/	/	<=30	Pass
		Edge_1RB_Right	21.21	/	/	19.53	/	/	<=30	Pass
		Outer_Full	21.69	/	/	20.01	/	/	<=30	Pass
		Inner_Full	21.23	/	/	19.55	/	/	<=30	Pass
		Inner_1RB_Left	21.61	/	/	19.93	/	/	<=30	Pass
		Inner_1RB_Right	21.34	/	/	19.66	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3712.5	Edge_1RB_Left	23.51	/	/	21.83	/	/	<=30	Pass
		Edge_1RB_Right	24.57	/	/	22.89	/	/	<=30	Pass
		Outer_Full	24.54	/	/	22.86	/	/	<=30	Pass
		Inner_Full	24.14	/	/	22.46	/	/	<=30	Pass
		Inner_1RB_Left	23.91	/	/	22.23	/	/	<=30	Pass
		Inner_1RB_Right	24.67	/	/	22.99	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.88	/	/	20.20	/	/	<=30	Pass
		Edge_1RB_Right	21.55	/	/	19.87	/	/	<=30	Pass
		Outer_Full	22.12	/	/	20.44	/	/	<=30	Pass
		Inner_Full	21.71	/	/	20.03	/	/	<=30	Pass
		Inner_1RB_Left	22.36	/	/	20.68	/	/	<=30	Pass
		Inner_1RB_Right	21.70	/	/	20.02	/	/	<=30	Pass
	3967.5	Edge_1RB_Left	21.23	/	/	19.55	/	/	<=30	Pass
		Edge_1RB_Right	21.24	/	/	19.56	/	/	<=30	Pass
		Outer_Full	21.62	/	/	19.94	/	/	<=30	Pass
		Inner_Full	21.24	/	/	19.56	/	/	<=30	Pass
		Inner_1RB_Left	21.68	/	/	20.00	/	/	<=30	Pass
		Inner_1RB_Right	21.35	/	/	19.67	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3712.5	Edge_1RB_Left	23.50	/	/	21.82	/	/	<=30	Pass
		Edge_1RB_Right	24.87	/	/	23.19	/	/	<=30	Pass
		Outer_Full	24.56	/	/	22.88	/	/	<=30	Pass
		Inner_Full	24.08	/	/	22.40	/	/	<=30	Pass
		Inner_1RB_Left	23.94	/	/	22.26	/	/	<=30	Pass
		Inner_1RB_Right	24.90	/	/	23.22	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.70	/	/	20.02	/	/	<=30	Pass

		Edge_1RB_Right	21.39	/	/	19.71	/	/	<=30	Pass
		Outer_Full	22.15	/	/	20.47	/	/	<=30	Pass
		Inner_Full	21.66	/	/	19.98	/	/	<=30	Pass
		Inner_1RB_Left	22.17	/	/	20.49	/	/	<=30	Pass
	3967.5	Inner_1RB_Right	21.53	/	/	19.85	/	/	<=30	Pass
		Edge_1RB_Left	21.08	/	/	19.40	/	/	<=30	Pass
		Edge_1RB_Right	21.11	/	/	19.43	/	/	<=30	Pass
		Outer_Full	21.61	/	/	19.93	/	/	<=30	Pass
		Inner_Full	21.23	/	/	19.55	/	/	<=30	Pass
		Inner_1RB_Left	21.52	/	/	19.84	/	/	<=30	Pass
		Inner_1RB_Right	21.42	/	/	19.74	/	/	<=30	Pass
		Edge_1RB_Left	22.93	/	/	21.25	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3712.5	Edge_1RB_Right	24.14	/	/	22.46	/	/	<=30	Pass
		Outer_Full	23.60	/	/	21.92	/	/	<=30	Pass
		Inner_Full	9.97	/	/	8.29	/	/	<=30	Pass
		Inner_1RB_Left	23.35	/	/	21.67	/	/	<=30	Pass
		Inner_1RB_Right	24.25	/	/	22.57	/	/	<=30	Pass
		Edge_1RB_Left	21.03	/	/	19.35	/	/	<=30	Pass
	3840	Edge_1RB_Right	20.80	/	/	19.12	/	/	<=30	Pass
		Outer_Full	20.81	/	/	19.13	/	/	<=30	Pass
		Inner_Full	20.87	/	/	19.19	/	/	<=30	Pass
		Inner_1RB_Left	21.58	/	/	19.90	/	/	<=30	Pass
	3967.5	Inner_1RB_Right	20.87	/	/	19.19	/	/	<=30	Pass
		Edge_1RB_Left	20.12	/	/	18.44	/	/	<=30	Pass
		Edge_1RB_Right	20.13	/	/	18.45	/	/	<=30	Pass
		Outer_Full	20.11	/	/	18.43	/	/	<=30	Pass
		Inner_Full	20.19	/	/	18.51	/	/	<=30	Pass
		Inner_1RB_Left	20.54	/	/	18.86	/	/	<=30	Pass
CP-OFDM QPSK	3712.5	Inner_1RB_Right	20.25	/	/	18.57	/	/	<=30	Pass
		Edge_1RB_Left	23.40	/	/	21.72	/	/	<=30	Pass
		Edge_1RB_Right	24.54	/	/	22.86	/	/	<=30	Pass
		Outer_Full	24.48	/	/	22.80	/	/	<=30	Pass
		Inner_Full	24.08	/	/	22.40	/	/	<=30	Pass
		Inner_1RB_Left	23.80	/	/	22.12	/	/	<=30	Pass
	3840	Inner_1RB_Right	24.60	/	/	22.92	/	/	<=30	Pass
		Edge_1RB_Left	21.81	/	/	20.13	/	/	<=30	Pass
		Edge_1RB_Right	21.48	/	/	19.80	/	/	<=30	Pass
		Outer_Full	22.05	/	/	20.37	/	/	<=30	Pass
		Inner_Full	21.64	/	/	19.96	/	/	<=30	Pass
		Inner_1RB_Left	22.20	/	/	20.52	/	/	<=30	Pass
	3967.5	Inner_1RB_Right	21.59	/	/	19.91	/	/	<=30	Pass
		Edge_1RB_Left	21.28	/	/	19.60	/	/	<=30	Pass
		Edge_1RB_Right	21.05	/	/	19.37	/	/	<=30	Pass
		Outer_Full	21.45	/	/	19.77	/	/	<=30	Pass
		Inner_Full	21.13	/	/	19.45	/	/	<=30	Pass
		Inner_1RB_Left	21.57	/	/	19.89	/	/	<=30	Pass
CP-OFDM 16 QAM	3712.5	Inner_1RB_Right	21.15	/	/	19.47	/	/	<=30	Pass
		Edge_1RB_Left	23.40	/	/	21.72	/	/	<=30	Pass
		Edge_1RB_Right	24.46	/	/	22.78	/	/	<=30	Pass
		Outer_Full	24.43	/	/	22.75	/	/	<=30	Pass
		Inner_Full	24.08	/	/	22.40	/	/	<=30	Pass
		Inner_1RB_Left	23.84	/	/	22.16	/	/	<=30	Pass
	3840	Inner_1RB_Right	24.53	/	/	22.85	/	/	<=30	Pass
		Edge_1RB_Left	21.82	/	/	20.14	/	/	<=30	Pass
		Edge_1RB_Right	21.52	/	/	19.84	/	/	<=30	Pass
		Outer_Full	22.27	/	/	20.59	/	/	<=30	Pass
		Inner_Full	21.64	/	/	19.96	/	/	<=30	Pass
		Inner_1RB_Left	22.28	/	/	20.60	/	/	<=30	Pass
		Inner_1RB_Right	21.60	/	/	19.92	/	/	<=30	Pass

	3967.5	Edge_1RB_Left	21.15	/	/	19.47	/	/	<=30	Pass
		Edge_1RB_Right	21.16	/	/	19.48	/	/	<=30	Pass
		Outer_Full	21.48	/	/	19.80	/	/	<=30	Pass
		Inner_Full	21.12	/	/	19.44	/	/	<=30	Pass
		Inner_1RB_Left	21.57	/	/	19.89	/	/	<=30	Pass
		Inner_1RB_Right	21.24	/	/	19.56	/	/	<=30	Pass
CP-OFDM 64 QAM	3712.5	Edge_1RB_Left	23.54	/	/	21.86	/	/	<=30	Pass
		Edge_1RB_Right	24.84	/	/	23.16	/	/	<=30	Pass
		Outer_Full	23.96	/	/	22.28	/	/	<=30	Pass
		Inner_Full	24.09	/	/	22.41	/	/	<=30	Pass
		Inner_1RB_Left	23.98	/	/	22.30	/	/	<=30	Pass
		Inner_1RB_Right	24.94	/	/	23.26	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.02	/	/	20.34	/	/	<=30	Pass
		Edge_1RB_Right	21.42	/	/	19.74	/	/	<=30	Pass
		Outer_Full	21.50	/	/	19.82	/	/	<=30	Pass
		Inner_Full	21.63	/	/	19.95	/	/	<=30	Pass
		Inner_1RB_Left	22.46	/	/	20.78	/	/	<=30	Pass
		Inner_1RB_Right	21.56	/	/	19.88	/	/	<=30	Pass
	3967.5	Edge_1RB_Left	21.11	/	/	19.43	/	/	<=30	Pass
		Edge_1RB_Right	21.31	/	/	19.63	/	/	<=30	Pass
		Outer_Full	20.96	/	/	19.28	/	/	<=30	Pass
		Inner_Full	21.13	/	/	19.45	/	/	<=30	Pass
		Inner_1RB_Left	21.54	/	/	19.86	/	/	<=30	Pass
		Inner_1RB_Right	21.40	/	/	19.72	/	/	<=30	Pass
CP-OFDM 256 QAM	3712.5	Edge_1RB_Left	21.11	/	/	19.43	/	/	<=30	Pass
		Edge_1RB_Right	22.28	/	/	20.60	/	/	<=30	Pass
		Outer_Full	21.62	/	/	19.94	/	/	<=30	Pass
		Inner_Full	21.81	/	/	20.13	/	/	<=30	Pass
		Inner_1RB_Left	21.54	/	/	19.86	/	/	<=30	Pass
		Inner_1RB_Right	22.38	/	/	20.70	/	/	<=30	Pass
	3840	Edge_1RB_Left	19.02	/	/	17.34	/	/	<=30	Pass
		Edge_1RB_Right	18.69	/	/	17.01	/	/	<=30	Pass
		Outer_Full	18.71	/	/	17.03	/	/	<=30	Pass
		Inner_Full	18.88	/	/	17.20	/	/	<=30	Pass
		Inner_1RB_Left	19.48	/	/	17.80	/	/	<=30	Pass
		Inner_1RB_Right	18.84	/	/	17.16	/	/	<=30	Pass
	3967.5	Edge_1RB_Left	18.20	/	/	16.52	/	/	<=30	Pass
		Edge_1RB_Right	18.18	/	/	16.50	/	/	<=30	Pass
		Outer_Full	18.08	/	/	16.40	/	/	<=30	Pass
		Inner_Full	18.27	/	/	16.59	/	/	<=30	Pass
		Inner_1RB_Left	18.63	/	/	16.95	/	/	<=30	Pass
		Inner_1RB_Right	18.27	/	/	16.59	/	/	<=30	Pass

Note1: Antenna Gain: Ant1: -1.68dBi;

Note2: EIRP=Conducted Power+Antenna Gain

1.1.12 30k_SISO_30MHz_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 30MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3715.02	Edge_1RB_Left	24.66	/	/	22.98	/	/	<=30	Pass
		Edge_1RB_Right	25.70	/	/	24.02	/	/	<=30	Pass
		Outer_Full	24.43	/	/	22.75	/	/	<=30	Pass
		Inner_Full	24.03	/	/	22.35	/	/	<=30	Pass
		Inner_1RB_Left	24.51	/	/	22.83	/	/	<=30	Pass
		Inner_1RB_Right	25.75	/	/	24.07	/	/	<=30	Pass
	3840	Edge_1RB_Left	23.34	/	/	21.66	/	/	<=30	Pass

		Edge_1RB_Right	22.40	/	/	20.72	/	/	<=30	Pass
		Outer_Full	22.08	/	/	20.40	/	/	<=30	Pass
		Inner_Full	21.56	/	/	19.88	/	/	<=30	Pass
		Inner_1RB_Left	23.16	/	/	21.48	/	/	<=30	Pass
		Inner_1RB_Right	22.44	/	/	20.76	/	/	<=30	Pass
	3964.98	Edge_1RB_Left	22.57	/	/	20.89	/	/	<=30	Pass
		Edge_1RB_Right	22.03	/	/	20.35	/	/	<=30	Pass
		Outer_Full	21.55	/	/	19.87	/	/	<=30	Pass
		Inner_Full	21.19	/	/	19.51	/	/	<=30	Pass
		Inner_1RB_Left	22.39	/	/	20.71	/	/	<=30	Pass
		Inner_1RB_Right	22.08	/	/	20.40	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3715.02	Edge_1RB_Left	24.50	/	/	22.82	/	/	<=30	Pass
		Edge_1RB_Right	25.72	/	/	24.04	/	/	<=30	Pass
		Outer_Full	24.38	/	/	22.70	/	/	<=30	Pass
		Inner_Full	23.96	/	/	22.28	/	/	<=30	Pass
		Inner_1RB_Left	24.40	/	/	22.72	/	/	<=30	Pass
		Inner_1RB_Right	25.71	/	/	24.03	/	/	<=30	Pass
	3840	Edge_1RB_Left	23.15	/	/	21.47	/	/	<=30	Pass
		Edge_1RB_Right	22.40	/	/	20.72	/	/	<=30	Pass
		Outer_Full	21.94	/	/	20.26	/	/	<=30	Pass
		Inner_Full	21.54	/	/	19.86	/	/	<=30	Pass
		Inner_1RB_Left	23.13	/	/	21.45	/	/	<=30	Pass
		Inner_1RB_Right	22.42	/	/	20.74	/	/	<=30	Pass
	3964.98	Edge_1RB_Left	22.41	/	/	20.73	/	/	<=30	Pass
		Edge_1RB_Right	21.89	/	/	20.21	/	/	<=30	Pass
		Outer_Full	21.43	/	/	19.75	/	/	<=30	Pass
		Inner_Full	21.20	/	/	19.52	/	/	<=30	Pass
		Inner_1RB_Left	22.27	/	/	20.59	/	/	<=30	Pass
		Inner_1RB_Right	21.93	/	/	20.25	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3715.02	Edge_1RB_Left	24.70	/	/	23.02	/	/	<=30	Pass
		Edge_1RB_Right	25.50	/	/	23.82	/	/	<=30	Pass
		Outer_Full	24.33	/	/	22.65	/	/	<=30	Pass
		Inner_Full	23.97	/	/	22.29	/	/	<=30	Pass
		Inner_1RB_Left	24.59	/	/	22.91	/	/	<=30	Pass
		Inner_1RB_Right	25.54	/	/	23.86	/	/	<=30	Pass
	3840	Edge_1RB_Left	23.44	/	/	21.76	/	/	<=30	Pass
		Edge_1RB_Right	22.46	/	/	20.78	/	/	<=30	Pass
		Outer_Full	21.95	/	/	20.27	/	/	<=30	Pass
		Inner_Full	21.55	/	/	19.87	/	/	<=30	Pass
		Inner_1RB_Left	23.29	/	/	21.61	/	/	<=30	Pass
		Inner_1RB_Right	22.50	/	/	20.82	/	/	<=30	Pass
	3964.98	Edge_1RB_Left	22.69	/	/	21.01	/	/	<=30	Pass
		Edge_1RB_Right	22.15	/	/	20.47	/	/	<=30	Pass
		Outer_Full	21.45	/	/	19.77	/	/	<=30	Pass
		Inner_Full	21.21	/	/	19.53	/	/	<=30	Pass
		Inner_1RB_Left	22.54	/	/	20.86	/	/	<=30	Pass
		Inner_1RB_Right	22.21	/	/	20.53	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3715.02	Edge_1RB_Left	24.16	/	/	22.48	/	/	<=30	Pass
		Edge_1RB_Right	25.30	/	/	23.62	/	/	<=30	Pass
		Outer_Full	23.53	/	/	21.85	/	/	<=30	Pass
		Inner_Full	23.65	/	/	21.97	/	/	<=30	Pass
		Inner_1RB_Left	24.05	/	/	22.37	/	/	<=30	Pass
		Inner_1RB_Right	25.33	/	/	23.65	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.40	/	/	20.72	/	/	<=30	Pass
		Edge_1RB_Right	21.55	/	/	19.87	/	/	<=30	Pass
		Outer_Full	20.55	/	/	18.87	/	/	<=30	Pass
		Inner_Full	20.73	/	/	19.05	/	/	<=30	Pass
		Inner_1RB_Left	22.24	/	/	20.56	/	/	<=30	Pass
		Inner_1RB_Right	21.62	/	/	19.94	/	/	<=30	Pass

	3964.98	Edge_1RB_Left	21.45	/	/	19.77	/	/	<=30	Pass
		Edge_1RB_Right	20.95	/	/	19.27	/	/	<=30	Pass
		Outer_Full	19.92	/	/	18.24	/	/	<=30	Pass
		Inner_Full	20.20	/	/	18.52	/	/	<=30	Pass
		Inner_1RB_Left	21.31	/	/	19.63	/	/	<=30	Pass
		Inner_1RB_Right	21.00	/	/	19.32	/	/	<=30	Pass
CP-OFDM QPSK	3715.02	Edge_1RB_Left	24.27	/	/	22.59	/	/	<=30	Pass
		Edge_1RB_Right	25.50	/	/	23.82	/	/	<=30	Pass
		Outer_Full	24.30	/	/	22.62	/	/	<=30	Pass
		Inner_Full	23.93	/	/	22.25	/	/	<=30	Pass
		Inner_1RB_Left	24.16	/	/	22.48	/	/	<=30	Pass
		Inner_1RB_Right	25.57	/	/	23.89	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.99	/	/	21.31	/	/	<=30	Pass
		Edge_1RB_Right	22.11	/	/	20.43	/	/	<=30	Pass
		Outer_Full	21.91	/	/	20.23	/	/	<=30	Pass
		Inner_Full	21.47	/	/	19.79	/	/	<=30	Pass
		Inner_1RB_Left	22.85	/	/	21.17	/	/	<=30	Pass
		Inner_1RB_Right	22.18	/	/	20.50	/	/	<=30	Pass
	3964.98	Edge_1RB_Left	22.27	/	/	20.59	/	/	<=30	Pass
		Edge_1RB_Right	21.76	/	/	20.08	/	/	<=30	Pass
		Outer_Full	21.38	/	/	19.70	/	/	<=30	Pass
		Inner_Full	21.06	/	/	19.38	/	/	<=30	Pass
		Inner_1RB_Left	22.14	/	/	20.46	/	/	<=30	Pass
		Inner_1RB_Right	21.83	/	/	20.15	/	/	<=30	Pass
CP-OFDM 16 QAM	3715.02	Edge_1RB_Left	24.56	/	/	22.88	/	/	<=30	Pass
		Edge_1RB_Right	25.51	/	/	23.83	/	/	<=30	Pass
		Outer_Full	24.30	/	/	22.62	/	/	<=30	Pass
		Inner_Full	23.91	/	/	22.23	/	/	<=30	Pass
		Inner_1RB_Left	24.12	/	/	22.44	/	/	<=30	Pass
		Inner_1RB_Right	25.58	/	/	23.90	/	/	<=30	Pass
	3840	Edge_1RB_Left	23.08	/	/	21.40	/	/	<=30	Pass
		Edge_1RB_Right	22.04	/	/	20.36	/	/	<=30	Pass
		Outer_Full	21.89	/	/	20.21	/	/	<=30	Pass
		Inner_Full	21.46	/	/	19.78	/	/	<=30	Pass
		Inner_1RB_Left	22.95	/	/	21.27	/	/	<=30	Pass
		Inner_1RB_Right	22.13	/	/	20.45	/	/	<=30	Pass
	3964.98	Edge_1RB_Left	22.20	/	/	20.52	/	/	<=30	Pass
		Edge_1RB_Right	21.70	/	/	20.02	/	/	<=30	Pass
		Outer_Full	21.37	/	/	19.69	/	/	<=30	Pass
		Inner_Full	21.05	/	/	19.37	/	/	<=30	Pass
		Inner_1RB_Left	22.08	/	/	20.40	/	/	<=30	Pass
		Inner_1RB_Right	22.13	/	/	20.45	/	/	<=30	Pass
CP-OFDM 64 QAM	3715.02	Edge_1RB_Left	24.56	/	/	22.88	/	/	<=30	Pass
		Edge_1RB_Right	25.48	/	/	23.80	/	/	<=30	Pass
		Outer_Full	23.82	/	/	22.14	/	/	<=30	Pass
		Inner_Full	23.97	/	/	22.29	/	/	<=30	Pass
		Inner_1RB_Left	24.45	/	/	22.77	/	/	<=30	Pass
		Inner_1RB_Right	25.56	/	/	23.88	/	/	<=30	Pass
	3840	Edge_1RB_Left	23.31	/	/	21.63	/	/	<=30	Pass
		Edge_1RB_Right	22.21	/	/	20.53	/	/	<=30	Pass
		Outer_Full	21.33	/	/	19.65	/	/	<=30	Pass
		Inner_Full	21.50	/	/	19.82	/	/	<=30	Pass
		Inner_1RB_Left	22.96	/	/	21.28	/	/	<=30	Pass
		Inner_1RB_Right	22.51	/	/	20.83	/	/	<=30	Pass
	3964.98	Edge_1RB_Left	22.57	/	/	20.89	/	/	<=30	Pass
		Edge_1RB_Right	22.05	/	/	20.37	/	/	<=30	Pass
		Outer_Full	20.84	/	/	19.16	/	/	<=30	Pass
		Inner_Full	21.11	/	/	19.43	/	/	<=30	Pass
		Inner_1RB_Left	22.44	/	/	20.76	/	/	<=30	Pass

CP-OFDM 256 QAM	3715.02	Inner 1RB Right	22.13	/	/	20.45	/	/	<=30	Pass
		Edge 1RB Left	22.31	/	/	20.63	/	/	<=30	Pass
		Edge 1RB Right	23.31	/	/	21.63	/	/	<=30	Pass
		Outer Full	21.71	/	/	20.03	/	/	<=30	Pass
		Inner Full	21.91	/	/	20.23	/	/	<=30	Pass
		Inner 1RB Left	22.28	/	/	20.60	/	/	<=30	Pass
	3840	Inner 1RB Right	23.50	/	/	21.82	/	/	<=30	Pass
		Edge 1RB Left	20.36	/	/	18.68	/	/	<=30	Pass
		Edge 1RB Right	19.55	/	/	17.87	/	/	<=30	Pass
		Outer Full	18.58	/	/	16.90	/	/	<=30	Pass
		Inner Full	18.72	/	/	17.04	/	/	<=30	Pass
		Inner 1RB Left	20.20	/	/	18.52	/	/	<=30	Pass
	3964.98	Inner 1RB Right	19.65	/	/	17.97	/	/	<=30	Pass
		Edge 1RB Left	19.49	/	/	17.81	/	/	<=30	Pass
		Edge 1RB Right	18.99	/	/	17.31	/	/	<=30	Pass
		Outer Full	18.04	/	/	16.36	/	/	<=30	Pass
		Inner Full	18.25	/	/	16.57	/	/	<=30	Pass
		Inner 1RB Left	19.38	/	/	17.70	/	/	<=30	Pass
		Inner 1RB Right	19.07	/	/	17.39	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: -1.68dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.13 30k_SISO_40MHz_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 40MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3720	Edge 1RB Left	25.08	/	/	23.40	/	/	<=30	Pass
		Edge 1RB Right	25.89	/	/	24.21	/	/	<=30	Pass
		Outer Full	24.57	/	/	22.89	/	/	<=30	Pass
		Inner Full	23.97	/	/	22.29	/	/	<=30	Pass
		Inner 1RB Left	25.00	/	/	23.32	/	/	<=30	Pass
		Inner 1RB Right	26.04	/	/	24.36	/	/	<=30	Pass
	3840	Edge 1RB Left	23.48	/	/	21.80	/	/	<=30	Pass
		Edge 1RB Right	22.37	/	/	20.69	/	/	<=30	Pass
		Outer Full	22.19	/	/	20.51	/	/	<=30	Pass
		Inner Full	21.33	/	/	19.65	/	/	<=30	Pass
		Inner 1RB Left	23.31	/	/	21.63	/	/	<=30	Pass
		Inner 1RB Right	22.49	/	/	20.81	/	/	<=30	Pass
	3960	Edge 1RB Left	23.08	/	/	21.40	/	/	<=30	Pass
		Edge 1RB Right	22.58	/	/	20.90	/	/	<=30	Pass
		Outer Full	21.81	/	/	20.13	/	/	<=30	Pass
		Inner Full	21.28	/	/	19.60	/	/	<=30	Pass
		Inner 1RB Left	22.95	/	/	21.27	/	/	<=30	Pass
		Inner 1RB Right	22.70	/	/	21.02	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3720	Edge 1RB Left	25.06	/	/	23.38	/	/	<=30	Pass
		Edge 1RB Right	25.87	/	/	24.19	/	/	<=30	Pass
		Outer Full	24.50	/	/	22.82	/	/	<=30	Pass
		Inner Full	23.95	/	/	22.27	/	/	<=30	Pass
		Inner 1RB Left	25.00	/	/	23.32	/	/	<=30	Pass
		Inner 1RB Right	26.00	/	/	24.32	/	/	<=30	Pass
	3840	Edge 1RB Left	23.48	/	/	21.80	/	/	<=30	Pass
		Edge 1RB Right	22.36	/	/	20.68	/	/	<=30	Pass
		Outer Full	21.89	/	/	20.21	/	/	<=30	Pass
		Inner Full	21.28	/	/	19.60	/	/	<=30	Pass
		Inner 1RB Left	23.33	/	/	21.65	/	/	<=30	Pass
		Inner 1RB Right	22.50	/	/	20.82	/	/	<=30	Pass

	3960	Edge_1RB_Left	23.09	/	/	21.41	/	/	<=30	Pass
		Edge_1RB_Right	22.53	/	/	20.85	/	/	<=30	Pass
		Outer_Full	21.70	/	/	20.02	/	/	<=30	Pass
		Inner_Full	21.25	/	/	19.57	/	/	<=30	Pass
		Inner_1RB_Left	22.96	/	/	21.28	/	/	<=30	Pass
		Inner_1RB_Right	22.63	/	/	20.95	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3720	Edge_1RB_Left	24.89	/	/	23.21	/	/	<=30	Pass
		Edge_1RB_Right	25.94	/	/	24.26	/	/	<=30	Pass
		Outer_Full	24.46	/	/	22.78	/	/	<=30	Pass
		Inner_Full	23.92	/	/	22.24	/	/	<=30	Pass
		Inner_1RB_Left	24.84	/	/	23.16	/	/	<=30	Pass
		Inner_1RB_Right	26.07	/	/	24.39	/	/	<=30	Pass
	3840	Edge_1RB_Left	23.30	/	/	21.62	/	/	<=30	Pass
		Edge_1RB_Right	22.21	/	/	20.53	/	/	<=30	Pass
		Outer_Full	21.87	/	/	20.19	/	/	<=30	Pass
		Inner_Full	21.27	/	/	19.59	/	/	<=30	Pass
		Inner_1RB_Left	23.16	/	/	21.48	/	/	<=30	Pass
		Inner_1RB_Right	22.35	/	/	20.67	/	/	<=30	Pass
	3960	Edge_1RB_Left	22.91	/	/	21.23	/	/	<=30	Pass
		Edge_1RB_Right	22.57	/	/	20.89	/	/	<=30	Pass
		Outer_Full	21.67	/	/	19.99	/	/	<=30	Pass
		Inner_Full	21.21	/	/	19.53	/	/	<=30	Pass
		Inner_1RB_Left	22.79	/	/	21.11	/	/	<=30	Pass
		Inner_1RB_Right	22.67	/	/	20.99	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3720	Edge_1RB_Left	24.60	/	/	22.92	/	/	<=30	Pass
		Edge_1RB_Right	25.48	/	/	23.80	/	/	<=30	Pass
		Outer_Full	23.70	/	/	22.02	/	/	<=30	Pass
		Inner_Full	23.76	/	/	22.08	/	/	<=30	Pass
		Inner_1RB_Left	24.56	/	/	22.88	/	/	<=30	Pass
		Inner_1RB_Right	25.59	/	/	23.91	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.80	/	/	21.12	/	/	<=30	Pass
		Edge_1RB_Right	21.68	/	/	20.00	/	/	<=30	Pass
		Outer_Full	20.52	/	/	18.84	/	/	<=30	Pass
		Inner_Full	20.65	/	/	18.97	/	/	<=30	Pass
		Inner_1RB_Left	22.53	/	/	20.85	/	/	<=30	Pass
		Inner_1RB_Right	21.79	/	/	20.11	/	/	<=30	Pass
	3960	Edge_1RB_Left	22.03	/	/	20.35	/	/	<=30	Pass
		Edge_1RB_Right	21.54	/	/	19.86	/	/	<=30	Pass
		Outer_Full	20.19	/	/	18.51	/	/	<=30	Pass
		Inner_Full	20.28	/	/	18.60	/	/	<=30	Pass
		Inner_1RB_Left	21.88	/	/	20.20	/	/	<=30	Pass
		Inner_1RB_Right	21.62	/	/	19.94	/	/	<=30	Pass
CP-OFDM QPSK	3720	Edge_1RB_Left	24.83	/	/	23.15	/	/	<=30	Pass
		Edge_1RB_Right	25.67	/	/	23.99	/	/	<=30	Pass
		Outer_Full	24.57	/	/	22.89	/	/	<=30	Pass
		Inner_Full	23.96	/	/	22.28	/	/	<=30	Pass
		Inner_1RB_Left	24.80	/	/	23.12	/	/	<=30	Pass
		Inner_1RB_Right	25.78	/	/	24.10	/	/	<=30	Pass
	3840	Edge_1RB_Left	23.38	/	/	21.70	/	/	<=30	Pass
		Edge_1RB_Right	22.30	/	/	20.62	/	/	<=30	Pass
		Outer_Full	22.37	/	/	20.69	/	/	<=30	Pass
		Inner_Full	21.35	/	/	19.67	/	/	<=30	Pass
		Inner_1RB_Left	23.57	/	/	21.89	/	/	<=30	Pass
		Inner_1RB_Right	22.42	/	/	20.74	/	/	<=30	Pass
	3960	Edge_1RB_Left	22.90	/	/	21.22	/	/	<=30	Pass
		Edge_1RB_Right	22.27	/	/	20.59	/	/	<=30	Pass
		Outer_Full	21.71	/	/	20.03	/	/	<=30	Pass
		Inner_Full	21.19	/	/	19.51	/	/	<=30	Pass
		Inner_1RB_Left	22.81	/	/	21.13	/	/	<=30	Pass

Note1: Antenna Gain: Ant1: -1.68dBi;
Note2: EIRP=Conducted Power+Antenna Gain

1.1.14 30k_SISO_50MHz_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 50MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3725.01	Edge_1RB_Left	24.43	/	/	22.75	/	/	<=30	Pass
		Edge_1RB_Right	25.40	/	/	23.72	/	/	<=30	Pass
		Outer_Full	25.30	/	/	23.62	/	/	<=30	Pass
		Inner_Full	24.64	/	/	22.96	/	/	<=30	Pass
		Inner_1RB_Left	24.45	/	/	22.77	/	/	<=30	Pass
		Inner_1RB_Right	25.66	/	/	23.98	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.47	/	/	20.79	/	/	<=30	Pass
		Edge_1RB_Right	21.47	/	/	19.79	/	/	<=30	Pass
		Outer_Full	22.28	/	/	20.60	/	/	<=30	Pass
		Inner_Full	21.63	/	/	19.95	/	/	<=30	Pass
		Inner_1RB_Left	22.46	/	/	20.78	/	/	<=30	Pass
		Inner_1RB_Right	21.99	/	/	20.31	/	/	<=30	Pass
	3954.99	Edge_1RB_Left	21.71	/	/	20.03	/	/	<=30	Pass
		Edge_1RB_Right	21.53	/	/	19.85	/	/	<=30	Pass
		Outer_Full	21.80	/	/	20.12	/	/	<=30	Pass
		Inner_Full	21.24	/	/	19.56	/	/	<=30	Pass
		Inner_1RB_Left	21.73	/	/	20.05	/	/	<=30	Pass
		Inner_1RB_Right	21.73	/	/	20.05	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3725.01	Edge_1RB_Left	24.37	/	/	22.69	/	/	<=30	Pass
		Edge_1RB_Right	25.39	/	/	23.71	/	/	<=30	Pass
		Outer_Full	25.18	/	/	23.50	/	/	<=30	Pass
		Inner_Full	24.57	/	/	22.89	/	/	<=30	Pass
		Inner_1RB_Left	24.42	/	/	22.74	/	/	<=30	Pass
		Inner_1RB_Right	25.63	/	/	23.95	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.45	/	/	20.77	/	/	<=30	Pass
		Edge_1RB_Right	21.46	/	/	19.78	/	/	<=30	Pass
		Outer_Full	22.20	/	/	20.52	/	/	<=30	Pass
		Inner_Full	21.54	/	/	19.86	/	/	<=30	Pass
		Inner_1RB_Left	22.50	/	/	20.82	/	/	<=30	Pass
		Inner_1RB_Right	21.72	/	/	20.04	/	/	<=30	Pass
	3954.99	Edge_1RB_Left	21.76	/	/	20.08	/	/	<=30	Pass
		Edge_1RB_Right	21.53	/	/	19.85	/	/	<=30	Pass
		Outer_Full	21.72	/	/	20.04	/	/	<=30	Pass
		Inner_Full	21.18	/	/	19.50	/	/	<=30	Pass
		Inner_1RB_Left	21.79	/	/	20.11	/	/	<=30	Pass
		Inner_1RB_Right	21.74	/	/	20.06	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3725.01	Edge_1RB_Left	24.38	/	/	22.70	/	/	<=30	Pass
		Edge_1RB_Right	25.93	/	/	24.25	/	/	<=30	Pass
		Outer_Full	25.12	/	/	23.44	/	/	<=30	Pass
		Inner_Full	24.95	/	/	23.27	/	/	<=30	Pass
		Inner_1RB_Left	24.47	/	/	22.79	/	/	<=30	Pass
		Inner_1RB_Right	25.92	/	/	24.24	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.53	/	/	20.85	/	/	<=30	Pass
		Edge_1RB_Right	21.32	/	/	19.64	/	/	<=30	Pass
		Outer_Full	22.15	/	/	20.47	/	/	<=30	Pass
		Inner_Full	21.62	/	/	19.94	/	/	<=30	Pass
		Inner_1RB_Left	22.72	/	/	21.04	/	/	<=30	Pass
		Inner_1RB_Right	21.85	/	/	20.17	/	/	<=30	Pass
	3954.99	Edge_1RB_Left	21.78	/	/	20.10	/	/	<=30	Pass
		Edge_1RB_Right	21.58	/	/	19.90	/	/	<=30	Pass
		Outer_Full	21.69	/	/	20.01	/	/	<=30	Pass
		Inner_Full	21.20	/	/	19.52	/	/	<=30	Pass
		Inner_1RB_Left	21.86	/	/	20.18	/	/	<=30	Pass

DFT-s-OFDM 256 QAM	3725.01	Inner_1RB_Right	21.78	/	/	20.10	/	/	<=30	Pass
		Edge_1RB_Left	23.98	/	/	22.30	/	/	<=30	Pass
		Edge_1RB_Right	25.14	/	/	23.46	/	/	<=30	Pass
		Outer_Full	24.48	/	/	22.80	/	/	<=30	Pass
		Inner_Full	24.09	/	/	22.41	/	/	<=30	Pass
		Inner_1RB_Left	24.04	/	/	22.36	/	/	<=30	Pass
	3840	Inner_1RB_Right	25.43	/	/	23.75	/	/	<=30	Pass
		Edge_1RB_Left	21.73	/	/	20.05	/	/	<=30	Pass
		Edge_1RB_Right	20.69	/	/	19.01	/	/	<=30	Pass
		Outer_Full	21.07	/	/	19.39	/	/	<=30	Pass
		Inner_Full	20.83	/	/	19.15	/	/	<=30	Pass
		Inner_1RB_Left	21.71	/	/	20.03	/	/	<=30	Pass
	3954.99	Inner_1RB_Right	20.91	/	/	19.23	/	/	<=30	Pass
		Edge_1RB_Left	20.89	/	/	19.21	/	/	<=30	Pass
		Edge_1RB_Right	20.71	/	/	19.03	/	/	<=30	Pass
		Outer_Full	20.44	/	/	18.76	/	/	<=30	Pass
		Inner_Full	20.51	/	/	18.83	/	/	<=30	Pass
		Inner_1RB_Left	21.07	/	/	19.39	/	/	<=30	Pass
CP-OFDM QPSK	3725.01	Inner_1RB_Right	21.00	/	/	19.32	/	/	<=30	Pass
		Edge_1RB_Left	24.11	/	/	22.43	/	/	<=30	Pass
		Edge_1RB_Right	25.56	/	/	23.88	/	/	<=30	Pass
		Outer_Full	25.03	/	/	23.35	/	/	<=30	Pass
		Inner_Full	24.82	/	/	23.14	/	/	<=30	Pass
		Inner_1RB_Left	24.20	/	/	22.52	/	/	<=30	Pass
	3840	Inner_1RB_Right	25.78	/	/	24.10	/	/	<=30	Pass
		Edge_1RB_Left	22.34	/	/	20.66	/	/	<=30	Pass
		Edge_1RB_Right	21.36	/	/	19.68	/	/	<=30	Pass
		Outer_Full	22.16	/	/	20.48	/	/	<=30	Pass
		Inner_Full	21.54	/	/	19.86	/	/	<=30	Pass
		Inner_1RB_Left	22.40	/	/	20.72	/	/	<=30	Pass
	3954.99	Inner_1RB_Right	21.55	/	/	19.87	/	/	<=30	Pass
		Edge_1RB_Left	21.67	/	/	19.99	/	/	<=30	Pass
		Edge_1RB_Right	21.37	/	/	19.69	/	/	<=30	Pass
		Outer_Full	21.66	/	/	19.98	/	/	<=30	Pass
		Inner_Full	21.14	/	/	19.46	/	/	<=30	Pass
		Inner_1RB_Left	21.73	/	/	20.05	/	/	<=30	Pass
CP-OFDM 16 QAM	3725.01	Inner_1RB_Right	21.58	/	/	19.90	/	/	<=30	Pass
		Edge_1RB_Left	24.16	/	/	22.48	/	/	<=30	Pass
		Edge_1RB_Right	25.41	/	/	23.73	/	/	<=30	Pass
		Outer_Full	25.33	/	/	23.65	/	/	<=30	Pass
		Inner_Full	24.76	/	/	23.08	/	/	<=30	Pass
		Inner_1RB_Left	24.25	/	/	22.57	/	/	<=30	Pass
	3840	Inner_1RB_Right	25.71	/	/	24.03	/	/	<=30	Pass
		Edge_1RB_Left	22.43	/	/	20.75	/	/	<=30	Pass
		Edge_1RB_Right	21.40	/	/	19.72	/	/	<=30	Pass
		Outer_Full	22.13	/	/	20.45	/	/	<=30	Pass
		Inner_Full	21.52	/	/	19.84	/	/	<=30	Pass
		Inner_1RB_Left	22.49	/	/	20.81	/	/	<=30	Pass
	3954.99	Inner_1RB_Right	21.63	/	/	19.95	/	/	<=30	Pass
		Edge_1RB_Left	21.70	/	/	20.02	/	/	<=30	Pass
		Edge_1RB_Right	21.42	/	/	19.74	/	/	<=30	Pass
		Outer_Full	21.62	/	/	19.94	/	/	<=30	Pass
		Inner_Full	21.13	/	/	19.45	/	/	<=30	Pass
		Inner_1RB_Left	21.77	/	/	20.09	/	/	<=30	Pass
CP-OFDM 64 QAM	3725.01	Inner_1RB_Right	21.65	/	/	19.97	/	/	<=30	Pass
		Edge_1RB_Left	24.29	/	/	22.61	/	/	<=30	Pass
		Edge_1RB_Right	25.86	/	/	24.18	/	/	<=30	Pass
		Outer_Full	24.81	/	/	23.13	/	/	<=30	Pass
		Inner_Full	24.84	/	/	23.16	/	/	<=30	Pass

		Inner_1RB_Left	24.38	/	/	22.70	/	/	<=30	Pass
		Inner_1RB_Right	25.84	/	/	24.16	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.61	/	/	20.93	/	/	<=30	Pass
		Edge_1RB_Right	21.54	/	/	19.86	/	/	<=30	Pass
		Outer_Full	21.51	/	/	19.83	/	/	<=30	Pass
		Inner_Full	21.53	/	/	19.85	/	/	<=30	Pass
		Inner_1RB_Left	22.64	/	/	20.96	/	/	<=30	Pass
		Inner_1RB_Right	21.79	/	/	20.11	/	/	<=30	Pass
	3954.99	Edge_1RB_Left	21.85	/	/	20.17	/	/	<=30	Pass
		Edge_1RB_Right	21.52	/	/	19.84	/	/	<=30	Pass
		Outer_Full	21.11	/	/	19.43	/	/	<=30	Pass
		Inner_Full	21.16	/	/	19.48	/	/	<=30	Pass
		Inner_1RB_Left	21.92	/	/	20.24	/	/	<=30	Pass
		Inner_1RB_Right	21.77	/	/	20.09	/	/	<=30	Pass
CP-OFDM 256 QAM	3725.01	Edge_1RB_Left	22.31	/	/	20.63	/	/	<=30	Pass
		Edge_1RB_Right	23.42	/	/	21.74	/	/	<=30	Pass
		Outer_Full	22.74	/	/	21.06	/	/	<=30	Pass
		Inner_Full	22.37	/	/	20.69	/	/	<=30	Pass
		Inner_1RB_Left	22.23	/	/	20.55	/	/	<=30	Pass
		Inner_1RB_Right	23.23	/	/	21.55	/	/	<=30	Pass
	3840	Edge_1RB_Left	19.67	/	/	17.99	/	/	<=30	Pass
		Edge_1RB_Right	18.67	/	/	16.99	/	/	<=30	Pass
		Outer_Full	18.77	/	/	17.09	/	/	<=30	Pass
		Inner_Full	18.80	/	/	17.12	/	/	<=30	Pass
		Inner_1RB_Left	19.72	/	/	18.04	/	/	<=30	Pass
		Inner_1RB_Right	18.92	/	/	17.24	/	/	<=30	Pass
	3954.99	Edge_1RB_Left	19.04	/	/	17.36	/	/	<=30	Pass
		Edge_1RB_Right	18.81	/	/	17.13	/	/	<=30	Pass
		Outer_Full	18.52	/	/	16.84	/	/	<=30	Pass
		Inner_Full	18.55	/	/	16.87	/	/	<=30	Pass
		Inner_1RB_Left	19.10	/	/	17.42	/	/	<=30	Pass
		Inner_1RB_Right	19.02	/	/	17.34	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: -1.68dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.15 30k_SISO_60MHz_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 60MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3730.02	Edge_1RB_Left	24.10	/	/	22.42	/	/	<=30	Pass
		Edge_1RB_Right	24.10	/	/	22.42	/	/	<=30	Pass
		Outer_Full	24.37	/	/	22.69	/	/	<=30	Pass
		Inner_Full	24.36	/	/	22.68	/	/	<=30	Pass
		Inner_1RB_Left	24.16	/	/	22.48	/	/	<=30	Pass
		Inner_1RB_Right	24.21	/	/	22.53	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.27	/	/	20.59	/	/	<=30	Pass
		Edge_1RB_Right	20.64	/	/	18.96	/	/	<=30	Pass
		Outer_Full	21.41	/	/	19.73	/	/	<=30	Pass
		Inner_Full	21.29	/	/	19.61	/	/	<=30	Pass
		Inner_1RB_Left	22.15	/	/	20.47	/	/	<=30	Pass
		Inner_1RB_Right	20.62	/	/	18.94	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	21.07	/	/	19.39	/	/	<=30	Pass
		Edge_1RB_Right	20.89	/	/	19.21	/	/	<=30	Pass
		Outer_Full	20.93	/	/	19.25	/	/	<=30	Pass
		Inner_Full	20.80	/	/	19.12	/	/	<=30	Pass
		Inner_1RB_Left	21.06	/	/	19.38	/	/	<=30	Pass

DFT-s-OFDM 16 QAM	3730.02	Inner_1RB_Right	20.94	/	/	19.26	/	/	<=30	Pass
		Edge_1RB_Left	24.06	/	/	22.38	/	/	<=30	Pass
		Edge_1RB_Right	24.10	/	/	22.42	/	/	<=30	Pass
		Outer_Full	24.37	/	/	22.69	/	/	<=30	Pass
		Inner_Full	24.34	/	/	22.66	/	/	<=30	Pass
		Inner_1RB_Left	23.97	/	/	22.29	/	/	<=30	Pass
	3840	Inner_1RB_Right	24.26	/	/	22.58	/	/	<=30	Pass
		Edge_1RB_Left	22.22	/	/	20.54	/	/	<=30	Pass
		Edge_1RB_Right	20.59	/	/	18.91	/	/	<=30	Pass
		Outer_Full	21.30	/	/	19.62	/	/	<=30	Pass
		Inner_Full	21.24	/	/	19.56	/	/	<=30	Pass
		Inner_1RB_Left	22.19	/	/	20.51	/	/	<=30	Pass
	3949.98	Inner_1RB_Right	20.69	/	/	19.01	/	/	<=30	Pass
		Edge_1RB_Left	21.09	/	/	19.41	/	/	<=30	Pass
		Edge_1RB_Right	20.81	/	/	19.13	/	/	<=30	Pass
		Outer_Full	20.96	/	/	19.28	/	/	<=30	Pass
		Inner_Full	20.81	/	/	19.13	/	/	<=30	Pass
		Inner_1RB_Left	21.37	/	/	19.69	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3730.02	Inner_1RB_Right	20.85	/	/	19.17	/	/	<=30	Pass
		Edge_1RB_Left	24.22	/	/	22.54	/	/	<=30	Pass
		Edge_1RB_Right	24.06	/	/	22.38	/	/	<=30	Pass
		Outer_Full	24.32	/	/	22.64	/	/	<=30	Pass
		Inner_Full	24.34	/	/	22.66	/	/	<=30	Pass
		Inner_1RB_Left	24.22	/	/	22.54	/	/	<=30	Pass
	3840	Inner_1RB_Right	24.13	/	/	22.45	/	/	<=30	Pass
		Edge_1RB_Left	22.26	/	/	20.58	/	/	<=30	Pass
		Edge_1RB_Right	20.45	/	/	18.77	/	/	<=30	Pass
		Outer_Full	21.23	/	/	19.55	/	/	<=30	Pass
		Inner_Full	21.20	/	/	19.52	/	/	<=30	Pass
		Inner_1RB_Left	22.15	/	/	20.47	/	/	<=30	Pass
	3949.98	Inner_1RB_Right	20.39	/	/	18.71	/	/	<=30	Pass
		Edge_1RB_Left	21.40	/	/	19.72	/	/	<=30	Pass
		Edge_1RB_Right	21.04	/	/	19.36	/	/	<=30	Pass
		Outer_Full	20.87	/	/	19.19	/	/	<=30	Pass
		Inner_Full	20.79	/	/	19.11	/	/	<=30	Pass
		Inner_1RB_Left	21.27	/	/	19.59	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3730.02	Inner_1RB_Right	21.11	/	/	19.43	/	/	<=30	Pass
		Edge_1RB_Left	23.52	/	/	21.84	/	/	<=30	Pass
		Edge_1RB_Right	23.69	/	/	22.01	/	/	<=30	Pass
		Outer_Full	23.36	/	/	21.68	/	/	<=30	Pass
		Inner_Full	23.84	/	/	22.16	/	/	<=30	Pass
		Inner_1RB_Left	23.43	/	/	21.75	/	/	<=30	Pass
	3840	Inner_1RB_Right	23.84	/	/	22.16	/	/	<=30	Pass
		Edge_1RB_Left	21.38	/	/	19.70	/	/	<=30	Pass
		Edge_1RB_Right	19.75	/	/	18.07	/	/	<=30	Pass
		Outer_Full	19.82	/	/	18.14	/	/	<=30	Pass
		Inner_Full	20.37	/	/	18.69	/	/	<=30	Pass
		Inner_1RB_Left	21.25	/	/	19.57	/	/	<=30	Pass
	3949.98	Inner_1RB_Right	19.70	/	/	18.02	/	/	<=30	Pass
		Edge_1RB_Left	20.30	/	/	18.62	/	/	<=30	Pass
		Edge_1RB_Right	20.03	/	/	18.35	/	/	<=30	Pass
		Outer_Full	19.56	/	/	17.88	/	/	<=30	Pass
		Inner_Full	20.02	/	/	18.34	/	/	<=30	Pass
		Inner_1RB_Left	20.26	/	/	18.58	/	/	<=30	Pass
CP-OFDM QPSK	3730.02	Inner_1RB_Right	20.11	/	/	18.43	/	/	<=30	Pass
		Edge_1RB_Left	23.75	/	/	22.07	/	/	<=30	Pass
		Edge_1RB_Right	24.59	/	/	22.91	/	/	<=30	Pass
		Outer_Full	24.24	/	/	22.56	/	/	<=30	Pass
		Inner_Full	24.25	/	/	22.57	/	/	<=30	Pass

	3840	Inner_1RB_Left	23.77	/	/	22.09	/	/	<=30	Pass
		Inner_1RB_Right	24.60	/	/	22.92	/	/	<=30	Pass
		Edge_1RB_Left	22.15	/	/	20.47	/	/	<=30	Pass
		Edge_1RB_Right	20.44	/	/	18.76	/	/	<=30	Pass
		Outer_Full	21.18	/	/	19.50	/	/	<=30	Pass
		Inner_Full	21.10	/	/	19.42	/	/	<=30	Pass
	3949.98	Inner_1RB_Left	21.96	/	/	20.28	/	/	<=30	Pass
		Inner_1RB_Right	20.46	/	/	18.78	/	/	<=30	Pass
		Edge_1RB_Left	20.91	/	/	19.23	/	/	<=30	Pass
		Edge_1RB_Right	20.62	/	/	18.94	/	/	<=30	Pass
		Outer_Full	20.76	/	/	19.08	/	/	<=30	Pass
		Inner_Full	20.67	/	/	18.99	/	/	<=30	Pass
CP-OFDM 16 QAM	3730.02	Inner_1RB_Left	20.92	/	/	19.24	/	/	<=30	Pass
		Inner_1RB_Right	20.70	/	/	19.02	/	/	<=30	Pass
		Edge_1RB_Left	23.74	/	/	22.06	/	/	<=30	Pass
		Edge_1RB_Right	24.50	/	/	22.82	/	/	<=30	Pass
		Outer_Full	24.23	/	/	22.55	/	/	<=30	Pass
		Inner_Full	24.22	/	/	22.54	/	/	<=30	Pass
	3840	Inner_1RB_Left	23.64	/	/	21.96	/	/	<=30	Pass
		Inner_1RB_Right	24.34	/	/	22.66	/	/	<=30	Pass
		Edge_1RB_Left	22.14	/	/	20.46	/	/	<=30	Pass
		Edge_1RB_Right	20.49	/	/	18.81	/	/	<=30	Pass
		Outer_Full	21.10	/	/	19.42	/	/	<=30	Pass
		Inner_Full	21.08	/	/	19.40	/	/	<=30	Pass
	3949.98	Inner_1RB_Left	22.02	/	/	20.34	/	/	<=30	Pass
		Inner_1RB_Right	20.56	/	/	18.88	/	/	<=30	Pass
		Edge_1RB_Left	20.91	/	/	19.23	/	/	<=30	Pass
		Edge_1RB_Right	20.70	/	/	19.02	/	/	<=30	Pass
		Outer_Full	20.73	/	/	19.05	/	/	<=30	Pass
		Inner_Full	20.64	/	/	18.96	/	/	<=30	Pass
CP-OFDM 64 QAM	3730.02	Inner_1RB_Left	20.80	/	/	19.12	/	/	<=30	Pass
		Inner_1RB_Right	20.84	/	/	19.16	/	/	<=30	Pass
		Edge_1RB_Left	24.09	/	/	22.41	/	/	<=30	Pass
		Edge_1RB_Right	24.12	/	/	22.44	/	/	<=30	Pass
		Outer_Full	23.72	/	/	22.04	/	/	<=30	Pass
		Inner_Full	24.21	/	/	22.53	/	/	<=30	Pass
	3840	Inner_1RB_Left	24.05	/	/	22.37	/	/	<=30	Pass
		Inner_1RB_Right	24.58	/	/	22.90	/	/	<=30	Pass
		Edge_1RB_Left	22.31	/	/	20.63	/	/	<=30	Pass
		Edge_1RB_Right	20.61	/	/	18.93	/	/	<=30	Pass
		Outer_Full	20.52	/	/	18.84	/	/	<=30	Pass
		Inner_Full	21.07	/	/	19.39	/	/	<=30	Pass
	3949.98	Inner_1RB_Left	22.21	/	/	20.53	/	/	<=30	Pass
		Inner_1RB_Right	20.67	/	/	18.99	/	/	<=30	Pass
		Edge_1RB_Left	21.33	/	/	19.65	/	/	<=30	Pass
		Edge_1RB_Right	20.89	/	/	19.21	/	/	<=30	Pass
		Outer_Full	20.18	/	/	18.50	/	/	<=30	Pass
		Inner_Full	20.65	/	/	18.97	/	/	<=30	Pass
CP-OFDM 256 QAM	3730.02	Inner_1RB_Left	21.28	/	/	19.60	/	/	<=30	Pass
		Inner_1RB_Right	20.97	/	/	19.29	/	/	<=30	Pass
		Edge_1RB_Left	21.68	/	/	20.00	/	/	<=30	Pass
		Edge_1RB_Right	21.76	/	/	20.08	/	/	<=30	Pass
		Outer_Full	21.44	/	/	19.76	/	/	<=30	Pass
		Inner_Full	21.92	/	/	20.24	/	/	<=30	Pass
	3840	Inner_1RB_Left	21.61	/	/	19.93	/	/	<=30	Pass
		Inner_1RB_Right	21.81	/	/	20.13	/	/	<=30	Pass
		Edge_1RB_Left	19.29	/	/	17.61	/	/	<=30	Pass
		Edge_1RB_Right	17.69	/	/	16.01	/	/	<=30	Pass
		Outer_Full	17.78	/	/	16.10	/	/	<=30	Pass

		Inner_Full	18.36	/	/	16.68	/	/	<=30	Pass
		Inner_1RB_Left	19.26	/	/	17.58	/	/	<=30	Pass
		Inner_1RB_Right	17.79	/	/	16.11	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	18.23	/	/	16.55	/	/	<=30	Pass
		Edge_1RB_Right	17.93	/	/	16.25	/	/	<=30	Pass
		Outer_Full	17.47	/	/	15.79	/	/	<=30	Pass
		Inner_Full	17.89	/	/	16.21	/	/	<=30	Pass
		Inner_1RB_Left	18.16	/	/	16.48	/	/	<=30	Pass
		Inner_1RB_Right	18.01	/	/	16.33	/	/	<=30	Pass
	Note1: Antenna Gain: Ant1: -1.68dBi; Note2: EIRP=Conducted Power+Antenna Gain									

1.1.16 30k_SISO_70MHz_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 70MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3735	Edge_1RB_Left	22.57	/	/	20.89	/	/	<=30	Pass
		Edge_1RB_Right	21.97	/	/	20.29	/	/	<=30	Pass
		Outer_Full	24.04	/	/	22.36	/	/	<=30	Pass
		Inner_Full	23.95	/	/	22.27	/	/	<=30	Pass
		Inner_1RB_Left	23.39	/	/	21.71	/	/	<=30	Pass
		Inner_1RB_Right	23.03	/	/	21.35	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.40	/	/	18.72	/	/	<=30	Pass
		Edge_1RB_Right	18.36	/	/	16.68	/	/	<=30	Pass
		Outer_Full	20.97	/	/	19.29	/	/	<=30	Pass
		Inner_Full	20.77	/	/	19.09	/	/	<=30	Pass
		Inner_1RB_Left	21.16	/	/	19.48	/	/	<=30	Pass
		Inner_1RB_Right	19.39	/	/	17.71	/	/	<=30	Pass
	3945	Edge_1RB_Left	19.42	/	/	17.74	/	/	<=30	Pass
		Edge_1RB_Right	19.21	/	/	17.53	/	/	<=30	Pass
		Outer_Full	20.90	/	/	19.22	/	/	<=30	Pass
		Inner_Full	20.62	/	/	18.94	/	/	<=30	Pass
		Inner_1RB_Left	20.41	/	/	18.73	/	/	<=30	Pass
		Inner_1RB_Right	20.53	/	/	18.85	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3735	Edge_1RB_Left	22.64	/	/	20.96	/	/	<=30	Pass
		Edge_1RB_Right	22.05	/	/	20.37	/	/	<=30	Pass
		Outer_Full	23.94	/	/	22.26	/	/	<=30	Pass
		Inner_Full	23.96	/	/	22.28	/	/	<=30	Pass
		Inner_1RB_Left	22.55	/	/	20.87	/	/	<=30	Pass
		Inner_1RB_Right	22.13	/	/	20.45	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.50	/	/	18.82	/	/	<=30	Pass
		Edge_1RB_Right	18.61	/	/	16.93	/	/	<=30	Pass
		Outer_Full	20.86	/	/	19.18	/	/	<=30	Pass
		Inner_Full	20.77	/	/	19.09	/	/	<=30	Pass
		Inner_1RB_Left	20.05	/	/	18.37	/	/	<=30	Pass
		Inner_1RB_Right	18.37	/	/	16.69	/	/	<=30	Pass
	3945	Edge_1RB_Left	19.14	/	/	17.46	/	/	<=30	Pass
		Edge_1RB_Right	19.30	/	/	17.62	/	/	<=30	Pass
		Outer_Full	20.81	/	/	19.13	/	/	<=30	Pass
		Inner_Full	20.62	/	/	18.94	/	/	<=30	Pass
		Inner_1RB_Left	19.14	/	/	17.46	/	/	<=30	Pass
		Inner_1RB_Right	19.19	/	/	17.51	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3735	Edge_1RB_Left	22.48	/	/	20.80	/	/	<=30	Pass
		Edge_1RB_Right	21.81	/	/	20.13	/	/	<=30	Pass
		Outer_Full	23.99	/	/	22.31	/	/	<=30	Pass
		Inner_Full	23.93	/	/	22.25	/	/	<=30	Pass

		Inner_1RB_Left	21.42	/	/	19.74	/	/	<=30	Pass
		Inner_1RB_Right	20.86	/	/	19.18	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.59	/	/	18.91	/	/	<=30	Pass
		Edge_1RB_Right	18.61	/	/	16.93	/	/	<=30	Pass
		Outer_Full	20.85	/	/	19.17	/	/	<=30	Pass
		Inner_Full	20.76	/	/	19.08	/	/	<=30	Pass
		Inner_1RB_Left	19.35	/	/	17.67	/	/	<=30	Pass
		Inner_1RB_Right	17.58	/	/	15.90	/	/	<=30	Pass
	3945	Edge_1RB_Left	19.43	/	/	17.75	/	/	<=30	Pass
		Edge_1RB_Right	19.17	/	/	17.49	/	/	<=30	Pass
		Outer_Full	20.76	/	/	19.08	/	/	<=30	Pass
		Inner_Full	20.58	/	/	18.90	/	/	<=30	Pass
		Inner_1RB_Left	18.25	/	/	16.57	/	/	<=30	Pass
		Inner_1RB_Right	18.18	/	/	16.50	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3735	Edge_1RB_Left	20.72	/	/	19.04	/	/	<=30	Pass
		Edge_1RB_Right	20.13	/	/	18.45	/	/	<=30	Pass
		Outer_Full	22.97	/	/	21.29	/	/	<=30	Pass
		Inner_Full	23.43	/	/	21.75	/	/	<=30	Pass
		Inner_1RB_Left	19.67	/	/	17.99	/	/	<=30	Pass
		Inner_1RB_Right	19.13	/	/	17.45	/	/	<=30	Pass
	3840	Edge_1RB_Left	18.52	/	/	16.84	/	/	<=30	Pass
		Edge_1RB_Right	16.60	/	/	14.92	/	/	<=30	Pass
		Outer_Full	19.55	/	/	17.87	/	/	<=30	Pass
		Inner_Full	20.03	/	/	18.35	/	/	<=30	Pass
		Inner_1RB_Left	17.28	/	/	15.60	/	/	<=30	Pass
		Inner_1RB_Right	15.58	/	/	13.90	/	/	<=30	Pass
	3945	Edge_1RB_Left	17.62	/	/	15.94	/	/	<=30	Pass
		Edge_1RB_Right	17.49	/	/	15.81	/	/	<=30	Pass
		Outer_Full	19.53	/	/	17.85	/	/	<=30	Pass
		Inner_Full	19.84	/	/	18.16	/	/	<=30	Pass
		Inner_1RB_Left	16.46	/	/	14.78	/	/	<=30	Pass
		Inner_1RB_Right	16.47	/	/	14.79	/	/	<=30	Pass
CP-OFDM QPSK	3735	Edge_1RB_Left	22.44	/	/	20.76	/	/	<=30	Pass
		Edge_1RB_Right	21.91	/	/	20.23	/	/	<=30	Pass
		Outer_Full	23.99	/	/	22.31	/	/	<=30	Pass
		Inner_Full	23.89	/	/	22.21	/	/	<=30	Pass
		Inner_1RB_Left	21.97	/	/	20.29	/	/	<=30	Pass
		Inner_1RB_Right	21.59	/	/	19.91	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.73	/	/	19.05	/	/	<=30	Pass
		Edge_1RB_Right	18.69	/	/	17.01	/	/	<=30	Pass
		Outer_Full	21.31	/	/	19.63	/	/	<=30	Pass
		Inner_Full	20.95	/	/	19.27	/	/	<=30	Pass
		Inner_1RB_Left	19.89	/	/	18.21	/	/	<=30	Pass
		Inner_1RB_Right	18.10	/	/	16.42	/	/	<=30	Pass
	3945	Edge_1RB_Left	19.19	/	/	17.51	/	/	<=30	Pass
		Edge_1RB_Right	19.01	/	/	17.33	/	/	<=30	Pass
		Outer_Full	20.64	/	/	18.96	/	/	<=30	Pass
		Inner_Full	20.43	/	/	18.75	/	/	<=30	Pass
		Inner_1RB_Left	18.39	/	/	16.71	/	/	<=30	Pass
		Inner_1RB_Right	18.40	/	/	16.72	/	/	<=30	Pass
CP-OFDM 16 QAM	3735	Edge_1RB_Left	22.49	/	/	20.81	/	/	<=30	Pass
		Edge_1RB_Right	22.01	/	/	20.33	/	/	<=30	Pass
		Outer_Full	23.95	/	/	22.27	/	/	<=30	Pass
		Inner_Full	23.88	/	/	22.20	/	/	<=30	Pass
		Inner_1RB_Left	21.51	/	/	19.83	/	/	<=30	Pass
		Inner_1RB_Right	21.01	/	/	19.33	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.83	/	/	19.15	/	/	<=30	Pass
		Edge_1RB_Right	18.83	/	/	17.15	/	/	<=30	Pass
		Outer_Full	21.02	/	/	19.34	/	/	<=30	Pass

		Inner_Full	20.94	/	/	19.26	/	/	<=30	Pass
		Inner_1RB_Left	19.60	/	/	17.92	/	/	<=30	Pass
		Inner_1RB_Right	17.85	/	/	16.17	/	/	<=30	Pass
	3945	Edge_1RB_Left	19.14	/	/	17.46	/	/	<=30	Pass
		Edge_1RB_Right	18.94	/	/	17.26	/	/	<=30	Pass
		Outer_Full	20.58	/	/	18.90	/	/	<=30	Pass
		Inner_Full	20.43	/	/	18.75	/	/	<=30	Pass
		Inner_1RB_Left	18.03	/	/	16.35	/	/	<=30	Pass
		Inner_1RB_Right	18.03	/	/	16.35	/	/	<=30	Pass
CP-OFDM 64 QAM	3735	Edge_1RB_Left	22.17	/	/	20.49	/	/	<=30	Pass
		Edge_1RB_Right	21.61	/	/	19.93	/	/	<=30	Pass
		Outer_Full	23.39	/	/	21.71	/	/	<=30	Pass
		Inner_Full	23.88	/	/	22.20	/	/	<=30	Pass
		Inner_1RB_Left	21.08	/	/	19.40	/	/	<=30	Pass
		Inner_1RB_Right	20.47	/	/	18.79	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.37	/	/	18.69	/	/	<=30	Pass
		Edge_1RB_Right	18.34	/	/	16.66	/	/	<=30	Pass
		Outer_Full	20.51	/	/	18.83	/	/	<=30	Pass
		Inner_Full	20.93	/	/	19.25	/	/	<=30	Pass
		Inner_1RB_Left	19.04	/	/	17.36	/	/	<=30	Pass
		Inner_1RB_Right	17.36	/	/	15.68	/	/	<=30	Pass
	3945	Edge_1RB_Left	18.93	/	/	17.25	/	/	<=30	Pass
		Edge_1RB_Right	18.73	/	/	17.05	/	/	<=30	Pass
		Outer_Full	20.06	/	/	18.38	/	/	<=30	Pass
		Inner_Full	20.44	/	/	18.76	/	/	<=30	Pass
		Inner_1RB_Left	17.74	/	/	16.06	/	/	<=30	Pass
		Inner_1RB_Right	17.79	/	/	16.11	/	/	<=30	Pass
CP-OFDM 256 QAM	3735	Edge_1RB_Left	18.58	/	/	16.90	/	/	<=30	Pass
		Edge_1RB_Right	17.87	/	/	16.19	/	/	<=30	Pass
		Outer_Full	21.10	/	/	19.42	/	/	<=30	Pass
		Inner_Full	21.59	/	/	19.91	/	/	<=30	Pass
		Inner_1RB_Left	17.56	/	/	15.88	/	/	<=30	Pass
		Inner_1RB_Right	16.81	/	/	15.13	/	/	<=30	Pass
	3840	Edge_1RB_Left	16.23	/	/	14.55	/	/	<=30	Pass
		Edge_1RB_Right	14.59	/	/	12.91	/	/	<=30	Pass
		Outer_Full	17.83	/	/	16.15	/	/	<=30	Pass
		Inner_Full	18.26	/	/	16.58	/	/	<=30	Pass
		Inner_1RB_Left	15.16	/	/	13.48	/	/	<=30	Pass
		Inner_1RB_Right	13.67	/	/	11.99	/	/	<=30	Pass
	3945	Edge_1RB_Left	15.61	/	/	13.93	/	/	<=30	Pass
		Edge_1RB_Right	15.34	/	/	13.66	/	/	<=30	Pass
		Outer_Full	17.33	/	/	15.65	/	/	<=30	Pass
		Inner_Full	17.68	/	/	16.00	/	/	<=30	Pass
		Inner_1RB_Left	14.52	/	/	12.84	/	/	<=30	Pass
		Inner_1RB_Right	14.41	/	/	12.73	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: -1.68dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.17 30k_SISO_80MHz_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 80MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3740.01	Edge_1RB_Left	24.06	/	/	22.38	/	/	<=30	Pass
		Edge_1RB_Right	22.90	/	/	21.22	/	/	<=30	Pass
		Outer_Full	24.12	/	/	22.44	/	/	<=30	Pass
		Inner_Full	24.04	/	/	22.36	/	/	<=30	Pass

		Inner_1RB_Left	24.02	/	/	22.34	/	/	<=30	Pass
		Inner_1RB_Right	23.02	/	/	21.34	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.54	/	/	20.86	/	/	<=30	Pass
		Edge_1RB_Right	20.39	/	/	18.71	/	/	<=30	Pass
		Outer_Full	21.39	/	/	19.71	/	/	<=30	Pass
		Inner_Full	21.18	/	/	19.50	/	/	<=30	Pass
		Inner_1RB_Left	22.56	/	/	20.88	/	/	<=30	Pass
		Inner_1RB_Right	20.50	/	/	18.82	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	20.98	/	/	19.30	/	/	<=30	Pass
		Edge_1RB_Right	21.01	/	/	19.33	/	/	<=30	Pass
		Outer_Full	20.90	/	/	19.22	/	/	<=30	Pass
		Inner_Full	20.64	/	/	18.96	/	/	<=30	Pass
		Inner_1RB_Left	20.89	/	/	19.21	/	/	<=30	Pass
		Inner_1RB_Right	21.06	/	/	19.38	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3740.01	Edge_1RB_Left	24.05	/	/	22.37	/	/	<=30	Pass
		Edge_1RB_Right	22.95	/	/	21.27	/	/	<=30	Pass
		Outer_Full	23.96	/	/	22.28	/	/	<=30	Pass
		Inner_Full	24.01	/	/	22.33	/	/	<=30	Pass
		Inner_1RB_Left	24.02	/	/	22.34	/	/	<=30	Pass
		Inner_1RB_Right	23.02	/	/	21.34	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.64	/	/	20.96	/	/	<=30	Pass
		Edge_1RB_Right	20.32	/	/	18.64	/	/	<=30	Pass
		Outer_Full	21.29	/	/	19.61	/	/	<=30	Pass
		Inner_Full	21.09	/	/	19.41	/	/	<=30	Pass
		Inner_1RB_Left	22.59	/	/	20.91	/	/	<=30	Pass
		Inner_1RB_Right	20.46	/	/	18.78	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	21.03	/	/	19.35	/	/	<=30	Pass
		Edge_1RB_Right	21.04	/	/	19.36	/	/	<=30	Pass
		Outer_Full	20.81	/	/	19.13	/	/	<=30	Pass
		Inner_Full	20.61	/	/	18.93	/	/	<=30	Pass
		Inner_1RB_Left	20.96	/	/	19.28	/	/	<=30	Pass
		Inner_1RB_Right	21.07	/	/	19.39	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3740.01	Edge_1RB_Left	24.07	/	/	22.39	/	/	<=30	Pass
		Edge_1RB_Right	23.03	/	/	21.35	/	/	<=30	Pass
		Outer_Full	23.92	/	/	22.24	/	/	<=30	Pass
		Inner_Full	23.99	/	/	22.31	/	/	<=30	Pass
		Inner_1RB_Left	24.04	/	/	22.36	/	/	<=30	Pass
		Inner_1RB_Right	23.04	/	/	21.36	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.59	/	/	20.91	/	/	<=30	Pass
		Edge_1RB_Right	20.51	/	/	18.83	/	/	<=30	Pass
		Outer_Full	21.20	/	/	19.52	/	/	<=30	Pass
		Inner_Full	21.12	/	/	19.44	/	/	<=30	Pass
		Inner_1RB_Left	22.71	/	/	21.03	/	/	<=30	Pass
		Inner_1RB_Right	20.56	/	/	18.88	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	21.06	/	/	19.38	/	/	<=30	Pass
		Edge_1RB_Right	21.06	/	/	19.38	/	/	<=30	Pass
		Outer_Full	20.78	/	/	19.10	/	/	<=30	Pass
		Inner_Full	20.61	/	/	18.93	/	/	<=30	Pass
		Inner_1RB_Left	21.04	/	/	19.36	/	/	<=30	Pass
		Inner_1RB_Right	21.14	/	/	19.46	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3740.01	Edge_1RB_Left	23.57	/	/	21.89	/	/	<=30	Pass
		Edge_1RB_Right	22.92	/	/	21.24	/	/	<=30	Pass
		Outer_Full	23.08	/	/	21.40	/	/	<=30	Pass
		Inner_Full	24.00	/	/	22.32	/	/	<=30	Pass
		Inner_1RB_Left	23.77	/	/	22.09	/	/	<=30	Pass
		Inner_1RB_Right	23.11	/	/	21.43	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.80	/	/	20.12	/	/	<=30	Pass
		Edge_1RB_Right	19.63	/	/	17.95	/	/	<=30	Pass
		Outer_Full	19.64	/	/	17.96	/	/	<=30	Pass

		Inner_Full	20.34	/	/	18.66	/	/	<=30	Pass
		Inner_1RB_Left	21.69	/	/	20.01	/	/	<=30	Pass
		Inner_1RB_Right	19.67	/	/	17.99	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	20.08	/	/	18.40	/	/	<=30	Pass
		Edge_1RB_Right	20.08	/	/	18.40	/	/	<=30	Pass
		Outer_Full	19.37	/	/	17.69	/	/	<=30	Pass
		Inner_Full	19.73	/	/	18.05	/	/	<=30	Pass
		Inner_1RB_Left	20.01	/	/	18.33	/	/	<=30	Pass
		Inner_1RB_Right	20.14	/	/	18.46	/	/	<=30	Pass
		Edge_1RB_Left	23.88	/	/	22.20	/	/	<=30	Pass
CP-OFDM QPSK	3740.01	Edge_1RB_Right	23.26	/	/	21.58	/	/	<=30	Pass
		Outer_Full	24.12	/	/	22.44	/	/	<=30	Pass
		Inner_Full	24.33	/	/	22.65	/	/	<=30	Pass
		Inner_1RB_Left	23.99	/	/	22.31	/	/	<=30	Pass
		Inner_1RB_Right	23.45	/	/	21.77	/	/	<=30	Pass
		Edge_1RB_Left	22.44	/	/	20.76	/	/	<=30	Pass
	3840	Edge_1RB_Right	20.31	/	/	18.63	/	/	<=30	Pass
		Outer_Full	21.21	/	/	19.53	/	/	<=30	Pass
		Inner_Full	20.78	/	/	19.10	/	/	<=30	Pass
		Inner_1RB_Left	22.37	/	/	20.69	/	/	<=30	Pass
		Inner_1RB_Right	20.43	/	/	18.75	/	/	<=30	Pass
		Edge_1RB_Left	20.79	/	/	19.11	/	/	<=30	Pass
	3939.99	Edge_1RB_Right	20.63	/	/	18.95	/	/	<=30	Pass
		Outer_Full	20.74	/	/	19.06	/	/	<=30	Pass
		Inner_Full	20.53	/	/	18.85	/	/	<=30	Pass
		Inner_1RB_Left	20.76	/	/	19.08	/	/	<=30	Pass
		Inner_1RB_Right	20.81	/	/	19.13	/	/	<=30	Pass
		Edge_1RB_Left	23.88	/	/	22.20	/	/	<=30	Pass
CP-OFDM 16 QAM	3740.01	Edge_1RB_Right	23.26	/	/	21.58	/	/	<=30	Pass
		Outer_Full	24.32	/	/	22.64	/	/	<=30	Pass
		Inner_Full	24.34	/	/	22.66	/	/	<=30	Pass
		Inner_1RB_Left	24.11	/	/	22.43	/	/	<=30	Pass
		Inner_1RB_Right	23.48	/	/	21.80	/	/	<=30	Pass
		Edge_1RB_Left	22.36	/	/	20.68	/	/	<=30	Pass
	3840	Edge_1RB_Right	20.32	/	/	18.64	/	/	<=30	Pass
		Outer_Full	21.17	/	/	19.49	/	/	<=30	Pass
		Inner_Full	21.02	/	/	19.34	/	/	<=30	Pass
		Inner_1RB_Left	22.30	/	/	20.62	/	/	<=30	Pass
		Inner_1RB_Right	20.02	/	/	18.34	/	/	<=30	Pass
		Edge_1RB_Left	20.71	/	/	19.03	/	/	<=30	Pass
	3939.99	Edge_1RB_Right	20.60	/	/	18.92	/	/	<=30	Pass
		Outer_Full	20.74	/	/	19.06	/	/	<=30	Pass
		Inner_Full	20.52	/	/	18.84	/	/	<=30	Pass
		Inner_1RB_Left	20.61	/	/	18.93	/	/	<=30	Pass
		Inner_1RB_Right	20.69	/	/	19.01	/	/	<=30	Pass
		Edge_1RB_Left	24.07	/	/	22.39	/	/	<=30	Pass
CP-OFDM 64 QAM	3740.01	Edge_1RB_Right	23.48	/	/	21.80	/	/	<=30	Pass
		Outer_Full	23.85	/	/	22.17	/	/	<=30	Pass
		Inner_Full	24.38	/	/	22.70	/	/	<=30	Pass
		Inner_1RB_Left	24.09	/	/	22.41	/	/	<=30	Pass
		Inner_1RB_Right	23.64	/	/	21.96	/	/	<=30	Pass
		Edge_1RB_Left	22.76	/	/	21.08	/	/	<=30	Pass
	3840	Edge_1RB_Right	20.25	/	/	18.57	/	/	<=30	Pass
		Outer_Full	20.63	/	/	18.95	/	/	<=30	Pass
		Inner_Full	21.00	/	/	19.32	/	/	<=30	Pass
		Inner_1RB_Left	22.65	/	/	20.97	/	/	<=30	Pass
		Inner_1RB_Right	20.57	/	/	18.89	/	/	<=30	Pass
		Edge_1RB_Left	21.13	/	/	19.45	/	/	<=30	Pass
	3939.99	Edge_1RB_Right	20.98	/	/	19.30	/	/	<=30	Pass

		Outer_Full	20.15	/	/	18.47	/	/	<=30	Pass
		Inner_Full	20.49	/	/	18.81	/	/	<=30	Pass
		Inner_1RB_Left	21.07	/	/	19.39	/	/	<=30	Pass
		Inner_1RB_Right	21.11	/	/	19.43	/	/	<=30	Pass
CP-OFDM 256 QAM	3740.01	Edge_1RB_Left	21.93	/	/	20.25	/	/	<=30	Pass
		Edge_1RB_Right	21.08	/	/	19.40	/	/	<=30	Pass
		Outer_Full	21.65	/	/	19.97	/	/	<=30	Pass
		Inner_Full	21.89	/	/	20.21	/	/	<=30	Pass
		Inner_1RB_Left	21.86	/	/	20.18	/	/	<=30	Pass
		Inner_1RB_Right	21.21	/	/	19.53	/	/	<=30	Pass
	3840	Edge_1RB_Left	19.26	/	/	17.58	/	/	<=30	Pass
		Edge_1RB_Right	17.30	/	/	15.62	/	/	<=30	Pass
		Outer_Full	17.51	/	/	15.83	/	/	<=30	Pass
		Inner_Full	17.92	/	/	16.24	/	/	<=30	Pass
		Inner_1RB_Left	19.20	/	/	17.52	/	/	<=30	Pass
		Inner_1RB_Right	17.39	/	/	15.71	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	18.24	/	/	16.56	/	/	<=30	Pass
		Edge_1RB_Right	18.19	/	/	16.51	/	/	<=30	Pass
		Outer_Full	17.52	/	/	15.84	/	/	<=30	Pass
		Inner_Full	17.87	/	/	16.19	/	/	<=30	Pass
		Inner_1RB_Left	18.18	/	/	16.50	/	/	<=30	Pass
		Inner_1RB_Right	18.31	/	/	16.63	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: -1.68dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.18 30k_SISO_90MHz_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 90MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3745.02	Edge_1RB_Left	23.55	/	/	21.87	/	/	<=30	Pass
		Edge_1RB_Right	21.95	/	/	20.27	/	/	<=30	Pass
		Outer_Full	23.76	/	/	22.08	/	/	<=30	Pass
		Inner_Full	23.70	/	/	22.02	/	/	<=30	Pass
		Inner_1RB_Left	23.46	/	/	21.78	/	/	<=30	Pass
		Inner_1RB_Right	22.05	/	/	20.37	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.63	/	/	18.95	/	/	<=30	Pass
		Edge_1RB_Right	19.64	/	/	17.96	/	/	<=30	Pass
		Outer_Full	21.13	/	/	19.45	/	/	<=30	Pass
		Inner_Full	20.99	/	/	19.31	/	/	<=30	Pass
		Inner_1RB_Left	20.56	/	/	18.88	/	/	<=30	Pass
		Inner_1RB_Right	20.01	/	/	18.33	/	/	<=30	Pass
	3934.98	Edge_1RB_Left	20.87	/	/	19.19	/	/	<=30	Pass
		Edge_1RB_Right	20.86	/	/	19.18	/	/	<=30	Pass
		Outer_Full	21.23	/	/	19.55	/	/	<=30	Pass
		Inner_Full	20.90	/	/	19.22	/	/	<=30	Pass
		Inner_1RB_Left	20.81	/	/	19.13	/	/	<=30	Pass
		Inner_1RB_Right	20.95	/	/	19.27	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3745.02	Edge_1RB_Left	23.44	/	/	21.76	/	/	<=30	Pass
		Edge_1RB_Right	21.97	/	/	20.29	/	/	<=30	Pass
		Outer_Full	23.68	/	/	22.00	/	/	<=30	Pass
		Inner_Full	23.70	/	/	22.02	/	/	<=30	Pass
		Inner_1RB_Left	23.48	/	/	21.80	/	/	<=30	Pass
		Inner_1RB_Right	22.01	/	/	20.33	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.50	/	/	18.82	/	/	<=30	Pass
		Edge_1RB_Right	19.70	/	/	18.02	/	/	<=30	Pass
		Outer_Full	21.11	/	/	19.43	/	/	<=30	Pass

		Inner_Full	20.96	/	/	19.28	/	/	<=30	Pass
		Inner_1RB_Left	20.45	/	/	18.77	/	/	<=30	Pass
		Inner_1RB_Right	20.03	/	/	18.35	/	/	<=30	Pass
	3934.98	Edge_1RB_Left	20.72	/	/	19.04	/	/	<=30	Pass
		Edge_1RB_Right	20.69	/	/	19.01	/	/	<=30	Pass
		Outer_Full	21.15	/	/	19.47	/	/	<=30	Pass
		Inner_Full	20.89	/	/	19.21	/	/	<=30	Pass
		Inner_1RB_Left	20.67	/	/	18.99	/	/	<=30	Pass
		Inner_1RB_Right	20.80	/	/	19.12	/	/	<=30	Pass
		Edge_1RB_Left	23.52	/	/	21.84	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3745.02	Edge_1RB_Right	22.19	/	/	20.51	/	/	<=30	Pass
		Outer_Full	23.68	/	/	22.00	/	/	<=30	Pass
		Inner_Full	23.73	/	/	22.05	/	/	<=30	Pass
		Inner_1RB_Left	23.61	/	/	21.93	/	/	<=30	Pass
		Inner_1RB_Right	22.22	/	/	20.54	/	/	<=30	Pass
		Edge_1RB_Left	20.83	/	/	19.15	/	/	<=30	Pass
	3840	Edge_1RB_Right	20.00	/	/	18.32	/	/	<=30	Pass
		Outer_Full	20.70	/	/	19.02	/	/	<=30	Pass
		Inner_Full	20.94	/	/	19.26	/	/	<=30	Pass
		Inner_1RB_Left	20.85	/	/	19.17	/	/	<=30	Pass
		Inner_1RB_Right	19.89	/	/	18.21	/	/	<=30	Pass
		Edge_1RB_Left	21.05	/	/	19.37	/	/	<=30	Pass
	3934.98	Edge_1RB_Right	21.02	/	/	19.34	/	/	<=30	Pass
		Outer_Full	21.13	/	/	19.45	/	/	<=30	Pass
		Inner_Full	20.85	/	/	19.17	/	/	<=30	Pass
		Inner_1RB_Left	21.02	/	/	19.34	/	/	<=30	Pass
		Inner_1RB_Right	21.11	/	/	19.43	/	/	<=30	Pass
		Edge_1RB_Left	22.97	/	/	21.29	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3745.02	Edge_1RB_Right	21.48	/	/	19.80	/	/	<=30	Pass
		Outer_Full	22.65	/	/	20.97	/	/	<=30	Pass
		Inner_Full	23.22	/	/	21.54	/	/	<=30	Pass
		Inner_1RB_Left	22.95	/	/	21.27	/	/	<=30	Pass
		Inner_1RB_Right	21.59	/	/	19.91	/	/	<=30	Pass
		Edge_1RB_Left	19.90	/	/	18.22	/	/	<=30	Pass
	3840	Edge_1RB_Right	18.62	/	/	16.94	/	/	<=30	Pass
		Outer_Full	19.23	/	/	17.55	/	/	<=30	Pass
		Inner_Full	19.71	/	/	18.03	/	/	<=30	Pass
		Inner_1RB_Left	19.76	/	/	18.08	/	/	<=30	Pass
		Inner_1RB_Right	18.80	/	/	17.12	/	/	<=30	Pass
		Edge_1RB_Left	19.92	/	/	18.24	/	/	<=30	Pass
	3934.98	Edge_1RB_Right	19.76	/	/	18.08	/	/	<=30	Pass
		Outer_Full	9.18	/	/	7.50	/	/	<=30	Pass
		Inner_Full	19.85	/	/	18.17	/	/	<=30	Pass
		Inner_1RB_Left	19.75	/	/	18.07	/	/	<=30	Pass
		Inner_1RB_Right	19.87	/	/	18.19	/	/	<=30	Pass
		Edge_1RB_Left	23.51	/	/	21.83	/	/	<=30	Pass
CP-OFDM QPSK	3745.02	Edge_1RB_Right	22.28	/	/	20.60	/	/	<=30	Pass
		Outer_Full	24.10	/	/	22.42	/	/	<=30	Pass
		Inner_Full	24.04	/	/	22.36	/	/	<=30	Pass
		Inner_1RB_Left	23.34	/	/	21.66	/	/	<=30	Pass
		Inner_1RB_Right	22.36	/	/	20.68	/	/	<=30	Pass
		Edge_1RB_Left	20.74	/	/	19.06	/	/	<=30	Pass
	3840	Edge_1RB_Right	19.87	/	/	18.19	/	/	<=30	Pass
		Outer_Full	21.02	/	/	19.34	/	/	<=30	Pass
		Inner_Full	20.87	/	/	19.19	/	/	<=30	Pass
		Inner_1RB_Left	20.67	/	/	18.99	/	/	<=30	Pass
		Inner_1RB_Right	19.50	/	/	17.82	/	/	<=30	Pass
		Edge_1RB_Left	20.75	/	/	19.07	/	/	<=30	Pass
	3934.98	Edge_1RB_Right	20.70	/	/	19.02	/	/	<=30	Pass

Note1: Antenna Gain: Ant1: -1.68dBi:

Note2: EIRP=Conducted Power+Antenna Gain

1.1.19 30k_SISO_100MHz_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 100MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3750	Edge_1RB_Left	22.78	/	/	21.10	/	/	<=30	Pass
		Edge_1RB_Right	21.03	/	/	19.35	/	/	<=30	Pass
		Outer_Full	24.06	/	/	22.38	/	/	<=30	Pass
		Inner_Full	24.14	/	/	22.46	/	/	<=30	Pass
		Inner_1RB_Left	22.77	/	/	21.09	/	/	<=30	Pass
		Inner_1RB_Right	21.18	/	/	19.50	/	/	<=30	Pass
	3840	Edge_1RB_Left	19.39	/	/	17.71	/	/	<=30	Pass
		Edge_1RB_Right	18.14	/	/	16.46	/	/	<=30	Pass
		Outer_Full	20.29	/	/	18.61	/	/	<=30	Pass
		Inner_Full	20.22	/	/	18.54	/	/	<=30	Pass
		Inner_1RB_Left	19.39	/	/	17.71	/	/	<=30	Pass
		Inner_1RB_Right	18.31	/	/	16.63	/	/	<=30	Pass
	3930	Edge_1RB_Left	19.49	/	/	17.81	/	/	<=30	Pass
		Edge_1RB_Right	19.68	/	/	18.00	/	/	<=30	Pass
		Outer_Full	20.77	/	/	19.09	/	/	<=30	Pass
		Inner_Full	20.47	/	/	18.79	/	/	<=30	Pass
		Inner_1RB_Left	19.48	/	/	17.80	/	/	<=30	Pass
		Inner_1RB_Right	19.84	/	/	18.16	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3750	Edge_1RB_Left	22.81	/	/	21.13	/	/	<=30	Pass
		Edge_1RB_Right	20.84	/	/	19.16	/	/	<=30	Pass
		Outer_Full	23.91	/	/	22.23	/	/	<=30	Pass
		Inner_Full	24.10	/	/	22.42	/	/	<=30	Pass
		Inner_1RB_Left	22.85	/	/	21.17	/	/	<=30	Pass
		Inner_1RB_Right	20.94	/	/	19.26	/	/	<=30	Pass
	3840	Edge_1RB_Left	19.67	/	/	17.99	/	/	<=30	Pass
		Edge_1RB_Right	17.83	/	/	16.15	/	/	<=30	Pass
		Outer_Full	20.22	/	/	18.54	/	/	<=30	Pass
		Inner_Full	20.20	/	/	18.52	/	/	<=30	Pass
		Inner_1RB_Left	19.28	/	/	17.60	/	/	<=30	Pass
		Inner_1RB_Right	18.17	/	/	16.49	/	/	<=30	Pass
	3930	Edge_1RB_Left	19.34	/	/	17.66	/	/	<=30	Pass
		Edge_1RB_Right	19.47	/	/	17.79	/	/	<=30	Pass
		Outer_Full	20.69	/	/	19.01	/	/	<=30	Pass
		Inner_Full	20.45	/	/	18.77	/	/	<=30	Pass
		Inner_1RB_Left	19.33	/	/	17.65	/	/	<=30	Pass
		Inner_1RB_Right	20.01	/	/	18.33	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3750	Edge_1RB_Left	22.76	/	/	21.08	/	/	<=30	Pass
		Edge_1RB_Right	21.19	/	/	19.51	/	/	<=30	Pass
		Outer_Full	23.92	/	/	22.24	/	/	<=30	Pass
		Inner_Full	24.08	/	/	22.40	/	/	<=30	Pass
		Inner_1RB_Left	22.85	/	/	21.17	/	/	<=30	Pass
		Inner_1RB_Right	21.33	/	/	19.65	/	/	<=30	Pass
	3840	Edge_1RB_Left	19.34	/	/	17.66	/	/	<=30	Pass
		Edge_1RB_Right	18.43	/	/	16.75	/	/	<=30	Pass
		Outer_Full	20.21	/	/	18.53	/	/	<=30	Pass
		Inner_Full	20.22	/	/	18.54	/	/	<=30	Pass
		Inner_1RB_Left	19.36	/	/	17.68	/	/	<=30	Pass
		Inner_1RB_Right	18.60	/	/	16.92	/	/	<=30	Pass
	3930	Edge_1RB_Left	19.71	/	/	18.03	/	/	<=30	Pass
		Edge_1RB_Right	19.90	/	/	18.22	/	/	<=30	Pass

		Outer_Full	20.64	/	/	18.96	/	/	<=30	Pass
		Inner_Full	20.49	/	/	18.81	/	/	<=30	Pass
		Inner_1RB_Left	19.74	/	/	18.06	/	/	<=30	Pass
		Inner_1RB_Right	20.09	/	/	18.41	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3750	Edge_1RB_Left	22.22	/	/	20.54	/	/	<=30	Pass
		Edge_1RB_Right	20.47	/	/	18.79	/	/	<=30	Pass
		Outer_Full	22.87	/	/	21.19	/	/	<=30	Pass
		Inner_Full	23.58	/	/	21.90	/	/	<=30	Pass
		Inner_1RB_Left	22.26	/	/	20.58	/	/	<=30	Pass
		Inner_1RB_Right	20.63	/	/	18.95	/	/	<=30	Pass
	3840	Edge_1RB_Left	18.68	/	/	17.00	/	/	<=30	Pass
		Edge_1RB_Right	17.42	/	/	15.74	/	/	<=30	Pass
		Outer_Full	18.86	/	/	17.18	/	/	<=30	Pass
		Inner_Full	19.45	/	/	17.77	/	/	<=30	Pass
		Inner_1RB_Left	18.77	/	/	17.09	/	/	<=30	Pass
		Inner_1RB_Right	17.59	/	/	15.91	/	/	<=30	Pass
	3930	Edge_1RB_Left	18.32	/	/	16.64	/	/	<=30	Pass
		Edge_1RB_Right	18.64	/	/	16.96	/	/	<=30	Pass
		Outer_Full	19.02	/	/	17.34	/	/	<=30	Pass
		Inner_Full	19.36	/	/	17.68	/	/	<=30	Pass
		Inner_1RB_Left	18.36	/	/	16.68	/	/	<=30	Pass
		Inner_1RB_Right	18.79	/	/	17.11	/	/	<=30	Pass
CP-OFDM QPSK	3750	Edge_1RB_Left	22.63	/	/	20.95	/	/	<=30	Pass
		Edge_1RB_Right	20.79	/	/	19.11	/	/	<=30	Pass
		Outer_Full	23.82	/	/	22.14	/	/	<=30	Pass
		Inner_Full	23.92	/	/	22.24	/	/	<=30	Pass
		Inner_1RB_Left	22.61	/	/	20.93	/	/	<=30	Pass
		Inner_1RB_Right	20.98	/	/	19.30	/	/	<=30	Pass
	3840	Edge_1RB_Left	19.57	/	/	17.89	/	/	<=30	Pass
		Edge_1RB_Right	18.08	/	/	16.40	/	/	<=30	Pass
		Outer_Full	20.19	/	/	18.51	/	/	<=30	Pass
		Inner_Full	20.16	/	/	18.48	/	/	<=30	Pass
		Inner_1RB_Left	19.58	/	/	17.90	/	/	<=30	Pass
		Inner_1RB_Right	18.30	/	/	16.62	/	/	<=30	Pass
	3930	Edge_1RB_Left	19.43	/	/	17.75	/	/	<=30	Pass
		Edge_1RB_Right	19.60	/	/	17.92	/	/	<=30	Pass
		Outer_Full	20.72	/	/	19.04	/	/	<=30	Pass
		Inner_Full	20.48	/	/	18.80	/	/	<=30	Pass
		Inner_1RB_Left	19.50	/	/	17.82	/	/	<=30	Pass
		Inner_1RB_Right	19.81	/	/	18.13	/	/	<=30	Pass
CP-OFDM 16 QAM	3750	Edge_1RB_Left	22.44	/	/	20.76	/	/	<=30	Pass
		Edge_1RB_Right	20.22	/	/	18.54	/	/	<=30	Pass
		Outer_Full	23.33	/	/	21.65	/	/	<=30	Pass
		Inner_Full	23.40	/	/	21.72	/	/	<=30	Pass
		Inner_1RB_Left	22.49	/	/	20.81	/	/	<=30	Pass
		Inner_1RB_Right	20.40	/	/	18.72	/	/	<=30	Pass
	3840	Edge_1RB_Left	19.59	/	/	17.91	/	/	<=30	Pass
		Edge_1RB_Right	17.97	/	/	16.29	/	/	<=30	Pass
		Outer_Full	20.19	/	/	18.51	/	/	<=30	Pass
		Inner_Full	20.14	/	/	18.46	/	/	<=30	Pass
		Inner_1RB_Left	19.59	/	/	17.91	/	/	<=30	Pass
		Inner_1RB_Right	18.23	/	/	16.55	/	/	<=30	Pass
	3930	Edge_1RB_Left	19.38	/	/	17.70	/	/	<=30	Pass
		Edge_1RB_Right	19.55	/	/	17.87	/	/	<=30	Pass
		Outer_Full	20.71	/	/	19.03	/	/	<=30	Pass
		Inner_Full	20.49	/	/	18.81	/	/	<=30	Pass
		Inner_1RB_Left	19.43	/	/	17.75	/	/	<=30	Pass
		Inner_1RB_Right	19.76	/	/	18.08	/	/	<=30	Pass
CP-OFDM 64 QAM	3750	Edge_1RB_Left	22.58	/	/	20.90	/	/	<=30	Pass

		Edge_1RB_Right	20.61	/	/	18.93	/	/	<=30	Pass		
		Outer_Full	22.75	/	/	21.07	/	/	<=30	Pass		
		Inner_Full	23.39	/	/	21.71	/	/	<=30	Pass		
		Inner_1RB_Left	22.61	/	/	20.93	/	/	<=30	Pass		
		Inner_1RB_Right	20.66	/	/	18.98	/	/	<=30	Pass		
	3840	Edge_1RB_Left	19.50	/	/	17.82	/	/	<=30	Pass		
		Edge_1RB_Right	18.50	/	/	16.82	/	/	<=30	Pass		
		Outer_Full	19.61	/	/	17.93	/	/	<=30	Pass		
		Inner_Full	20.17	/	/	18.49	/	/	<=30	Pass		
		Inner_1RB_Left	19.49	/	/	17.81	/	/	<=30	Pass		
		Inner_1RB_Right	18.69	/	/	17.01	/	/	<=30	Pass		
		3930	Edge_1RB_Left	19.85	/	/	18.17	/	/	<=30	Pass	
			Edge_1RB_Right	20.03	/	/	18.35	/	/	<=30	Pass	
			Outer_Full	20.20	/	/	18.52	/	/	<=30	Pass	
			Inner_Full	20.54	/	/	18.86	/	/	<=30	Pass	
	Inner_1RB_Left		19.90	/	/	18.22	/	/	<=30	Pass		
	CP-OFDM 256 QAM		Inner_1RB_Right	20.21	/	/	18.53	/	/	<=30	Pass	
			3750	Edge_1RB_Left	20.18	/	/	18.50	/	/	<=30	Pass
				Edge_1RB_Right	18.08	/	/	16.40	/	/	<=30	Pass
				Outer_Full	20.34	/	/	18.66	/	/	<=30	Pass
				Inner_Full	20.98	/	/	19.30	/	/	<=30	Pass
Inner_1RB_Left		20.29		/	/	18.61	/	/	<=30	Pass		
		Inner_1RB_Right	18.28	/	/	16.60	/	/	<=30	Pass		
		3840	Edge_1RB_Left	16.87	/	/	15.19	/	/	<=30	Pass	
			Edge_1RB_Right	15.60	/	/	13.92	/	/	<=30	Pass	
			Outer_Full	16.90	/	/	15.22	/	/	<=30	Pass	
			Inner_Full	17.45	/	/	15.77	/	/	<=30	Pass	
Inner_1RB_Left			16.89	/	/	15.21	/	/	<=30	Pass		
		Inner_1RB_Right	15.86	/	/	14.18	/	/	<=30	Pass		
		3930	Edge_1RB_Left	16.55	/	/	14.87	/	/	<=30	Pass	
			Edge_1RB_Right	16.86	/	/	15.18	/	/	<=30	Pass	
			Outer_Full	17.14	/	/	15.46	/	/	<=30	Pass	
			Inner_Full	17.52	/	/	15.84	/	/	<=30	Pass	
Inner_1RB_Left			16.60	/	/	14.92	/	/	<=30	Pass		
		Inner_1RB_Right	17.06	/	/	15.38	/	/	<=30	Pass		
Note1: Antenna Gain: Ant1: -1.68dBi; Note2: EIRP=Conducted Power+Antenna Gain												

2. Frequency Stability

2.1 Test Result

2.1.1 15k_SISO_10MHz

5G NR n77a SCS=15kHz SISO 10MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	3.00	0.0008	>=-2.5 & <=2.5	Pass
				HV	8.40	0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	8.10	0.0021	>=-2.5 & <=2.5	Pass
				NV	8.00	0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	9.20	0.0024	>=-2.5 & <=2.5	Pass
				NV	4.40	0.0011	>=-2.5 & <=2.5	Pass
			10	NV	7.60	0.0020	>=-2.5 & <=2.5	Pass

			20	NV	5.90	0.0015	≥ -2.5 & ≤ 2.5	Pass
			30	NV	7.40	0.0019	≥ -2.5 & ≤ 2.5	Pass
			40	NV	11.10	0.0029	≥ -2.5 & ≤ 2.5	Pass
			50	NV	6.30	0.0016	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	4.30	0.0011	≥ -2.5 & ≤ 2.5	Pass
				HV	9.90	0.0026	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	10.00	0.0026	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	3.50	0.0009	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	5.10	0.0013	≥ -2.5 & ≤ 2.5	Pass
			0	NV	5.00	0.0013	≥ -2.5 & ≤ 2.5	Pass
			10	NV	6.80	0.0018	≥ -2.5 & ≤ 2.5	Pass
			20	NV	5.40	0.0014	≥ -2.5 & ≤ 2.5	Pass
			30	NV	8.80	0.0023	≥ -2.5 & ≤ 2.5	Pass
			40	NV	4.10	0.0011	≥ -2.5 & ≤ 2.5	Pass
			50	NV	6.80	0.0018	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	8.50	0.0022	≥ -2.5 & ≤ 2.5	Pass
				HV	4.60	0.0012	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	7.90	0.0021	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	5.20	0.0014	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	3.50	0.0009	≥ -2.5 & ≤ 2.5	Pass
			0	NV	8.80	0.0023	≥ -2.5 & ≤ 2.5	Pass
			10	NV	6.20	0.0016	≥ -2.5 & ≤ 2.5	Pass
			20	NV	11.30	0.0029	≥ -2.5 & ≤ 2.5	Pass
			30	NV	4.40	0.0011	≥ -2.5 & ≤ 2.5	Pass
			40	NV	3.90	0.0010	≥ -2.5 & ≤ 2.5	Pass
			50	NV	6.90	0.0018	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	8.30	0.0022	≥ -2.5 & ≤ 2.5	Pass
				HV	6.60	0.0017	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	2.10	0.0005	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-7.90	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.60	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			0	NV	2.20	0.0006	≥ -2.5 & ≤ 2.5	Pass
			10	NV	3.10	0.0008	≥ -2.5 & ≤ 2.5	Pass
			20	NV	3.30	0.0009	≥ -2.5 & ≤ 2.5	Pass
			30	NV	10.00	0.0026	≥ -2.5 & ≤ 2.5	Pass
			40	NV	7.20	0.0019	≥ -2.5 & ≤ 2.5	Pass
			50	NV	6.90	0.0018	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	3840	Outer_Full	20	LV	-0.70	-0.0002	≥ -2.5 & ≤ 2.5	Pass
				HV	6.80	0.0018	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	7.50	0.0020	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	4.10	0.0011	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	5.50	0.0014	≥ -2.5 & ≤ 2.5	Pass
			0	NV	6.20	0.0016	≥ -2.5 & ≤ 2.5	Pass
			10	NV	3.30	0.0009	≥ -2.5 & ≤ 2.5	Pass
			20	NV	3.60	0.0009	≥ -2.5 & ≤ 2.5	Pass
			30	NV	3.00	0.0008	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-1.60	-0.0004	≥ -2.5 & ≤ 2.5	Pass
			50	NV	3.30	0.0009	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	7.20	0.0019	≥ -2.5 & ≤ 2.5	Pass
				HV	2.40	0.0006	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	4.20	0.0011	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	4.70	0.0012	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	2.70	0.0007	≥ -2.5 & ≤ 2.5	Pass
			0	NV	2.00	0.0005	≥ -2.5 & ≤ 2.5	Pass
			10	NV	3.00	0.0008	≥ -2.5 & ≤ 2.5	Pass
			20	NV	1.30	0.0003	≥ -2.5 & ≤ 2.5	Pass
			30	NV	5.10	0.0013	≥ -2.5 & ≤ 2.5	Pass
			40	NV	3.90	0.0010	≥ -2.5 & ≤ 2.5	Pass
			50	NV	7.30	0.0019	≥ -2.5 & ≤ 2.5	Pass

CP-OFDM 64 QAM	3840	Outer_Full	20	LV	2.30	0.0006	>=-2.5 & <=2.5	Pass
				HV	6.70	0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	5.90	0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	5.60	0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	-2.70	-0.0007	>=-2.5 & <=2.5	Pass
			0	NV	3.70	0.0010	>=-2.5 & <=2.5	Pass
			10	NV	1.40	0.0004	>=-2.5 & <=2.5	Pass
			20	NV	4.40	0.0011	>=-2.5 & <=2.5	Pass
			30	NV	1.40	0.0004	>=-2.5 & <=2.5	Pass
			40	NV	7.10	0.0018	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	LV	-3.00	-0.0008	>=-2.5 & <=2.5	Pass
				HV	4.20	0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	2.70	0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	-2.20	-0.0006	>=-2.5 & <=2.5	Pass
			-10	NV	5.20	0.0014	>=-2.5 & <=2.5	Pass
			0	NV	2.10	0.0005	>=-2.5 & <=2.5	Pass
			10	NV	-2.00	-0.0005	>=-2.5 & <=2.5	Pass
			20	NV	-2.70	-0.0007	>=-2.5 & <=2.5	Pass
			30	NV	-3.90	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	2.00	0.0005	>=-2.5 & <=2.5	Pass
			50	NV	-3.30	-0.0009	>=-2.5 & <=2.5	Pass

2.1.2 15k_SISO_15MHz

5G NR n77a SCS=15kHz SISO 15MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	-2.20	-0.0006	>=-2.5 & <=2.5	Pass
				HV	11.10	0.0029	>=-2.5 & <=2.5	Pass
			-30	NV	12.60	0.0033	>=-2.5 & <=2.5	Pass
			-20	NV	8.80	0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	11.20	0.0029	>=-2.5 & <=2.5	Pass
			0	NV	8.50	0.0022	>=-2.5 & <=2.5	Pass
			10	NV	8.00	0.0021	>=-2.5 & <=2.5	Pass
			20	NV	4.50	0.0012	>=-2.5 & <=2.5	Pass
			30	NV	8.40	0.0022	>=-2.5 & <=2.5	Pass
			40	NV	12.90	0.0034	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	10.90	0.0028	>=-2.5 & <=2.5	Pass
				HV	10.00	0.0026	>=-2.5 & <=2.5	Pass
			-30	NV	6.70	0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	7.40	0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	6.80	0.0018	>=-2.5 & <=2.5	Pass
			0	NV	10.00	0.0026	>=-2.5 & <=2.5	Pass
			10	NV	8.70	0.0023	>=-2.5 & <=2.5	Pass
			20	NV	6.00	0.0016	>=-2.5 & <=2.5	Pass
			30	NV	7.20	0.0019	>=-2.5 & <=2.5	Pass
			40	NV	5.30	0.0014	>=-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	7.50	0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	5.50	0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	9.00	0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	6.80	0.0018	>=-2.5 & <=2.5	Pass
			0	NV	8.80	0.0023	>=-2.5 & <=2.5	Pass
			10	NV	2.80	0.0007	>=-2.5 & <=2.5	Pass

			20	NV	6.80	0.0018	≥ -2.5 & ≤ 2.5	Pass
			30	NV	10.60	0.0028	≥ -2.5 & ≤ 2.5	Pass
			40	NV	8.10	0.0021	≥ -2.5 & ≤ 2.5	Pass
			50	NV	4.80	0.0013	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	5.70	0.0015	≥ -2.5 & ≤ 2.5	Pass
				HV	5.30	0.0014	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	7.30	0.0019	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	/	0.0016	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-19.60	-0.0051	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-9.20	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			10	NV	2.90	0.0008	≥ -2.5 & ≤ 2.5	Pass
			20	NV	10.90	0.0028	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-8.50	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			40	NV	1.20	0.0003	≥ -2.5 & ≤ 2.5	Pass
			50	NV	7.90	0.0021	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	3840	Outer_Full	20	LV	1.40	0.0004	≥ -2.5 & ≤ 2.5	Pass
				HV	4.40	0.0011	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	4.90	0.0013	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	9.10	0.0024	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	6.60	0.0017	≥ -2.5 & ≤ 2.5	Pass
			0	NV	9.30	0.0024	≥ -2.5 & ≤ 2.5	Pass
			10	NV	4.80	0.0013	≥ -2.5 & ≤ 2.5	Pass
			20	NV	3.50	0.0009	≥ -2.5 & ≤ 2.5	Pass
			30	NV	8.00	0.0021	≥ -2.5 & ≤ 2.5	Pass
			40	NV	8.60	0.0022	≥ -2.5 & ≤ 2.5	Pass
			50	NV	7.50	0.0020	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	8.50	0.0022	≥ -2.5 & ≤ 2.5	Pass
				HV	9.00	0.0023	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	4.80	0.0013	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	4.60	0.0012	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	8.40	0.0022	≥ -2.5 & ≤ 2.5	Pass
			0	NV	5.10	0.0013	≥ -2.5 & ≤ 2.5	Pass
			10	NV	5.00	0.0013	≥ -2.5 & ≤ 2.5	Pass
			20	NV	7.20	0.0019	≥ -2.5 & ≤ 2.5	Pass
			30	NV	3.30	0.0009	≥ -2.5 & ≤ 2.5	Pass
			40	NV	5.70	0.0015	≥ -2.5 & ≤ 2.5	Pass
			50	NV	7.10	0.0018	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	1.70	0.0004	≥ -2.5 & ≤ 2.5	Pass
				HV	2.00	0.0005	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	5.60	0.0015	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	3.00	0.0008	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	4.70	0.0012	≥ -2.5 & ≤ 2.5	Pass
			0	NV	3.90	0.0010	≥ -2.5 & ≤ 2.5	Pass
			10	NV	1.60	0.0004	≥ -2.5 & ≤ 2.5	Pass
			20	NV	1.60	0.0004	≥ -2.5 & ≤ 2.5	Pass
			30	NV	2.50	0.0007	≥ -2.5 & ≤ 2.5	Pass
			40	NV	5.30	0.0014	≥ -2.5 & ≤ 2.5	Pass
			50	NV	2.00	0.0005	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	LV	-3.20	-0.0008	≥ -2.5 & ≤ 2.5	Pass
				HV	-1.20	-0.0003	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-1.10	-0.0003	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-1.60	-0.0004	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	1.40	0.0004	≥ -2.5 & ≤ 2.5	Pass
			0	NV	4.10	0.0011	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-2.20	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-6.10	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			30	NV	4.00	0.0010	≥ -2.5 & ≤ 2.5	Pass
			40	NV	4.10	0.0011	≥ -2.5 & ≤ 2.5	Pass
			50	NV	1.70	0.0004	≥ -2.5 & ≤ 2.5	Pass

2.1.3 15k_SISO_20MHz

5G NR n77a SCS=15kHz SISO 20MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	4.70	0.0012	>=-2.5 & <=2.5	Pass
				HV	5.10	0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	12.70	0.0033	>=-2.5 & <=2.5	Pass
			-20	NV	6.70	0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	8.10	0.0021	>=-2.5 & <=2.5	Pass
			0	NV	7.90	0.0021	>=-2.5 & <=2.5	Pass
			10	NV	9.90	0.0026	>=-2.5 & <=2.5	Pass
			20	NV	7.10	0.0018	>=-2.5 & <=2.5	Pass
			30	NV	5.30	0.0014	>=-2.5 & <=2.5	Pass
			40	NV	10.00	0.0026	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	11.40	0.0030	>=-2.5 & <=2.5	Pass
				HV	4.20	0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	4.30	0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	5.10	0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	6.80	0.0018	>=-2.5 & <=2.5	Pass
			0	NV	6.80	0.0018	>=-2.5 & <=2.5	Pass
			10	NV	4.90	0.0013	>=-2.5 & <=2.5	Pass
			20	NV	-0.70	-0.0002	>=-2.5 & <=2.5	Pass
			30	NV	4.20	0.0011	>=-2.5 & <=2.5	Pass
			40	NV	6.30	0.0016	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	9.90	0.0026	>=-2.5 & <=2.5	Pass
				HV	6.70	0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	4.20	0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	4.80	0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	5.80	0.0015	>=-2.5 & <=2.5	Pass
			0	NV	5.50	0.0014	>=-2.5 & <=2.5	Pass
			10	NV	8.80	0.0023	>=-2.5 & <=2.5	Pass
			20	NV	4.50	0.0012	>=-2.5 & <=2.5	Pass
			30	NV	5.10	0.0013	>=-2.5 & <=2.5	Pass
			40	NV	4.70	0.0012	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	2.60	0.0007	>=-2.5 & <=2.5	Pass
				HV	4.60	0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	2.20	0.0006	>=-2.5 & <=2.5	Pass
			-20	NV	/	0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-15.40	-0.0040	>=-2.5 & <=2.5	Pass
			0	NV	/	0.0012	>=-2.5 & <=2.5	Pass
			10	NV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
			20	NV	-6.00	-0.0016	>=-2.5 & <=2.5	Pass
			30	NV	2.90	0.0008	>=-2.5 & <=2.5	Pass
			40	NV	10.10	0.0026	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3840	Outer_Full	20	LV	3.60	0.0009	>=-2.5 & <=2.5	Pass
				HV	8.90	0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	7.60	0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	8.20	0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	7.40	0.0019	>=-2.5 & <=2.5	Pass
			0	NV	9.10	0.0024	>=-2.5 & <=2.5	Pass
			10	NV	8.80	0.0023	>=-2.5 & <=2.5	Pass

			20	NV	4.80	0.0013	≥ -2.5 & ≤ 2.5	Pass
			30	NV	2.50	0.0007	≥ -2.5 & ≤ 2.5	Pass
			40	NV	4.10	0.0011	≥ -2.5 & ≤ 2.5	Pass
			50	NV	3.40	0.0009	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	7.80	0.0020	≥ -2.5 & ≤ 2.5	Pass
				HV	5.70	0.0015	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	2.40	0.0006	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	5.50	0.0014	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	5.40	0.0014	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-1.90	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			10	NV	3.20	0.0008	≥ -2.5 & ≤ 2.5	Pass
			20	NV	8.90	0.0023	≥ -2.5 & ≤ 2.5	Pass
			30	NV	7.60	0.0020	≥ -2.5 & ≤ 2.5	Pass
			40	NV	7.10	0.0018	≥ -2.5 & ≤ 2.5	Pass
			50	NV	7.90	0.0021	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	9.10	0.0024	≥ -2.5 & ≤ 2.5	Pass
				HV	7.10	0.0018	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.10	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	4.90	0.0013	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	5.20	0.0014	≥ -2.5 & ≤ 2.5	Pass
			0	NV	4.60	0.0012	≥ -2.5 & ≤ 2.5	Pass
			10	NV	6.80	0.0018	≥ -2.5 & ≤ 2.5	Pass
			20	NV	3.00	0.0008	≥ -2.5 & ≤ 2.5	Pass
			30	NV	4.90	0.0013	≥ -2.5 & ≤ 2.5	Pass
			40	NV	6.20	0.0016	≥ -2.5 & ≤ 2.5	Pass
			50	NV	2.40	0.0006	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	LV	6.10	0.0016	≥ -2.5 & ≤ 2.5	Pass
				HV	4.00	0.0010	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	1.60	0.0004	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-6.90	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-4.20	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			0	NV	1.70	0.0004	≥ -2.5 & ≤ 2.5	Pass
			10	NV	1.60	0.0004	≥ -2.5 & ≤ 2.5	Pass
			20	NV	4.10	0.0011	≥ -2.5 & ≤ 2.5	Pass
			30	NV	1.60	0.0004	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-2.20	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			50	NV	1.00	0.0003	≥ -2.5 & ≤ 2.5	Pass

2.1.4 15k_SISO_25MHz

5G NR n77a SCS=15kHz SISO 25MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	-3.80	-0.0010	≥ -2.5 & ≤ 2.5	Pass
				HV	5.60	0.0015	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	3.30	0.0009	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	5.10	0.0013	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	6.60	0.0017	≥ -2.5 & ≤ 2.5	Pass
			0	NV	4.20	0.0011	≥ -2.5 & ≤ 2.5	Pass
			10	NV	4.70	0.0012	≥ -2.5 & ≤ 2.5	Pass
			20	NV	4.60	0.0012	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-1.70	-0.0004	≥ -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	6.00	0.0016	≥ -2.5 & ≤ 2.5	Pass
				HV	5.50	0.0014	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	4.70	0.0012	≥ -2.5 & ≤ 2.5	Pass

			-20	NV	5.50	0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	4.60	0.0012	>=-2.5 & <=2.5	Pass
			0	NV	7.70	0.0020	>=-2.5 & <=2.5	Pass
			10	NV	3.30	0.0009	>=-2.5 & <=2.5	Pass
			20	NV	3.90	0.0010	>=-2.5 & <=2.5	Pass
			30	NV	4.00	0.0010	>=-2.5 & <=2.5	Pass
			40	NV	4.90	0.0013	>=-2.5 & <=2.5	Pass
			50	NV	2.80	0.0007	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	3.70	0.0010	>=-2.5 & <=2.5	Pass
				HV	8.90	0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	11.60	0.0030	>=-2.5 & <=2.5	Pass
			-20	NV	6.40	0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	3.70	0.0010	>=-2.5 & <=2.5	Pass
			0	NV	-2.10	-0.0005	>=-2.5 & <=2.5	Pass
			10	NV	4.10	0.0011	>=-2.5 & <=2.5	Pass
			20	NV	6.40	0.0017	>=-2.5 & <=2.5	Pass
			30	NV	11.90	0.0031	>=-2.5 & <=2.5	Pass
			40	NV	4.20	0.0011	>=-2.5 & <=2.5	Pass
50	NV	11.70	0.0030	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	1.80	0.0005	>=-2.5 & <=2.5	Pass
				HV	4.70	0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	-2.20	-0.0006	>=-2.5 & <=2.5	Pass
			-20	NV	-13.40	-0.0035	>=-2.5 & <=2.5	Pass
			-10	NV	-10.70	-0.0028	>=-2.5 & <=2.5	Pass
			0	NV	-6.20	-0.0016	>=-2.5 & <=2.5	Pass
			10	NV	6.50	0.0017	>=-2.5 & <=2.5	Pass
			20	NV	7.00	0.0018	>=-2.5 & <=2.5	Pass
			30	NV	4.90	0.0013	>=-2.5 & <=2.5	Pass
			40	NV	9.30	0.0024	>=-2.5 & <=2.5	Pass
50	NV	6.40	0.0017	>=-2.5 & <=2.5	Pass			
CP-OFDM QPSK	3840	Outer_Full	20	LV	5.90	0.0015	>=-2.5 & <=2.5	Pass
				HV	5.10	0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	4.10	0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	6.80	0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	8.40	0.0022	>=-2.5 & <=2.5	Pass
			0	NV	4.30	0.0011	>=-2.5 & <=2.5	Pass
			10	NV	7.80	0.0020	>=-2.5 & <=2.5	Pass
			20	NV	1.00	0.0003	>=-2.5 & <=2.5	Pass
			30	NV	4.40	0.0011	>=-2.5 & <=2.5	Pass
			40	NV	7.10	0.0018	>=-2.5 & <=2.5	Pass
50	NV	5.10	0.0013	>=-2.5 & <=2.5	Pass			
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	2.60	0.0007	>=-2.5 & <=2.5	Pass
				HV	5.20	0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	2.50	0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	4.10	0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	3.50	0.0009	>=-2.5 & <=2.5	Pass
			0	NV	3.00	0.0008	>=-2.5 & <=2.5	Pass
			10	NV	4.50	0.0012	>=-2.5 & <=2.5	Pass
			20	NV	2.70	0.0007	>=-2.5 & <=2.5	Pass
			30	NV	4.50	0.0012	>=-2.5 & <=2.5	Pass
			40	NV	3.80	0.0010	>=-2.5 & <=2.5	Pass
50	NV	4.10	0.0011	>=-2.5 & <=2.5	Pass			
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	4.30	0.0011	>=-2.5 & <=2.5	Pass
				HV	2.70	0.0007	>=-2.5 & <=2.5	Pass
			-30	NV	2.40	0.0006	>=-2.5 & <=2.5	Pass
			-20	NV	5.40	0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	6.20	0.0016	>=-2.5 & <=2.5	Pass
			0	NV	6.80	0.0018	>=-2.5 & <=2.5	Pass
10	NV	6.40	0.0017	>=-2.5 & <=2.5	Pass			

			20	NV	4.20	0.0011	≥ -2.5 & ≤ 2.5	Pass
			30	NV	6.20	0.0016	≥ -2.5 & ≤ 2.5	Pass
			40	NV	6.80	0.0018	≥ -2.5 & ≤ 2.5	Pass
			50	NV	4.60	0.0012	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	LV	1.80	0.0005	≥ -2.5 & ≤ 2.5	Pass
				HV	-1.20	-0.0003	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-4.90	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-3.20	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-4.10	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			0	NV	1.70	0.0004	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-1.10	-0.0003	≥ -2.5 & ≤ 2.5	Pass
			20	NV	2.10	0.0005	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.10	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-2.90	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			50	NV	2.60	0.0007	≥ -2.5 & ≤ 2.5	Pass

2.1.5 15k_SISO_30MHz

5G NR n77a SCS=15kHz SISO 30MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	4.70	0.0012	≥ -2.5 & ≤ 2.5	Pass
				HV	7.60	0.0020	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	12.60	0.0033	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	12.00	0.0031	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	10.10	0.0026	≥ -2.5 & ≤ 2.5	Pass
			0	NV	9.00	0.0023	≥ -2.5 & ≤ 2.5	Pass
			10	NV	8.10	0.0021	≥ -2.5 & ≤ 2.5	Pass
			20	NV	14.10	0.0037	≥ -2.5 & ≤ 2.5	Pass
			30	NV	8.90	0.0023	≥ -2.5 & ≤ 2.5	Pass
			40	NV	9.30	0.0024	≥ -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	7.20	0.0019	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	11.40	0.0030	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	8.20	0.0021	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	9.50	0.0025	≥ -2.5 & ≤ 2.5	Pass
			0	NV	9.90	0.0026	≥ -2.5 & ≤ 2.5	Pass
			10	NV	10.10	0.0026	≥ -2.5 & ≤ 2.5	Pass
			20	NV	6.40	0.0017	≥ -2.5 & ≤ 2.5	Pass
			30	NV	6.00	0.0016	≥ -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	7.10	0.0018	≥ -2.5 & ≤ 2.5	Pass
				HV	10.60	0.0028	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	8.00	0.0021	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	8.90	0.0023	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	8.90	0.0023	≥ -2.5 & ≤ 2.5	Pass
			0	NV	8.10	0.0021	≥ -2.5 & ≤ 2.5	Pass
			10	NV	8.40	0.0022	≥ -2.5 & ≤ 2.5	Pass
			20	NV	11.00	0.0029	≥ -2.5 & ≤ 2.5	Pass
			30	NV	8.30	0.0022	≥ -2.5 & ≤ 2.5	Pass
			40	NV	3.40	0.0009	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	5.50	0.0014	≥ -2.5 & ≤ 2.5	Pass
				HV	4.40	0.0011	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	6.90	0.0018	≥ -2.5 & ≤ 2.5	Pass

			-20	NV	/	0.0023	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.50	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.70	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			10	NV	9.10	0.0024	≥ -2.5 & ≤ 2.5	Pass
			20	NV	6.70	0.0017	≥ -2.5 & ≤ 2.5	Pass
			30	NV	8.20	0.0021	≥ -2.5 & ≤ 2.5	Pass
			40	NV	11.20	0.0029	≥ -2.5 & ≤ 2.5	Pass
			50	NV	8.80	0.0023	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	3840	Outer_Full	20	LV	8.20	0.0021	≥ -2.5 & ≤ 2.5	Pass
				HV	7.80	0.0020	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	10.40	0.0027	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	8.40	0.0022	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	9.40	0.0024	≥ -2.5 & ≤ 2.5	Pass
			0	NV	8.50	0.0022	≥ -2.5 & ≤ 2.5	Pass
			10	NV	9.90	0.0026	≥ -2.5 & ≤ 2.5	Pass
			20	NV	10.20	0.0027	≥ -2.5 & ≤ 2.5	Pass
			30	NV	7.40	0.0019	≥ -2.5 & ≤ 2.5	Pass
			40	NV	9.60	0.0025	≥ -2.5 & ≤ 2.5	Pass
			50	NV	7.00	0.0018	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	5.60	0.0015	≥ -2.5 & ≤ 2.5	Pass
				HV	9.40	0.0024	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	8.80	0.0023	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	9.60	0.0025	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	7.70	0.0020	≥ -2.5 & ≤ 2.5	Pass
			0	NV	5.70	0.0015	≥ -2.5 & ≤ 2.5	Pass
			10	NV	5.60	0.0015	≥ -2.5 & ≤ 2.5	Pass
			20	NV	5.90	0.0015	≥ -2.5 & ≤ 2.5	Pass
			30	NV	5.80	0.0015	≥ -2.5 & ≤ 2.5	Pass
			40	NV	2.00	0.0005	≥ -2.5 & ≤ 2.5	Pass
			50	NV	6.20	0.0016	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	7.30	0.0019	≥ -2.5 & ≤ 2.5	Pass
				HV	8.20	0.0021	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	8.30	0.0022	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	6.30	0.0016	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	9.70	0.0025	≥ -2.5 & ≤ 2.5	Pass
			0	NV	5.90	0.0015	≥ -2.5 & ≤ 2.5	Pass
			10	NV	7.00	0.0018	≥ -2.5 & ≤ 2.5	Pass
			20	NV	8.60	0.0022	≥ -2.5 & ≤ 2.5	Pass
			30	NV	5.90	0.0015	≥ -2.5 & ≤ 2.5	Pass
			40	NV	8.10	0.0021	≥ -2.5 & ≤ 2.5	Pass
			50	NV	8.00	0.0021	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	LV	7.10	0.0018	≥ -2.5 & ≤ 2.5	Pass
				HV	2.30	0.0006	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	3.50	0.0009	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	1.50	0.0004	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-2.00	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-2.90	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			10	NV	2.30	0.0006	≥ -2.5 & ≤ 2.5	Pass
			20	NV	4.60	0.0012	≥ -2.5 & ≤ 2.5	Pass
			30	NV	3.80	0.0010	≥ -2.5 & ≤ 2.5	Pass
			40	NV	4.00	0.0010	≥ -2.5 & ≤ 2.5	Pass
			50	NV	5.50	0.0014	≥ -2.5 & ≤ 2.5	Pass

2.1.6 15k_SISO_40MHz

5G NR n77a SCS=15kHz SISO 40MHz							
Modulation	Frequency	RB	Temp.	Volt.	Freq. Error	Freq. vs. rated (ppm)	Verdict

	(MHz)	Allocation	(°C)		(Hz)	Result	Limit	
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	2.80	0.0007	>=-2.5 & <=2.5	Pass
				HV	8.10	0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	10.20	0.0027	>=-2.5 & <=2.5	Pass
			-20	NV	5.90	0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	10.30	0.0027	>=-2.5 & <=2.5	Pass
			0	NV	8.70	0.0023	>=-2.5 & <=2.5	Pass
			10	NV	9.30	0.0024	>=-2.5 & <=2.5	Pass
			20	NV	5.80	0.0015	>=-2.5 & <=2.5	Pass
			30	NV	10.20	0.0027	>=-2.5 & <=2.5	Pass
			40	NV	9.80	0.0026	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	7.70	0.0020	>=-2.5 & <=2.5	Pass
				HV	7.70	0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	5.10	0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	8.10	0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	6.10	0.0016	>=-2.5 & <=2.5	Pass
			0	NV	4.20	0.0011	>=-2.5 & <=2.5	Pass
			10	NV	8.20	0.0021	>=-2.5 & <=2.5	Pass
			20	NV	7.90	0.0021	>=-2.5 & <=2.5	Pass
			30	NV	4.70	0.0012	>=-2.5 & <=2.5	Pass
			40	NV	10.90	0.0028	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	10.30	0.0027	>=-2.5 & <=2.5	Pass
				HV	4.10	0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	6.10	0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	6.50	0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	5.20	0.0014	>=-2.5 & <=2.5	Pass
			0	NV	7.00	0.0018	>=-2.5 & <=2.5	Pass
			10	NV	7.70	0.0020	>=-2.5 & <=2.5	Pass
			20	NV	5.90	0.0015	>=-2.5 & <=2.5	Pass
			30	NV	4.90	0.0013	>=-2.5 & <=2.5	Pass
			40	NV	6.20	0.0016	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	8.10	0.0021	>=-2.5 & <=2.5	Pass
				HV	3.00	0.0008	>=-2.5 & <=2.5	Pass
			-30	NV	/	0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	/	0.0008	>=-2.5 & <=2.5	Pass
			-10	NV	-4.00	-0.0010	>=-2.5 & <=2.5	Pass
			0	NV	/	0.0027	>=-2.5 & <=2.5	Pass
			10	NV	-0.90	-0.0002	>=-2.5 & <=2.5	Pass
			20	NV	2.10	0.0005	>=-2.5 & <=2.5	Pass
			30	NV	5.40	0.0014	>=-2.5 & <=2.5	Pass
			40	NV	10.10	0.0026	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3840	Outer_Full	20	LV	8.60	0.0022	>=-2.5 & <=2.5	Pass
				HV	8.50	0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	10.80	0.0028	>=-2.5 & <=2.5	Pass
			-20	NV	9.40	0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	10.50	0.0027	>=-2.5 & <=2.5	Pass
			0	NV	8.50	0.0022	>=-2.5 & <=2.5	Pass
			10	NV	8.50	0.0022	>=-2.5 & <=2.5	Pass
			20	NV	7.00	0.0018	>=-2.5 & <=2.5	Pass
			30	NV	8.50	0.0022	>=-2.5 & <=2.5	Pass
			40	NV	6.70	0.0017	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	6.60	0.0017	>=-2.5 & <=2.5	Pass
				HV	3.90	0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	5.40	0.0014	>=-2.5 & <=2.5	Pass

			-20	NV	6.40	0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	3.90	0.0010	>=-2.5 & <=2.5	Pass
			0	NV	2.90	0.0008	>=-2.5 & <=2.5	Pass
			10	NV	3.20	0.0008	>=-2.5 & <=2.5	Pass
			20	NV	6.00	0.0016	>=-2.5 & <=2.5	Pass
			30	NV	2.40	0.0006	>=-2.5 & <=2.5	Pass
			40	NV	5.70	0.0015	>=-2.5 & <=2.5	Pass
			50	NV	7.70	0.0020	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	6.90	0.0018	>=-2.5 & <=2.5	Pass
				HV	6.80	0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	8.50	0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	1.60	0.0004	>=-2.5 & <=2.5	Pass
			-10	NV	4.80	0.0013	>=-2.5 & <=2.5	Pass
			0	NV	5.60	0.0015	>=-2.5 & <=2.5	Pass
			10	NV	6.00	0.0016	>=-2.5 & <=2.5	Pass
			20	NV	6.80	0.0018	>=-2.5 & <=2.5	Pass
			30	NV	6.80	0.0018	>=-2.5 & <=2.5	Pass
			40	NV	9.30	0.0024	>=-2.5 & <=2.5	Pass
			50	NV	4.30	0.0011	>=-2.5 & <=2.5	Pass
			CP-OFDM 256 QAM	3840	Outer_Full	20	LV	1.00
HV	-2.40	-0.0006					>=-2.5 & <=2.5	Pass
-30	NV	-1.90				-0.0005	>=-2.5 & <=2.5	Pass
-20	NV	-3.90				-0.0010	>=-2.5 & <=2.5	Pass
-10	NV	1.30				0.0003	>=-2.5 & <=2.5	Pass
0	NV	2.90				0.0008	>=-2.5 & <=2.5	Pass
10	NV	3.00				0.0008	>=-2.5 & <=2.5	Pass
20	NV	-2.60				-0.0007	>=-2.5 & <=2.5	Pass
30	NV	5.50				0.0014	>=-2.5 & <=2.5	Pass
40	NV	5.60				0.0015	>=-2.5 & <=2.5	Pass
50	NV	0.80				0.0002	>=-2.5 & <=2.5	Pass

2.1.7 15k_SISO_50MHz

5G NR n77a SCS=15kHz SISO 50MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	4.60	0.0012	≥ -2.5 & ≤ 2.5	Pass
				HV	9.00	0.0023	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	9.20	0.0024	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	9.00	0.0023	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	4.70	0.0012	≥ -2.5 & ≤ 2.5	Pass
			0	NV	6.10	0.0016	≥ -2.5 & ≤ 2.5	Pass
			10	NV	14.20	0.0037	≥ -2.5 & ≤ 2.5	Pass
			20	NV	7.60	0.0020	≥ -2.5 & ≤ 2.5	Pass
			30	NV	10.00	0.0026	≥ -2.5 & ≤ 2.5	Pass
			40	NV	6.50	0.0017	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	6.10	0.0016	≥ -2.5 & ≤ 2.5	Pass
				HV	7.60	0.0020	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	7.70	0.0020	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	5.30	0.0014	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	7.50	0.0020	≥ -2.5 & ≤ 2.5	Pass
			0	NV	7.10	0.0018	≥ -2.5 & ≤ 2.5	Pass
			10	NV	5.40	0.0014	≥ -2.5 & ≤ 2.5	Pass
			20	NV	7.60	0.0020	≥ -2.5 & ≤ 2.5	Pass
			30	NV	2.10	0.0005	≥ -2.5 & ≤ 2.5	Pass
			40	NV	6.20	0.0016	≥ -2.5 & ≤ 2.5	Pass

			50	NV	8.80	0.0023	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	11.80	0.0031	≥ -2.5 & ≤ 2.5	Pass
				HV	0.80	0.0002	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	7.10	0.0018	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	6.30	0.0016	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	3.60	0.0009	≥ -2.5 & ≤ 2.5	Pass
			0	NV	3.80	0.0010	≥ -2.5 & ≤ 2.5	Pass
			10	NV	7.50	0.0020	≥ -2.5 & ≤ 2.5	Pass
			20	NV	10.10	0.0026	≥ -2.5 & ≤ 2.5	Pass
			30	NV	11.50	0.0030	≥ -2.5 & ≤ 2.5	Pass
			40	NV	6.40	0.0017	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	2.70	0.0007	≥ -2.5 & ≤ 2.5	Pass
				HV	2.80	0.0007	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	/	0.0017	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	/	0.0017	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	5.40	0.0014	≥ -2.5 & ≤ 2.5	Pass
			0	NV	2.80	0.0007	≥ -2.5 & ≤ 2.5	Pass
			10	NV	9.00	0.0023	≥ -2.5 & ≤ 2.5	Pass
			20	NV	3.40	0.0009	≥ -2.5 & ≤ 2.5	Pass
			30	NV	6.40	0.0017	≥ -2.5 & ≤ 2.5	Pass
			40	NV	5.30	0.0014	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	3840	Outer_Full	20	LV	3.90	0.0010	≥ -2.5 & ≤ 2.5	Pass
				HV	4.20	0.0011	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	9.40	0.0024	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	8.80	0.0023	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	7.40	0.0019	≥ -2.5 & ≤ 2.5	Pass
			0	NV	7.70	0.0020	≥ -2.5 & ≤ 2.5	Pass
			10	NV	7.70	0.0020	≥ -2.5 & ≤ 2.5	Pass
			20	NV	7.80	0.0020	≥ -2.5 & ≤ 2.5	Pass
			30	NV	3.70	0.0010	≥ -2.5 & ≤ 2.5	Pass
			40	NV	6.80	0.0018	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	7.40	0.0019	≥ -2.5 & ≤ 2.5	Pass
				HV	8.00	0.0021	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	5.90	0.0015	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	5.90	0.0015	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	8.10	0.0021	≥ -2.5 & ≤ 2.5	Pass
			0	NV	4.40	0.0011	≥ -2.5 & ≤ 2.5	Pass
			10	NV	5.20	0.0014	≥ -2.5 & ≤ 2.5	Pass
			20	NV	8.20	0.0021	≥ -2.5 & ≤ 2.5	Pass
			30	NV	6.20	0.0016	≥ -2.5 & ≤ 2.5	Pass
			40	NV	6.70	0.0017	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	4.20	0.0011	≥ -2.5 & ≤ 2.5	Pass
				HV	9.60	0.0025	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	6.60	0.0017	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	5.70	0.0015	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	1.10	0.0003	≥ -2.5 & ≤ 2.5	Pass
			0	NV	5.50	0.0014	≥ -2.5 & ≤ 2.5	Pass
			10	NV	5.00	0.0013	≥ -2.5 & ≤ 2.5	Pass
			20	NV	5.90	0.0015	≥ -2.5 & ≤ 2.5	Pass
			30	NV	5.30	0.0014	≥ -2.5 & ≤ 2.5	Pass
			40	NV	3.90	0.0010	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	LV	1.90	0.0005	≥ -2.5 & ≤ 2.5	Pass
				HV	-3.70	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-1.50	-0.0004	≥ -2.5 & ≤ 2.5	Pass

			-20	NV	-2.60	-0.0007	>=-2.5 & <=2.5	Pass
			-10	NV	2.00	0.0005	>=-2.5 & <=2.5	Pass
			0	NV	4.30	0.0011	>=-2.5 & <=2.5	Pass
			10	NV	4.00	0.0010	>=-2.5 & <=2.5	Pass
			20	NV	-2.10	-0.0005	>=-2.5 & <=2.5	Pass
			30	NV	5.30	0.0014	>=-2.5 & <=2.5	Pass
			40	NV	-1.40	-0.0004	>=-2.5 & <=2.5	Pass
			50	NV	1.30	0.0003	>=-2.5 & <=2.5	Pass

2.1.8 30k_SISO_10MHz

5G NR n77a SCS=30kHz SISO 10MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	-3.90	-0.0010	>=-2.5 & <=2.5	Pass
				HV	7.00	0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	4.30	0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	4.80	0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-9.90	-0.0026	>=-2.5 & <=2.5	Pass
			0	NV	-3.20	-0.0008	>=-2.5 & <=2.5	Pass
			10	NV	13.80	0.0036	>=-2.5 & <=2.5	Pass
			20	NV	3.90	0.0010	>=-2.5 & <=2.5	Pass
			30	NV	2.30	0.0006	>=-2.5 & <=2.5	Pass
			40	NV	-12.70	-0.0033	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass
				HV	-5.10	-0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	-7.60	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-0.30	-0.0001	>=-2.5 & <=2.5	Pass
			-10	NV	-3.70	-0.0010	>=-2.5 & <=2.5	Pass
			0	NV	4.50	0.0012	>=-2.5 & <=2.5	Pass
			10	NV	5.80	0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
			30	NV	-5.50	-0.0014	>=-2.5 & <=2.5	Pass
			40	NV	5.20	0.0014	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	4.90	0.0013	>=-2.5 & <=2.5	Pass
				HV	-6.40	-0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	-6.00	-0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	2.20	0.0006	>=-2.5 & <=2.5	Pass
			-10	NV	5.90	0.0015	>=-2.5 & <=2.5	Pass
			0	NV	1.50	0.0004	>=-2.5 & <=2.5	Pass
			10	NV	7.60	0.0020	>=-2.5 & <=2.5	Pass
			20	NV	4.60	0.0012	>=-2.5 & <=2.5	Pass
			30	NV	-2.20	-0.0006	>=-2.5 & <=2.5	Pass
			40	NV	4.90	0.0013	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	-10.40	-0.0027	>=-2.5 & <=2.5	Pass
				HV	3.50	0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	7.60	0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-3.20	-0.0008	>=-2.5 & <=2.5	Pass
			-10	NV	5.40	0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-3.50	-0.0009	>=-2.5 & <=2.5	Pass
			10	NV	1.90	0.0005	>=-2.5 & <=2.5	Pass
			20	NV	7.60	0.0020	>=-2.5 & <=2.5	Pass
			30	NV	-4.20	-0.0011	>=-2.5 & <=2.5	Pass
			40	NV	3.50	0.0009	>=-2.5 & <=2.5	Pass

CP-OFDM QPSK	3840	Outer_Full	50	NV	-3.70	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			20	LV	1.20	0.0003	≥ -2.5 & ≤ 2.5	Pass
				HV	5.80	0.0015	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-5.00	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	1.80	0.0005	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	1.70	0.0004	≥ -2.5 & ≤ 2.5	Pass
			0	NV	4.50	0.0012	≥ -2.5 & ≤ 2.5	Pass
			10	NV	6.50	0.0017	≥ -2.5 & ≤ 2.5	Pass
			20	NV	4.40	0.0011	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-1.50	-0.0004	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	40	NV	1.80	0.0005	≥ -2.5 & ≤ 2.5	Pass
			50	NV	4.40	0.0011	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-1.40	-0.0004	≥ -2.5 & ≤ 2.5	Pass
				HV	1.80	0.0005	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	4.30	0.0011	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-6.40	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-5.20	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.80	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-2.20	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-3.10	-0.0008	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	30	NV	-4.30	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-4.30	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-1.60	-0.0004	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-4.30	-0.0011	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.90	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-2.70	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	3.10	0.0008	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	1.10	0.0003	≥ -2.5 & ≤ 2.5	Pass
			0	NV	3.90	0.0010	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.20	-0.0011	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	NV	6.30	0.0016	≥ -2.5 & ≤ 2.5	Pass
			30	NV	3.20	0.0008	≥ -2.5 & ≤ 2.5	Pass
			40	NV	0.90	0.0002	≥ -2.5 & ≤ 2.5	Pass
			50	NV	2.30	0.0006	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-5.10	-0.0013	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.90	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.00	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-5.10	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-5.60	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-7.00	-0.0018	≥ -2.5 & ≤ 2.5	Pass
		Outer_Full	10	NV	-3.00	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			20	NV	1.50	0.0004	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-6.00	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-4.80	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-4.10	-0.0011	≥ -2.5 & ≤ 2.5	Pass

2.1.9 30k_SISO_15MHz

5G NR n77a SCS=30kHz SISO 15MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	-7.60	-0.0020	≥ -2.5 & ≤ 2.5	Pass
				HV	2.30	0.0006	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-1.90	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-4.30	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-7.80	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			0	NV	5.20	0.0014	≥ -2.5 & ≤ 2.5	Pass

			10	NV	-7.30	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-8.90	-0.0023	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-7.20	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-5.00	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			50	NV	4.70	0.0012	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	7.40	0.0019	≥ -2.5 & ≤ 2.5	Pass
				HV	-3.70	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	2.30	0.0006	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	4.40	0.0011	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	2.20	0.0006	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-2.40	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-6.70	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.80	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			30	NV	3.70	0.0010	≥ -2.5 & ≤ 2.5	Pass
			40	NV	3.10	0.0008	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	50	NV	-2.60	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-3.00	-0.0008	≥ -2.5 & ≤ 2.5	Pass
				HV	-5.90	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	6.10	0.0016	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	8.60	0.0022	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.90	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-2.00	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-6.10	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			20	NV	4.70	0.0012	≥ -2.5 & ≤ 2.5	Pass
			30	NV	5.10	0.0013	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	40	NV	-3.50	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			50	NV	7.10	0.0018	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-3.60	-0.0009	≥ -2.5 & ≤ 2.5	Pass
				HV	8.90	0.0023	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-6.60	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-7.40	-0.0019	≥ -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	-4.40	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.40	-0.0011	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	3840	Outer_Full	30	NV	-5.30	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-9.00	-0.0023	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-9.30	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			20	LV	3.40	0.0009	≥ -2.5 & ≤ 2.5	Pass
				HV	-2.70	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-1.20	-0.0003	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	1.70	0.0004	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-1.40	-0.0004	≥ -2.5 & ≤ 2.5	Pass
			0	NV	4.90	0.0013	≥ -2.5 & ≤ 2.5	Pass
			10	NV	3.70	0.0010	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	NV	3.10	0.0008	≥ -2.5 & ≤ 2.5	Pass
			30	NV	3.60	0.0009	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.10	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-2.10	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-3.40	-0.0009	≥ -2.5 & ≤ 2.5	Pass
				HV	4.30	0.0011	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-4.50	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-1.10	-0.0003	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	3.40	0.0009	≥ -2.5 & ≤ 2.5	Pass
			0	NV	2.30	0.0006	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.00	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			20	NV	5.10	0.0013	≥ -2.5 & ≤ 2.5	Pass
			30	NV	2.10	0.0005	≥ -2.5 & ≤ 2.5	Pass
			40	NV	5.70	0.0015	≥ -2.5 & ≤ 2.5	Pass

CP-OFDM 64 QAM	3840	Outer_Full	50	NV	-4.20	-0.0011	>=-2.5 & <=2.5	Pass
			20	LV	-1.20	-0.0003	>=-2.5 & <=2.5	Pass
				HV	-4.40	-0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	1.90	0.0005	>=-2.5 & <=2.5	Pass
			-20	NV	2.90	0.0008	>=-2.5 & <=2.5	Pass
			-10	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
			0	NV	1.70	0.0004	>=-2.5 & <=2.5	Pass
			10	NV	-2.50	-0.0007	>=-2.5 & <=2.5	Pass
			20	NV	-5.10	-0.0013	>=-2.5 & <=2.5	Pass
			30	NV	2.20	0.0006	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	40	NV	2.80	0.0007	>=-2.5 & <=2.5	Pass
			50	NV	-1.80	-0.0005	>=-2.5 & <=2.5	Pass
			20	LV	-3.70	-0.0010	>=-2.5 & <=2.5	Pass
				HV	0.70	0.0002	>=-2.5 & <=2.5	Pass
			-30	NV	-2.50	-0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	-4.70	-0.0012	>=-2.5 & <=2.5	Pass
			-10	NV	-7.90	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-5.70	-0.0015	>=-2.5 & <=2.5	Pass
			10	NV	-6.00	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-0.40	-0.0001	>=-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	-4.10	-0.0011	>=-2.5 & <=2.5	Pass

2.1.10 30k_SISO_20MHz

5G NR n77a SCS=30kHz SISO 20MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	9.60	0.0025	>=-2.5 & <=2.5	Pass
				HV	-6.50	-0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	6.00	0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	4.30	0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	4.50	0.0012	>=-2.5 & <=2.5	Pass
			0	NV	-3.80	-0.0010	>=-2.5 & <=2.5	Pass
			10	NV	-1.90	-0.0005	>=-2.5 & <=2.5	Pass
			20	NV	-1.20	-0.0003	>=-2.5 & <=2.5	Pass
			30	NV	-4.70	-0.0012	>=-2.5 & <=2.5	Pass
			40	NV	-6.50	-0.0017	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	50	NV	5.80	0.0015	>=-2.5 & <=2.5	Pass
			20	LV	12.30	0.0032	>=-2.5 & <=2.5	Pass
				HV	6.00	0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	10.10	0.0026	>=-2.5 & <=2.5	Pass
			-20	NV	6.60	0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-5.70	-0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-4.20	-0.0011	>=-2.5 & <=2.5	Pass
			10	NV	8.40	0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass
			30	NV	5.60	0.0015	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	40	NV	-14.10	-0.0037	>=-2.5 & <=2.5	Pass
			50	NV	-5.30	-0.0014	>=-2.5 & <=2.5	Pass
			20	LV	-6.00	-0.0016	>=-2.5 & <=2.5	Pass
				HV	5.50	0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	-3.50	-0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	5.80	0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	7.90	0.0021	>=-2.5 & <=2.5	Pass
			0	NV	8.10	0.0021	>=-2.5 & <=2.5	Pass

			10	NV	6.10	0.0016	≥ -2.5 & ≤ 2.5	Pass
			20	NV	9.50	0.0025	≥ -2.5 & ≤ 2.5	Pass
			30	NV	5.30	0.0014	≥ -2.5 & ≤ 2.5	Pass
			40	NV	2.00	0.0005	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-4.00	-0.0010	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	-8.20	-0.0021	≥ -2.5 & ≤ 2.5	Pass
				HV	5.00	0.0013	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	2.00	0.0005	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-8.40	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-1.20	-0.0003	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-9.20	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			10	NV	5.30	0.0014	≥ -2.5 & ≤ 2.5	Pass
			20	NV	3.30	0.0009	≥ -2.5 & ≤ 2.5	Pass
			30	NV	/	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-6.10	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-7.10	-0.0018	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	3840	Outer_Full	20	LV	-5.40	-0.0014	≥ -2.5 & ≤ 2.5	Pass
				HV	3.10	0.0008	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-9.00	-0.0023	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	3.20	0.0008	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-5.90	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-4.30	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			10	NV	2.90	0.0008	≥ -2.5 & ≤ 2.5	Pass
			20	NV	5.60	0.0015	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.40	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			40	NV	1.60	0.0004	≥ -2.5 & ≤ 2.5	Pass
			50	NV	3.10	0.0008	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	-3.70	-0.0010	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.30	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	2.40	0.0006	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-3.40	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.30	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.80	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-6.60	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			20	NV	4.10	0.0011	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-5.10	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.70	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-4.90	-0.0013	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	1.70	0.0004	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.10	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-4.30	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	2.60	0.0007	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	1.70	0.0004	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-5.20	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-1.50	-0.0004	≥ -2.5 & ≤ 2.5	Pass
			20	NV	3.20	0.0008	≥ -2.5 & ≤ 2.5	Pass
			30	NV	5.20	0.0014	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-2.10	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			50	NV	1.50	0.0004	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	LV	-7.10	-0.0018	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.80	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-5.70	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-5.80	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-6.60	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-4.60	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-6.30	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-6.80	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-5.10	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-6.60	-0.0017	≥ -2.5 & ≤ 2.5	Pass

			50	NV	-4.00	-0.0010	>=-2.5 & <=2.5	Pass
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2.1.11 30k_SISO_25MHz

5G NR n77a SCS=30kHz SISO 25MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	-3.60	-0.0009	>=-2.5 & <=2.5	Pass
				HV	-5.30	-0.0014	>=-2.5 & <=2.5	Pass
			-30	NV	8.90	0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	4.40	0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	6.70	0.0017	>=-2.5 & <=2.5	Pass
			0	NV	3.10	0.0008	>=-2.5 & <=2.5	Pass
			10	NV	6.30	0.0016	>=-2.5 & <=2.5	Pass
			20	NV	4.60	0.0012	>=-2.5 & <=2.5	Pass
			30	NV	5.30	0.0014	>=-2.5 & <=2.5	Pass
			40	NV	3.80	0.0010	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	7.90	0.0021	>=-2.5 & <=2.5	Pass
				HV	7.70	0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	9.20	0.0024	>=-2.5 & <=2.5	Pass
			-20	NV	4.30	0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	5.40	0.0014	>=-2.5 & <=2.5	Pass
			0	NV	8.40	0.0022	>=-2.5 & <=2.5	Pass
			10	NV	13.60	0.0035	>=-2.5 & <=2.5	Pass
			20	NV	8.60	0.0022	>=-2.5 & <=2.5	Pass
			30	NV	5.80	0.0015	>=-2.5 & <=2.5	Pass
			40	NV	-2.20	-0.0006	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	7.70	0.0020	>=-2.5 & <=2.5	Pass
				HV	5.80	0.0015	>=-2.5 & <=2.5	Pass
			-30	NV	4.60	0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	1.60	0.0004	>=-2.5 & <=2.5	Pass
			-10	NV	-1.60	-0.0004	>=-2.5 & <=2.5	Pass
			0	NV	5.20	0.0014	>=-2.5 & <=2.5	Pass
			10	NV	-7.70	-0.0020	>=-2.5 & <=2.5	Pass
			20	NV	-11.10	-0.0029	>=-2.5 & <=2.5	Pass
			30	NV	-7.80	-0.0020	>=-2.5 & <=2.5	Pass
			40	NV	5.80	0.0015	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	-5.90	-0.0015	>=-2.5 & <=2.5	Pass
				HV	-1.60	-0.0004	>=-2.5 & <=2.5	Pass
			-30	NV	8.50	0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-4.40	-0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
			10	NV	-11.50	-0.0030	>=-2.5 & <=2.5	Pass
			20	NV	3.90	0.0010	>=-2.5 & <=2.5	Pass
			30	NV	5.00	0.0013	>=-2.5 & <=2.5	Pass
			40	NV	-3.60	-0.0009	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3840	Outer_Full	20	LV	-5.70	-0.0015	>=-2.5 & <=2.5	Pass
				HV	1.50	0.0004	>=-2.5 & <=2.5	Pass
			-30	NV	-3.30	-0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	0.60	0.0002	>=-2.5 & <=2.5	Pass
			-10	NV	1.80	0.0005	>=-2.5 & <=2.5	Pass
			0	NV	-2.80	-0.0007	>=-2.5 & <=2.5	Pass

			10	NV	2.50	0.0007	≥ -2.5 & ≤ 2.5	Pass
			20	NV	2.40	0.0006	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-1.40	-0.0004	≥ -2.5 & ≤ 2.5	Pass
			40	NV	5.50	0.0014	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-5.40	-0.0014	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	-9.40	-0.0024	≥ -2.5 & ≤ 2.5	Pass
				HV	4.20	0.0011	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-5.80	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	2.60	0.0007	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-5.70	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			0	NV	3.50	0.0009	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-7.70	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-1.60	-0.0004	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-6.90	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-4.80	-0.0013	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	50	NV	5.60	0.0015	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-3.70	-0.0010	≥ -2.5 & ≤ 2.5	Pass
				HV	5.90	0.0015	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-9.60	-0.0025	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-5.30	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	1.40	0.0004	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-4.90	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-5.30	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-5.40	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			30	NV	1.70	0.0004	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	40	NV	-2.80	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-6.20	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-6.20	-0.0016	≥ -2.5 & ≤ 2.5	Pass
				HV	3.00	0.0008	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-7.70	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-1.90	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-5.00	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-4.40	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.80	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-5.50	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-4.00	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.20	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-4.00	-0.0010	≥ -2.5 & ≤ 2.5	Pass

2.1.12 30k_SISO_30MHz

5G NR n77a SCS=30kHz SISO 30MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	4.10	0.0011	≥ -2.5 & ≤ 2.5	Pass
				HV	6.90	0.0018	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	6.30	0.0016	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-3.00	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	5.50	0.0014	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-5.10	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			10	NV	3.40	0.0009	≥ -2.5 & ≤ 2.5	Pass
			20	NV	6.20	0.0016	≥ -2.5 & ≤ 2.5	Pass
			30	NV	7.10	0.0018	≥ -2.5 & ≤ 2.5	Pass
			40	NV	5.30	0.0014	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	50	NV	3.30	0.0009	≥ -2.5 & ≤ 2.5	Pass
			20	LV	4.80	0.0013	≥ -2.5 & ≤ 2.5	Pass
				HV	3.80	0.0010	≥ -2.5 & ≤ 2.5	Pass

			-30	NV	3.10	0.0008	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-2.40	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	1.70	0.0004	≥ -2.5 & ≤ 2.5	Pass
			0	NV	5.10	0.0013	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.20	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.90	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-7.70	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			40	NV	2.30	0.0006	≥ -2.5 & ≤ 2.5	Pass
			50	NV	5.40	0.0014	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	1.80	0.0005	≥ -2.5 & ≤ 2.5	Pass
				HV	4.10	0.0011	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	4.20	0.0011	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	1.50	0.0004	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	4.80	0.0013	≥ -2.5 & ≤ 2.5	Pass
			0	NV	2.40	0.0006	≥ -2.5 & ≤ 2.5	Pass
			10	NV	3.90	0.0010	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-3.40	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			30	NV	4.80	0.0013	≥ -2.5 & ≤ 2.5	Pass
			40	NV	3.50	0.0009	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-5.10	-0.0013	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	3.60	0.0009	≥ -2.5 & ≤ 2.5	Pass
				HV	-5.80	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	6.50	0.0017	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-2.50	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	3.70	0.0010	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-5.90	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			10	NV	3.60	0.0009	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-6.50	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-7.30	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-2.40	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			50	NV	/	-0.0007	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	3840	Outer_Full	20	LV	5.50	0.0014	≥ -2.5 & ≤ 2.5	Pass
				HV	2.70	0.0007	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	6.50	0.0017	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	3.00	0.0008	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	3.10	0.0008	≥ -2.5 & ≤ 2.5	Pass
			0	NV	3.00	0.0008	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.60	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			20	NV	2.10	0.0005	≥ -2.5 & ≤ 2.5	Pass
			30	NV	3.10	0.0008	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-4.40	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			50	NV	3.00	0.0008	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	-3.70	-0.0010	≥ -2.5 & ≤ 2.5	Pass
				HV	4.40	0.0011	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	4.30	0.0011	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	5.30	0.0014	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	3.50	0.0009	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-2.70	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			10	NV	3.40	0.0009	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.60	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-6.70	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-2.40	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-7.20	-0.0019	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	-4.20	-0.0011	≥ -2.5 & ≤ 2.5	Pass
				HV	-6.00	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-1.90	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	5.00	0.0013	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.60	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-2.60	-0.0007	≥ -2.5 & ≤ 2.5	Pass

			10	NV	-4.20	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			20	NV	3.00	0.0008	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-2.10	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			40	NV	3.70	0.0010	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-5.70	-0.0015	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	LV	-4.40	-0.0011	≥ -2.5 & ≤ 2.5	Pass
				HV	-2.20	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-5.60	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	2.50	0.0007	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-5.70	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-2.40	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-1.70	-0.0004	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-7.90	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-4.30	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-2.80	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			50	NV	1.50	0.0004	≥ -2.5 & ≤ 2.5	Pass

2.1.13 30k_SISO_40MHz

5G NR n77a SCS=30kHz SISO 40MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	3.10	0.0008	≥ -2.5 & ≤ 2.5	Pass
				HV	4.00	0.0010	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	4.70	0.0012	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-8.50	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	5.50	0.0014	≥ -2.5 & ≤ 2.5	Pass
			0	NV	4.00	0.0010	≥ -2.5 & ≤ 2.5	Pass
			10	NV	5.40	0.0014	≥ -2.5 & ≤ 2.5	Pass
			20	NV	5.70	0.0015	≥ -2.5 & ≤ 2.5	Pass
			30	NV	2.50	0.0007	≥ -2.5 & ≤ 2.5	Pass
			40	NV	9.90	0.0026	≥ -2.5 & ≤ 2.5	Pass
			50	NV	3.40	0.0009	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	4.20	0.0011	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.50	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	6.90	0.0018	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-11.40	-0.0030	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.70	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.00	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			10	NV	1.80	0.0005	≥ -2.5 & ≤ 2.5	Pass
			20	NV	8.10	0.0021	≥ -2.5 & ≤ 2.5	Pass
			30	NV	10.70	0.0028	≥ -2.5 & ≤ 2.5	Pass
			40	NV	10.20	0.0027	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-3.10	-0.0008	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	4.20	0.0011	≥ -2.5 & ≤ 2.5	Pass
				HV	3.30	0.0009	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-6.20	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	12.80	0.0033	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	9.40	0.0024	≥ -2.5 & ≤ 2.5	Pass
			0	NV	3.20	0.0008	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-12.60	-0.0033	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.10	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			30	NV	5.80	0.0015	≥ -2.5 & ≤ 2.5	Pass
			40	NV	8.00	0.0021	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-5.20	-0.0014	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	-6.60	-0.0017	≥ -2.5 & ≤ 2.5	Pass
				HV	7.10	0.0018	≥ -2.5 & ≤ 2.5	Pass

			-30	NV	5.40	0.0014	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	4.70	0.0012	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	5.10	0.0013	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-2.80	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.20	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-6.40	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			30	NV	7.40	0.0019	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.50	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			50	NV	6.20	0.0016	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	3840	Outer_Full	20	LV	-2.50	-0.0007	≥ -2.5 & ≤ 2.5	Pass
				HV	4.40	0.0011	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	4.30	0.0011	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	5.10	0.0013	≥ -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	5.10	0.0013	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-7.60	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.00	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			40	NV	2.70	0.0007	≥ -2.5 & ≤ 2.5	Pass
			50	NV	3.20	0.0008	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	5.80	0.0015	≥ -2.5 & ≤ 2.5	Pass
				HV	2.90	0.0008	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	3.70	0.0010	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	5.10	0.0013	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-2.90	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			0	NV	6.40	0.0017	≥ -2.5 & ≤ 2.5	Pass
			10	NV	5.60	0.0015	≥ -2.5 & ≤ 2.5	Pass
			20	NV	4.40	0.0011	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.40	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			40	NV	1.70	0.0004	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-3.50	-0.0009	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	4.00	0.0010	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.20	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-4.30	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	2.50	0.0007	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-2.60	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-4.00	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.40	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.60	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-4.50	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			40	NV	3.40	0.0009	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-5.60	-0.0015	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	LV	-5.10	-0.0013	≥ -2.5 & ≤ 2.5	Pass
				HV	-2.10	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	6.40	0.0017	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-2.30	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	2.80	0.0007	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-6.20	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			10	NV	5.40	0.0014	≥ -2.5 & ≤ 2.5	Pass
			20	NV	4.20	0.0011	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.10	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-1.10	-0.0003	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-1.70	-0.0004	≥ -2.5 & ≤ 2.5	Pass

2.1.14 30k_SISO_50MHz

5G NR n77a SCS=30kHz SISO 50MHz

Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	6.70	0.0017	>=-2.5 & <=2.5	Pass
				HV	7.10	0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-6.30	-0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	4.40	0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	5.90	0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-1.20	-0.0003	>=-2.5 & <=2.5	Pass
			10	NV	1.80	0.0005	>=-2.5 & <=2.5	Pass
			20	NV	4.80	0.0013	>=-2.5 & <=2.5	Pass
			30	NV	5.60	0.0015	>=-2.5 & <=2.5	Pass
			40	NV	7.40	0.0019	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-6.40	-0.0017	>=-2.5 & <=2.5	Pass
				HV	3.60	0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	8.30	0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	8.90	0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	8.40	0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-8.40	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	5.60	0.0015	>=-2.5 & <=2.5	Pass
			20	NV	6.10	0.0016	>=-2.5 & <=2.5	Pass
			30	NV	4.50	0.0012	>=-2.5 & <=2.5	Pass
			40	NV	3.30	0.0009	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	3.40	0.0009	>=-2.5 & <=2.5	Pass
				HV	3.80	0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	4.80	0.0013	>=-2.5 & <=2.5	Pass
			-20	NV	2.50	0.0007	>=-2.5 & <=2.5	Pass
			-10	NV	1.90	0.0005	>=-2.5 & <=2.5	Pass
			0	NV	5.90	0.0015	>=-2.5 & <=2.5	Pass
			10	NV	5.20	0.0014	>=-2.5 & <=2.5	Pass
			20	NV	1.50	0.0004	>=-2.5 & <=2.5	Pass
			30	NV	5.50	0.0014	>=-2.5 & <=2.5	Pass
			40	NV	6.70	0.0017	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	5.00	0.0013	>=-2.5 & <=2.5	Pass
				HV	5.00	0.0013	>=-2.5 & <=2.5	Pass
			-30	NV	1.30	0.0003	>=-2.5 & <=2.5	Pass
			-20	NV	4.00	0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	-1.00	-0.0003	>=-2.5 & <=2.5	Pass
			0	NV	4.10	0.0011	>=-2.5 & <=2.5	Pass
			10	NV	5.00	0.0013	>=-2.5 & <=2.5	Pass
			20	NV	2.70	0.0007	>=-2.5 & <=2.5	Pass
			30	NV	5.60	0.0015	>=-2.5 & <=2.5	Pass
			40	NV	4.80	0.0013	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3840	Outer_Full	20	LV	4.90	0.0013	>=-2.5 & <=2.5	Pass
				HV	3.30	0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	4.30	0.0011	>=-2.5 & <=2.5	Pass
			-20	NV	2.90	0.0008	>=-2.5 & <=2.5	Pass
			-10	NV	-3.00	-0.0008	>=-2.5 & <=2.5	Pass
			0	NV	9.10	0.0024	>=-2.5 & <=2.5	Pass
			10	NV	1.10	0.0003	>=-2.5 & <=2.5	Pass
			20	NV	3.40	0.0009	>=-2.5 & <=2.5	Pass
			30	NV	-3.00	-0.0008	>=-2.5 & <=2.5	Pass
			40	NV	-3.60	-0.0009	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	-6.00	-0.0016	>=-2.5 & <=2.5	Pass
				HV	1.90	0.0005	>=-2.5 & <=2.5	Pass

			-30	NV	3.90	0.0010	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	2.20	0.0006	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	3.70	0.0010	≥ -2.5 & ≤ 2.5	Pass
			0	NV	2.30	0.0006	≥ -2.5 & ≤ 2.5	Pass
			10	NV	3.50	0.0009	≥ -2.5 & ≤ 2.5	Pass
			20	NV	2.80	0.0007	≥ -2.5 & ≤ 2.5	Pass
			30	NV	6.40	0.0017	≥ -2.5 & ≤ 2.5	Pass
			40	NV	5.20	0.0014	≥ -2.5 & ≤ 2.5	Pass
			50	NV	6.40	0.0017	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	4.20	0.0011	≥ -2.5 & ≤ 2.5	Pass
				HV	4.10	0.0011	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	5.30	0.0014	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	2.00	0.0005	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	3.20	0.0008	≥ -2.5 & ≤ 2.5	Pass
			0	NV	5.80	0.0015	≥ -2.5 & ≤ 2.5	Pass
			10	NV	3.50	0.0009	≥ -2.5 & ≤ 2.5	Pass
			20	NV	3.20	0.0008	≥ -2.5 & ≤ 2.5	Pass
			30	NV	5.60	0.0015	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	40	NV	5.30	0.0014	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-5.60	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			20	LV	5.10	0.0013	≥ -2.5 & ≤ 2.5	Pass
				HV	2.30	0.0006	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.60	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-5.20	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	/	0.0009	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-1.50	-0.0004	≥ -2.5 & ≤ 2.5	Pass
			10	NV	1.90	0.0005	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-2.70	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			30	NV	5.40	0.0014	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-1.10	-0.0003	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-2.70	-0.0007	≥ -2.5 & ≤ 2.5	Pass

2.1.15 30k_SISO_60MHz

5G NR n77a SCS=30kHz SISO 60MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	6.80	0.0018	≥ -2.5 & ≤ 2.5	Pass
				HV	-3.90	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-0.90	-0.0002	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-2.70	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-4.90	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-6.30	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			10	NV	4.60	0.0012	≥ -2.5 & ≤ 2.5	Pass
			20	NV	4.80	0.0013	≥ -2.5 & ≤ 2.5	Pass
			30	NV	3.20	0.0008	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	40	NV	3.70	0.0010	≥ -2.5 & ≤ 2.5	Pass
			50	NV	3.60	0.0009	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-7.20	-0.0019	≥ -2.5 & ≤ 2.5	Pass
				HV	3.70	0.0010	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	5.10	0.0013	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-8.70	-0.0023	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-6.60	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			0	NV	4.60	0.0012	≥ -2.5 & ≤ 2.5	Pass
			10	NV	4.20	0.0011	≥ -2.5 & ≤ 2.5	Pass
			20	NV	7.50	0.0020	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-4.00	-0.0010	≥ -2.5 & ≤ 2.5	Pass

			40	NV	-5.30	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-5.70	-0.0015	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	9.10	0.0024	≥ -2.5 & ≤ 2.5	Pass
				HV	-6.10	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-5.20	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	2.80	0.0007	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	3.10	0.0008	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-2.70	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-2.90	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-5.10	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-5.30	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			40	NV	3.90	0.0010	≥ -2.5 & ≤ 2.5	Pass
			50	NV	3.10	0.0008	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	-13.40	-0.0035	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.00	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	/	0.0012	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	/	0.0013	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	/	0.0008	≥ -2.5 & ≤ 2.5	Pass
			0	NV	/	0.0012	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.00	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.60	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			30	NV	6.10	0.0016	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-4.40	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			50	NV	4.40	0.0011	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	3840	Outer_Full	20	LV	-2.70	-0.0007	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.10	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	4.70	0.0012	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-6.30	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-2.30	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-3.10	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.00	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			20	NV	1.60	0.0004	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-4.70	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.00	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-2.30	-0.0006	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	-3.40	-0.0009	≥ -2.5 & ≤ 2.5	Pass
				HV	-9.10	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-4.30	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-4.10	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-5.50	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-8.90	-0.0023	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.80	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.20	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-6.10	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-4.20	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-2.80	-0.0007	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	-3.80	-0.0010	≥ -2.5 & ≤ 2.5	Pass
				HV	-1.30	-0.0003	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.60	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	1.80	0.0005	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-5.30	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-4.00	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			10	NV	2.40	0.0006	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.10	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-5.00	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			40	NV	6.30	0.0016	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-4.70	-0.0012	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	LV	2.70	0.0007	≥ -2.5 & ≤ 2.5	Pass
				HV	-7.50	-0.0020	≥ -2.5 & ≤ 2.5	Pass

			-30	NV	-7.80	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-7.60	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-7.30	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			0	NV	5.10	0.0013	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-5.30	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			20	NV	3.90	0.0010	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-5.00	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			40	NV	3.80	0.0010	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-5.30	-0.0014	≥ -2.5 & ≤ 2.5	Pass

2.1.16 30k_SISO_70MHz

5G NR n77a SCS=30kHz SISO 70MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	9.60	0.0025	≥ -2.5 & ≤ 2.5	Pass
				HV	-5.50	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	7.00	0.0018	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-10.50	-0.0027	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	5.40	0.0014	≥ -2.5 & ≤ 2.5	Pass
			0	NV	3.00	0.0008	≥ -2.5 & ≤ 2.5	Pass
			10	NV	3.70	0.0010	≥ -2.5 & ≤ 2.5	Pass
			20	NV	4.30	0.0011	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-5.90	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-4.30	-0.0011	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	6.50	0.0017	≥ -2.5 & ≤ 2.5	Pass
				HV	4.60	0.0012	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	3.60	0.0009	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-6.10	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	3.90	0.0010	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-4.40	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			10	NV	4.20	0.0011	≥ -2.5 & ≤ 2.5	Pass
			20	NV	10.30	0.0027	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-6.80	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			40	NV	6.10	0.0016	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	8.70	0.0023	≥ -2.5 & ≤ 2.5	Pass
				HV	5.20	0.0014	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	9.60	0.0025	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-15.50	-0.0040	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-6.60	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			0	NV	8.10	0.0021	≥ -2.5 & ≤ 2.5	Pass
			10	NV	4.40	0.0011	≥ -2.5 & ≤ 2.5	Pass
			20	NV	3.40	0.0009	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-9.90	-0.0026	≥ -2.5 & ≤ 2.5	Pass
			40	NV	4.90	0.0013	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	20	LV	1.90	0.0005	≥ -2.5 & ≤ 2.5	Pass
				HV	1.50	0.0004	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	7.50	0.0020	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-8.60	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-15.10	-0.0039	≥ -2.5 & ≤ 2.5	Pass
			0	NV	/	0.0013	≥ -2.5 & ≤ 2.5	Pass
			10	NV	/	0.0010	≥ -2.5 & ≤ 2.5	Pass
			20	NV	4.60	0.0012	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.80	-0.0010	≥ -2.5 & ≤ 2.5	Pass

CP-OFDM QPSK	3840	Outer_Full	40	NV	-2.70	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			50	NV	5.70	0.0015	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-5.20	-0.0014	≥ -2.5 & ≤ 2.5	Pass
				HV	-7.80	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	3.20	0.0008	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	3.90	0.0010	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-1.80	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			0	NV	6.00	0.0016	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.80	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-6.10	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.80	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			40	NV	4.00	0.0010	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	50	NV	-2.30	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			20	LV	2.50	0.0007	≥ -2.5 & ≤ 2.5	Pass
				HV	3.40	0.0009	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	3.10	0.0008	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-5.80	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-2.60	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-8.10	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-1.80	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-7.10	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-2.10	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			40	NV	4.60	0.0012	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-6.50	-0.0017	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	LV	-2.80	-0.0007	≥ -2.5 & ≤ 2.5	Pass
				HV	-7.60	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-4.30	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-5.80	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.10	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			0	NV	3.70	0.0010	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-5.80	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-2.50	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-2.90	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-5.10	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-4.40	-0.0011	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	20	LV	-4.30	-0.0011	≥ -2.5 & ≤ 2.5	Pass
				HV	-8.30	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.70	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-4.00	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	2.40	0.0006	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-4.70	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-5.80	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			20	NV	5.30	0.0014	≥ -2.5 & ≤ 2.5	Pass
			30	NV	6.30	0.0016	≥ -2.5 & ≤ 2.5	Pass
			40	NV	5.00	0.0013	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-2.80	-0.0007	≥ -2.5 & ≤ 2.5	Pass

2.1.17 30k_SISO_80MHz

5G NR n77a SCS=30kHz SISO 80MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	4.00	0.0010	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.00	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	3.10	0.0008	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-5.20	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-14.70	-0.0038	≥ -2.5 & ≤ 2.5	Pass

			0	NV	-4.70	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			10	NV	6.70	0.0017	≥ -2.5 & ≤ 2.5	Pass
			20	NV	6.90	0.0018	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-10.60	-0.0028	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-7.90	-0.0021	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	50	NV	6.40	0.0017	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-7.60	-0.0020	≥ -2.5 & ≤ 2.5	Pass
				HV	-7.40	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-9.10	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-8.90	-0.0023	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	3.50	0.0009	≥ -2.5 & ≤ 2.5	Pass
			0	NV	9.20	0.0024	≥ -2.5 & ≤ 2.5	Pass
			10	NV	2.40	0.0006	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-10.50	-0.0027	≥ -2.5 & ≤ 2.5	Pass
			30	NV	4.10	0.0011	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	40	NV	6.10	0.0016	≥ -2.5 & ≤ 2.5	Pass
			50	NV	5.10	0.0013	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-3.80	-0.0010	≥ -2.5 & ≤ 2.5	Pass
				HV	-6.30	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	3.70	0.0010	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	5.70	0.0015	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	1.80	0.0005	≥ -2.5 & ≤ 2.5	Pass
			0	NV	3.60	0.0009	≥ -2.5 & ≤ 2.5	Pass
			10	NV	13.10	0.0034	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-3.70	-0.0010	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	30	NV	6.90	0.0018	≥ -2.5 & ≤ 2.5	Pass
			40	NV	5.90	0.0015	≥ -2.5 & ≤ 2.5	Pass
			50	NV	12.30	0.0032	≥ -2.5 & ≤ 2.5	Pass
			20	LV	6.50	0.0017	≥ -2.5 & ≤ 2.5	Pass
				HV	-13.80	-0.0036	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-5.10	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-12.40	-0.0032	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-10.60	-0.0028	≥ -2.5 & ≤ 2.5	Pass
			0	NV	/	0.0018	≥ -2.5 & ≤ 2.5	Pass
			10	NV	5.50	0.0015	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	3840	Outer_Full	20	NV	/	0.0032	≥ -2.5 & ≤ 2.5	Pass
			30	NV	3.40	0.0009	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-1.60	-0.0004	≥ -2.5 & ≤ 2.5	Pass
			50	NV	4.60	0.0012	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-3.10	-0.0008	≥ -2.5 & ≤ 2.5	Pass
				HV	-1.50	-0.0004	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-1.90	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-4.90	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-6.30	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-4.70	-0.0012	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	10	NV	-3.40	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-1.40	-0.0004	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-4.50	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-5.10	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-6.00	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-1.20	-0.0003	≥ -2.5 & ≤ 2.5	Pass
				HV	-7.30	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-8.20	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-4.90	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-2.30	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-6.10	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-8.70	-0.0023	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-6.40	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-4.60	-0.0012	≥ -2.5 & ≤ 2.5	Pass

CP-OFDM 64 QAM	3840	Outer_Full	40	NV	-1.50	-0.0004	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-3.30	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			20	LV	3.30	0.0009	≥ -2.5 & ≤ 2.5	Pass
				HV	-2.80	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	3.80	0.0010	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-1.20	-0.0003	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-5.10	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-2.10	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-5.80	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-5.70	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.60	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-5.10	-0.0013	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	50	NV	-7.70	-0.0020	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-4.80	-0.0013	≥ -2.5 & ≤ 2.5	Pass
				HV	-5.00	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.30	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-6.10	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-2.80	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-5.50	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-6.10	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.30	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.60	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-11.30	-0.0029	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-8.20	-0.0021	≥ -2.5 & ≤ 2.5	Pass

2.1.18 30k_SISO_90MHz

5G NR n77a SCS=30kHz SISO 90MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	4.50	0.0012	≥ -2.5 & ≤ 2.5	Pass
				HV	4.20	0.0011	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-5.30	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-6.40	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-9.50	-0.0025	≥ -2.5 & ≤ 2.5	Pass
			0	NV	5.00	0.0013	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-5.20	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.80	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.70	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-5.70	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-5.60	-0.0015	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	7.60	0.0020	≥ -2.5 & ≤ 2.5	Pass
				HV	2.40	0.0006	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-10.70	-0.0028	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-12.50	-0.0033	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.30	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			0	NV	4.80	0.0013	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-5.30	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-8.40	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			30	NV	3.60	0.0009	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-1.90	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-5.90	-0.0015	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	1.20	0.0003	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.80	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	13.70	0.0036	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	8.40	0.0022	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	3.30	0.0009	≥ -2.5 & ≤ 2.5	Pass

			0	NV	-7.40	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			10	NV	4.90	0.0013	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-4.90	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			30	NV	10.10	0.0026	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-5.70	-0.0015	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	50	NV	7.90	0.0021	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-7.90	-0.0021	≥ -2.5 & ≤ 2.5	Pass
				HV	17.30	0.0045	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-6.90	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-5.80	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-4.90	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-5.10	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			10	NV	3.10	0.0008	≥ -2.5 & ≤ 2.5	Pass
			20	NV	1.90	0.0005	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-8.10	-0.0021	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	3840	Outer_Full	40	NV	6.40	0.0017	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-3.10	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-2.60	-0.0007	≥ -2.5 & ≤ 2.5	Pass
				HV	-3.60	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.20	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-4.70	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-3.30	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			0	NV	4.30	0.0011	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.50	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-1.80	-0.0005	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	30	NV	2.60	0.0007	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.20	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			50	NV	3.40	0.0009	≥ -2.5 & ≤ 2.5	Pass
			20	LV	2.30	0.0006	≥ -2.5 & ≤ 2.5	Pass
				HV	4.30	0.0011	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-2.10	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-1.80	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-4.70	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-2.80	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.70	-0.0012	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	20	NV	-3.10	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.30	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-3.10	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-8.80	-0.0023	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-6.70	-0.0017	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.60	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	2.30	0.0006	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-2.00	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	1.20	0.0003	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-7.70	-0.0020	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	10	NV	-2.90	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-6.40	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-4.30	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-2.70	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-4.70	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			20	LV	2.60	0.0007	≥ -2.5 & ≤ 2.5	Pass
				HV	-7.00	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-5.10	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	7.00	0.0018	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-5.30	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			0	NV	5.60	0.0015	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-2.80	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-5.20	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-5.30	-0.0014	≥ -2.5 & ≤ 2.5	Pass

			40	NV	2.80	0.0007	>=-2.5 & <=2.5	Pass
			50	NV	4.60	0.0012	>=-2.5 & <=2.5	Pass

2.1.19 30k_SISO_100MHz

5G NR n77a SCS=30kHz SISO 100MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM QPSK	3840	Outer_Full	20	LV	-3.70	-0.0010	>=-2.5 & <=2.5	Pass
				HV	-6.70	-0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	3.60	0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-6.80	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-2.10	-0.0005	>=-2.5 & <=2.5	Pass
			0	NV	5.20	0.0014	>=-2.5 & <=2.5	Pass
			10	NV	-4.50	-0.0012	>=-2.5 & <=2.5	Pass
			20	NV	2.20	0.0006	>=-2.5 & <=2.5	Pass
			30	NV	-3.70	-0.0010	>=-2.5 & <=2.5	Pass
			40	NV	-5.50	-0.0014	>=-2.5 & <=2.5	Pass
			50	NV	-5.10	-0.0013	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	20	LV	-9.60	-0.0025	>=-2.5 & <=2.5	Pass
				HV	-4.70	-0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	5.90	0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	-1.90	-0.0005	>=-2.5 & <=2.5	Pass
			-10	NV	5.00	0.0013	>=-2.5 & <=2.5	Pass
			0	NV	-1.30	-0.0003	>=-2.5 & <=2.5	Pass
			10	NV	4.60	0.0012	>=-2.5 & <=2.5	Pass
			20	NV	6.40	0.0017	>=-2.5 & <=2.5	Pass
			30	NV	7.80	0.0020	>=-2.5 & <=2.5	Pass
			40	NV	2.60	0.0007	>=-2.5 & <=2.5	Pass
			50	NV	2.30	0.0006	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	20	LV	-10.30	-0.0027	>=-2.5 & <=2.5	Pass
				HV	1.30	0.0003	>=-2.5 & <=2.5	Pass
			-30	NV	-8.10	-0.0021	>=-2.5 & <=2.5	Pass
			-20	NV	-5.10	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-6.10	-0.0016	>=-2.5 & <=2.5	Pass
			0	NV	-3.90	-0.0010	>=-2.5 & <=2.5	Pass
			10	NV	5.80	0.0015	>=-2.5 & <=2.5	Pass
			20	NV	-5.90	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-4.60	-0.0012	>=-2.5 & <=2.5	Pass
			40	NV	1.90	0.0005	>=-2.5 & <=2.5	Pass
			50	NV	-4.00	-0.0010	>=-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	-9.30	-0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	5.30	0.0014	>=-2.5 & <=2.5	Pass
			-20	NV	-7.00	-0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	-3.10	-0.0008	>=-2.5 & <=2.5	Pass
			0	NV	-6.90	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	5.40	0.0014	>=-2.5 & <=2.5	Pass
			20	NV	-2.80	-0.0007	>=-2.5 & <=2.5	Pass
			30	NV	3.20	0.0008	>=-2.5 & <=2.5	Pass
			40	NV	4.30	0.0011	>=-2.5 & <=2.5	Pass
			50	NV	4.60	0.0012	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3840	Outer_Full	20	LV	-8.50	-0.0022	>=-2.5 & <=2.5	Pass
				HV	-4.60	-0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	-4.70	-0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	-2.30	-0.0006	>=-2.5 & <=2.5	Pass
			-10	NV	-3.60	-0.0009	>=-2.5 & <=2.5	Pass

			0	NV	-3.10	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.50	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			20	NV	1.80	0.0005	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-2.70	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-4.00	-0.0010	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-2.20	-0.0006	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	3840	Outer_Full	20	LV	-2.30	-0.0006	≥ -2.5 & ≤ 2.5	Pass
				HV	-4.70	-0.0012	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-6.20	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-2.70	-0.0007	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-8.20	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-5.70	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-4.10	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-5.40	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-8.60	-0.0022	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-6.20	-0.0016	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	3840	Outer_Full	50	NV	-4.90	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-5.40	-0.0014	≥ -2.5 & ≤ 2.5	Pass
				HV	-2.00	-0.0005	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.60	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-4.80	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-5.40	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			0	NV	2.90	0.0008	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-3.40	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-8.80	-0.0023	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-2.70	-0.0007	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	3840	Outer_Full	40	NV	-7.20	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-2.40	-0.0006	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-2.00	-0.0005	≥ -2.5 & ≤ 2.5	Pass
				HV	-3.30	-0.0009	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-7.30	-0.0019	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-6.90	-0.0018	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-6.60	-0.0017	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-4.40	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-5.70	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-6.20	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-3.00	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-6.00	-0.0016	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-6.20	-0.0016	≥ -2.5 & ≤ 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 15k_SISO_50MHz_NTNV

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

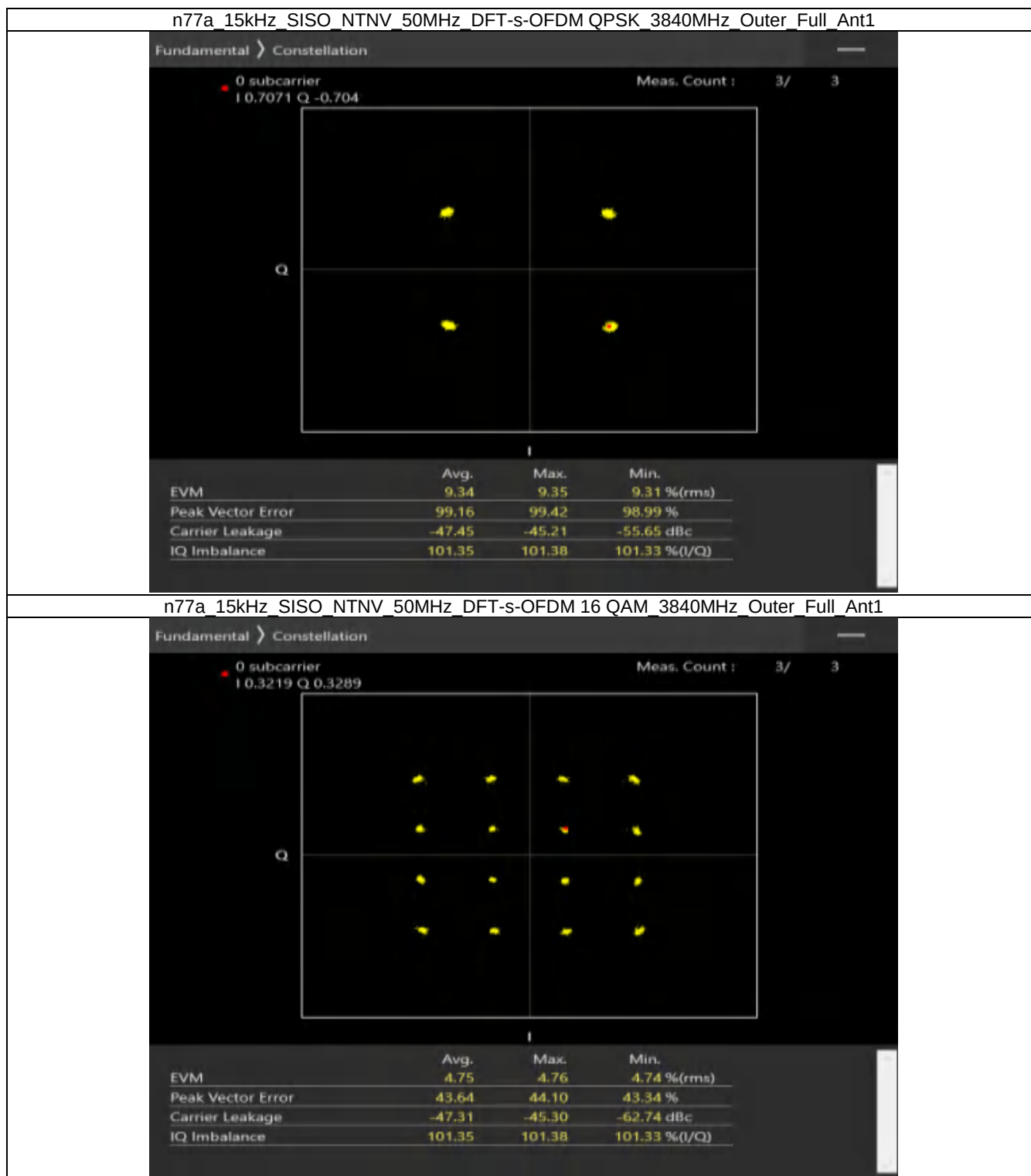
CP-OFDM 64 QAM	3840	Outer_Full	Refer To Test Graph	Pass
CP-OFDM 256 QAM	3840	Outer_Full	Refer To Test Graph	Pass

3.1.2 30k_SISO_100MHz_NTNV

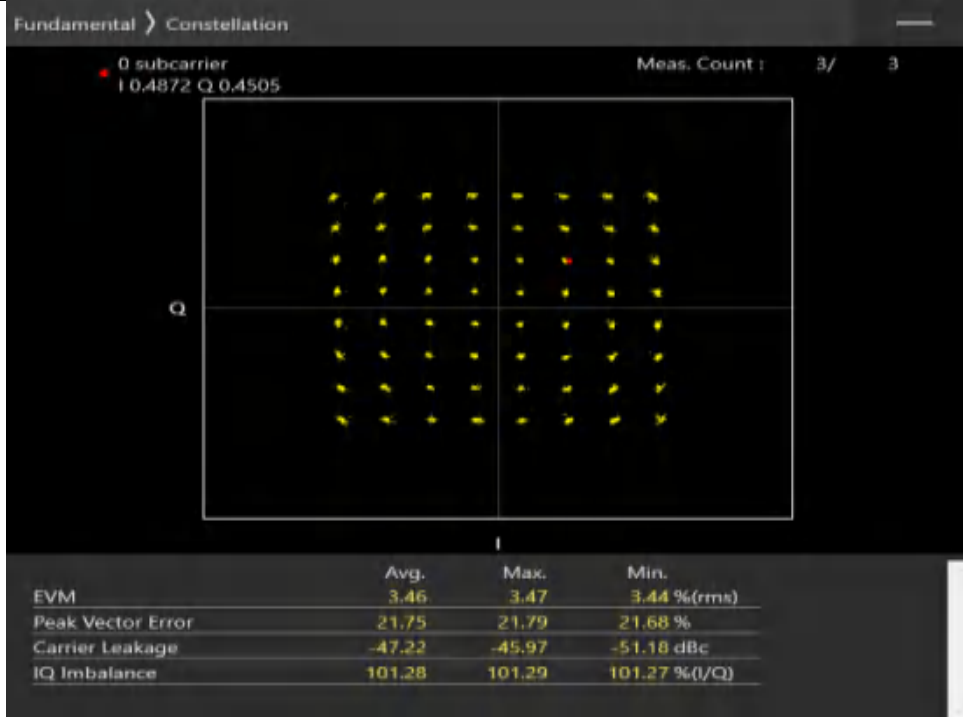
5G NR n77a SCS=30kHz SISO 100MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Modulation Characteristics				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3840	Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full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

3.2 Test Graph

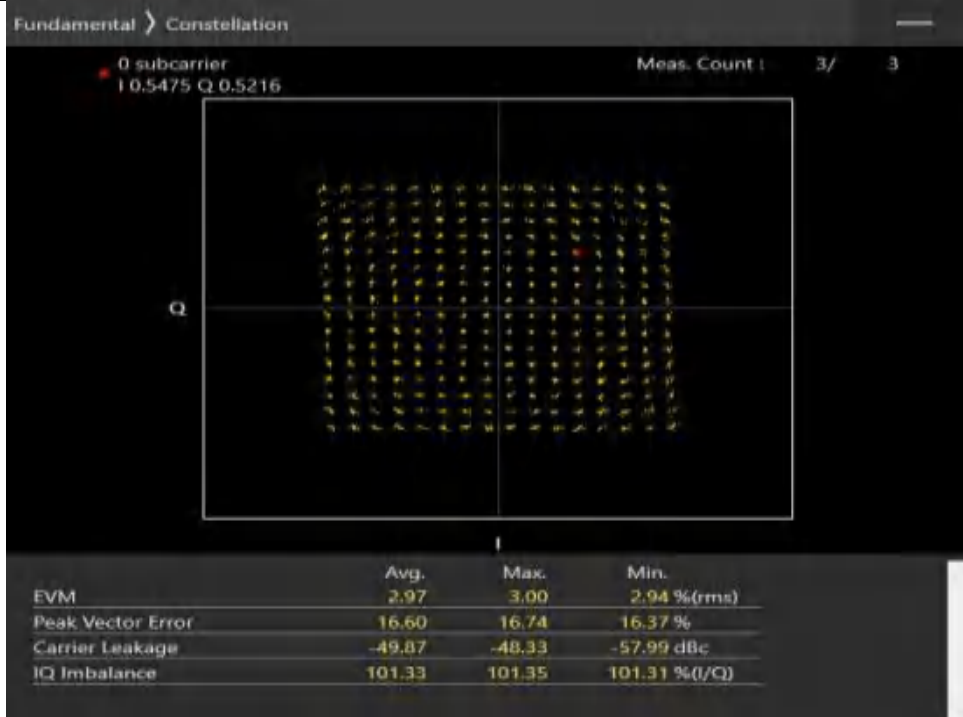
3.2.1 15k_SISO_50MHz_NTNV



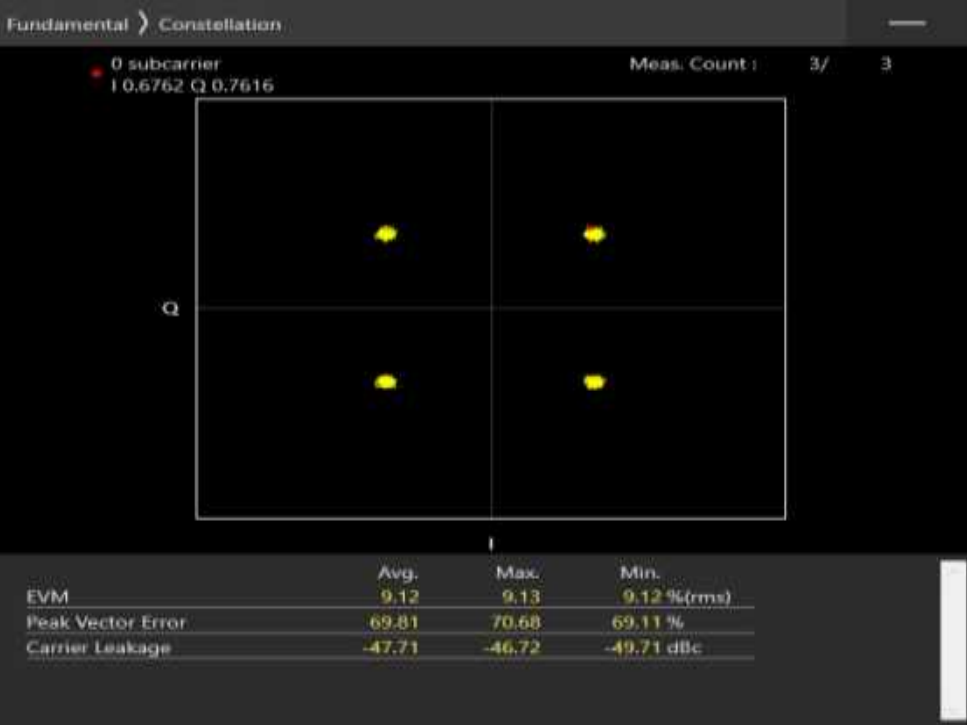
n77a 15kHz SISO NTN 50MHz DFT-s-OFDM 64 QAM 3840MHz Outer Full Ant1



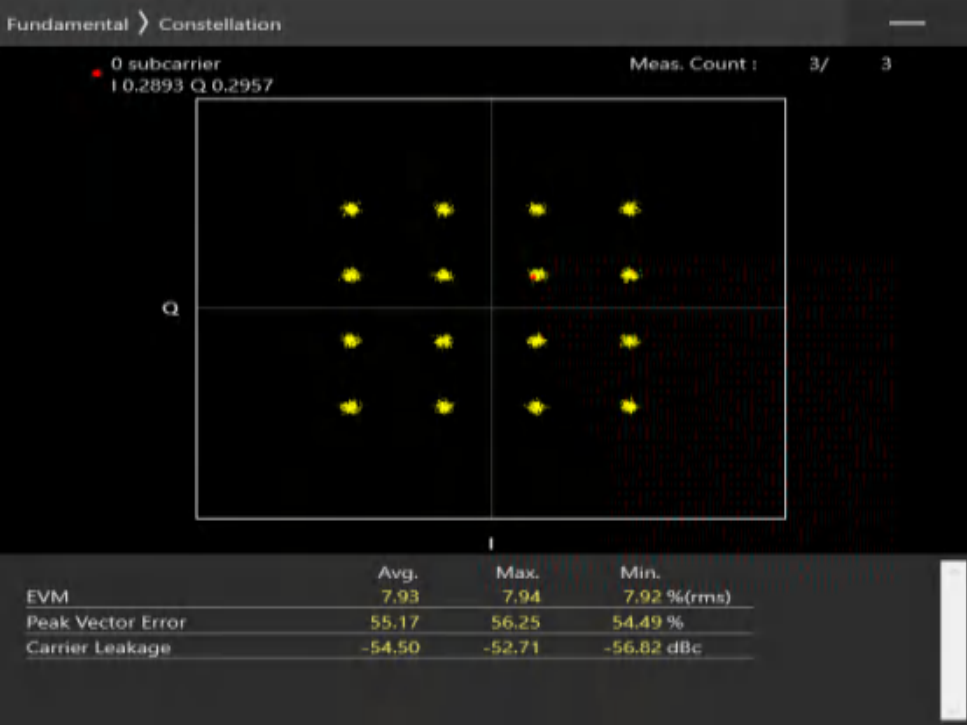
n77a 15kHz SISO NTN 50MHz DFT-s-OFDM 256 QAM 3840MHz Outer Full Ant1



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

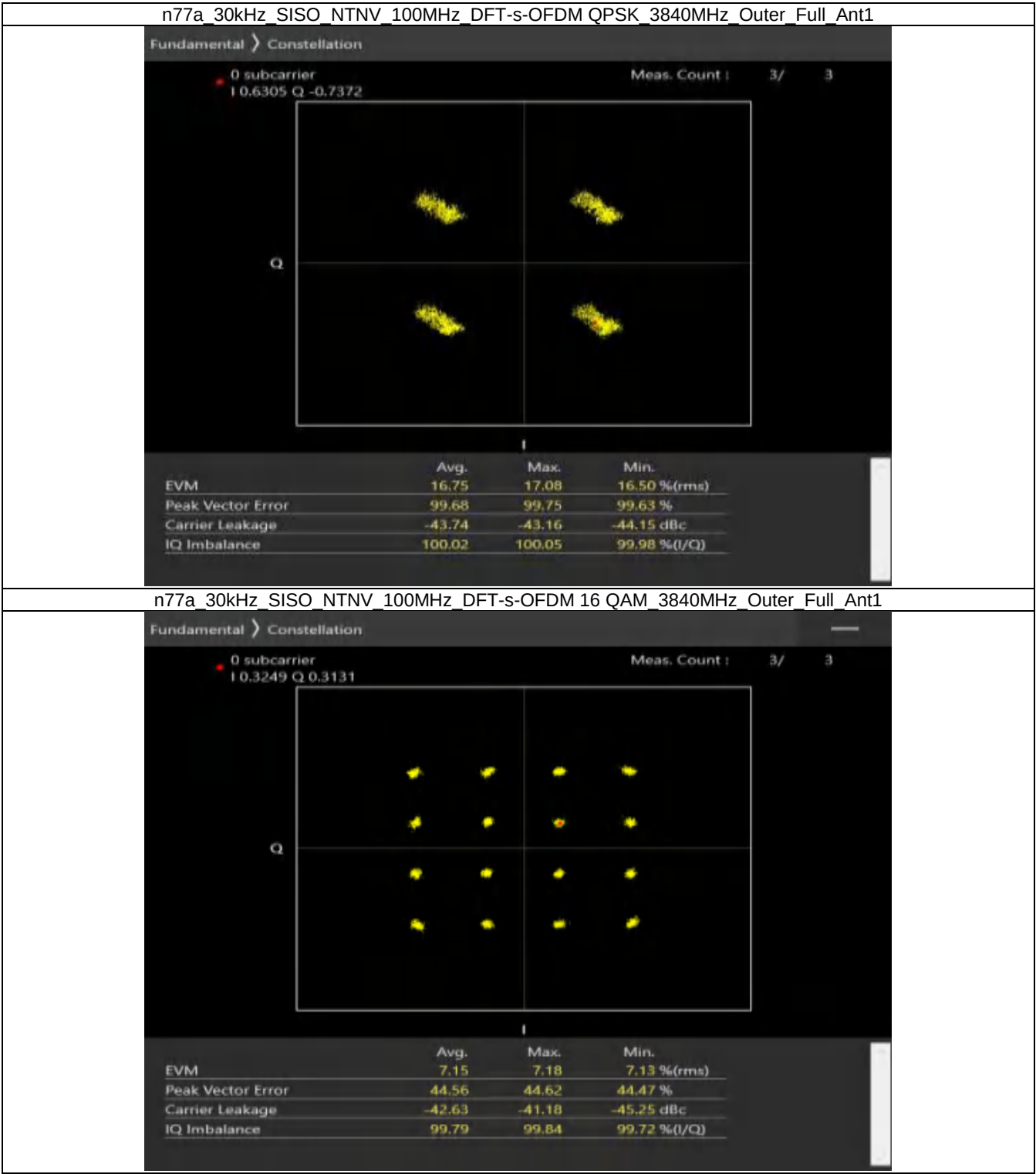


n77a 15kHz SISO NTN 50MHz CP-OFDM 16 QAM 3840MHz Outer Full Ant1

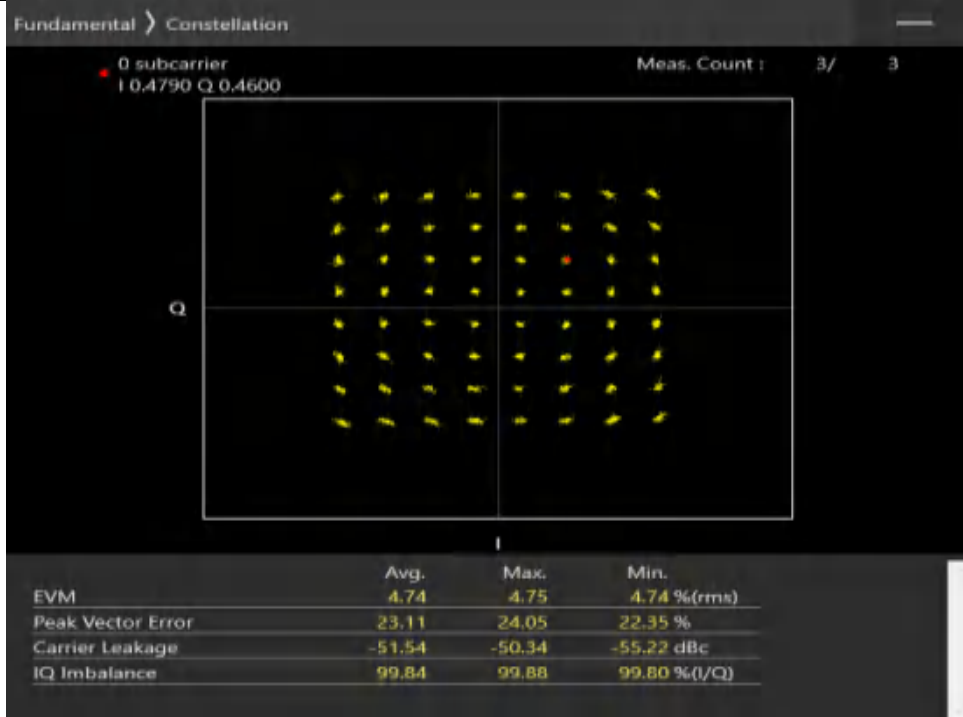


n77a_15kHz_SISO_NTNV_50MHz_CP-OFDM 64 QAM_3840MHz_Outer_Full_Ant1
n77a_15kHz_SISO_NTNV_50MHz_CP-OFDM 256 QAM_3840MHz_Outer_Full_Ant1

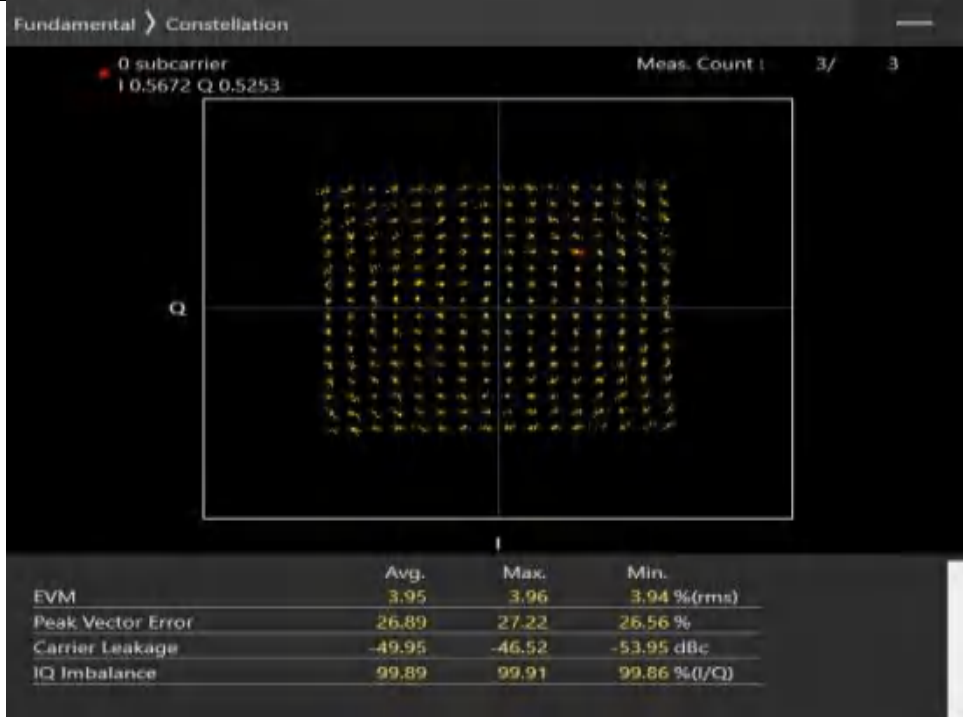
3.2.2 30k_SISO_100MHz_NTNV



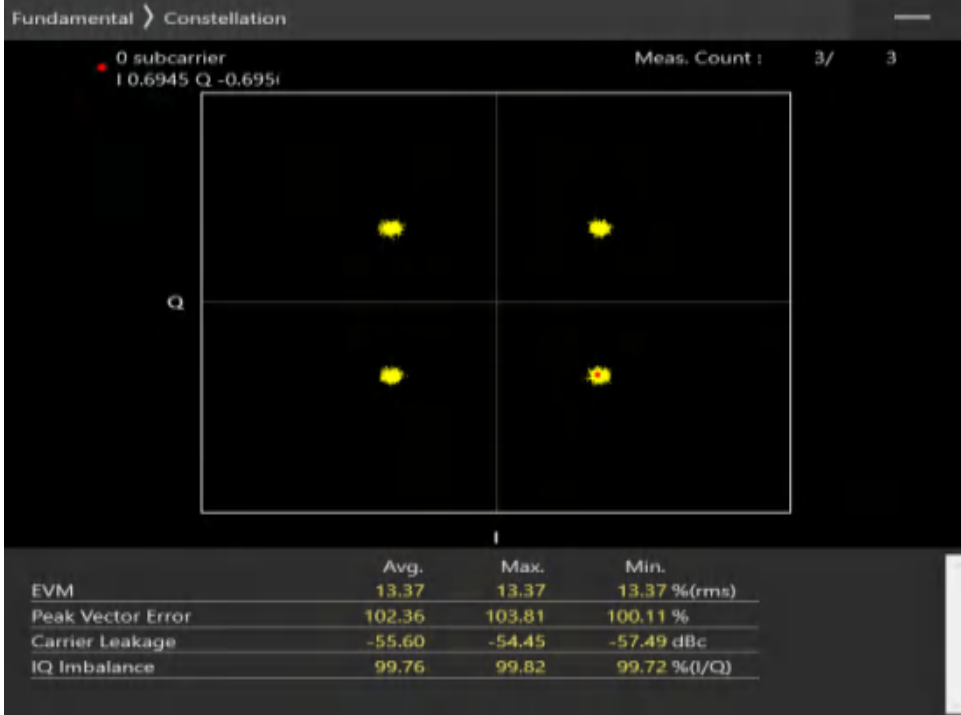
n77a 30kHz SISO NTN 100MHz DFT-s-OFDM 64 QAM 3840MHz Outer Full Ant1



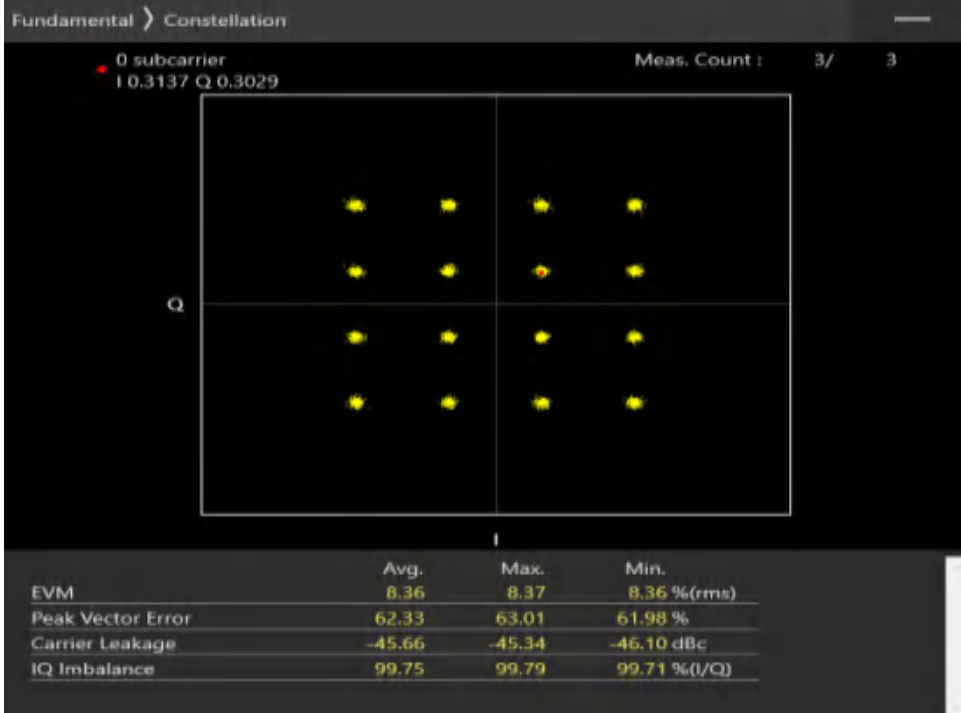
n77a 30kHz SISO NTN 100MHz DFT-s-OFDM 256 QAM 3840MHz Outer Full Ant1



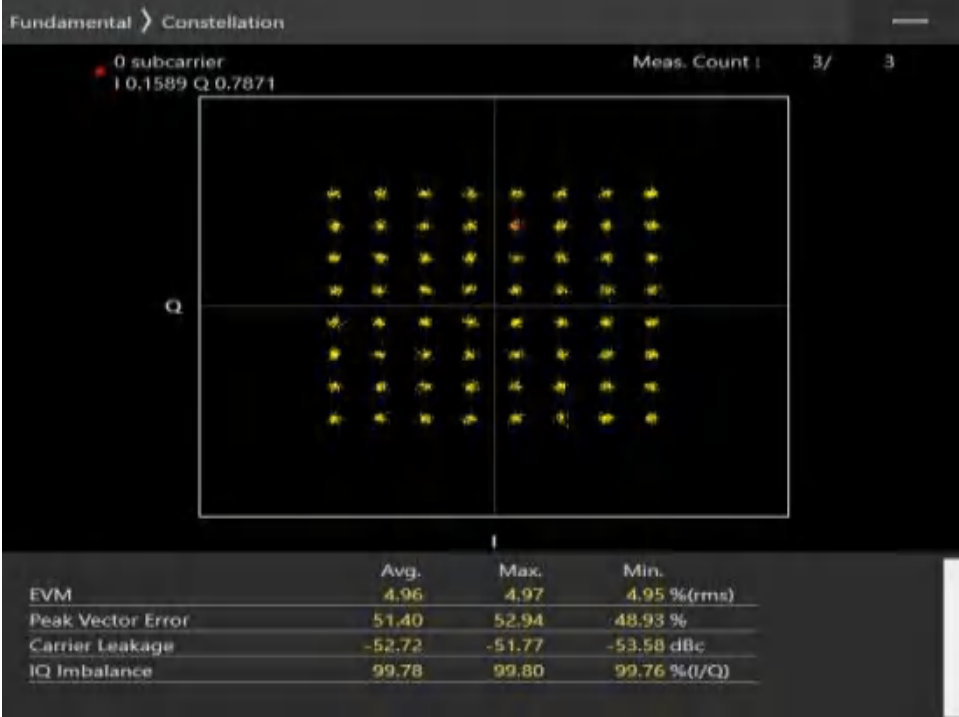
n77a 30kHz SISO NTN 100MHz CP-OFDM QPSK 3840MHz Outer Full Ant1



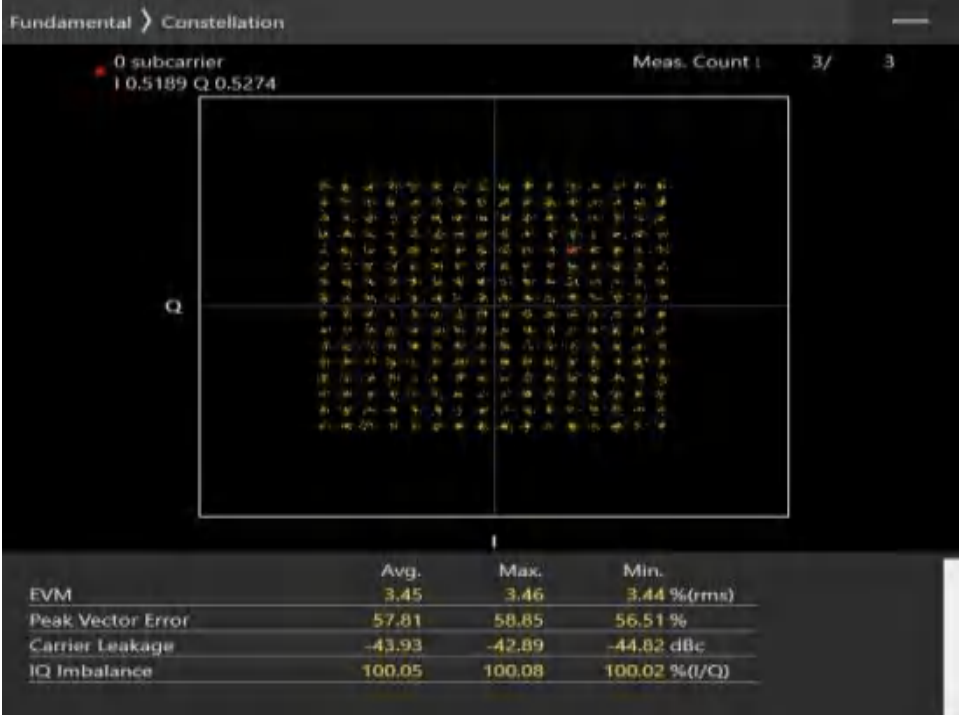
n77a 30kHz SISO NTN 100MHz CP-OFDM 16 QAM 3840MHz Outer Full Ant1



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



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



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 15k_SISO_10MHz_NTNV

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

4.1.2 15k_SISO_15MHz_NTNV

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

	3972.495	Outer_Full	14.30	15.37	/	Pass
CP-OFDM 16 QAM	3707.505	Outer_Full	14.29	20.49	/	Pass
	3840	Outer_Full	14.31	15.31	/	Pass
	3972.495	Outer_Full	14.37	15.44	/	Pass
CP-OFDM 64 QAM	3707.505	Outer_Full	14.32	15.66	/	Pass
	3840	Outer_Full	14.37	15.33	/	Pass
	3972.495	Outer_Full	14.34	15.29	/	Pass
CP-OFDM 256 QAM	3707.505	Outer_Full	14.33	16.12	/	Pass
	3840	Outer_Full	14.30	16.43	/	Pass
	3972.495	Outer_Full	13.67	15.47	/	Pass

4.1.3 15k_SISO_20MHz_NTNV

5G NR n77a SCS=15kHz SISO 20MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	3710.01	Outer_Full	18.13	19.42	/	Pass
	3840	Outer_Full	18.11	19.63	/	Pass
	3969.99	Outer_Full	18.14	20.18	/	Pass
DFT-s-OFDM 16 QAM	3710.01	Outer_Full	18.17	20.79	/	Pass
	3840	Outer_Full	18.21	19.42	/	Pass
	3969.99	Outer_Full	18.20	21.37	/	Pass
DFT-s-OFDM 64 QAM	3710.01	Outer_Full	18.16	21.11	/	Pass
	3840	Outer_Full	18.21	19.88	/	Pass
	3969.99	Outer_Full	18.15	20.56	/	Pass
DFT-s-OFDM 256 QAM	3710.01	Outer_Full	17.78	19.07	/	Pass
	3840	Outer_Full	18.10	19.46	/	Pass
	3969.99	Outer_Full	18.11	19.41	/	Pass
CP-OFDM QPSK	3710.01	Outer_Full	19.21	24.18	/	Pass
	3840	Outer_Full	19.19	23.35	/	Pass
	3969.99	Outer_Full	19.23	22.66	/	Pass
CP-OFDM 16 QAM	3710.01	Outer_Full	19.23	29.63	/	Pass
	3840	Outer_Full	19.15	20.45	/	Pass
	3969.99	Outer_Full	19.19	20.43	/	Pass
CP-OFDM 64 QAM	3710.01	Outer_Full	19.25	27.41	/	Pass
	3840	Outer_Full	19.17	23.57	/	Pass
	3969.99	Outer_Full	19.20	20.57	/	Pass
CP-OFDM 256 QAM	3710.01	Outer_Full	19.17	20.43	/	Pass
	3840	Outer_Full	19.13	20.41	/	Pass
	3969.99	Outer_Full	42.22	35.92	/	Pass

4.1.4 15k_SISO_25MHz_NTNV

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

DFT-s-OFDM 256 QAM	3712.5	Outer_Full	23.06	24.65	/	Pass
	3840	Outer_Full	23.12	24.63	/	Pass
	3967.5	Outer_Full	23.02	24.61	/	Pass
CP-OFDM QPSK	3712.5	Outer_Full	23.96	35.09	/	Pass
	3840	Outer_Full	23.94	29.74	/	Pass
	3967.5	Outer_Full	23.96	28.19	/	Pass
CP-OFDM 16 QAM	3712.5	Outer_Full	24.00	33.19	/	Pass
	3840	Outer_Full	23.88	25.51	/	Pass
	3967.5	Outer_Full	23.98	25.56	/	Pass
CP-OFDM 64 QAM	3712.5	Outer_Full	23.96	29.79	/	Pass
	3840	Outer_Full	23.87	25.61	/	Pass
	3967.5	Outer_Full	23.89	25.52	/	Pass
CP-OFDM 256 QAM	3712.5	Outer_Full	23.79	25.76	/	Pass
	3840	Outer_Full	23.89	25.50	/	Pass
	3967.5	Outer_Full	23.98	25.56	/	Pass

4.1.5 15k_SISO_30MHz_NTNV

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

4.1.6 15k_SISO_40MHz_NTNV

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

	3840	Outer_Full	38.94	41.75	/	Pass
	3960	Outer_Full	39.07	42.76	/	Pass
DFT-s-OFDM 64 QAM	3720	Outer_Full	39.05	41.61	/	Pass
	3840	Outer_Full	39.10	41.41	/	Pass
	3960	Outer_Full	39.29	41.43	/	Pass
DFT-s-OFDM 256 QAM	3720	Outer_Full	39.10	41.51	/	Pass
	3840	Outer_Full	38.99	41.44	/	Pass
	3960	Outer_Full	38.99	41.37	/	Pass
CP-OFDM QPSK	3720	Outer_Full	39.18	52.47	/	Pass
	3840	Outer_Full	38.96	41.42	/	Pass
	3960	Outer_Full	39.00	43.73	/	Pass
CP-OFDM 16 QAM	3720	Outer_Full	39.03	47.88	/	Pass
	3840	Outer_Full	39.03	42.70	/	Pass
	3960	Outer_Full	39.16	42.60	/	Pass
CP-OFDM 64 QAM	3720	Outer_Full	39.09	50.22	/	Pass
	3840	Outer_Full	38.91	41.33	/	Pass
	3960	Outer_Full	39.08	41.42	/	Pass
CP-OFDM 256 QAM	3720	Outer_Full	39.09	41.49	/	Pass
	3840	Outer_Full	38.97	41.45	/	Pass
	3960	Outer_Full	39.09	41.49	/	Pass

4.1.7 15k_SISO_50MHz_NTNV

5G NR n77a SCS=15kHz SISO 50MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	3725.01	Outer_Full	48.65	51.76	/	Pass
	3840	Outer_Full	48.59	51.72	/	Pass
	3954.99	Outer_Full	48.51	51.68	/	Pass
DFT-s-OFDM 16 QAM	3725.01	Outer_Full	48.50	52.66	/	Pass
	3840	Outer_Full	48.38	53.71	/	Pass
	3954.99	Outer_Full	48.52	51.67	/	Pass
DFT-s-OFDM 64 QAM	3725.01	Outer_Full	48.76	51.67	/	Pass
	3840	Outer_Full	48.59	51.78	/	Pass
	3954.99	Outer_Full	48.47	51.70	/	Pass
DFT-s-OFDM 256 QAM	3725.01	Outer_Full	94.69	49.50	/	Pass
	3840	Outer_Full	48.40	51.70	/	Pass
	3954.99	Outer_Full	48.49	52.29	/	Pass
CP-OFDM QPSK	3725.01	Outer_Full	43.90	53.10	/	Pass
	3840	Outer_Full	43.60	46.60	/	Pass
	3954.99	Outer_Full	43.71	48.09	/	Pass
CP-OFDM 16 QAM	3725.01	Outer_Full	43.93	60.93	/	Pass
	3840	Outer_Full	43.63	47.87	/	Pass
	3954.99	Outer_Full	43.83	46.77	/	Pass
CP-OFDM 64 QAM	3725.01	Outer_Full	43.81	51.24	/	Pass
	3840	Outer_Full	43.78	48.64	/	Pass
	3954.99	Outer_Full	43.71	46.77	/	Pass
CP-OFDM 256 QAM	3725.01	Outer_Full	43.82	46.77	/	Pass
	3840	Outer_Full	43.60	46.73	/	Pass
	3954.99	Outer_Full	43.81	51.24	/	Pass

4.1.8 30k_SISO_10MHz_NTNV

5G NR n77a SCS=30kHz SISO 10MHz NTN						
Modulation	Frequency	RB	99% Bandwidth	26dB Bandwidth	Limit	Verdict

	(MHz)	Allocation	(MHz)	(MHz)	(MHz)	
DFT-s-OFDM QPSK	3705	Outer_Full	8.91	9.99	/	Pass
	3840	Outer_Full	8.73	10.32	/	Pass
	3975	Outer_Full	8.69	9.98	/	Pass
DFT-s-OFDM 16 QAM	3705	Outer_Full	8.69	10.87	/	Pass
	3840	Outer_Full	8.70	9.86	/	Pass
	3975	Outer_Full	8.69	10.03	/	Pass
DFT-s-OFDM 64 QAM	3705	Outer_Full	8.91	9.65	/	Pass
	3840	Outer_Full	8.70	9.79	/	Pass
	3975	Outer_Full	8.74	9.80	/	Pass
DFT-s-OFDM 256 QAM	3705	Outer_Full	8.67	10.36	/	Pass
	3840	Outer_Full	8.70	9.66	/	Pass
	3975	Outer_Full	8.68	9.69	/	Pass
CP-OFDM QPSK	3705	Outer_Full	8.81	9.23	/	Pass
	3840	Outer_Full	8.75	9.85	/	Pass
	3975	Outer_Full	8.72	9.74	/	Pass
CP-OFDM 16 QAM	3705	Outer_Full	8.77	12.43	/	Pass
	3840	Outer_Full	8.71	9.78	/	Pass
	3975	Outer_Full	8.71	9.76	/	Pass
CP-OFDM 64 QAM	3705	Outer_Full	8.82	10.14	/	Pass
	3840	Outer_Full	8.71	11.00	/	Pass
	3975	Outer_Full	8.69	11.18	/	Pass
CP-OFDM 256 QAM	3705	Outer_Full	8.69	9.81	/	Pass
	3840	Outer_Full	8.71	9.73	/	Pass
	3975	Outer_Full	8.74	9.68	/	Pass

4.1.9 30k_SISO_15MHz_NTNV

5G NR n77a SCS=30kHz SISO 15MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	3707.52	Outer_Full	13.13	14.82	/	Pass
	3840	Outer_Full	13.11	14.88	/	Pass
	3972.48	Outer_Full	13.16	14.68	/	Pass
DFT-s-OFDM 16 QAM	3707.52	Outer_Full	13.13	14.91	/	Pass
	3840	Outer_Full	13.07	14.58	/	Pass
	3972.48	Outer_Full	13.13	14.60	/	Pass
DFT-s-OFDM 64 QAM	3707.52	Outer_Full	13.17	14.69	/	Pass
	3840	Outer_Full	13.23	14.52	/	Pass
	3972.48	Outer_Full	13.15	14.77	/	Pass
DFT-s-OFDM 256 QAM	3707.52	Outer_Full	13.13	14.50	/	Pass
	3840	Outer_Full	13.12	16.46	/	Pass
	3972.48	Outer_Full	13.11	15.12	/	Pass
CP-OFDM QPSK	3707.52	Outer_Full	13.84	18.31	/	Pass
	3840	Outer_Full	13.78	15.66	/	Pass
	3972.48	Outer_Full	13.76	15.78	/	Pass
CP-OFDM 16 QAM	3707.52	Outer_Full	13.79	18.06	/	Pass
	3840	Outer_Full	13.84	18.47	/	Pass
	3972.48	Outer_Full	13.86	18.41	/	Pass
CP-OFDM 64 QAM	3707.52	Outer_Full	13.85	17.22	/	Pass
	3840	Outer_Full	13.82	16.43	/	Pass
	3972.48	Outer_Full	13.84	16.34	/	Pass
CP-OFDM 256 QAM	3707.52	Outer_Full	13.55	14.44	/	Pass
	3840	Outer_Full	13.84	15.47	/	Pass
	3972.48	Outer_Full	13.80	15.05	/	Pass

4.1.10 30k_SISO_20MHz_NTNV

5G NR n77a SCS=30kHz SISO 20MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	3710.01	Outer_Full	18.25	19.62	/	Pass
	3840	Outer_Full	18.23	19.69	/	Pass
	3969.99	Outer_Full	18.19	19.52	/	Pass
DFT-s-OFDM 16 QAM	3710.01	Outer_Full	18.21	19.74	/	Pass
	3840	Outer_Full	18.16	20.09	/	Pass
	3969.99	Outer_Full	18.15	19.79	/	Pass
DFT-s-OFDM 64 QAM	3710.01	Outer_Full	18.19	19.83	/	Pass
	3840	Outer_Full	18.28	19.72	/	Pass
	3969.99	Outer_Full	18.26	19.76	/	Pass
DFT-s-OFDM 256 QAM	3710.01	Outer_Full	18.20	19.79	/	Pass
	3840	Outer_Full	18.18	19.70	/	Pass
	3969.99	Outer_Full	18.17	19.48	/	Pass
CP-OFDM QPSK	3710.01	Outer_Full	18.56	20.41	/	Pass
	3840	Outer_Full	18.52	21.70	/	Pass
	3969.99	Outer_Full	18.44	21.76	/	Pass
CP-OFDM 16 QAM	3710.01	Outer_Full	18.53	24.33	/	Pass
	3840	Outer_Full	18.43	20.05	/	Pass
	3969.99	Outer_Full	18.48	19.82	/	Pass
CP-OFDM 64 QAM	3710.01	Outer_Full	18.55	19.90	/	Pass
	3840	Outer_Full	18.55	19.95	/	Pass
	3969.99	Outer_Full	18.43	20.00	/	Pass
CP-OFDM 256 QAM	3710.01	Outer_Full	18.44	19.84	/	Pass
	3840	Outer_Full	18.47	19.78	/	Pass
	3969.99	Outer_Full	18.51	20.02	/	Pass

4.1.11 30k_SISO_25MHz_NTNV

5G NR n77a SCS=30kHz SISO 25MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	3712.5	Outer_Full	23.16	24.89	/	Pass
	3840	Outer_Full	23.09	24.78	/	Pass
	3967.5	Outer_Full	23.16	24.86	/	Pass
DFT-s-OFDM 16 QAM	3712.5	Outer_Full	23.20	25.11	/	Pass
	3840	Outer_Full	23.13	24.63	/	Pass
	3967.5	Outer_Full	23.09	24.97	/	Pass
DFT-s-OFDM 64 QAM	3712.5	Outer_Full	23.19	25.07	/	Pass
	3840	Outer_Full	23.15	25.04	/	Pass
	3967.5	Outer_Full	23.21	24.87	/	Pass
DFT-s-OFDM 256 QAM	3712.5	Outer_Full	23.05	24.72	/	Pass
	3840	Outer_Full	23.09	24.71	/	Pass
	3967.5	Outer_Full	23.11	24.77	/	Pass
CP-OFDM QPSK	3712.5	Outer_Full	23.42	26.83	/	Pass
	3840	Outer_Full	23.36	25.24	/	Pass
	3967.5	Outer_Full	23.35	25.06	/	Pass
CP-OFDM 16 QAM	3712.5	Outer_Full	23.59	28.95	/	Pass
	3840	Outer_Full	23.46	26.89	/	Pass
	3967.5	Outer_Full	23.45	25.02	/	Pass
CP-OFDM 64 QAM	3712.5	Outer_Full	23.43	27.00	/	Pass
	3840	Outer_Full	23.53	25.91	/	Pass
	3967.5	Outer_Full	23.43	25.18	/	Pass
CP-OFDM 256 QAM	3712.5	Outer_Full	23.37	26.13	/	Pass

	3840	Outer_Full	23.43	25.03	/	Pass
	3967.5	Outer_Full	23.41	25.46	/	Pass

4.1.12 30k_SISO_30MHz_NTNV

5G NR n77a SCS=30kHz SISO 30MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	3715.02	Outer_Full	27.27	29.78	/	Pass
	3840	Outer_Full	27.17	29.39	/	Pass
	3964.98	Outer_Full	27.31	29.36	/	Pass
DFT-s-OFDM 16 QAM	3715.02	Outer_Full	27.38	29.35	/	Pass
	3840	Outer_Full	27.28	29.32	/	Pass
	3964.98	Outer_Full	27.21	29.27	/	Pass
DFT-s-OFDM 64 QAM	3715.02	Outer_Full	27.30	29.24	/	Pass
	3840	Outer_Full	27.28	29.21	/	Pass
	3964.98	Outer_Full	27.18	29.24	/	Pass
DFT-s-OFDM 256 QAM	3715.02	Outer_Full	27.17	30.38	/	Pass
	3840	Outer_Full	27.31	29.36	/	Pass
	3964.98	Outer_Full	27.28	30.35	/	Pass
CP-OFDM QPSK	3715.02	Outer_Full	28.35	30.24	/	Pass
	3840	Outer_Full	28.26	31.72	/	Pass
	3964.98	Outer_Full	28.20	32.62	/	Pass
CP-OFDM 16 QAM	3715.02	Outer_Full	28.35	30.23	/	Pass
	3840	Outer_Full	28.25	30.01	/	Pass
	3964.98	Outer_Full	28.31	30.08	/	Pass
CP-OFDM 64 QAM	3715.02	Outer_Full	28.27	30.27	/	Pass
	3840	Outer_Full	28.34	29.90	/	Pass
	3964.98	Outer_Full	28.15	30.07	/	Pass
CP-OFDM 256 QAM	3715.02	Outer_Full	28.36	30.04	/	Pass
	3840	Outer_Full	28.13	30.15	/	Pass
	3964.98	Outer_Full	28.14	30.17	/	Pass

4.1.13 30k_SISO_40MHz_NTNV

5G NR n77a SCS=30kHz SISO 40MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	3720	Outer_Full	36.40	39.17	/	Pass
	3840	Outer_Full	36.24	42.78	/	Pass
	3960	Outer_Full	36.22	41.21	/	Pass
DFT-s-OFDM 16 QAM	3720	Outer_Full	36.32	38.61	/	Pass
	3840	Outer_Full	36.22	39.05	/	Pass
	3960	Outer_Full	36.30	41.35	/	Pass
DFT-s-OFDM 64 QAM	3720	Outer_Full	36.18	38.91	/	Pass
	3840	Outer_Full	36.17	39.90	/	Pass
	3960	Outer_Full	36.41	39.08	/	Pass
DFT-s-OFDM 256 QAM	3720	Outer_Full	36.32	38.61	/	Pass
	3840	Outer_Full	36.21	38.91	/	Pass
	3960	Outer_Full	36.36	38.75	/	Pass
CP-OFDM QPSK	3720	Outer_Full	38.35	47.54	/	Pass
	3840	Outer_Full	38.32	44.49	/	Pass
	3960	Outer_Full	38.34	40.69	/	Pass
CP-OFDM 16 QAM	3720	Outer_Full	38.44	42.63	/	Pass
	3840	Outer_Full	38.21	40.85	/	Pass

	3960	Outer_Full	38.32	40.93	/	Pass
CP-OFDM 64 QAM	3720	Outer_Full	38.31	43.56	/	Pass
	3840	Outer_Full	38.34	49.16	/	Pass
	3960	Outer_Full	38.40	42.16	/	Pass
CP-OFDM 256 QAM	3720	Outer_Full	38.30	46.91	/	Pass
	3840	Outer_Full	38.25	45.98	/	Pass
	3960	Outer_Full	38.28	40.77	/	Pass

4.1.14 30k_SISO_50MHz_NTNV

5G NR n77a SCS=30kHz SISO 50MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	3725.01	Outer_Full	46.06	49.29	/	Pass
	3840	Outer_Full	46.27	49.32	/	Pass
	3954.99	Outer_Full	46.16	49.55	/	Pass
DFT-s-OFDM 16 QAM	3725.01	Outer_Full	46.23	50.87	/	Pass
	3840	Outer_Full	46.03	50.30	/	Pass
	3954.99	Outer_Full	46.06	49.42	/	Pass
DFT-s-OFDM 64 QAM	3725.01	Outer_Full	46.31	49.52	/	Pass
	3840	Outer_Full	45.95	50.36	/	Pass
	3954.99	Outer_Full	46.05	50.35	/	Pass
DFT-s-OFDM 256 QAM	3725.01	Outer_Full	46.22	49.36	/	Pass
	3840	Outer_Full	48.33	50.78	/	Pass
	3954.99	Outer_Full	46.17	51.60	/	Pass
CP-OFDM QPSK	3725.01	Outer_Full	47.83	51.56	/	Pass
	3840	Outer_Full	47.97	57.84	/	Pass
	3954.99	Outer_Full	47.79	52.10	/	Pass
CP-OFDM 16 QAM	3725.01	Outer_Full	47.98	54.71	/	Pass
	3840	Outer_Full	48.33	50.78	/	Pass
	3954.99	Outer_Full	47.83	51.03	/	Pass
CP-OFDM 64 QAM	3725.01	Outer_Full	47.93	52.73	/	Pass
	3840	Outer_Full	47.84	51.97	/	Pass
	3954.99	Outer_Full	47.77	51.06	/	Pass
CP-OFDM 256 QAM	3725.01	Outer_Full	47.85	51.21	/	Pass
	3840	Outer_Full	47.67	50.91	/	Pass
	3954.99	Outer_Full	47.77	51.02	/	Pass

4.1.15 30k_SISO_60MHz_NTNV

5G NR n77a SCS=30kHz SISO 60MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	3730.02	Outer_Full	58.36	62.93	/	Pass
	3840	Outer_Full	58.38	62.16	/	Pass
	3949.98	Outer_Full	58.43	62.32	/	Pass
DFT-s-OFDM 16 QAM	3730.02	Outer_Full	58.33	62.35	/	Pass
	3840	Outer_Full	58.29	62.49	/	Pass
	3949.98	Outer_Full	58.72	62.15	/	Pass
DFT-s-OFDM 64 QAM	3730.02	Outer_Full	58.53	62.20	/	Pass
	3840	Outer_Full	58.51	62.31	/	Pass
	3949.98	Outer_Full	58.31	62.67	/	Pass
DFT-s-OFDM 256 QAM	3730.02	Outer_Full	58.42	63.10	/	Pass
	3840	Outer_Full	58.29	62.49	/	Pass
	3949.98	Outer_Full	58.23	62.13	/	Pass

CP-OFDM QPSK	3730.02	Outer_Full	58.36	62.46	/	Pass
	3840	Outer_Full	58.35	66.90	/	Pass
	3949.98	Outer_Full	58.32	67.61	/	Pass
CP-OFDM 16 QAM	3730.02	Outer_Full	58.47	62.46	/	Pass
	3840	Outer_Full	58.12	62.03	/	Pass
	3949.98	Outer_Full	58.30	62.26	/	Pass
CP-OFDM 64 QAM	3730.02	Outer_Full	58.68	62.73	/	Pass
	3840	Outer_Full	58.44	62.28	/	Pass
	3949.98	Outer_Full	58.28	62.26	/	Pass
CP-OFDM 256 QAM	3730.02	Outer_Full	58.36	62.28	/	Pass
	3840	Outer_Full	58.19	66.83	/	Pass
	3949.98	Outer_Full	58.39	62.97	/	Pass

4.1.16 30k_SISO_70MHz_NTNV

5G NR n77a SCS=30kHz SISO 70MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	3735	Outer_Full	65.26	69.89	/	Pass
	3840	Outer_Full	65.22	69.81	/	Pass
	3945	Outer_Full	65.15	69.66	/	Pass
DFT-s-OFDM 16 QAM	3735	Outer_Full	65.36	73.78	/	Pass
	3840	Outer_Full	65.10	70.42	/	Pass
	3945	Outer_Full	65.15	69.68	/	Pass
DFT-s-OFDM 64 QAM	3735	Outer_Full	65.18	69.63	/	Pass
	3840	Outer_Full	64.79	69.75	/	Pass
	3945	Outer_Full	65.25	69.92	/	Pass
DFT-s-OFDM 256 QAM	3735	Outer_Full	65.17	69.75	/	Pass
	3840	Outer_Full	65.04	69.68	/	Pass
	3945	Outer_Full	65.08	69.81	/	Pass
CP-OFDM QPSK	3735	Outer_Full	68.56	73.11	/	Pass
	3840	Outer_Full	68.56	73.06	/	Pass
	3945	Outer_Full	68.62	72.64	/	Pass
CP-OFDM 16 QAM	3735	Outer_Full	68.51	79.51	/	Pass
	3840	Outer_Full	68.28	75.99	/	Pass
	3945	Outer_Full	68.35	76.20	/	Pass
CP-OFDM 64 QAM	3735	Outer_Full	68.61	73.09	/	Pass
	3840	Outer_Full	68.72	72.92	/	Pass
	3945	Outer_Full	68.41	75.64	/	Pass
CP-OFDM 256 QAM	3735	Outer_Full	68.29	74.63	/	Pass
	3840	Outer_Full	68.36	72.93	/	Pass
	3945	Outer_Full	68.50	73.03	/	Pass

4.1.17 30k_SISO_80MHz_NTNV

5G NR n77a SCS=30kHz SISO 80MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	3740.01	Outer_Full	78.09	82.89	/	Pass
	3840	Outer_Full	77.84	83.06	/	Pass
	3939.99	Outer_Full	77.72	83.88	/	Pass
DFT-s-OFDM 16 QAM	3740.01	Outer_Full	77.85	86.13	/	Pass
	3840	Outer_Full	77.69	83.03	/	Pass
	3939.99	Outer_Full	77.82	86.46	/	Pass
DFT-s-OFDM 64 QAM	3740.01	Outer_Full	78.05	83.00	/	Pass

DFT-s-OFDM 256 QAM	3840	Outer_Full	77.96	83.12	/	Pass
	3939.99	Outer_Full	78.07	84.46	/	Pass
	3740.01	Outer_Full	77.89	83.54	/	Pass
	3840	Outer_Full	77.54	83.17	/	Pass
	3939.99	Outer_Full	77.75	82.81	/	Pass
CP-OFDM QPSK	3740.01	Outer_Full	78.26	83.51	/	Pass
	3840	Outer_Full	78.18	83.54	/	Pass
	3939.99	Outer_Full	78.10	83.84	/	Pass
CP-OFDM 16 QAM	3740.01	Outer_Full	78.27	83.51	/	Pass
	3840	Outer_Full	78.09	83.41	/	Pass
	3939.99	Outer_Full	78.32	83.22	/	Pass
CP-OFDM 64 QAM	3740.01	Outer_Full	78.33	83.41	/	Pass
	3840	Outer_Full	78.23	85.26	/	Pass
	3939.99	Outer_Full	78.18	83.54	/	Pass
CP-OFDM 256 QAM	3740.01	Outer_Full	78.09	83.41	/	Pass
	3840	Outer_Full	78.02	83.28	/	Pass
	3939.99	Outer_Full	78.25	83.19	/	Pass

4.1.18 30k_SISO_90MHz_NTNV

5G NR n77a SCS=30kHz SISO 90MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	3745.02	Outer_Full	87.40	93.35	/	Pass
	3840	Outer_Full	87.14	93.12	/	Pass
	3934.98	Outer_Full	87.48	93.27	/	Pass
DFT-s-OFDM 16 QAM	3745.02	Outer_Full	87.23	94.59	/	Pass
	3840	Outer_Full	87.02	92.77	/	Pass
	3934.98	Outer_Full	87.53	93.34	/	Pass
DFT-s-OFDM 64 QAM	3745.02	Outer_Full	87.34	93.36	/	Pass
	3840	Outer_Full	87.06	99.94	/	Pass
	3934.98	Outer_Full	87.57	93.23	/	Pass
DFT-s-OFDM 256 QAM	3745.02	Outer_Full	87.28	95.71	/	Pass
	3840	Outer_Full	87.19	97.03	/	Pass
	3934.98	Outer_Full	87.24	98.68	/	Pass
CP-OFDM QPSK	3745.02	Outer_Full	88.21	97.41	/	Pass
	3840	Outer_Full	87.71	93.77	/	Pass
	3934.98	Outer_Full	88.35	93.70	/	Pass
CP-OFDM 16 QAM	3745.02	Outer_Full	88.47	93.74	/	Pass
	3840	Outer_Full	87.65	93.72	/	Pass
	3934.98	Outer_Full	88.05	93.89	/	Pass
CP-OFDM 64 QAM	3745.02	Outer_Full	88.39	94.10	/	Pass
	3840	Outer_Full	87.69	93.73	/	Pass
	3934.98	Outer_Full	88.09	97.29	/	Pass
CP-OFDM 256 QAM	3745.02	Outer_Full	88.11	96.96	/	Pass
	3840	Outer_Full	87.62	93.81	/	Pass
	3934.98	Outer_Full	87.98	93.84	/	Pass

4.1.19 30k_SISO_100MHz_NTNV

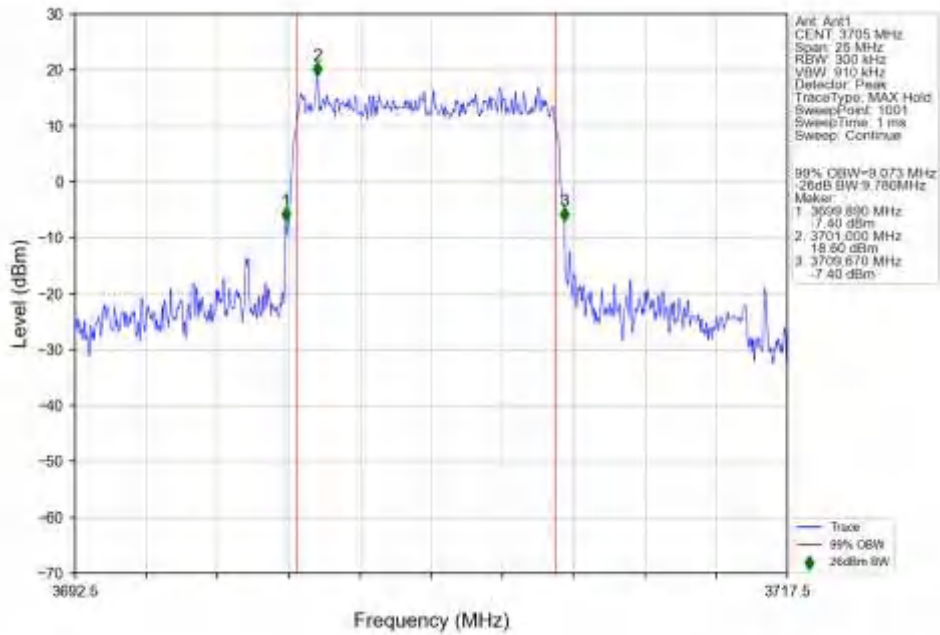
5G NR n77a SCS=30kHz SISO 100MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM QPSK	3750	Outer_Full	97.15	103.90	/	Pass
	3840	Outer_Full	96.64	105.00	/	Pass

	3930	Outer Full	96.97	107.09	/	Pass
DFT-s-OFDM 16 QAM	3750	Outer Full	96.91	103.54	/	Pass
	3840	Outer Full	96.30	103.34	/	Pass
	3930	Outer Full	97.08	103.49	/	Pass
DFT-s-OFDM 64 QAM	3750	Outer Full	97.21	103.59	/	Pass
	3840	Outer Full	96.59	103.56	/	Pass
	3930	Outer Full	97.13	108.08	/	Pass
DFT-s-OFDM 256 QAM	3750	Outer Full	97.02	109.70	/	Pass
	3840	Outer Full	98.13	104.77	/	Pass
	3930	Outer Full	96.92	105.73	/	Pass
CP-OFDM QPSK	3750	Outer Full	98.01	105.60	/	Pass
	3840	Outer Full	97.53	104.28	/	Pass
	3930	Outer Full	98.05	107.83	/	Pass
CP-OFDM 16 QAM	3750	Outer Full	98.27	104.49	/	Pass
	3840	Outer Full	97.43	104.38	/	Pass
	3930	Outer Full	98.13	104.50	/	Pass
CP-OFDM 64 QAM	3750	Outer Full	98.45	104.69	/	Pass
	3840	Outer Full	97.46	104.31	/	Pass
	3930	Outer Full	97.84	104.76	/	Pass
CP-OFDM 256 QAM	3750	Outer Full	98.13	104.77	/	Pass
	3840	Outer Full	97.39	104.25	/	Pass
	3930	Outer Full	97.83	105.97	/	Pass

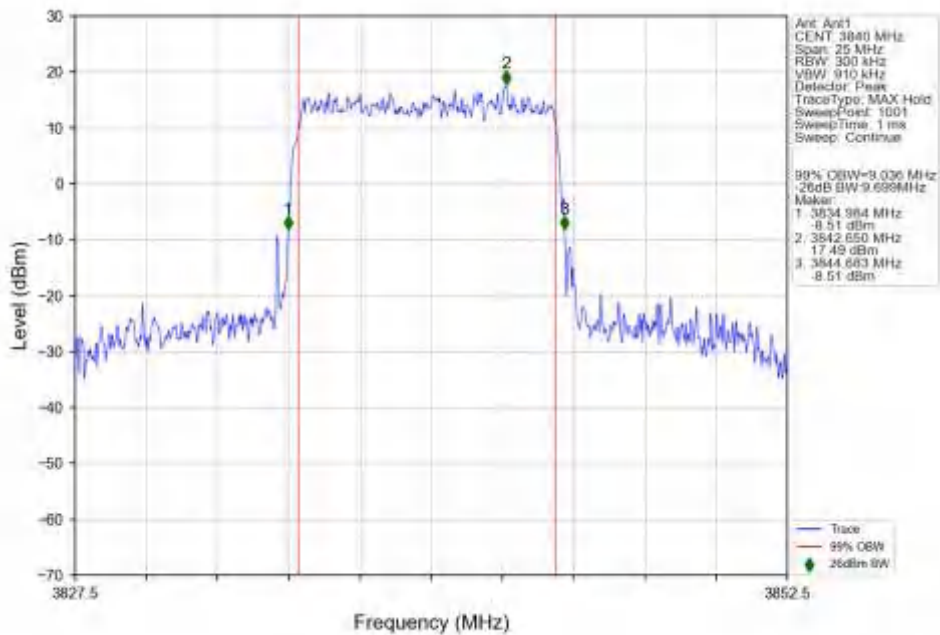
4.2 Test Graph

4.2.1 15k_SISO_10MHz_NTNV

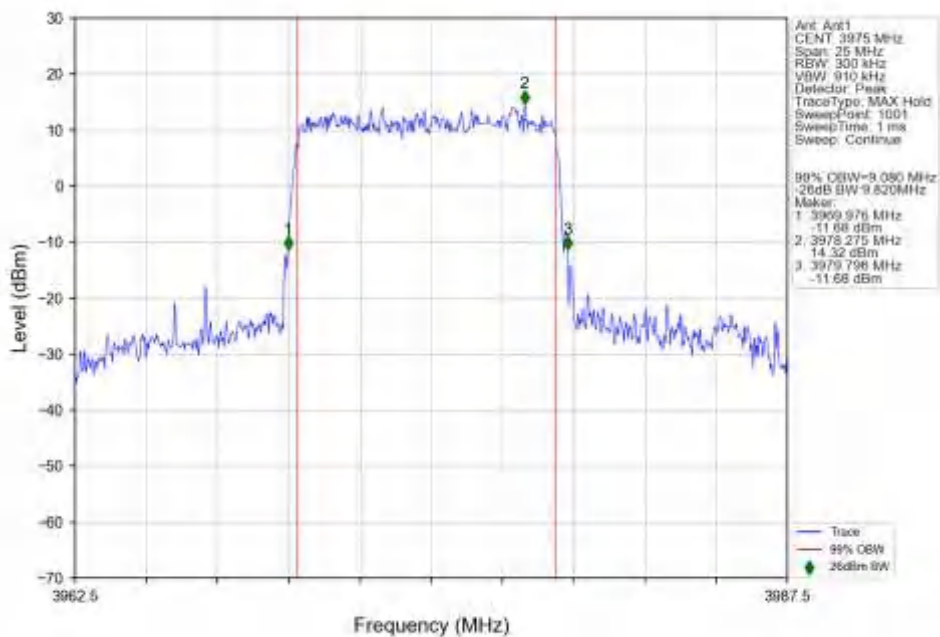
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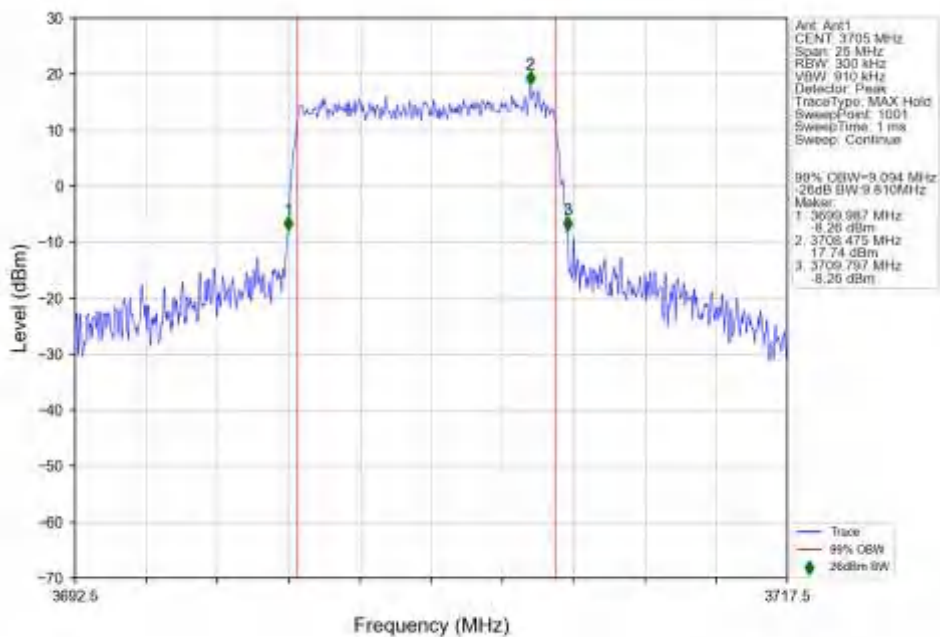
n77a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3840MHz_Outer_Full_Ant1



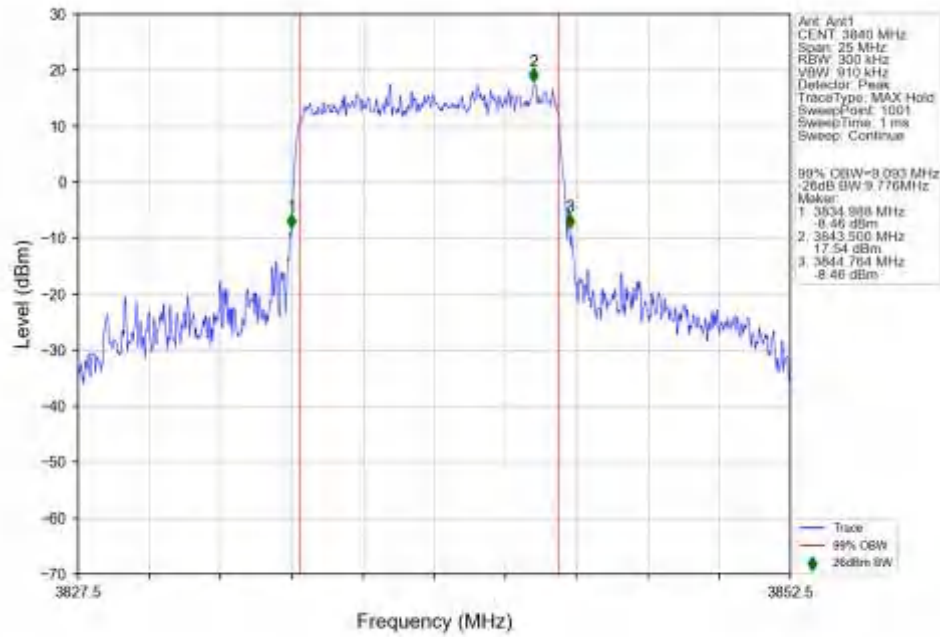
n77a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3975MHz_Outer_Full_Ant1



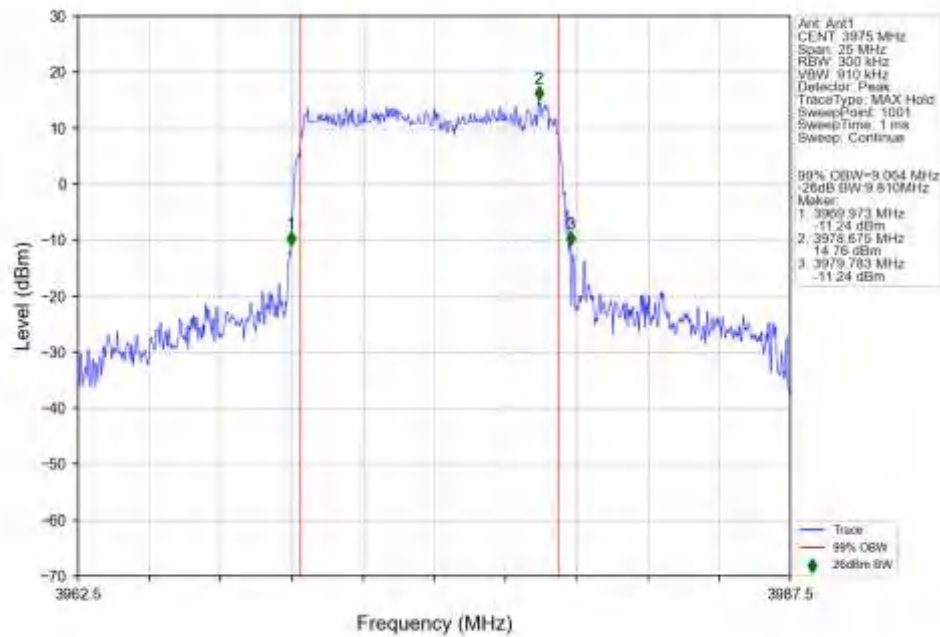
n77a_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_3705MHz_Outer_Full_Ant1



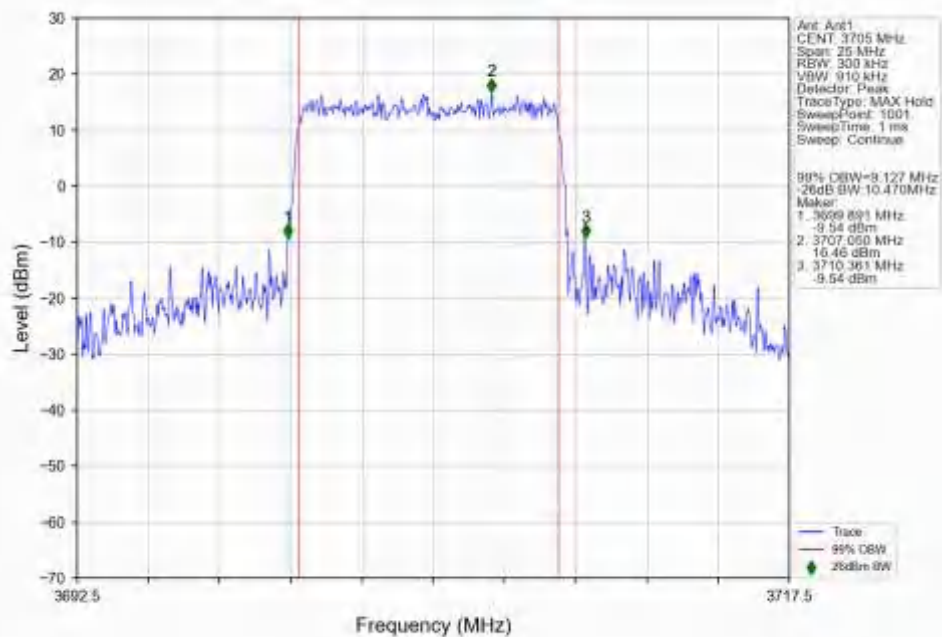
n77a 15kHz SISO NTN 10MHz DFT-s-OFDM 16 QAM 3840MHz Outer Full Ant1



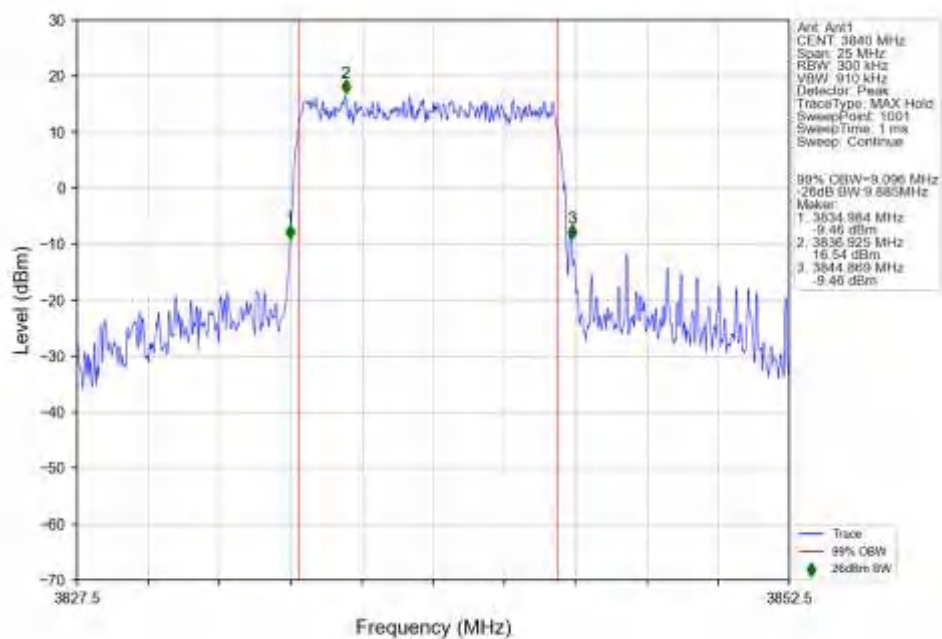
n77a 15kHz SISO NTN 10MHz DFT-s-OFDM 16 QAM 3975MHz Outer Full Ant1



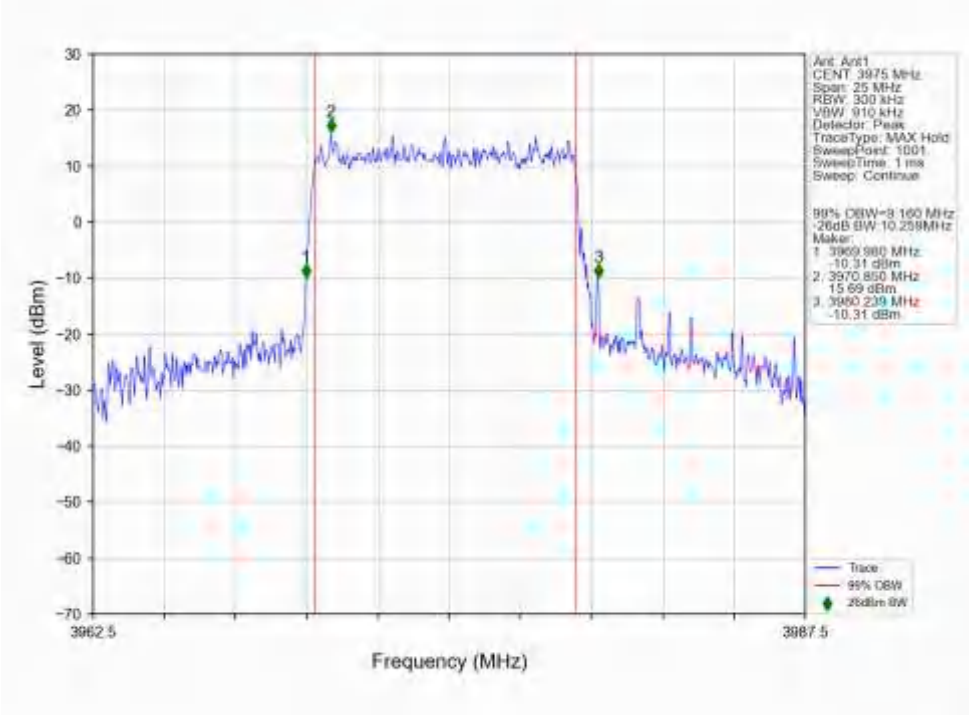
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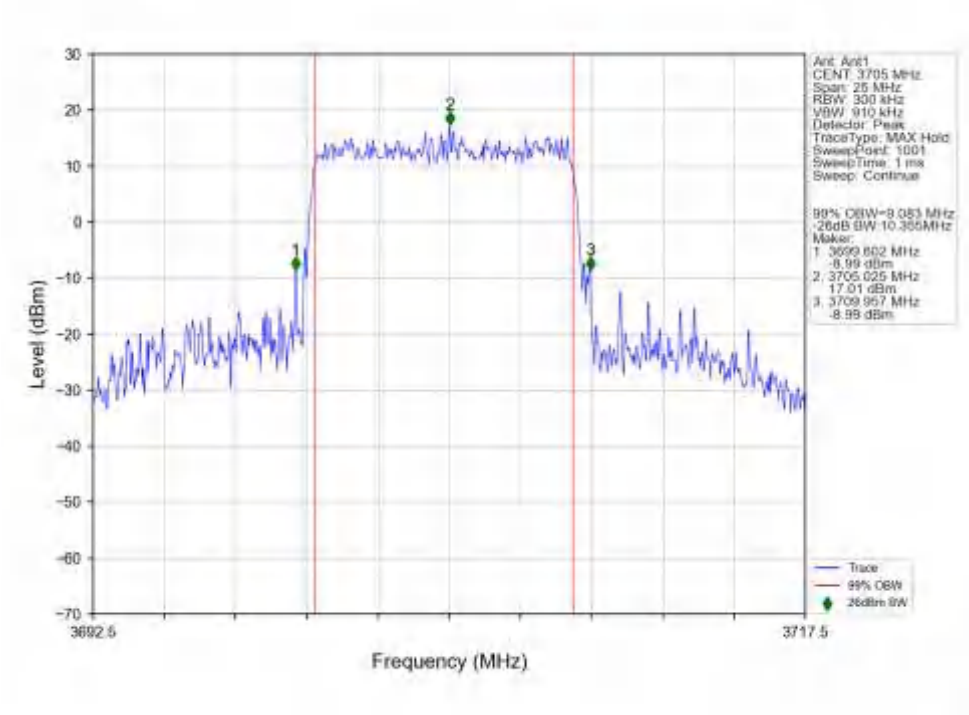
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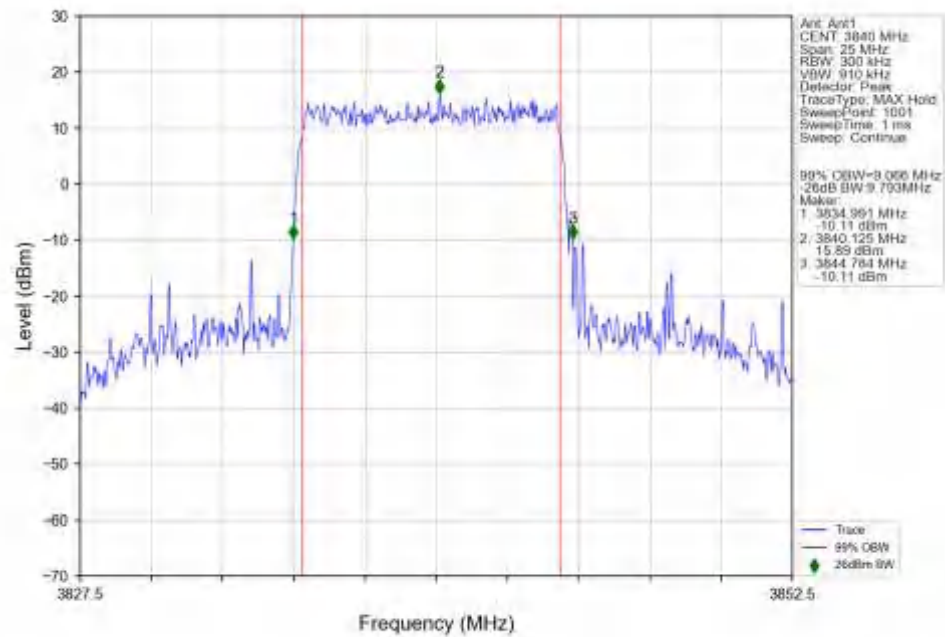
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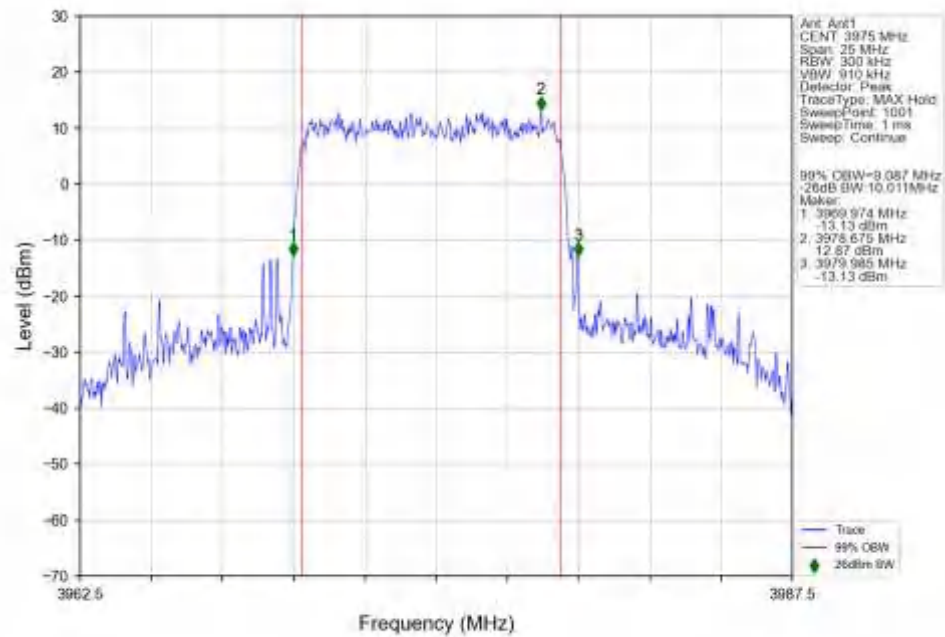
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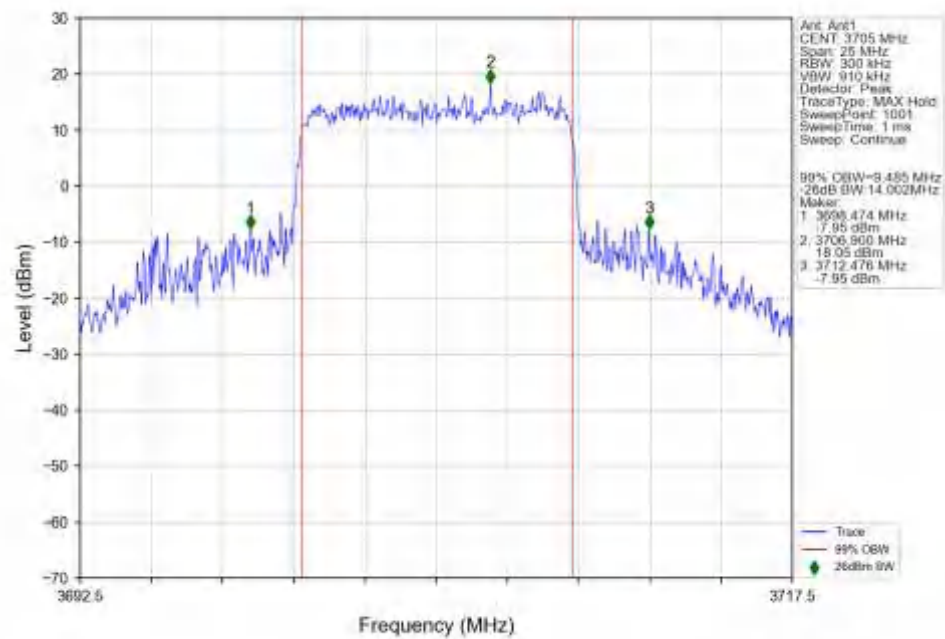
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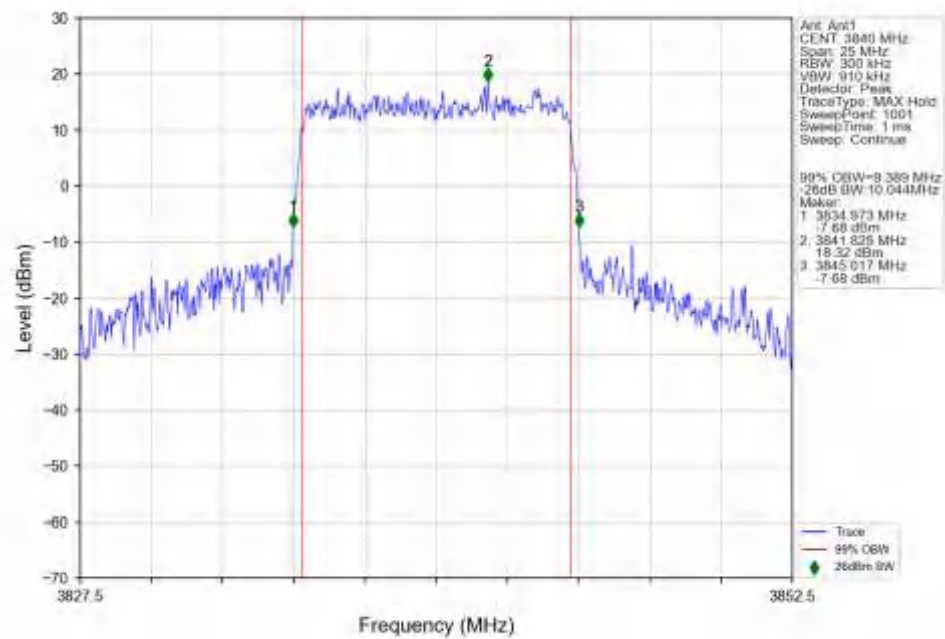
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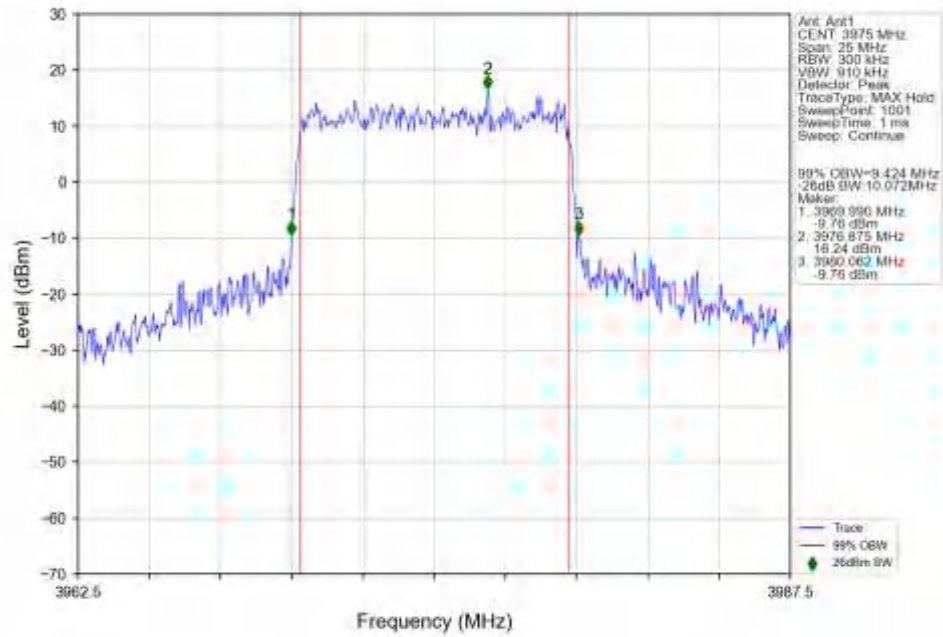
n77a_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3705MHz_Outer_Full_Ant1



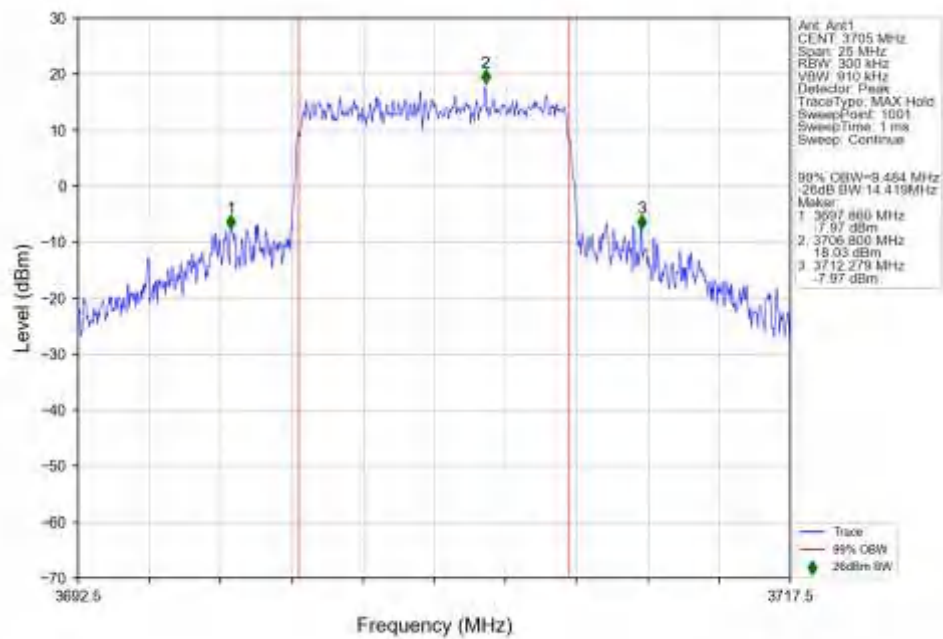
n77a_15kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3840MHz_Outer_Full_Ant1



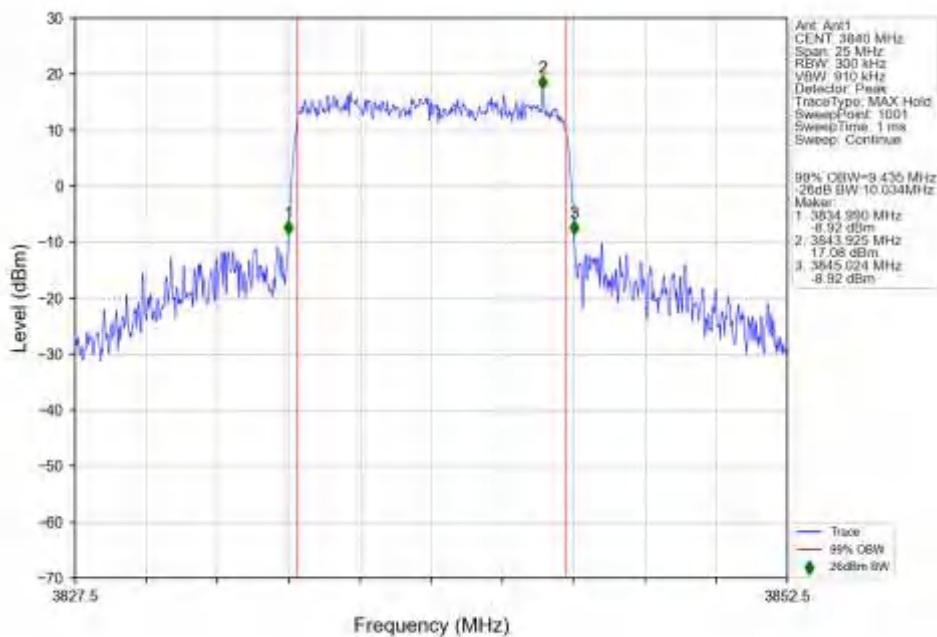
n77a 15kHz SISO NTN 10MHz CP-OFDM QPSK 3975MHz Outer Full Ant1



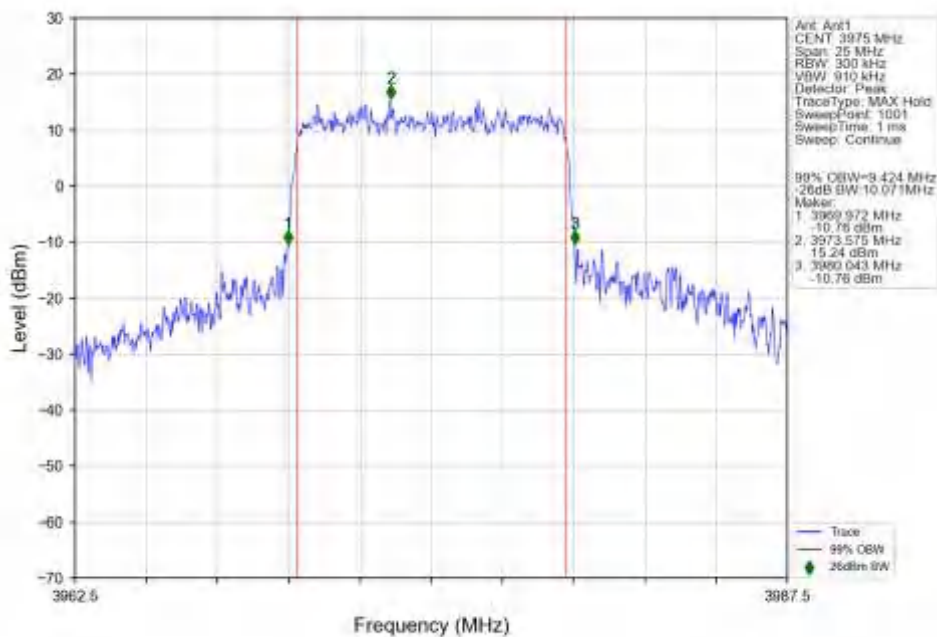
n77a 15kHz SISO NTN 10MHz CP-OFDM 16 QAM 3705MHz Outer Full Ant1



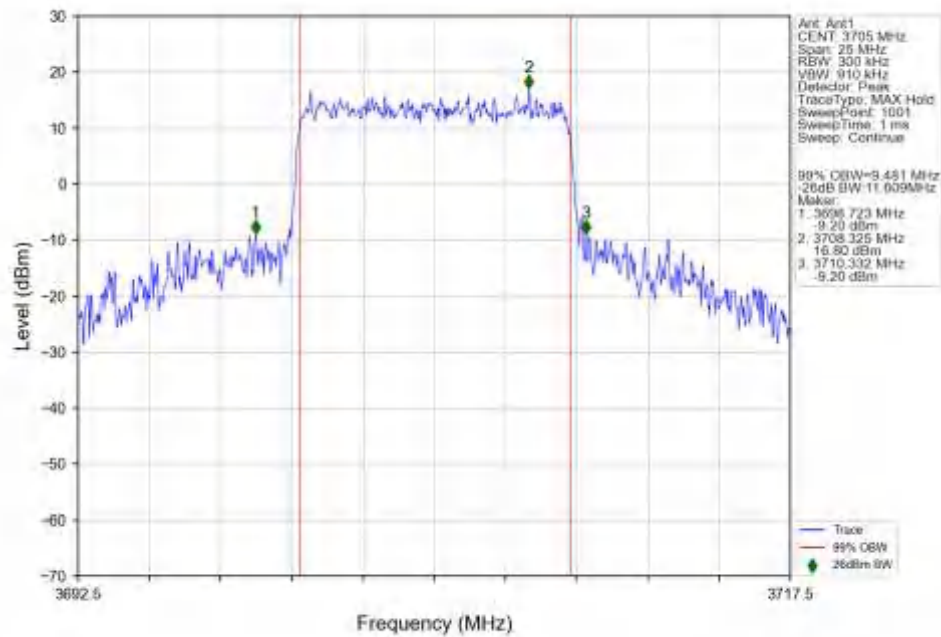
n77a 15kHz SISO NTN 10MHz CP-OFDM 16 QAM 3840MHz Outer Full Ant1



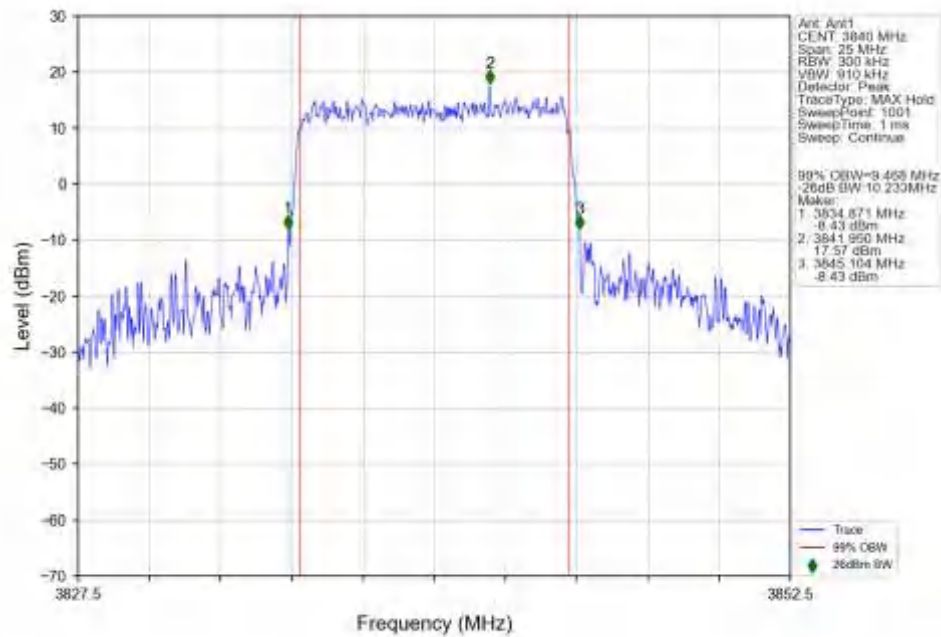
n77a 15kHz SISO NTN 10MHz CP-OFDM 16 QAM 3975MHz Outer Full Ant1



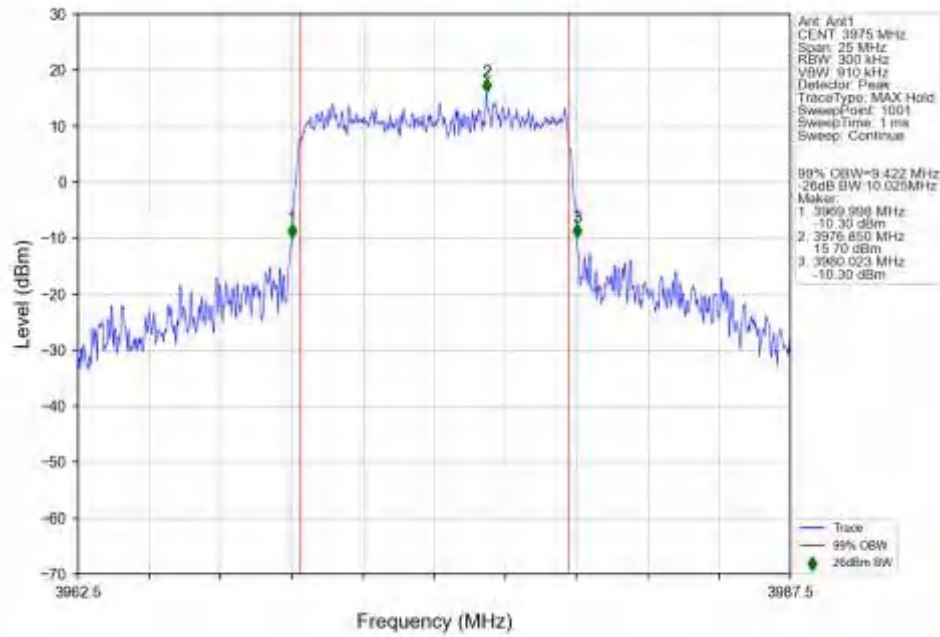
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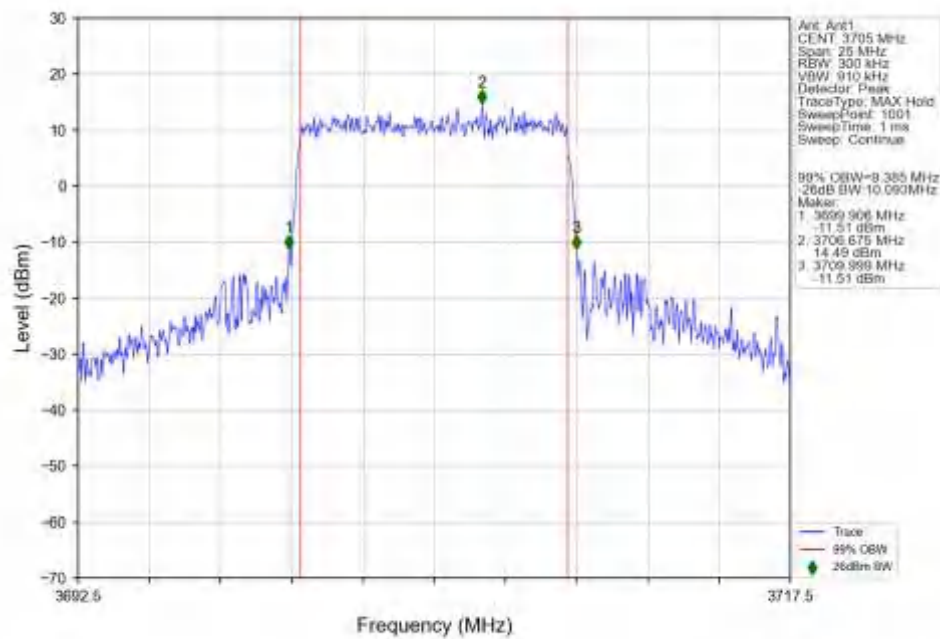
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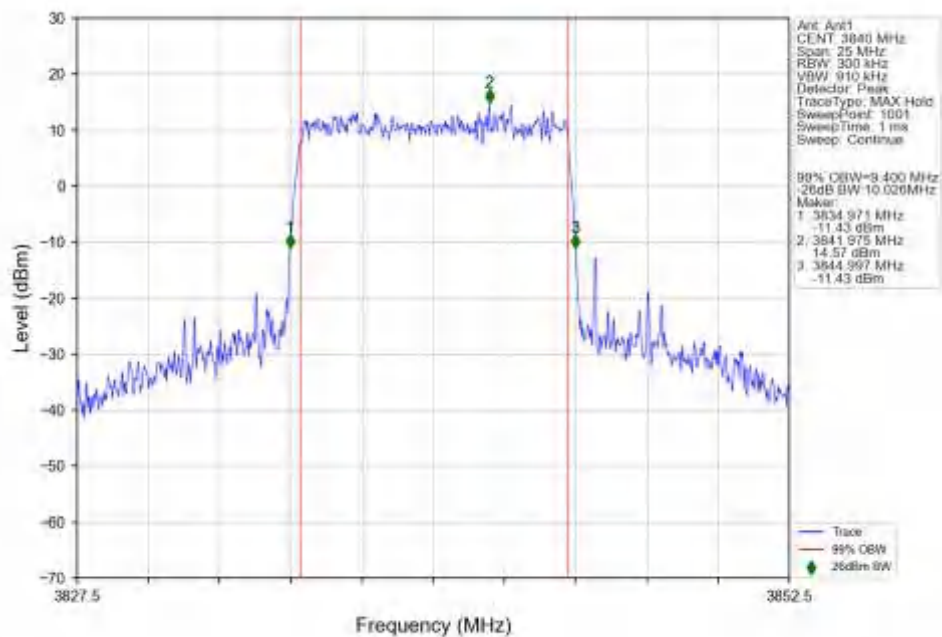
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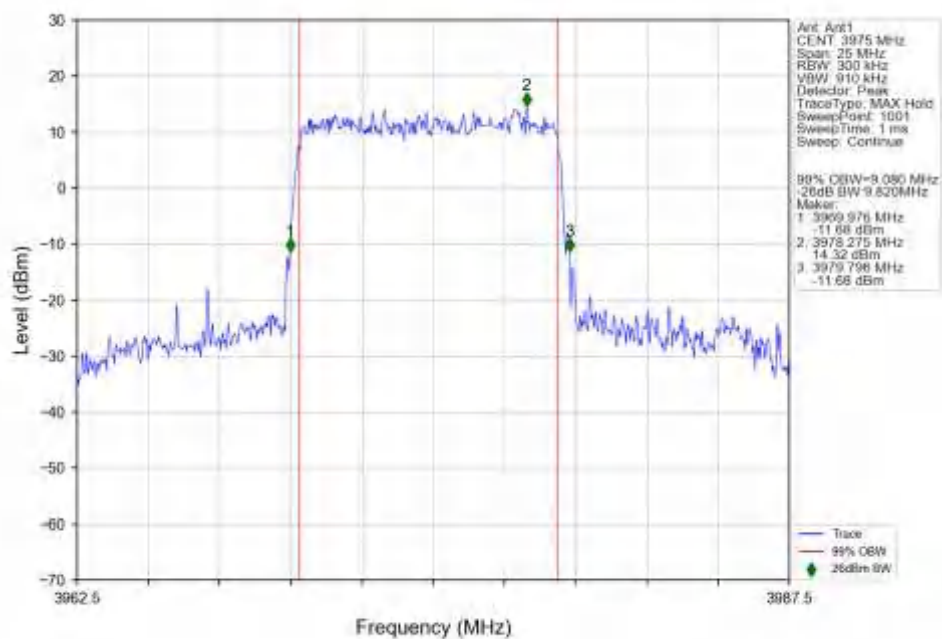
n77a_15kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_3705MHz_Outer_Full_Ant1



n77a_15kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_3840MHz_Outer_Full_Ant1

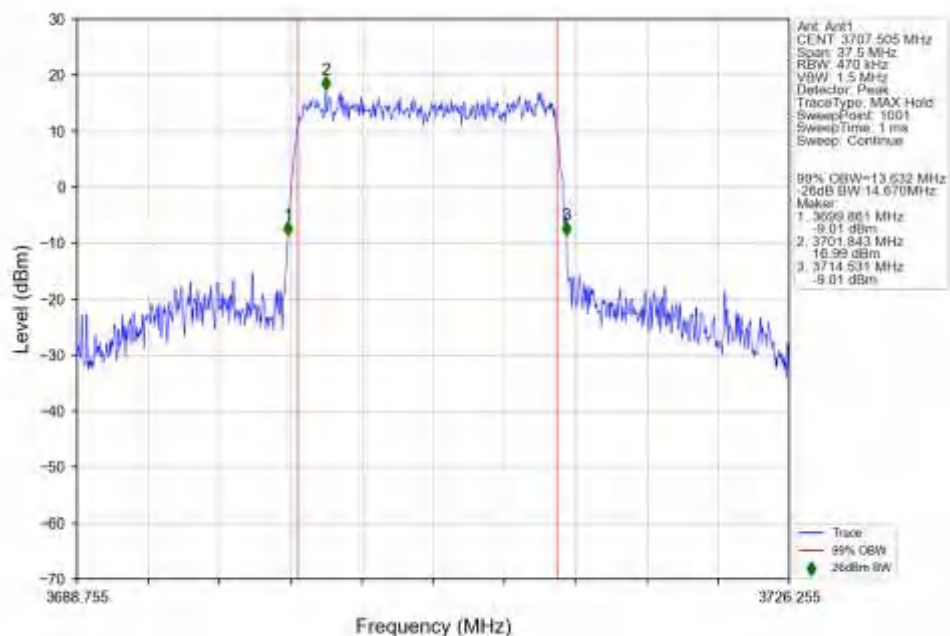


n77a_15kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_3975MHz_Outer_Full_Ant1

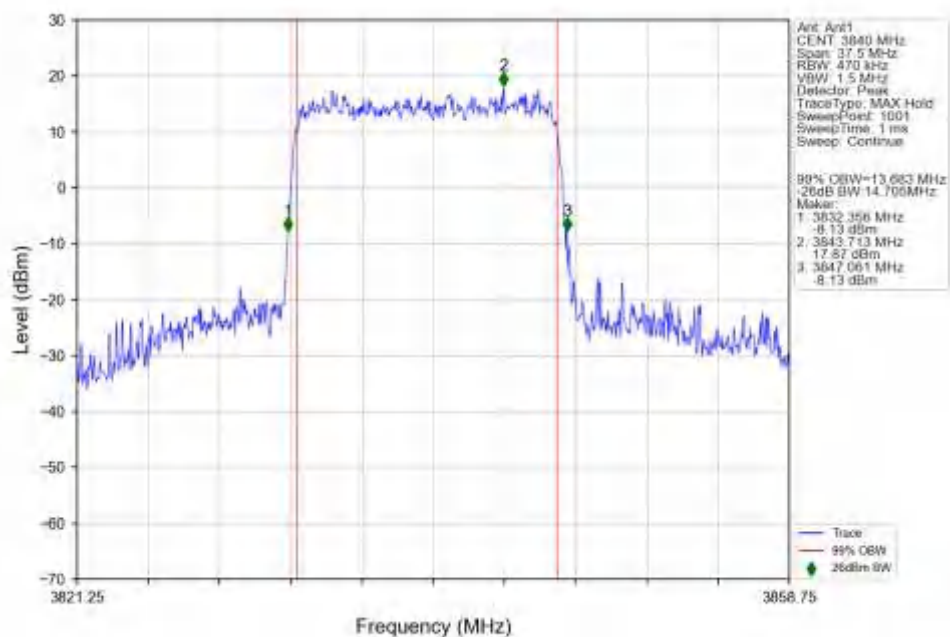


4.2.2 15k_SISO_15MHz_NTNV

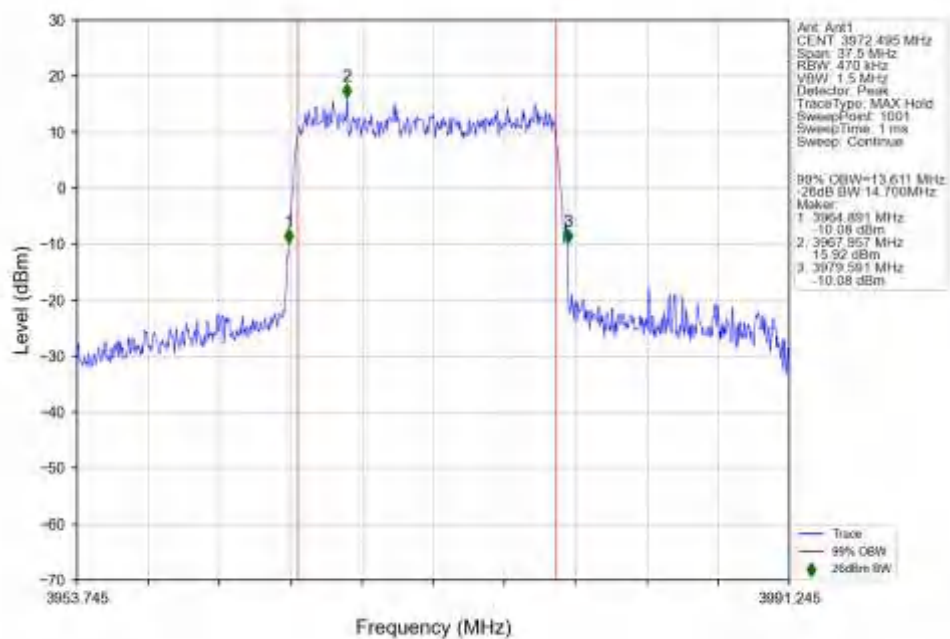
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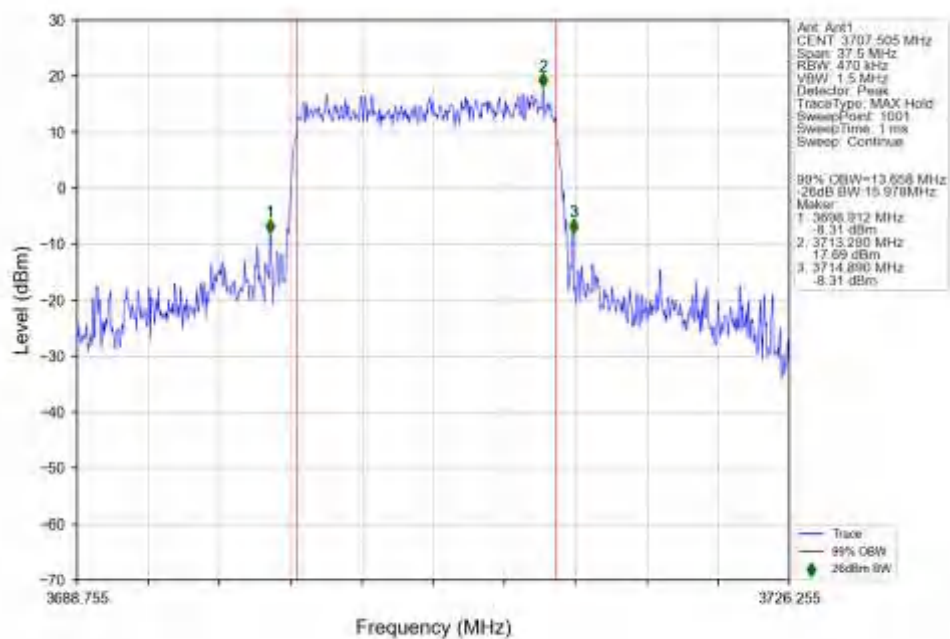
n77a_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_3840MHz_Outer_Full_Ant1



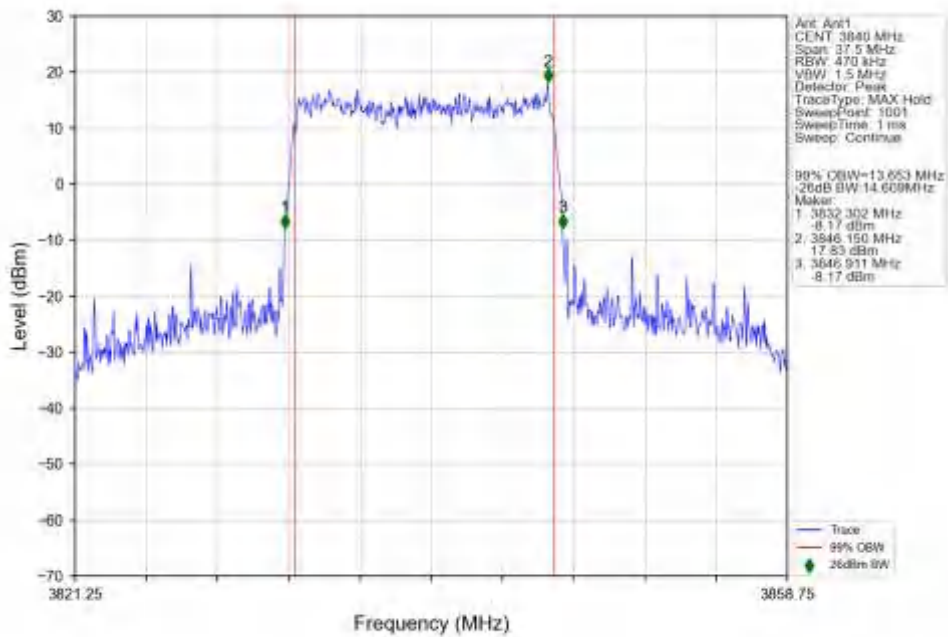
n77a_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM_QPSK_3972.495MHz_Outer_Full_Ant1



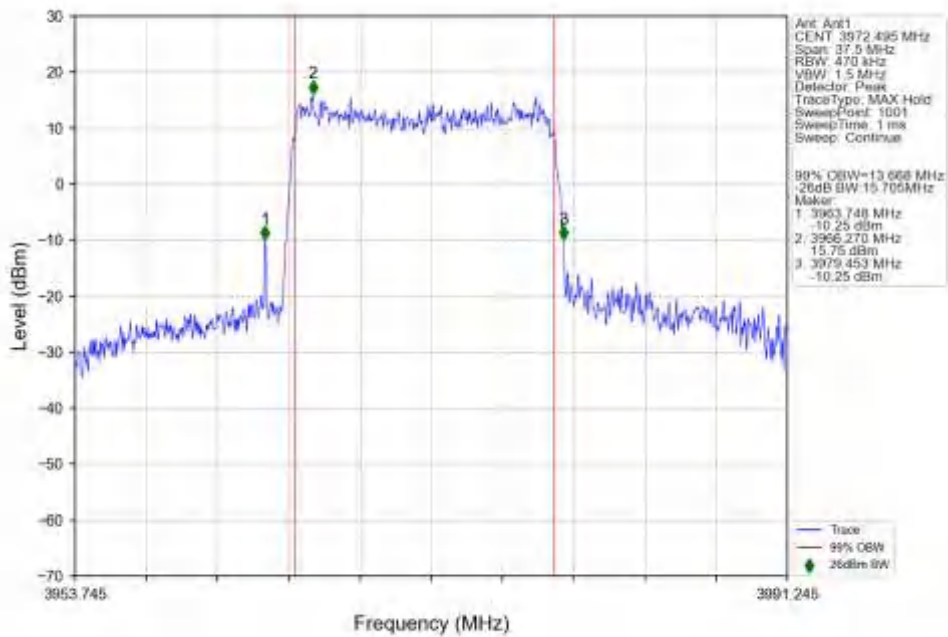
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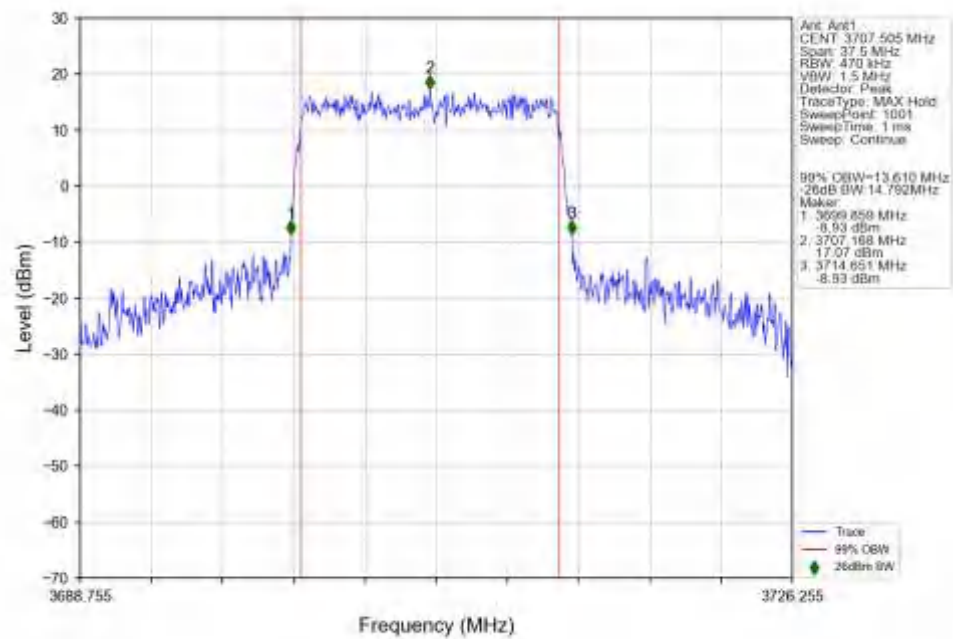
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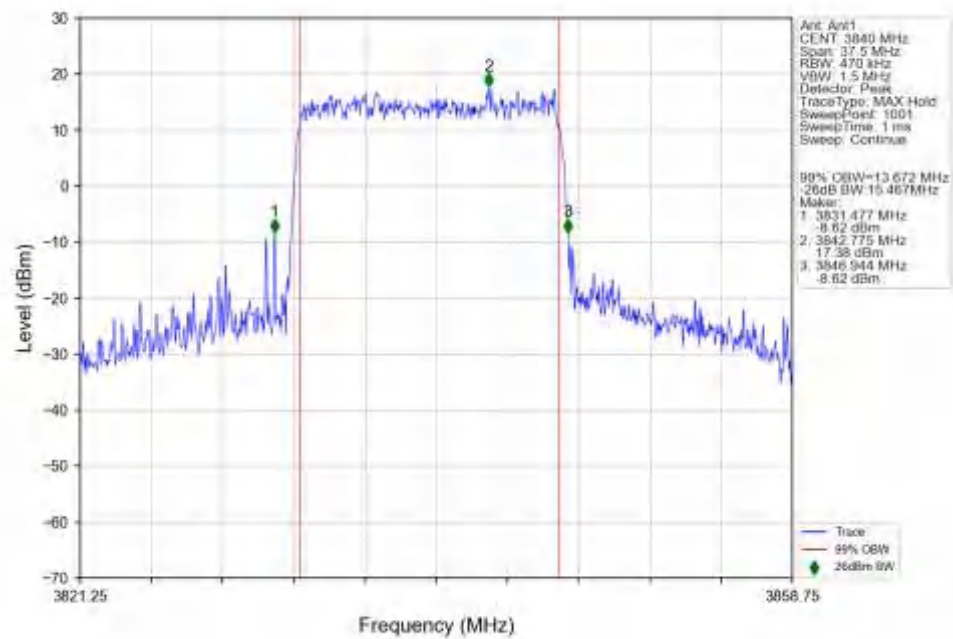
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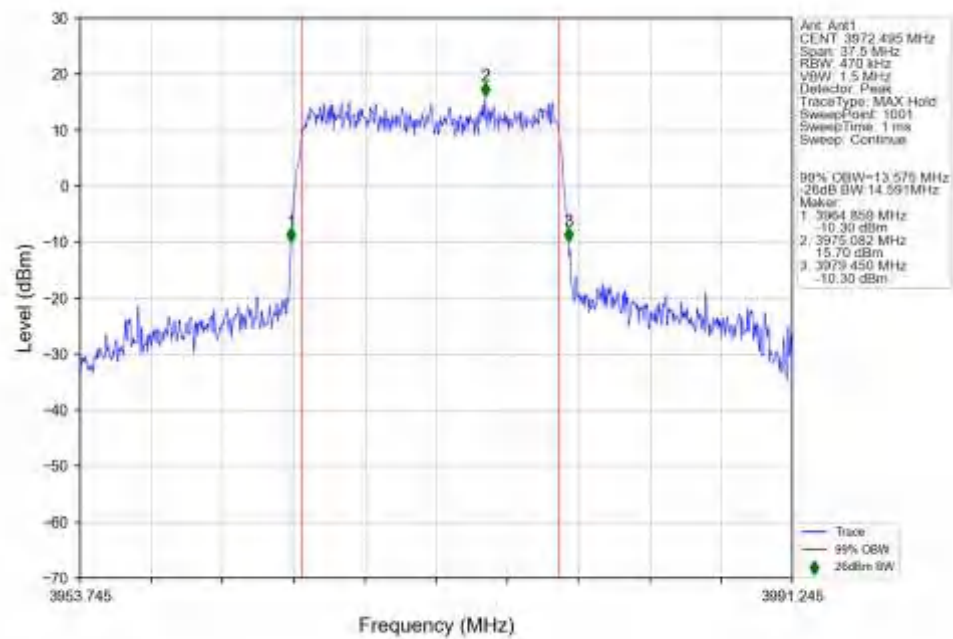
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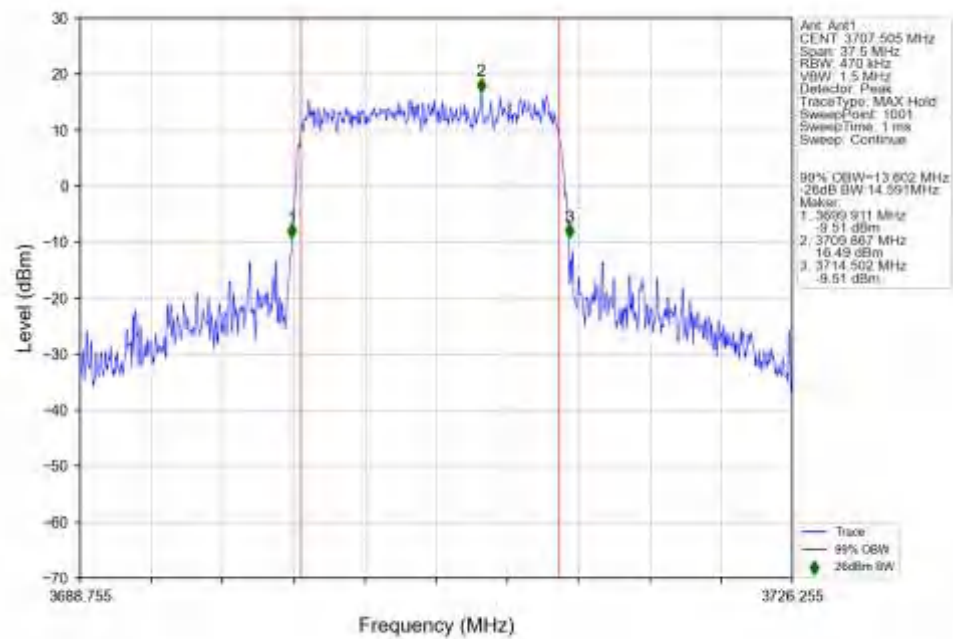
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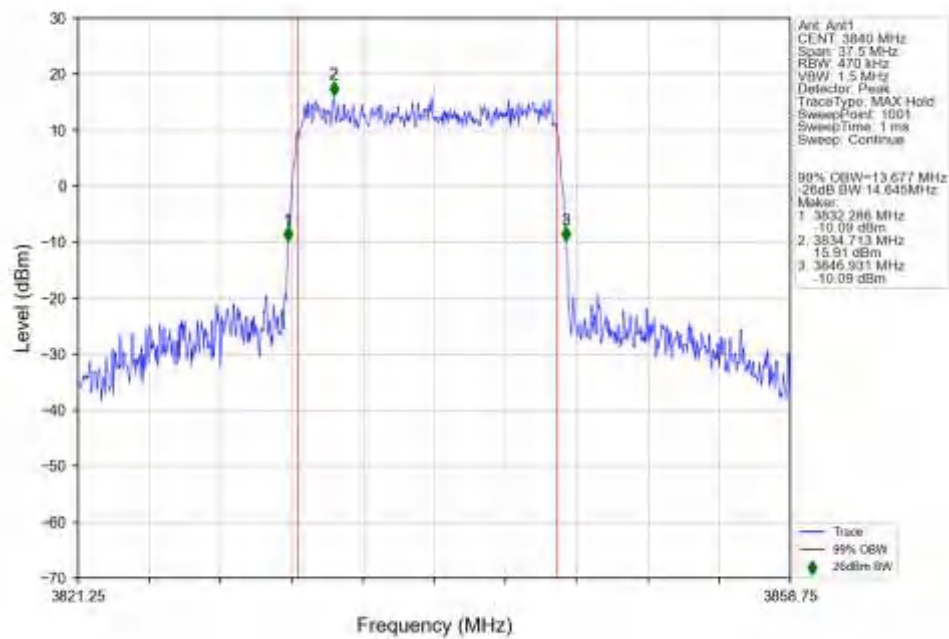
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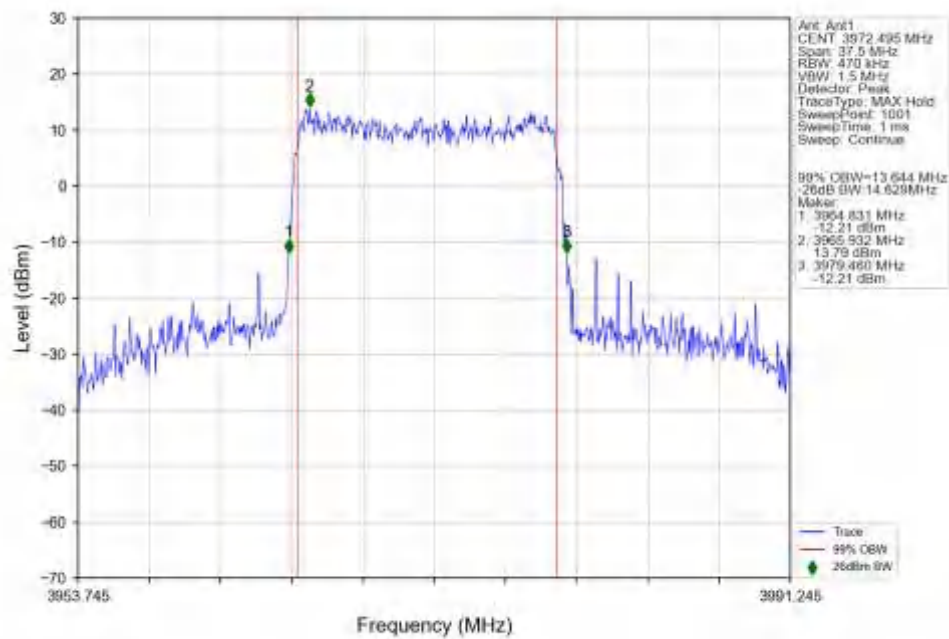
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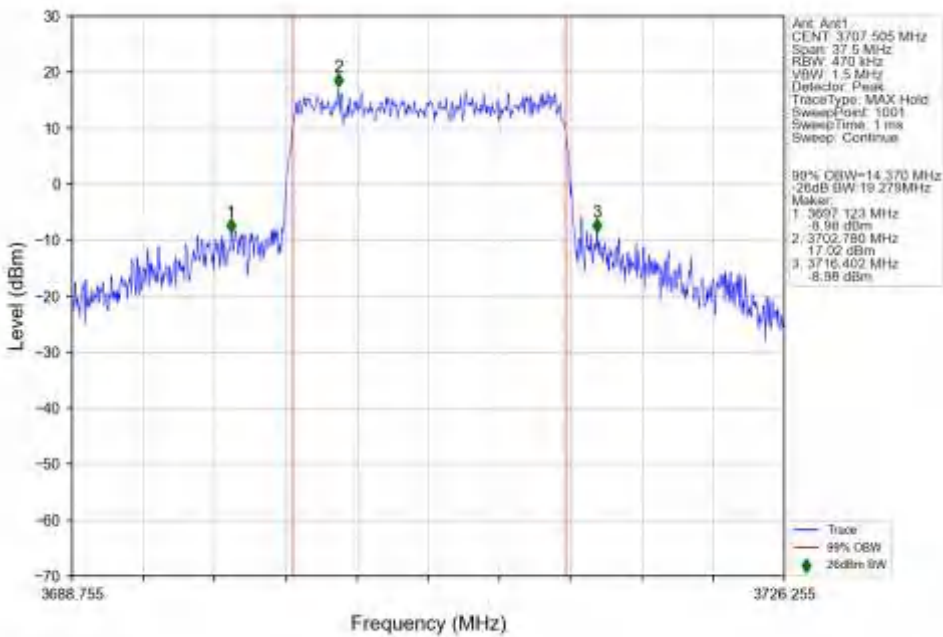
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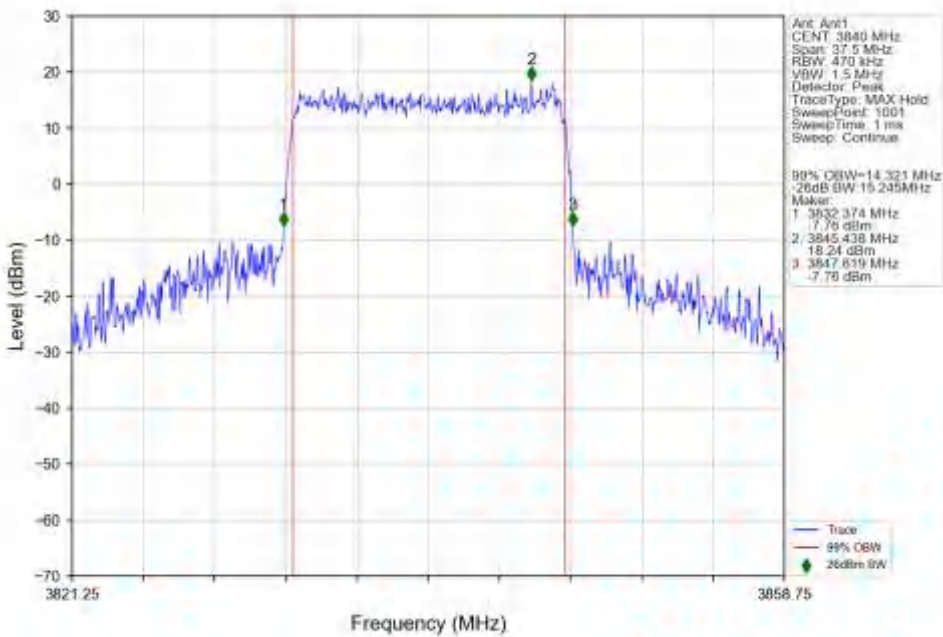
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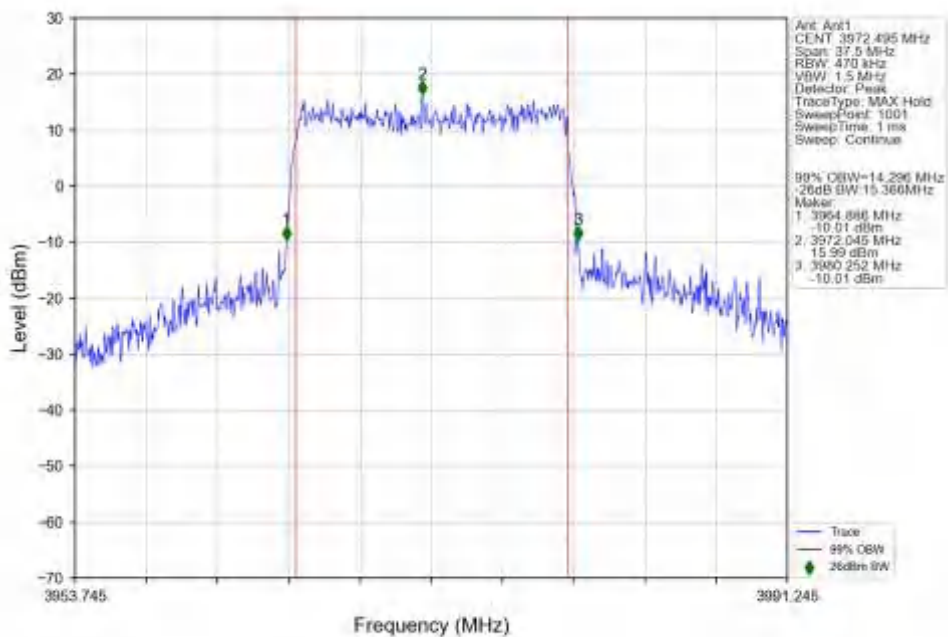
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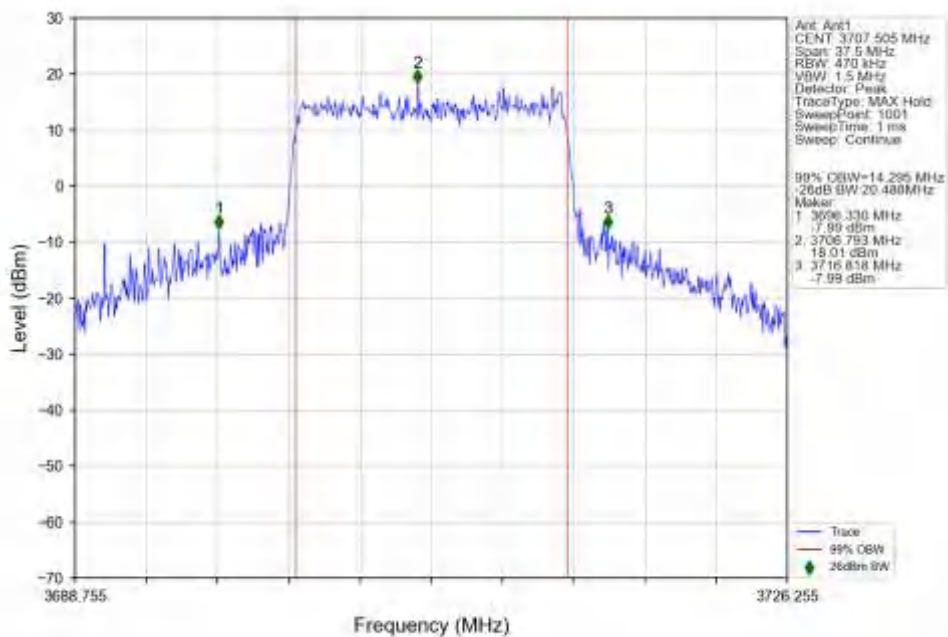
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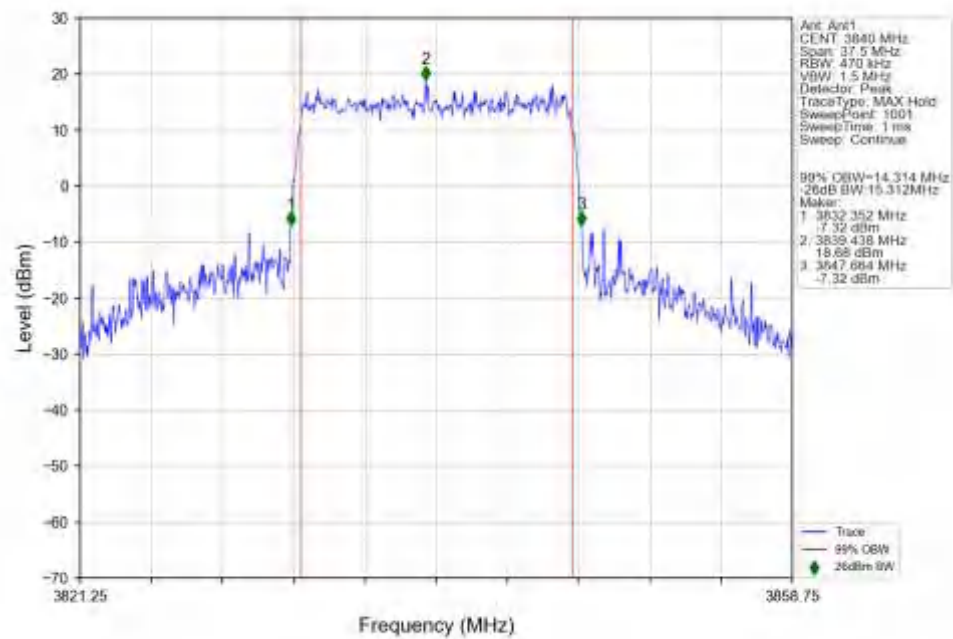
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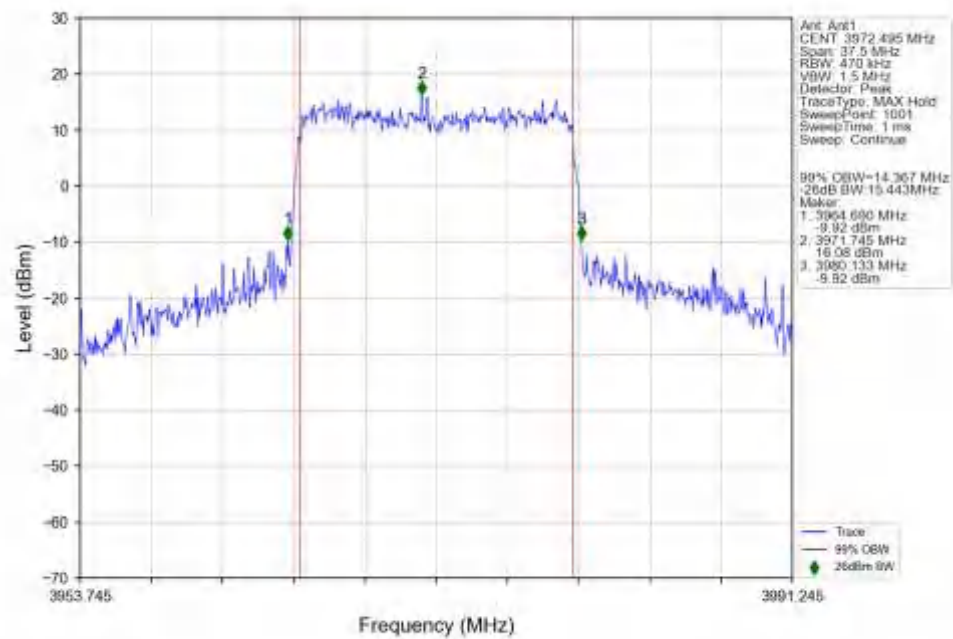
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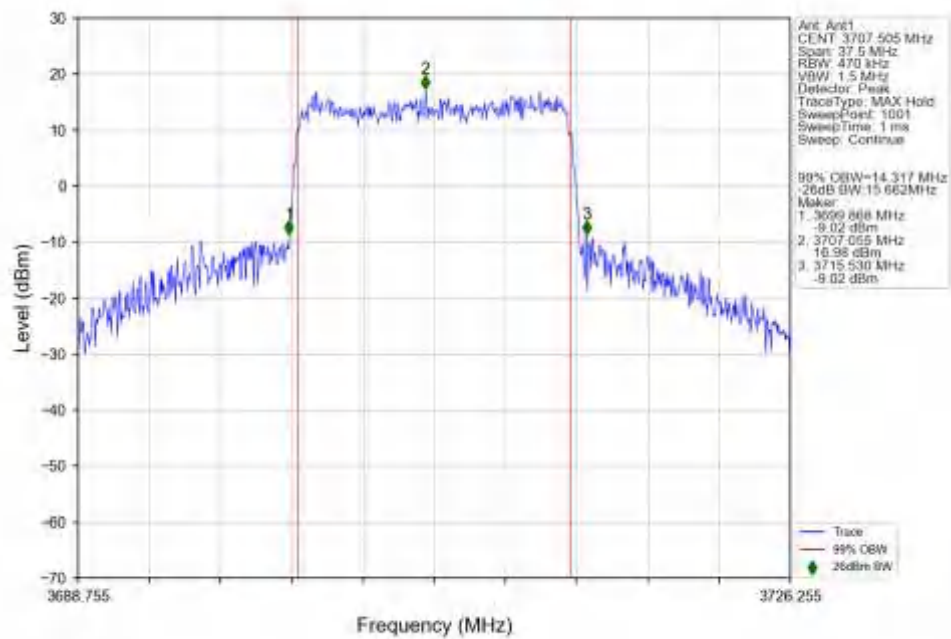
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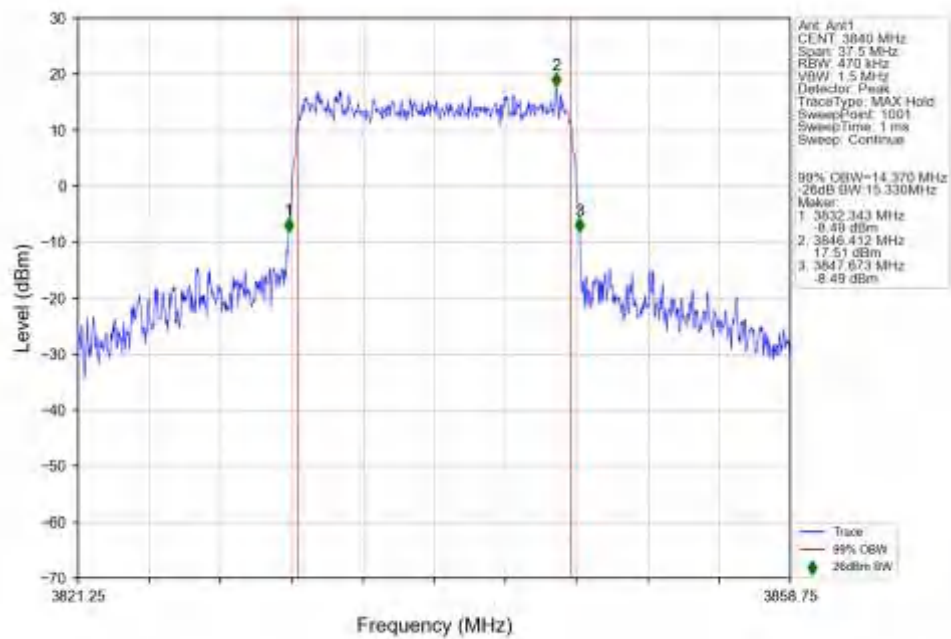
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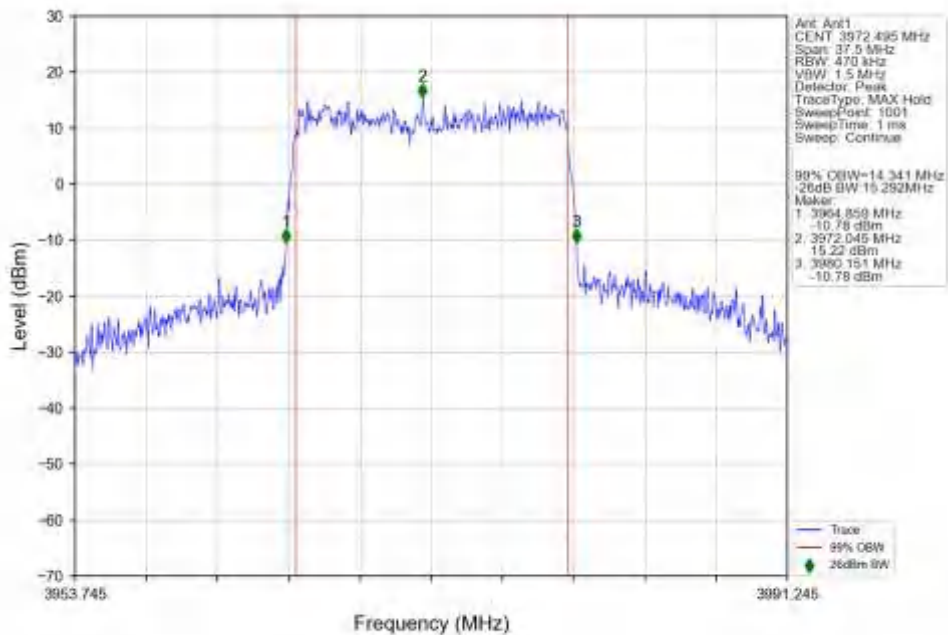
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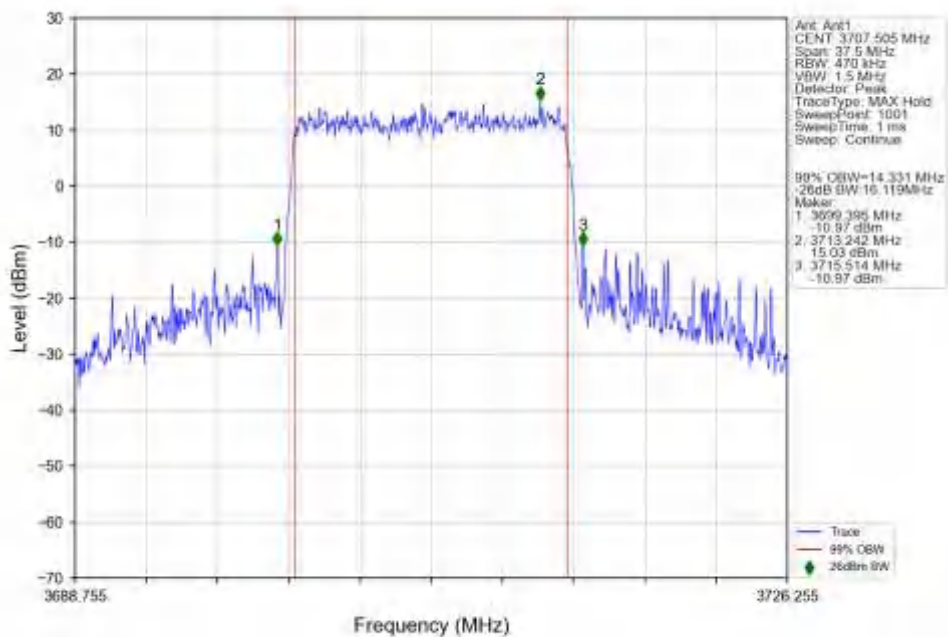
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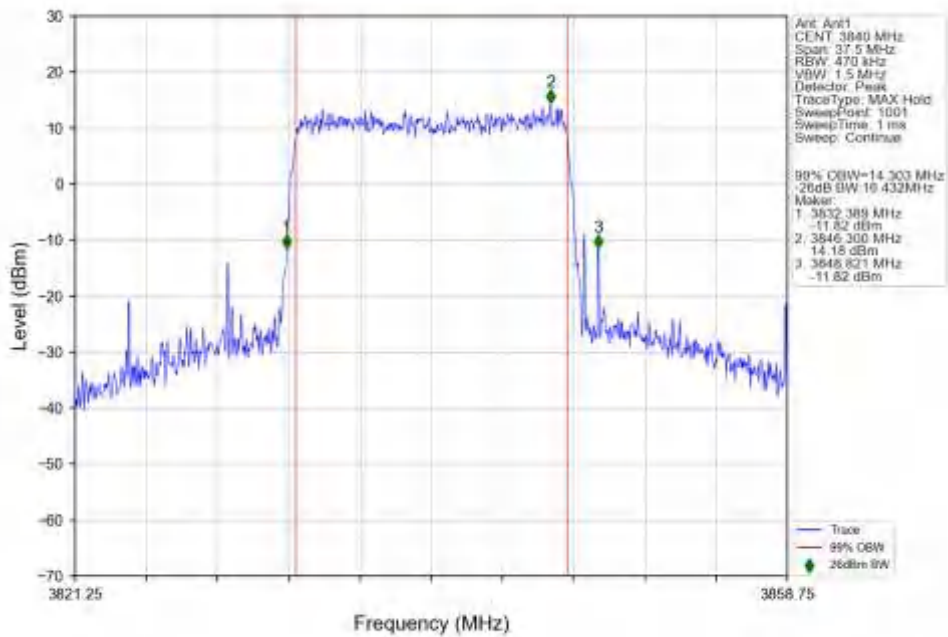
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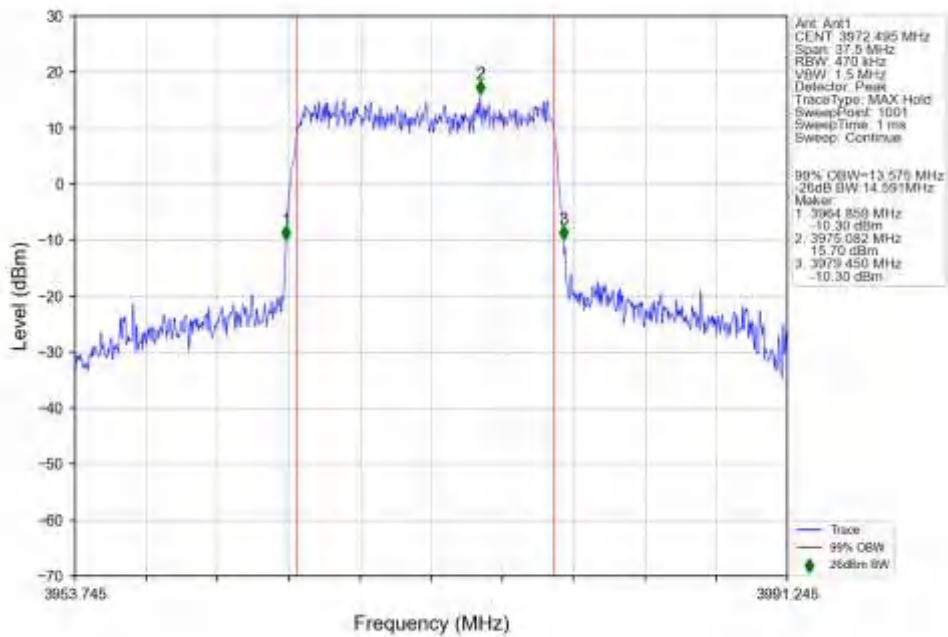
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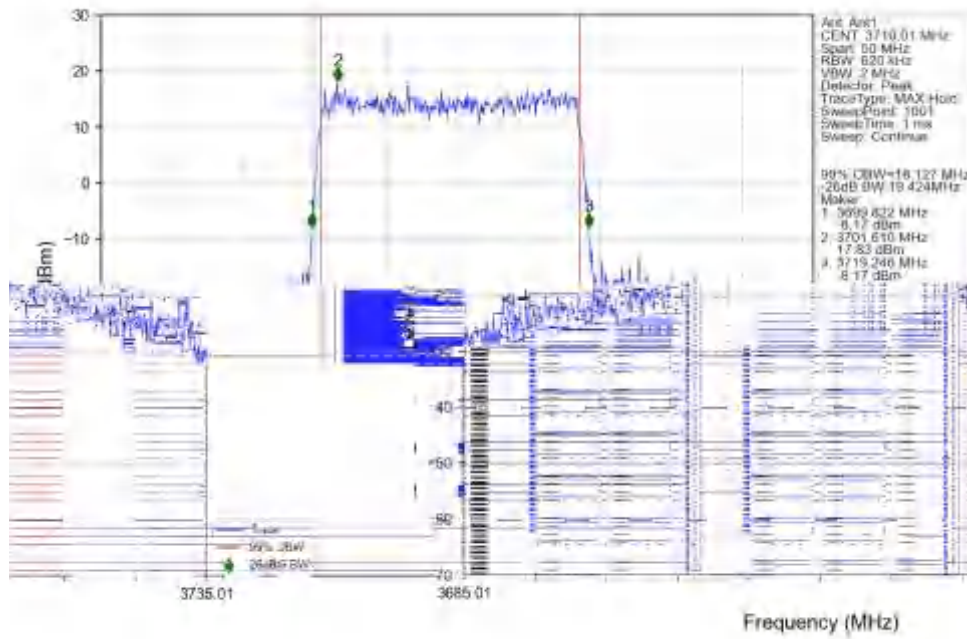


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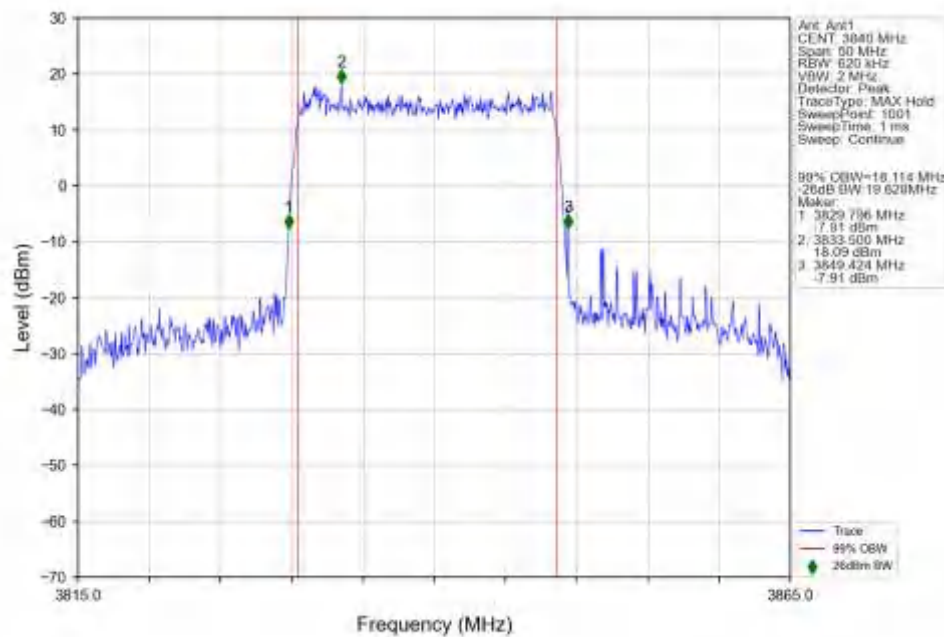


4.2.3 15k_SISO_20MHz_NTNV

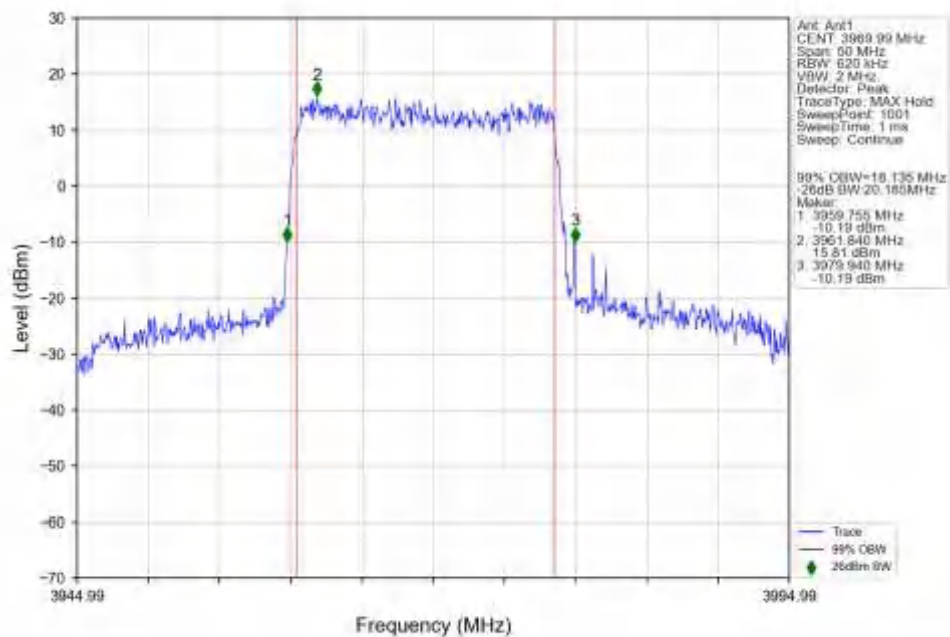
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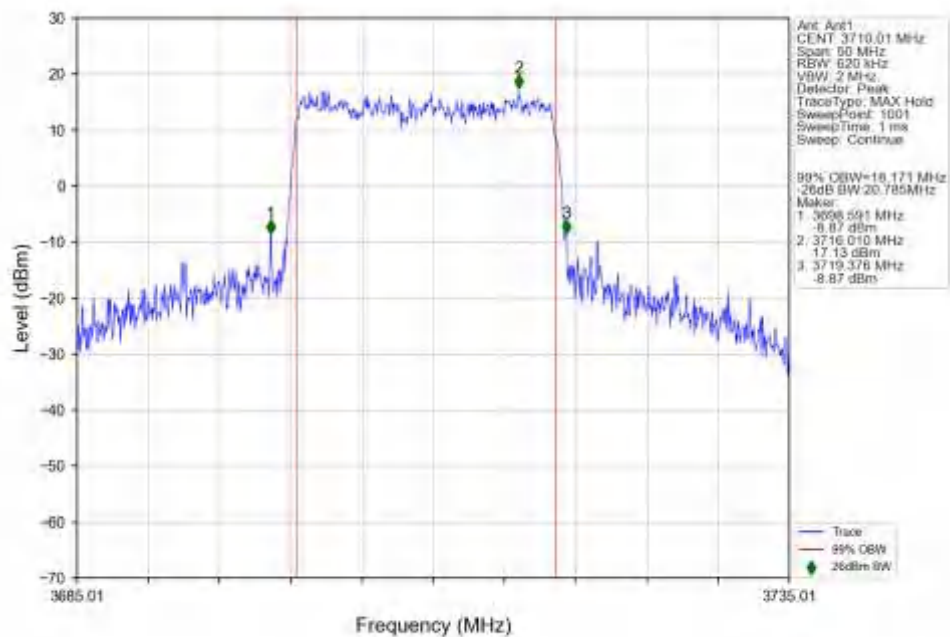
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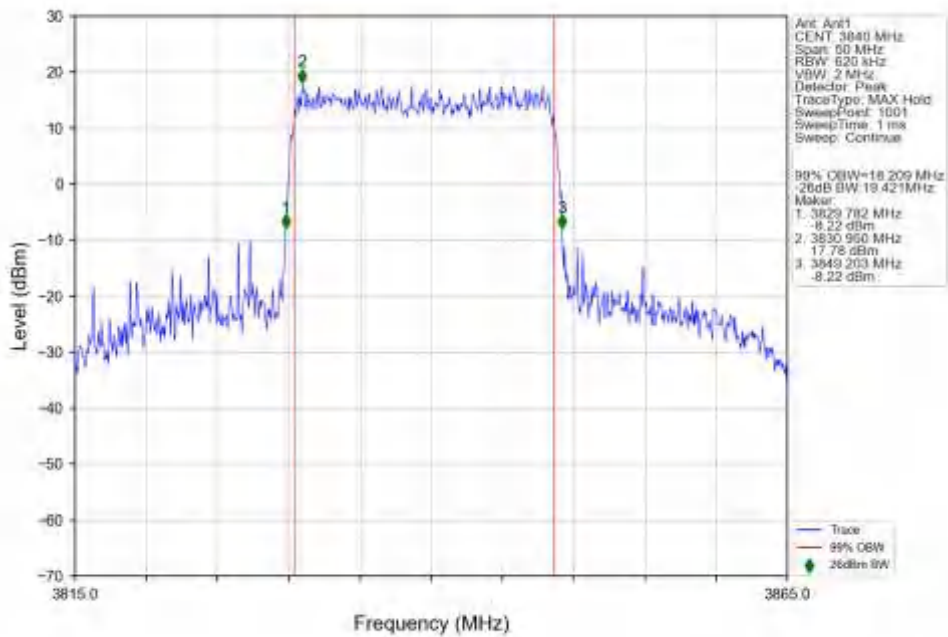
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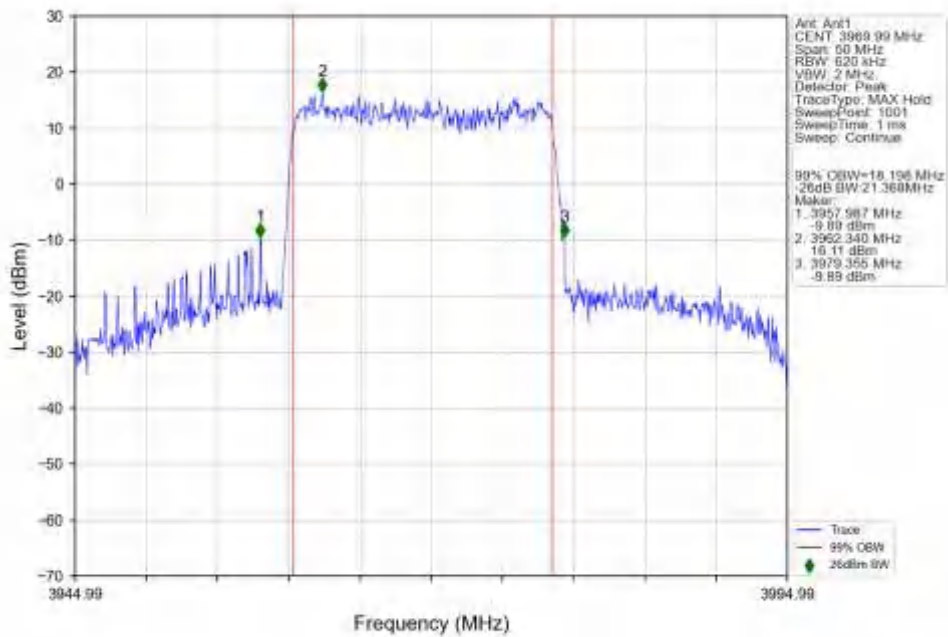
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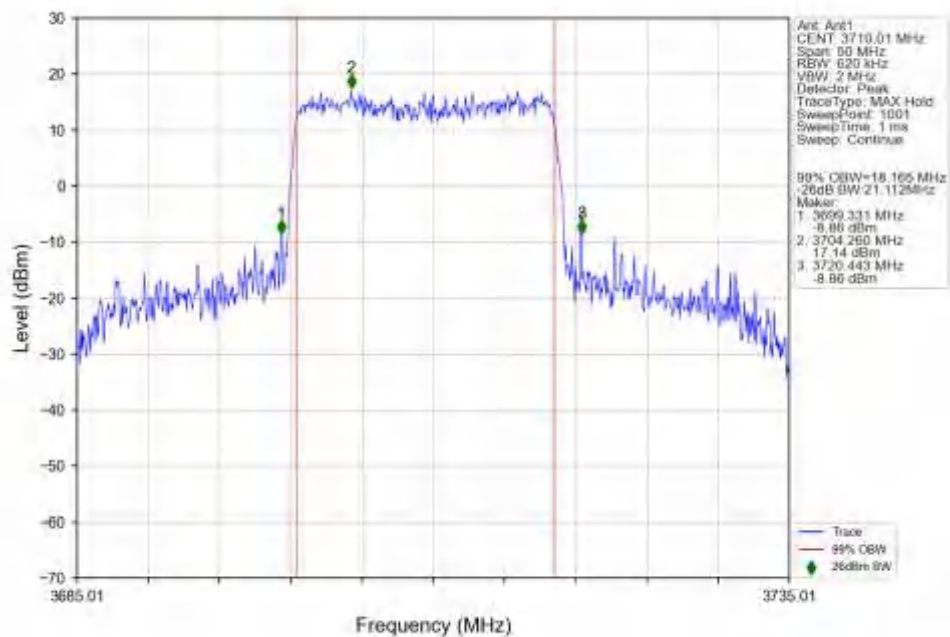
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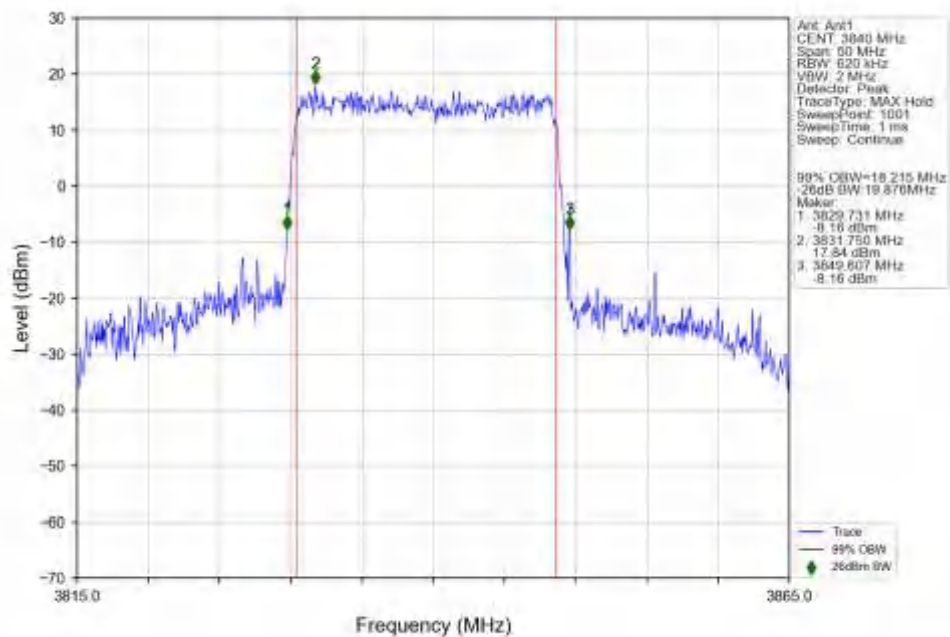
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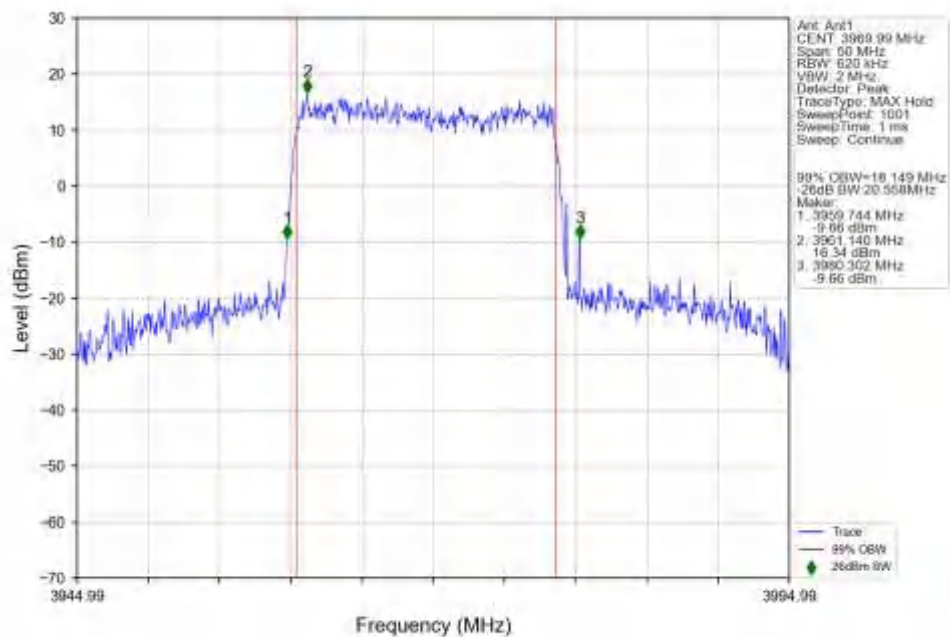
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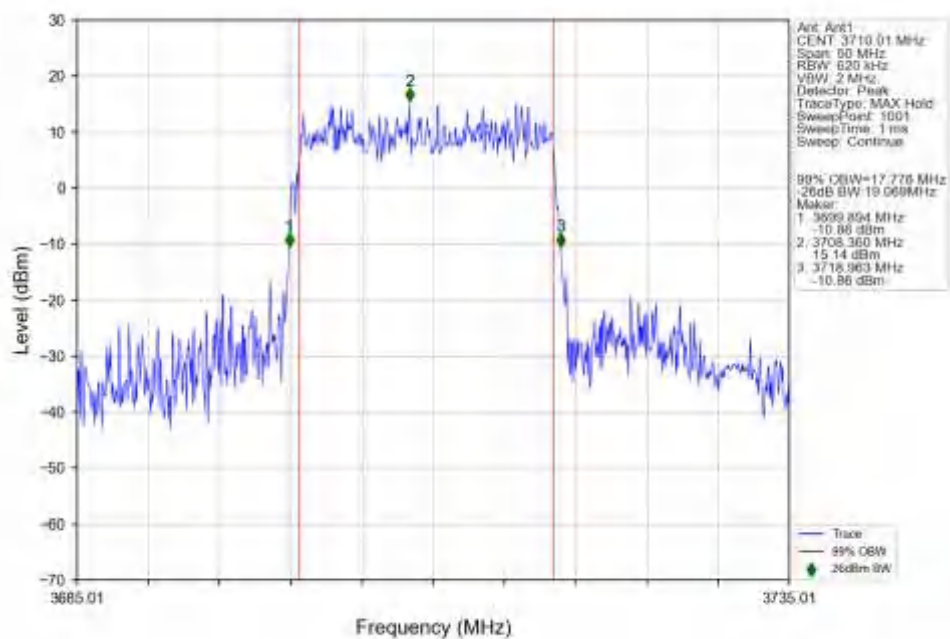
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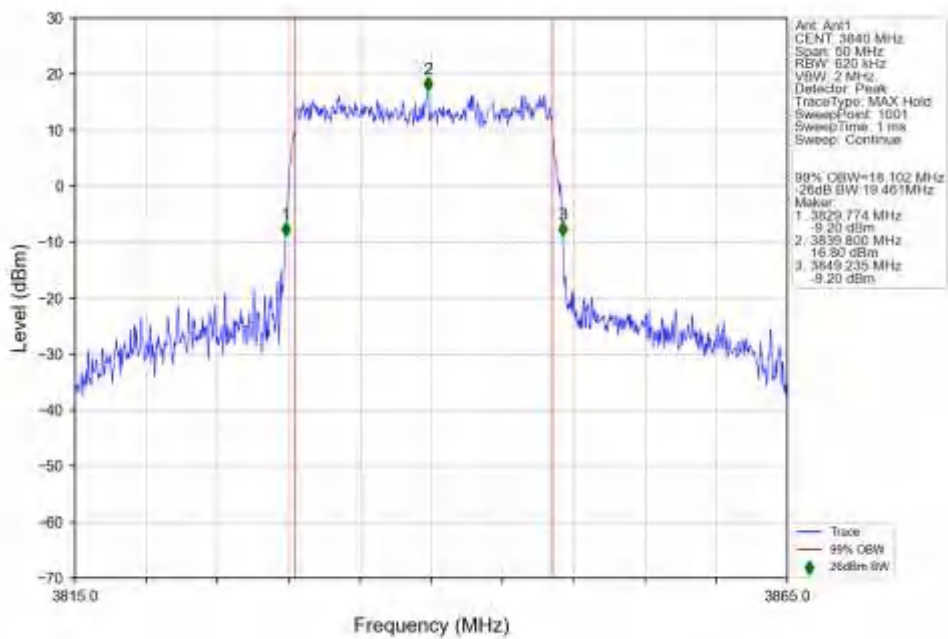
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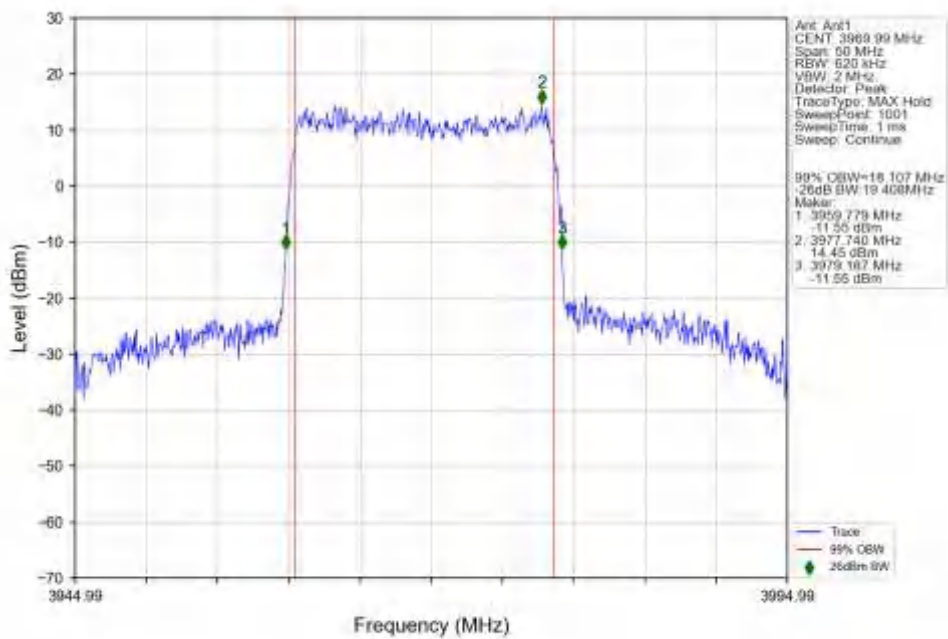
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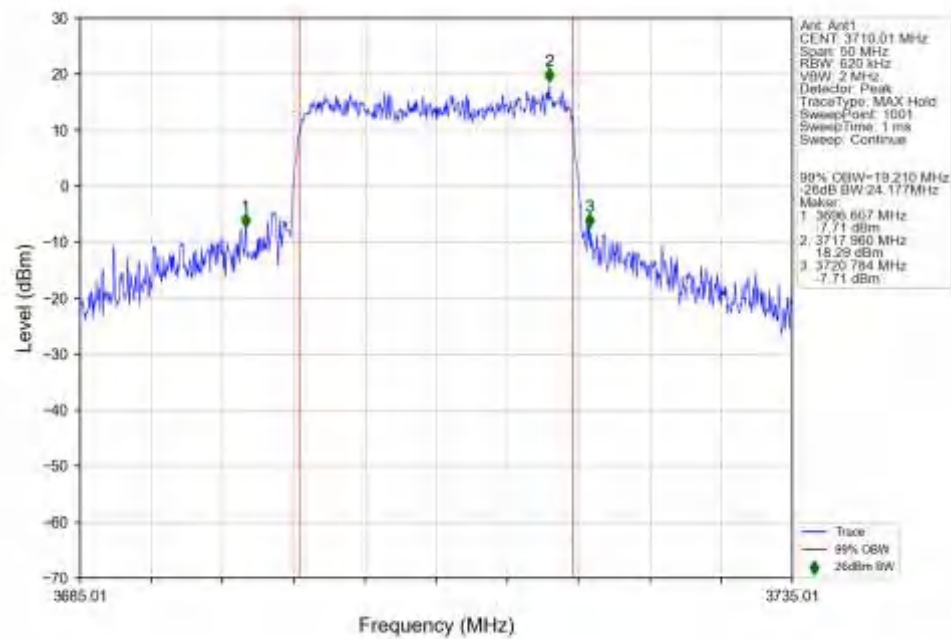
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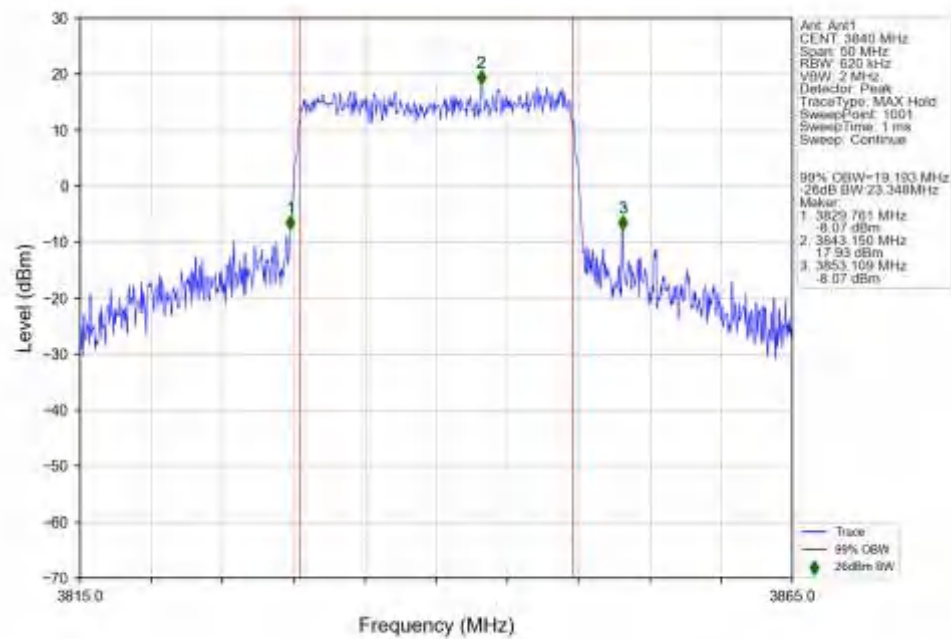
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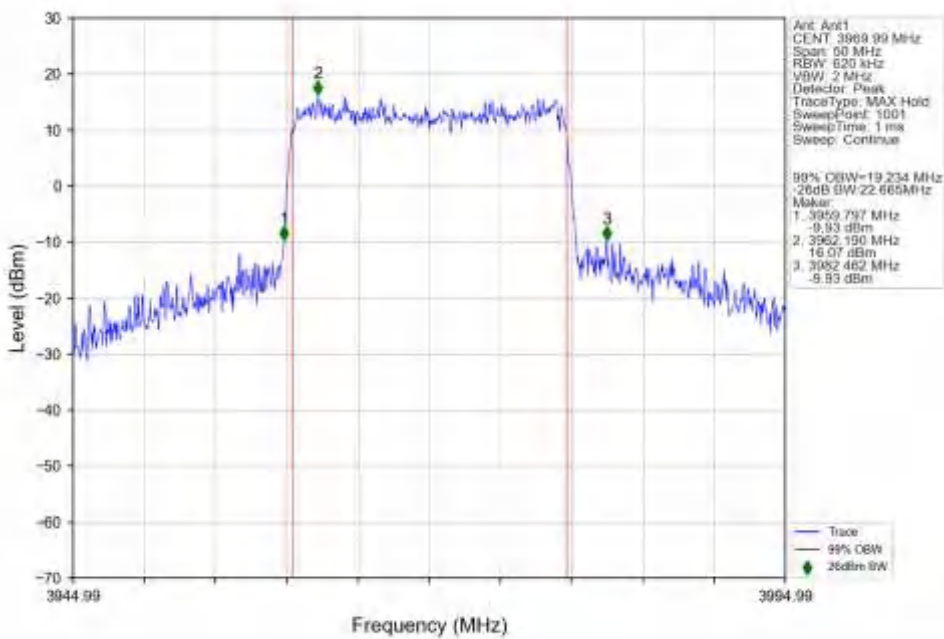
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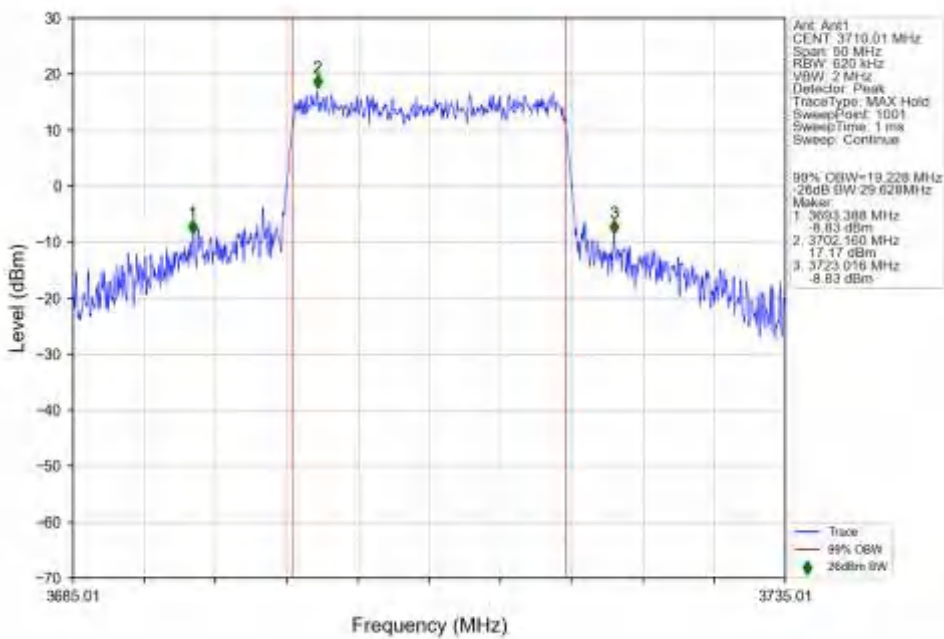
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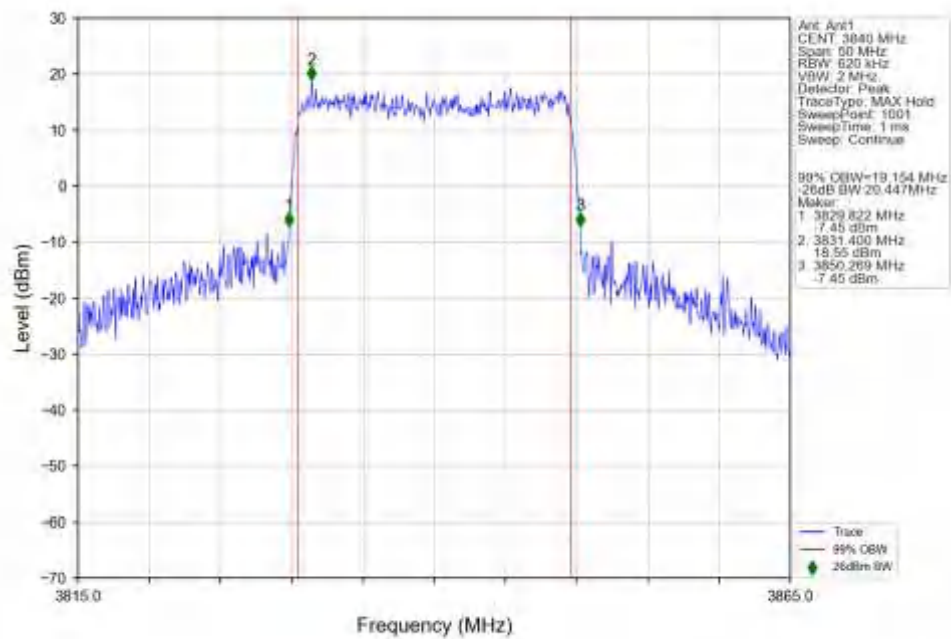
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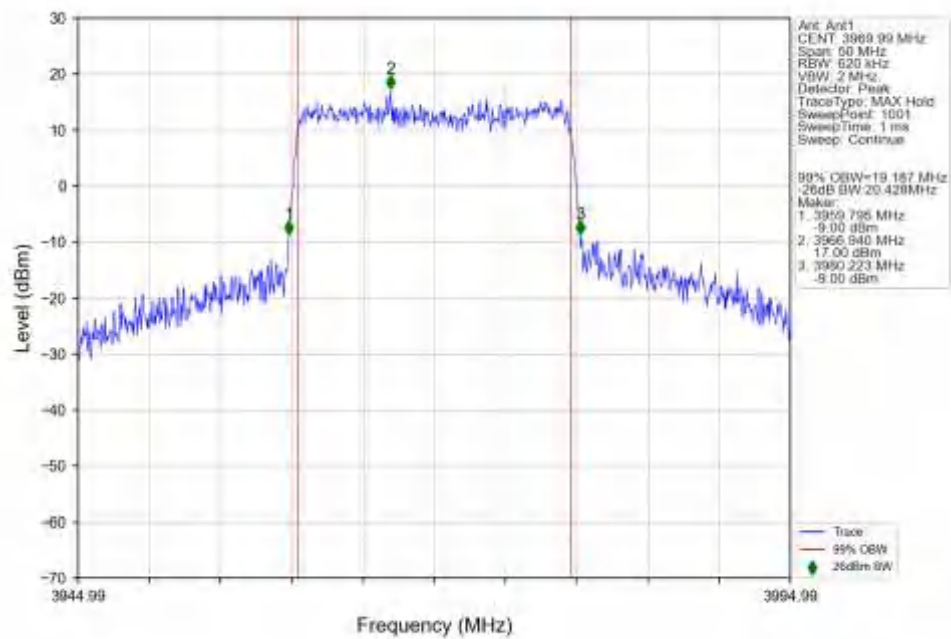
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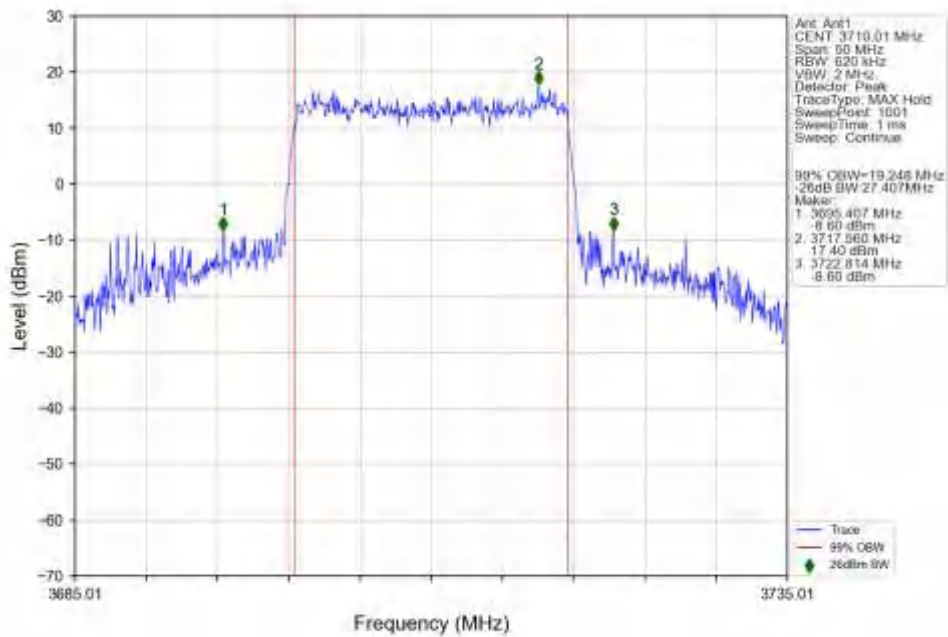
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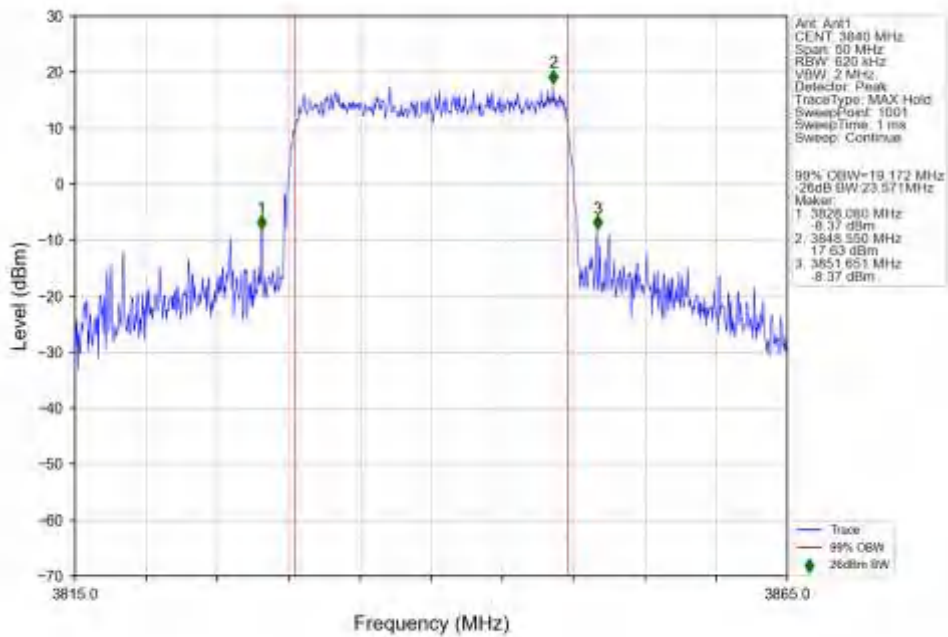
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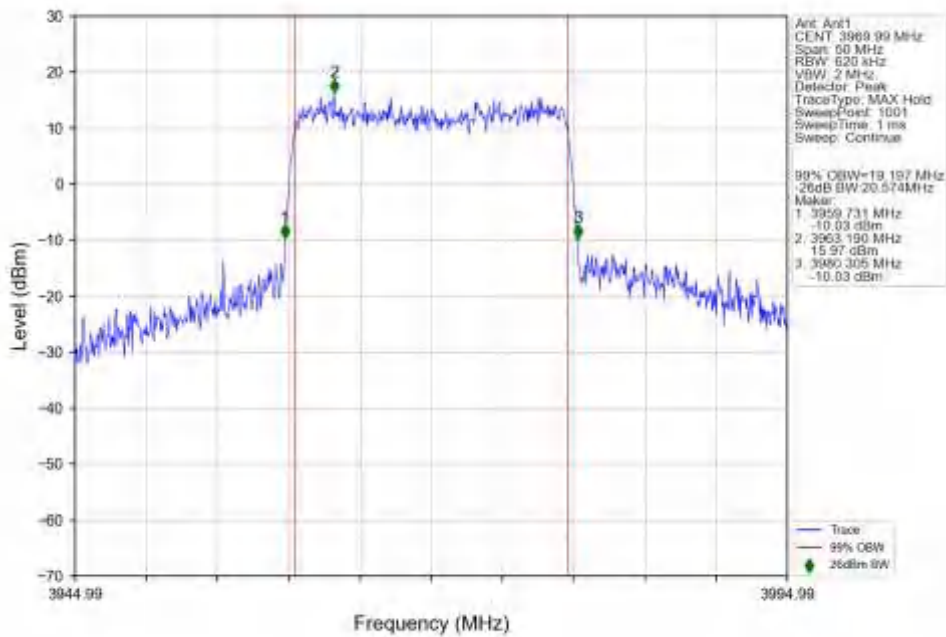
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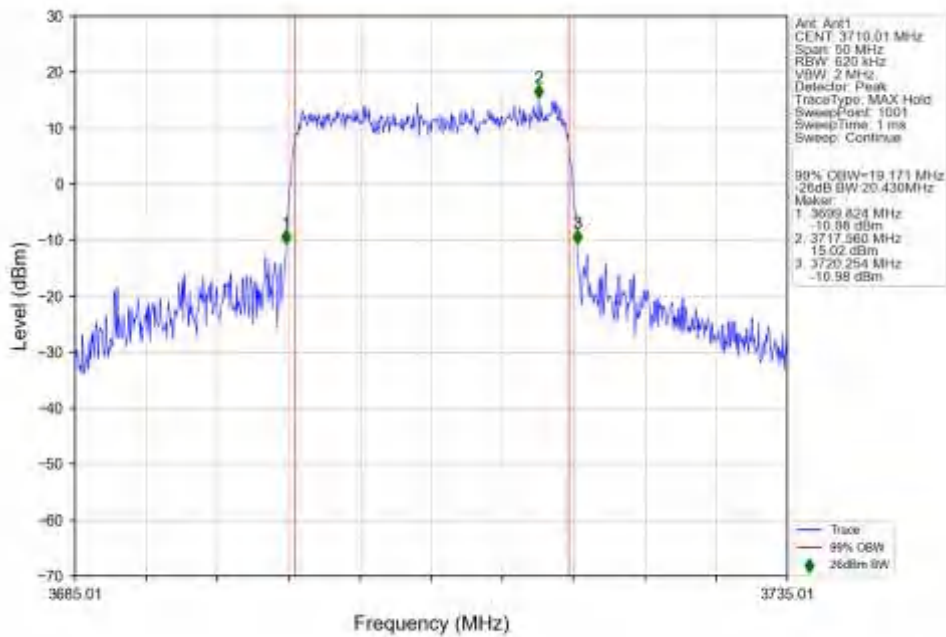
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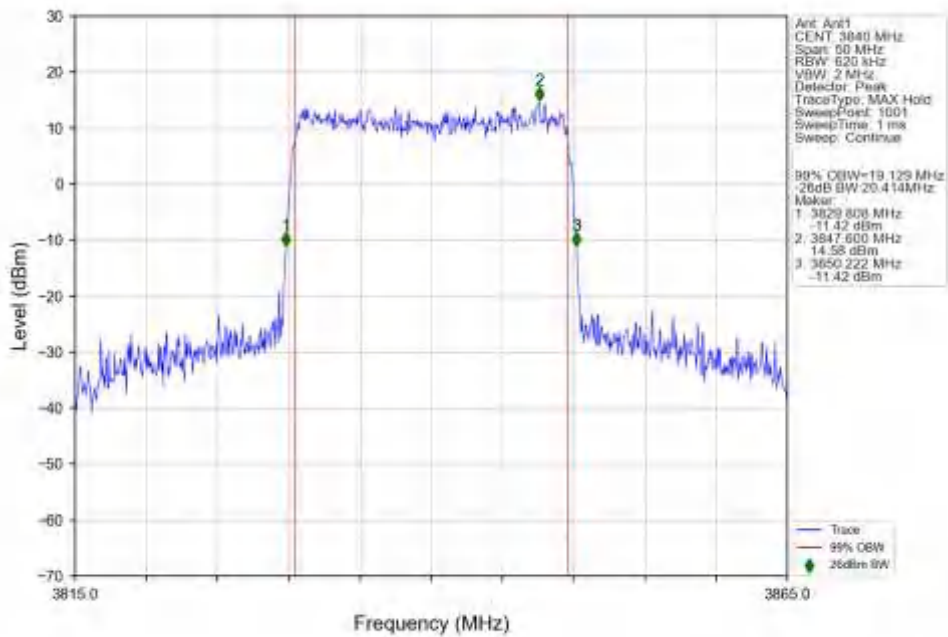
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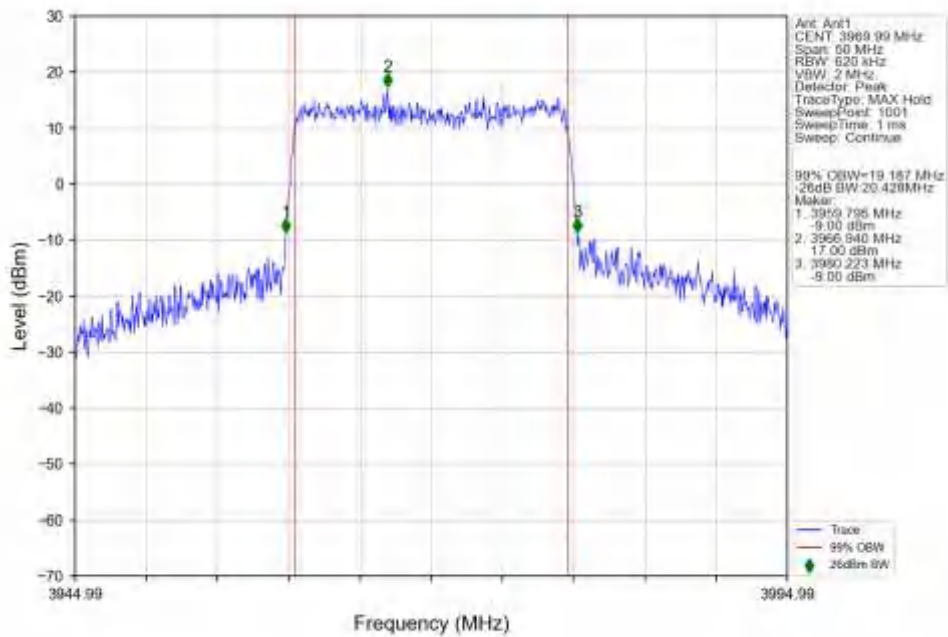
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n77a_15kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_3840MHz_Outer_Full_Ant1

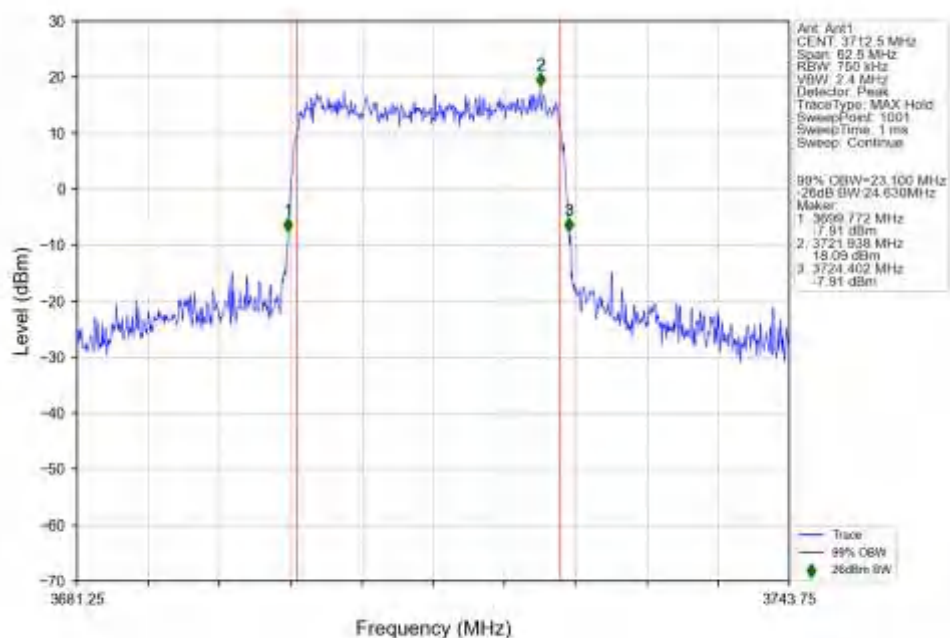


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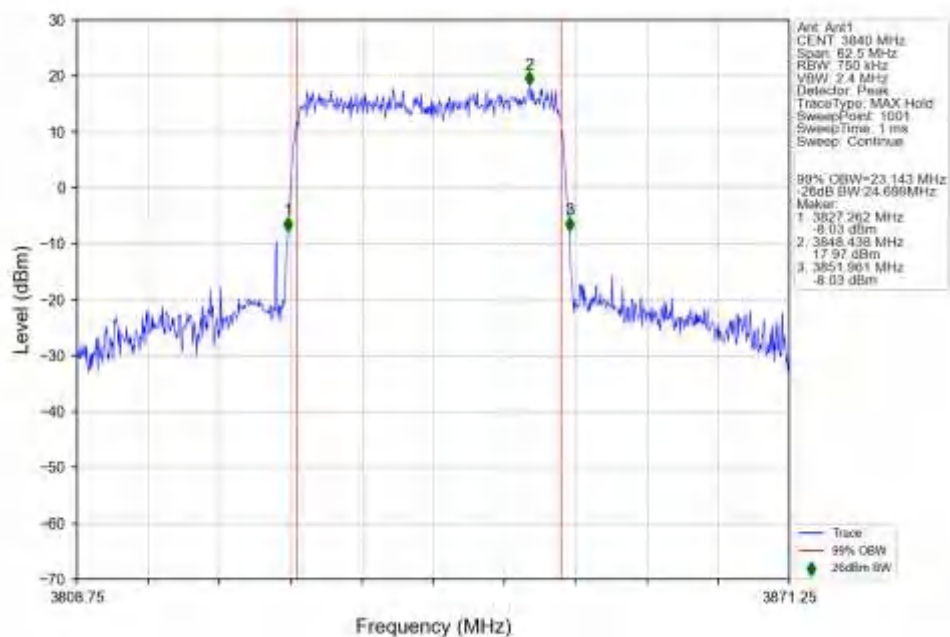


4.2.4 15k_SISO_25MHz_NTNV

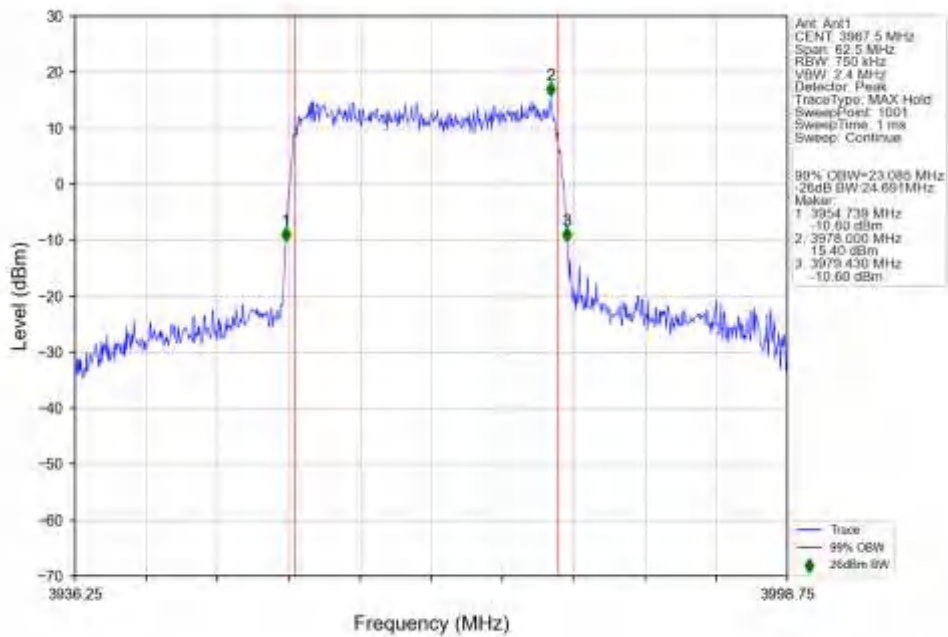
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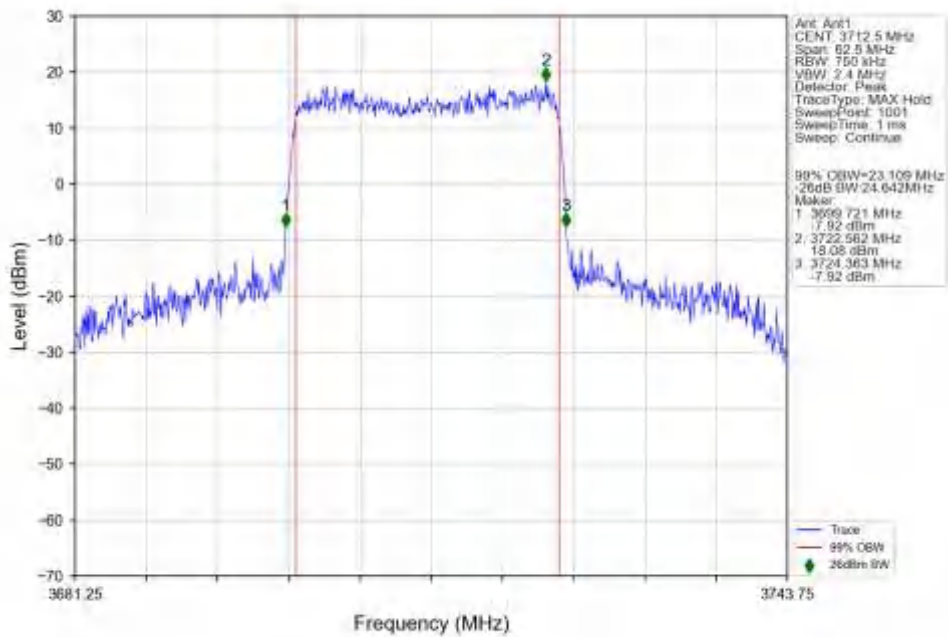
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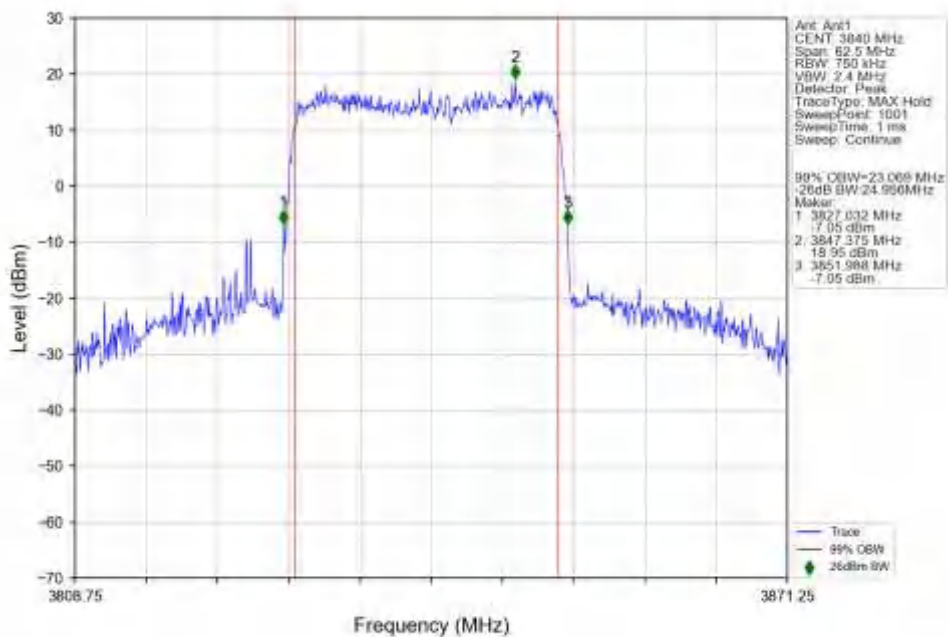
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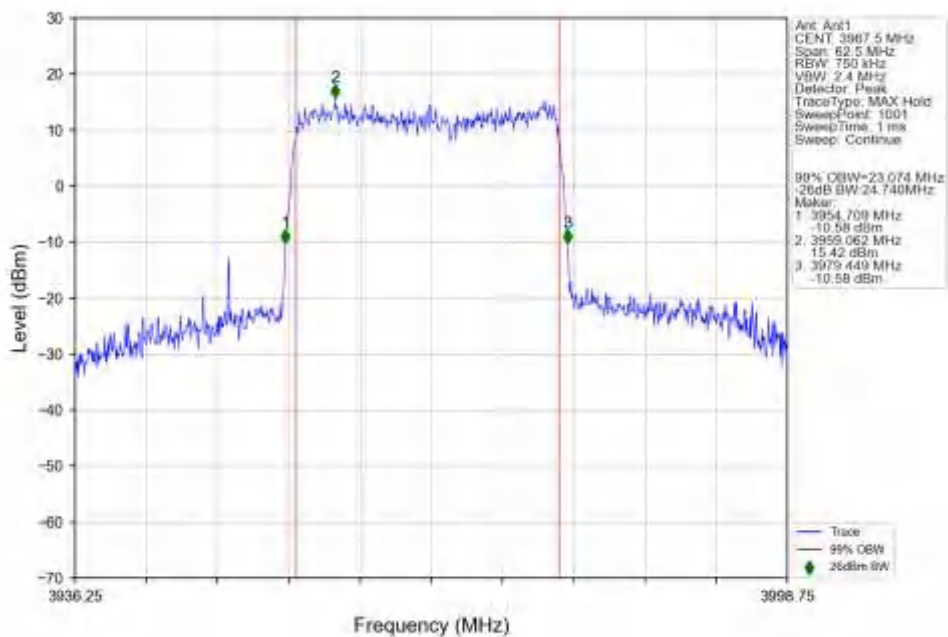
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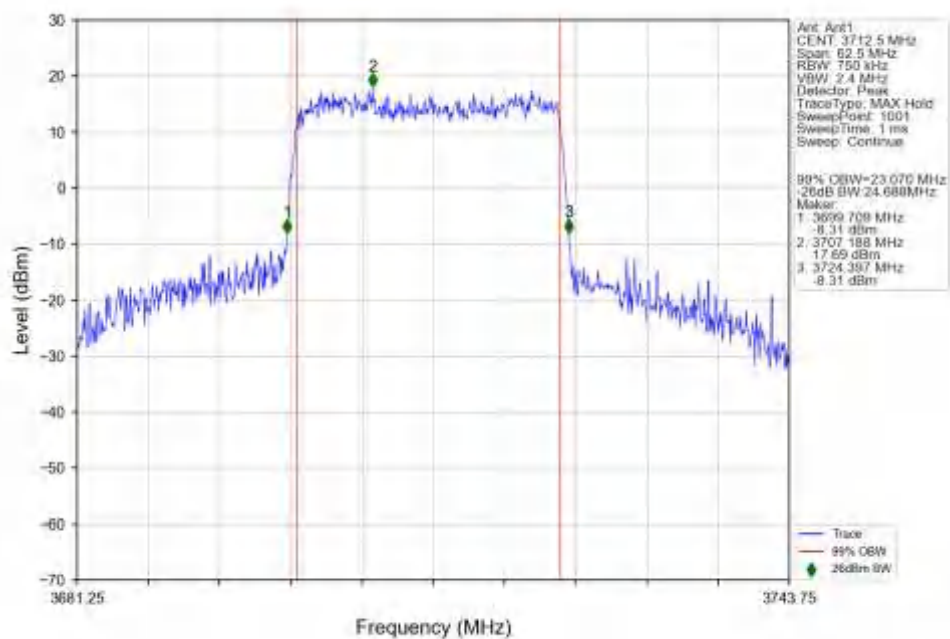
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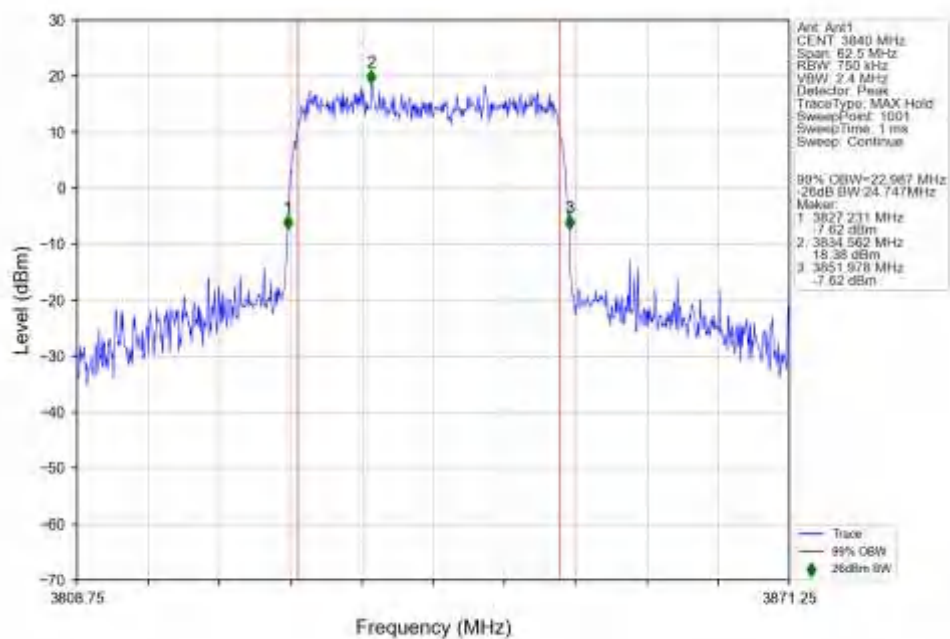
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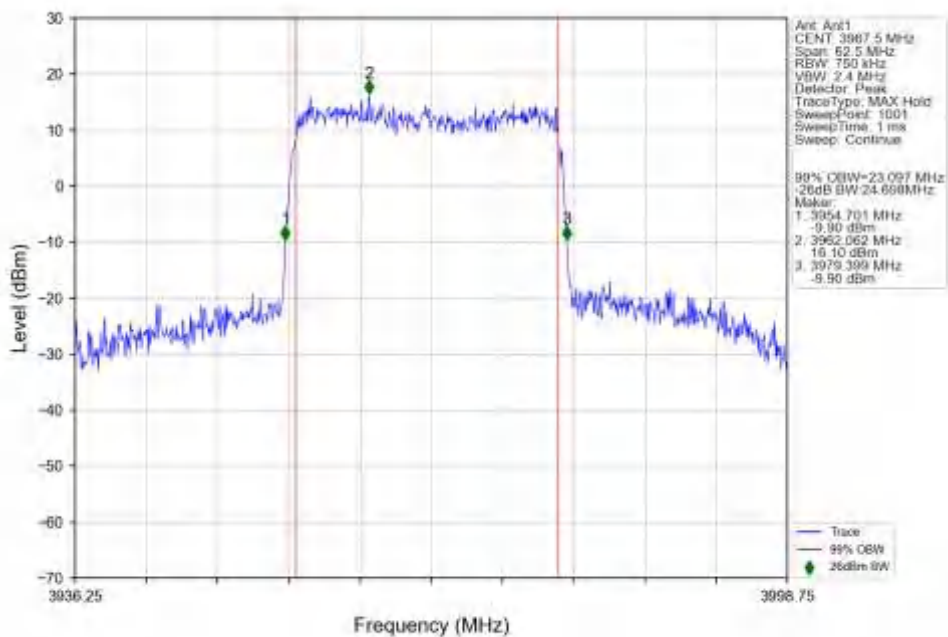
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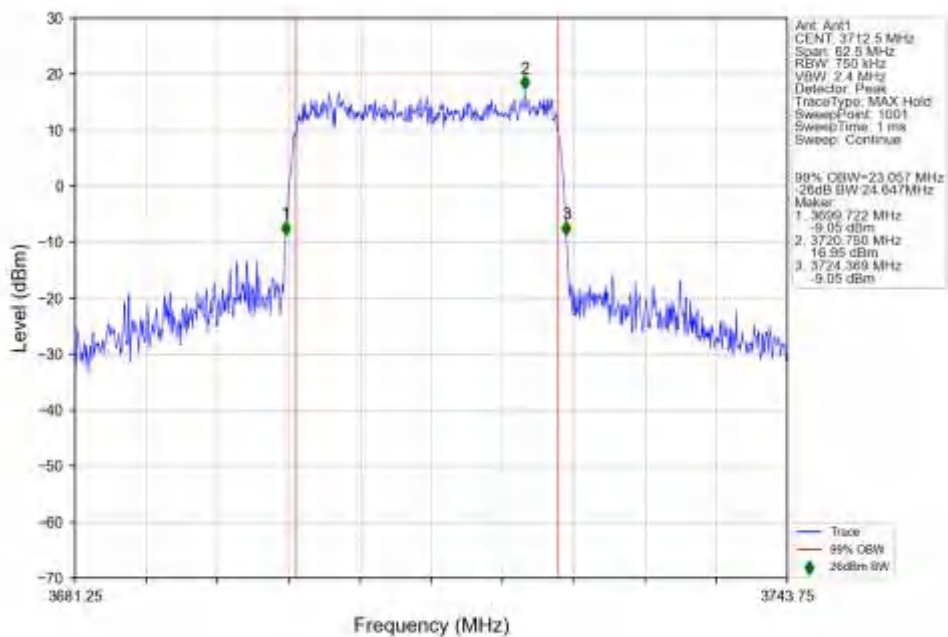
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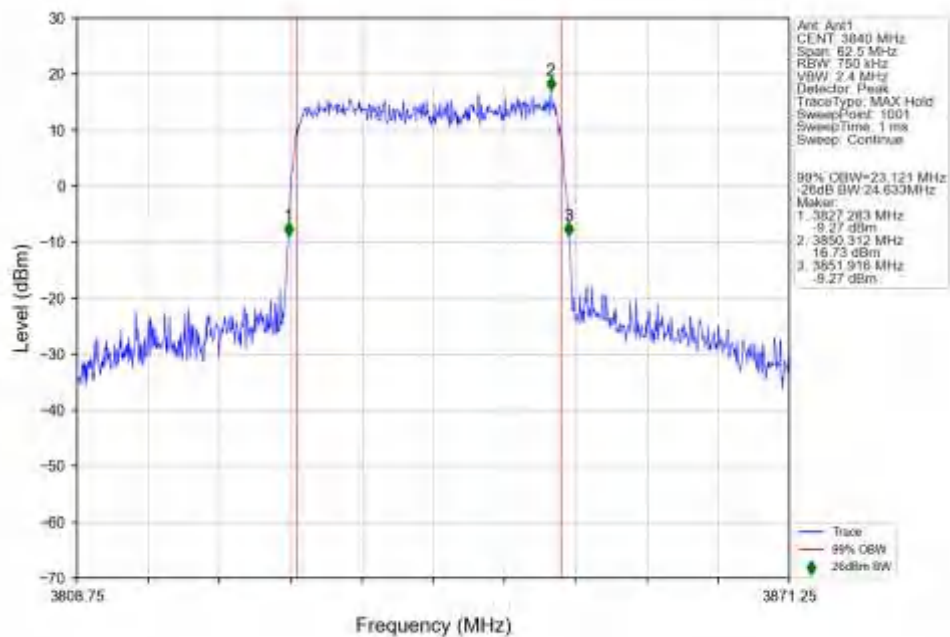
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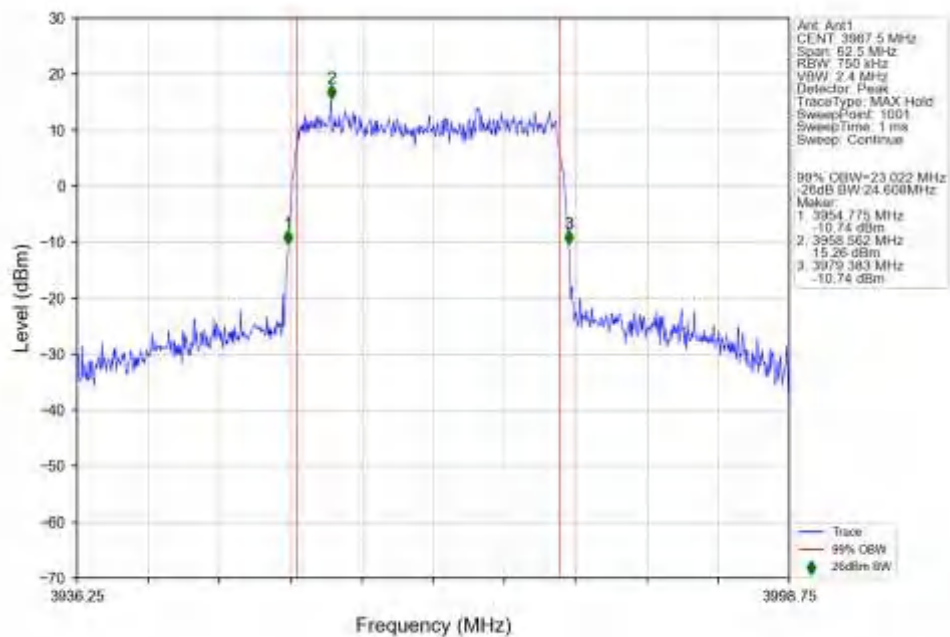
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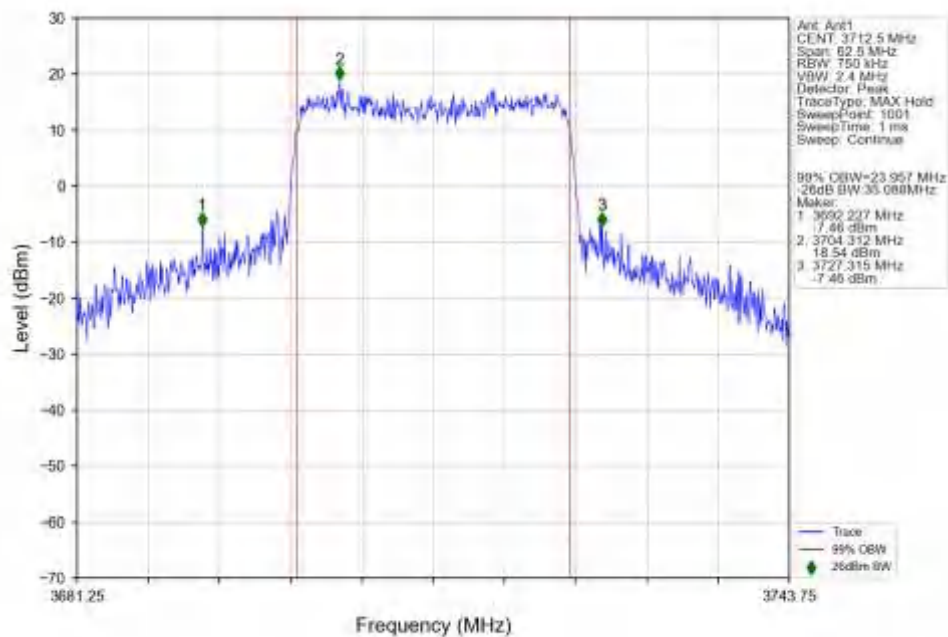
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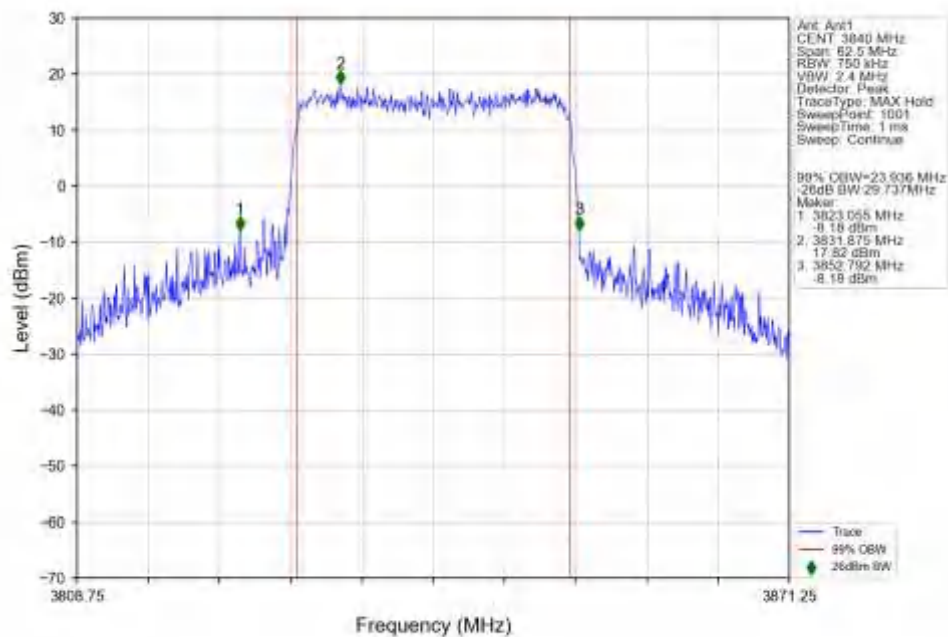
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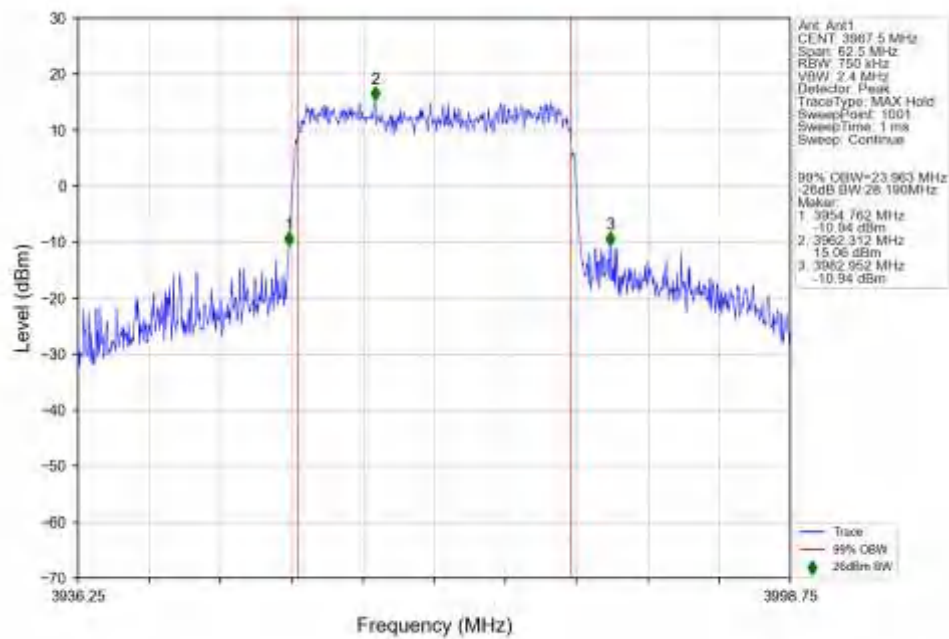
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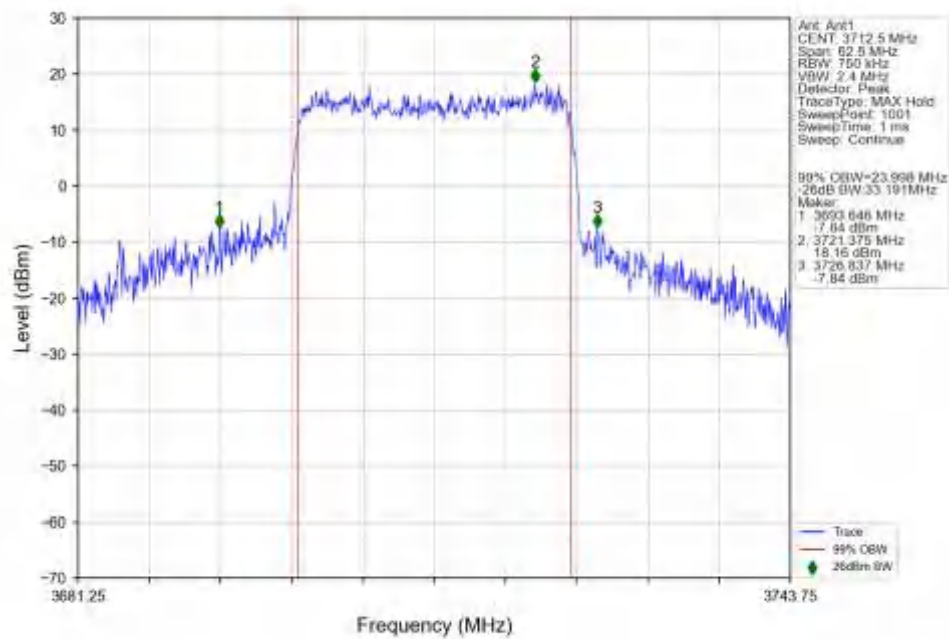
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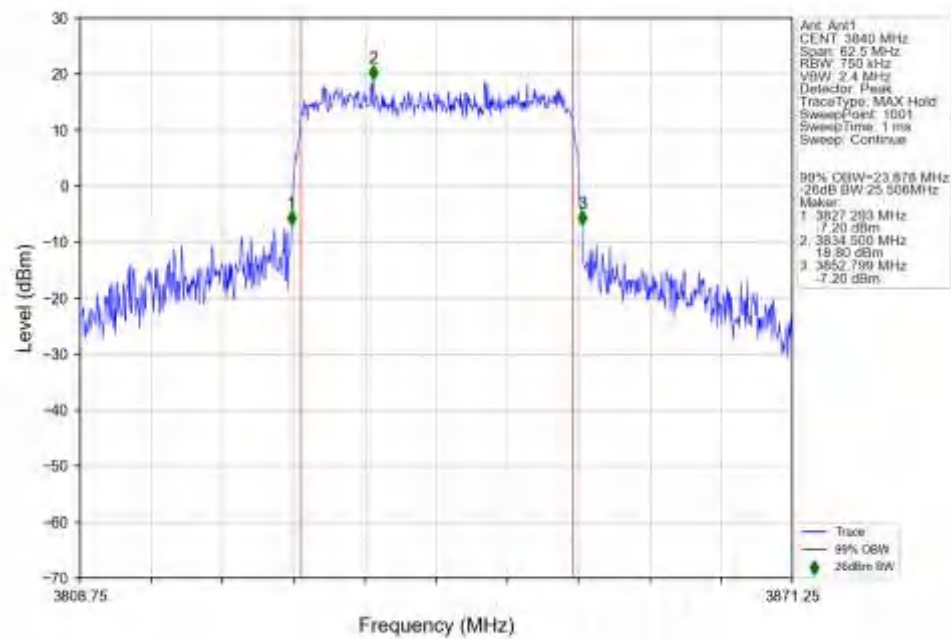
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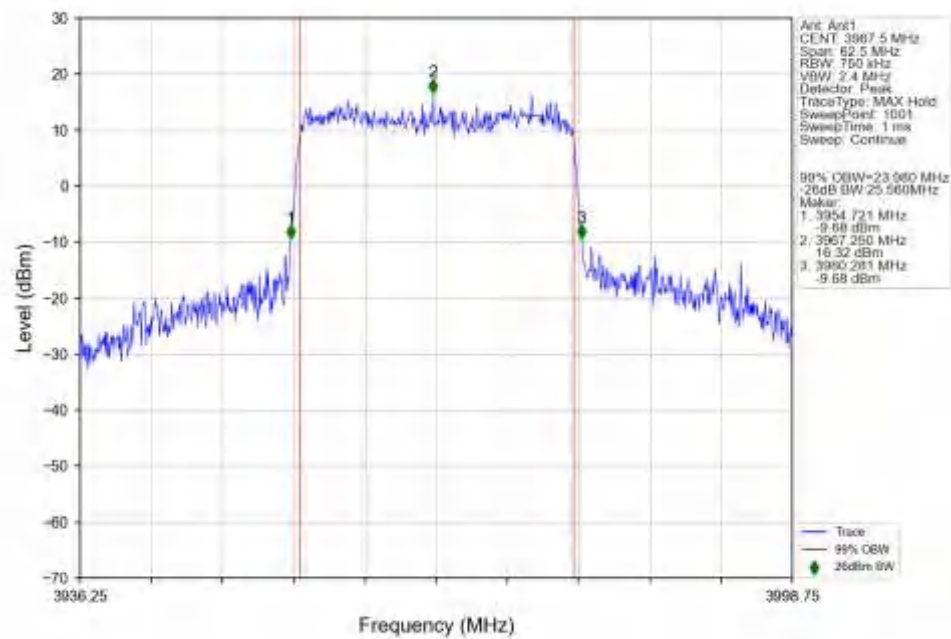
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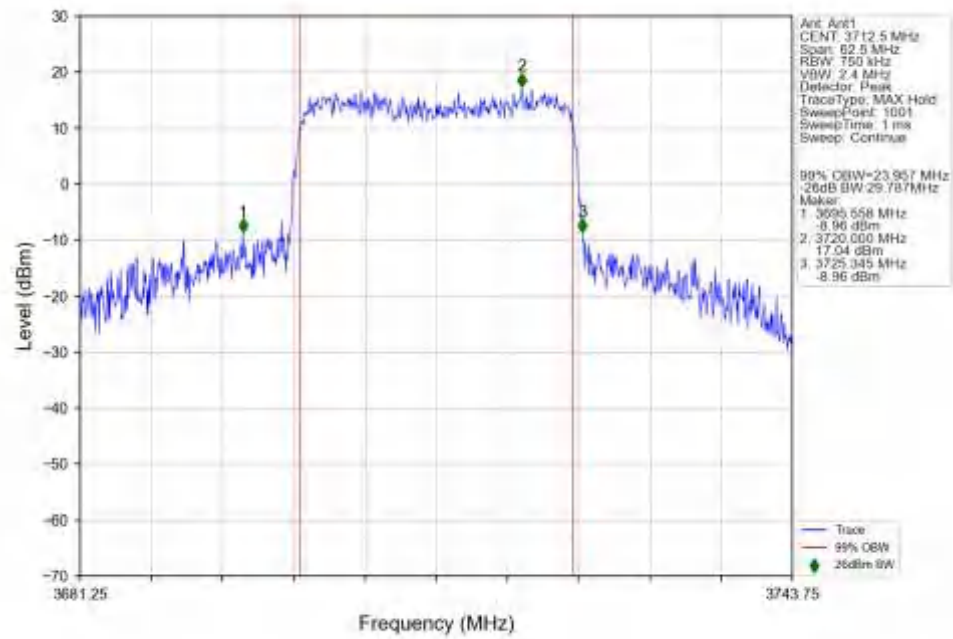
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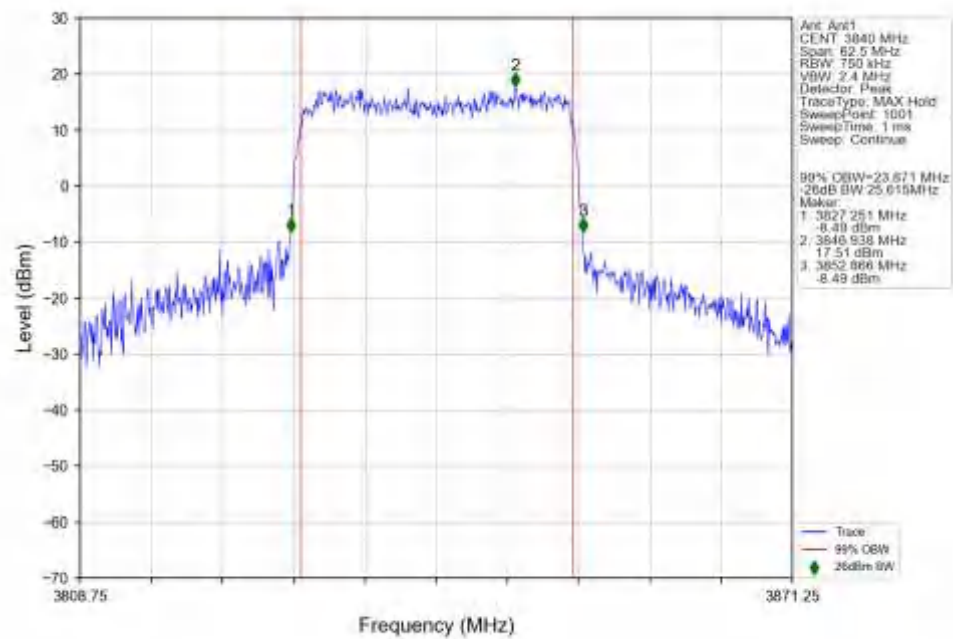
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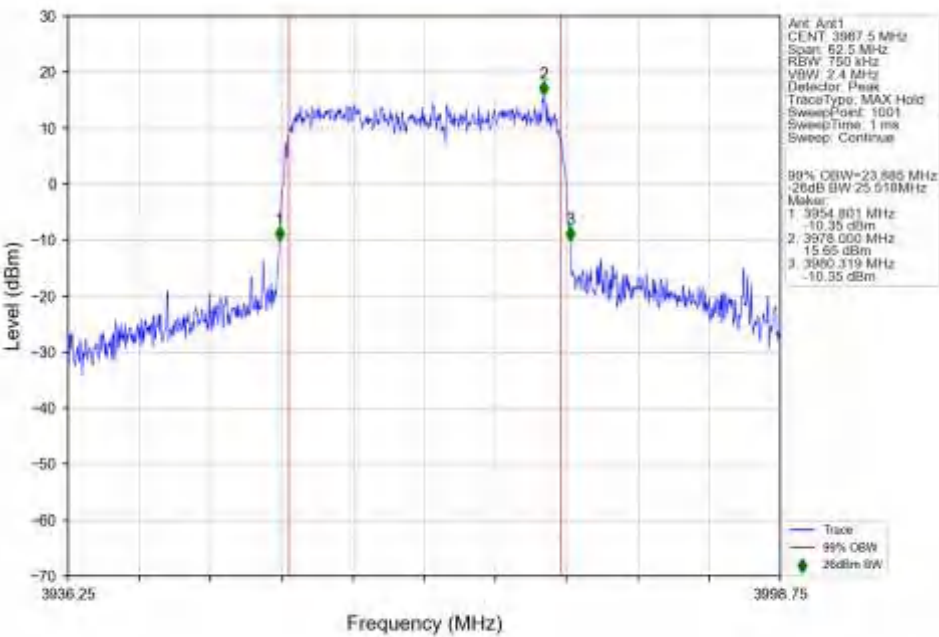
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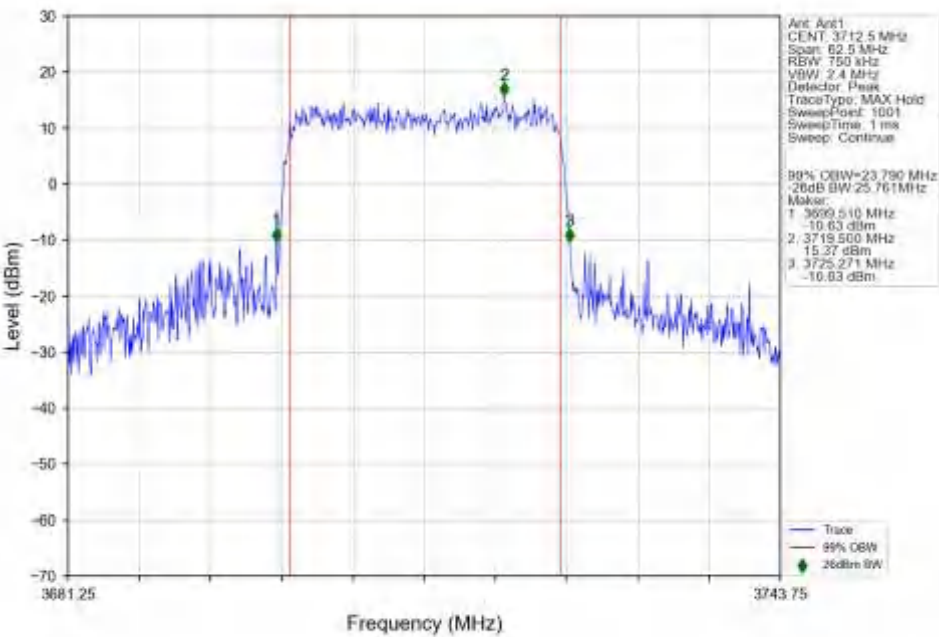
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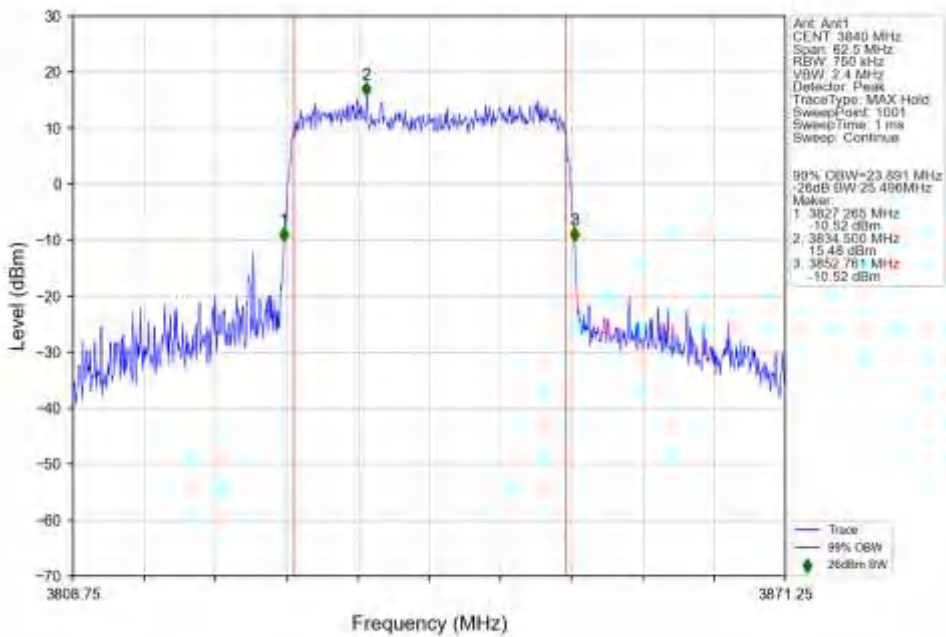
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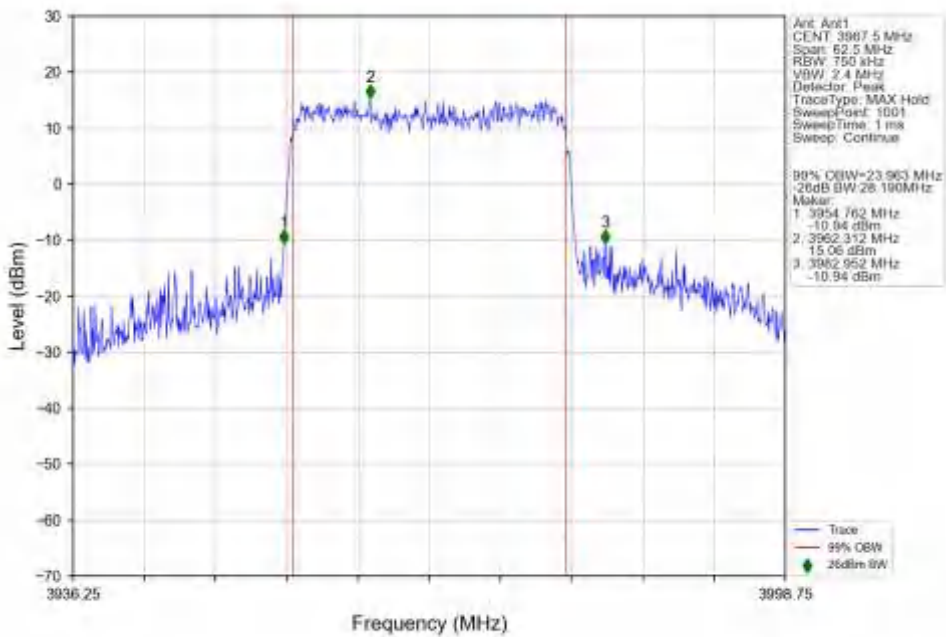
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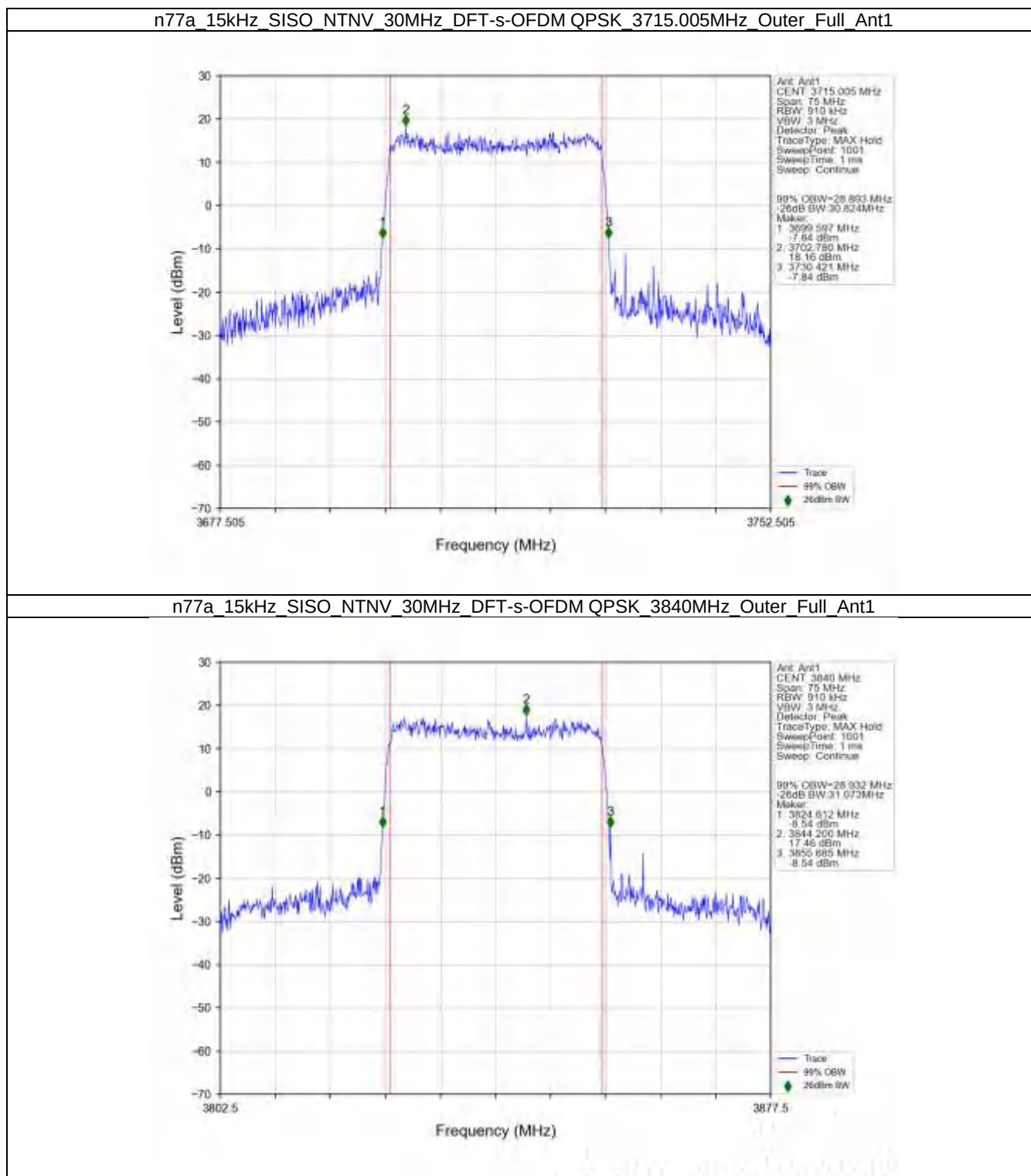
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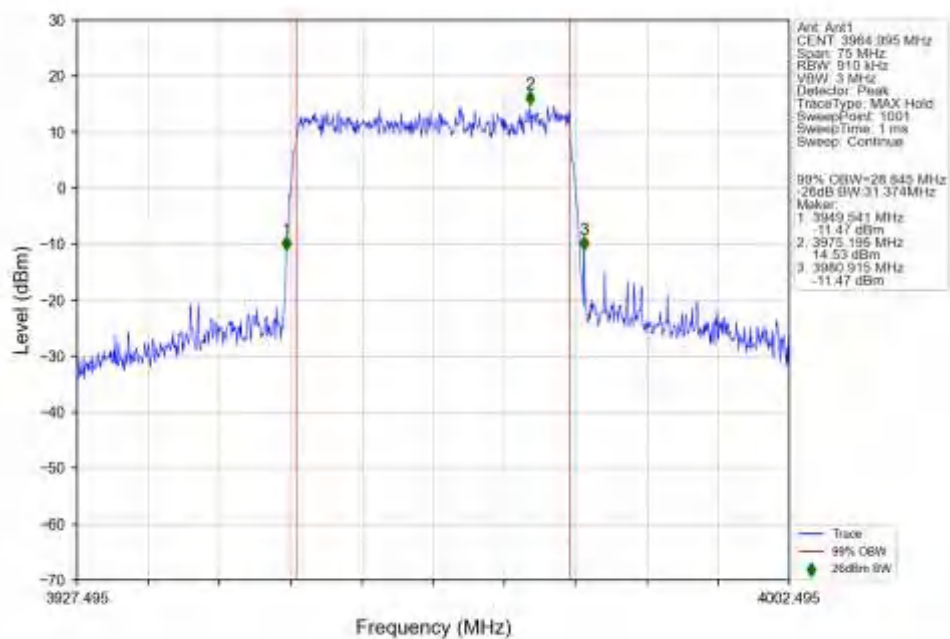
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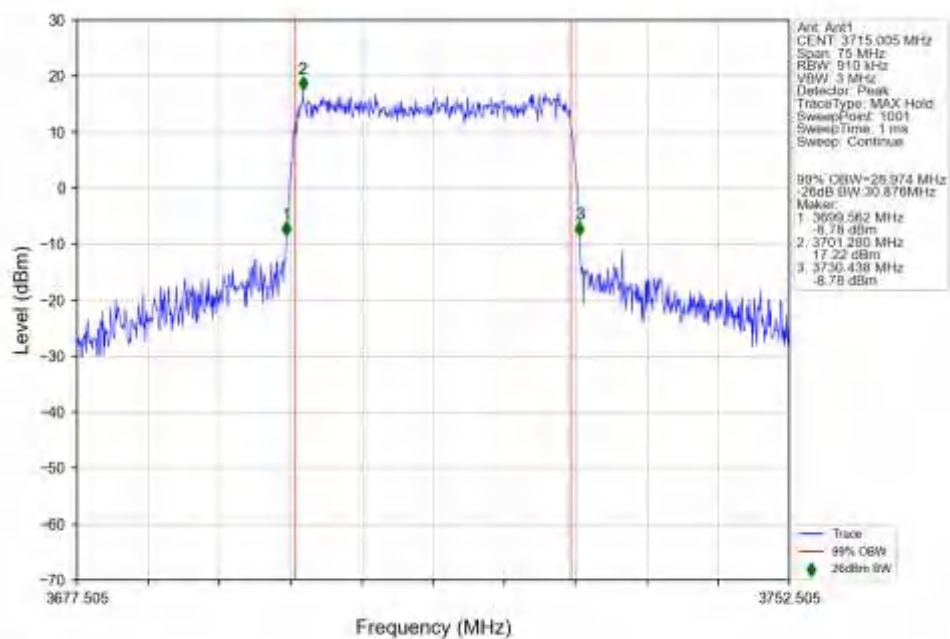
4.2.5 15k_SISO_30MHz_NTNV



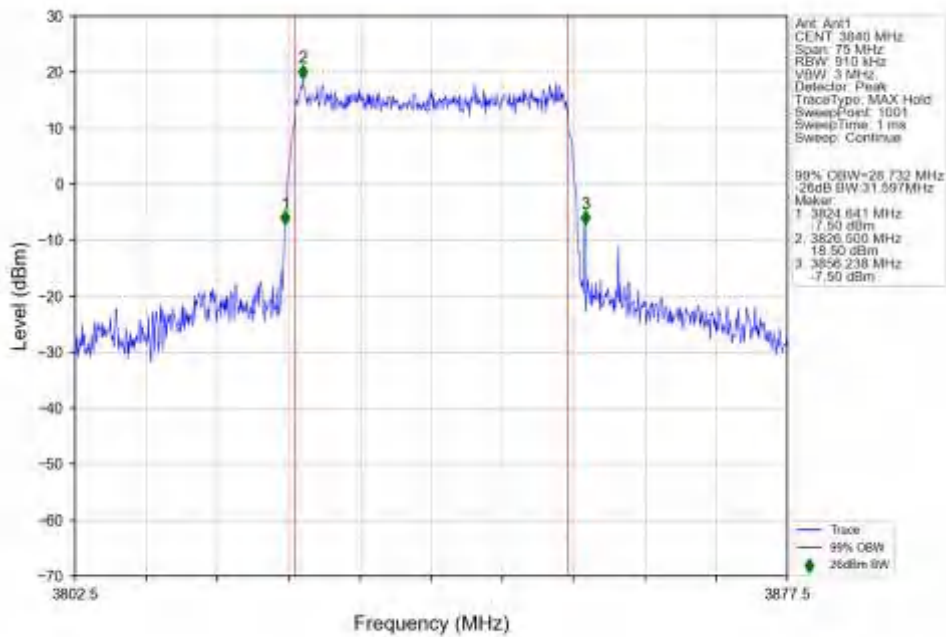
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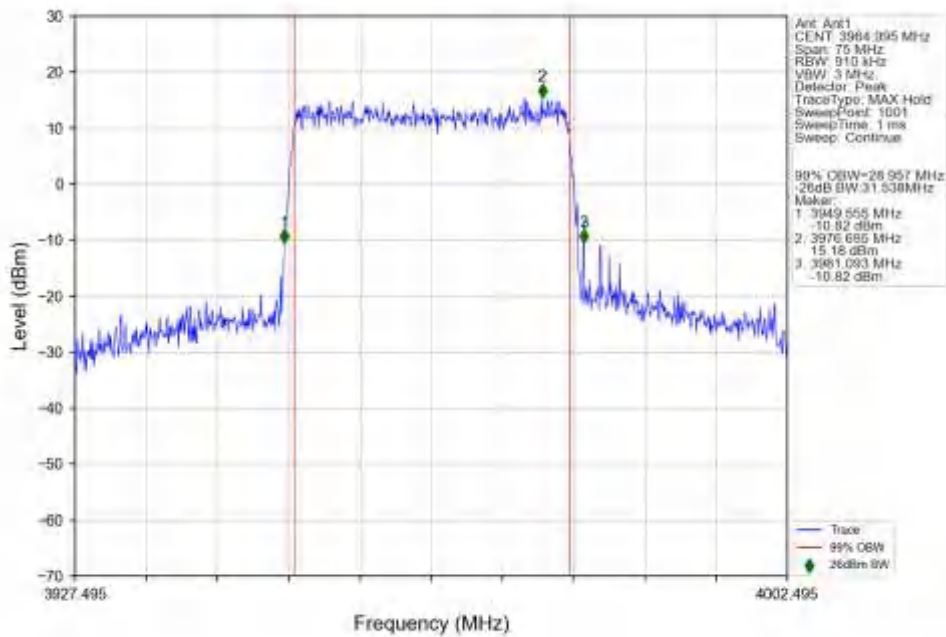
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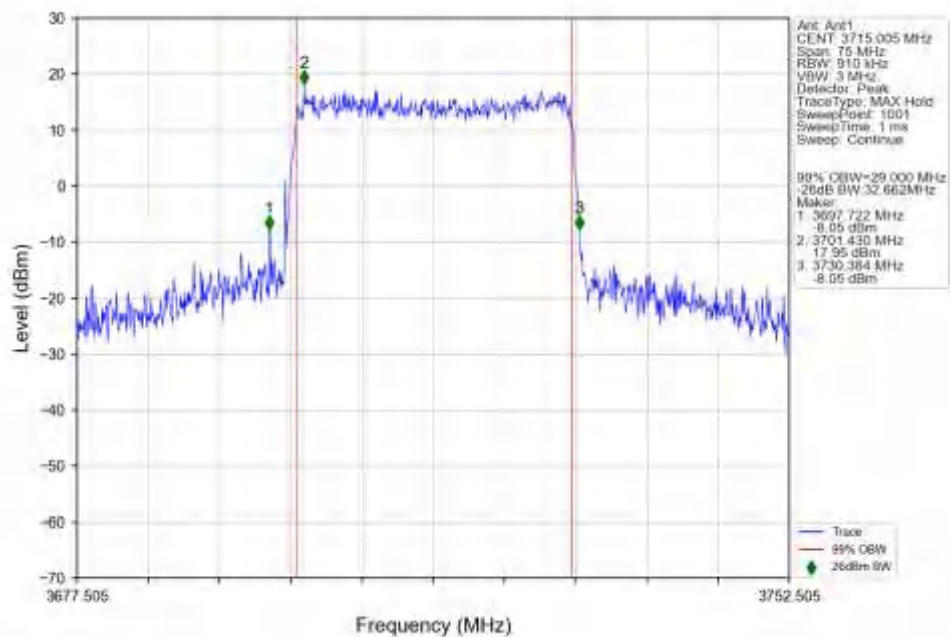
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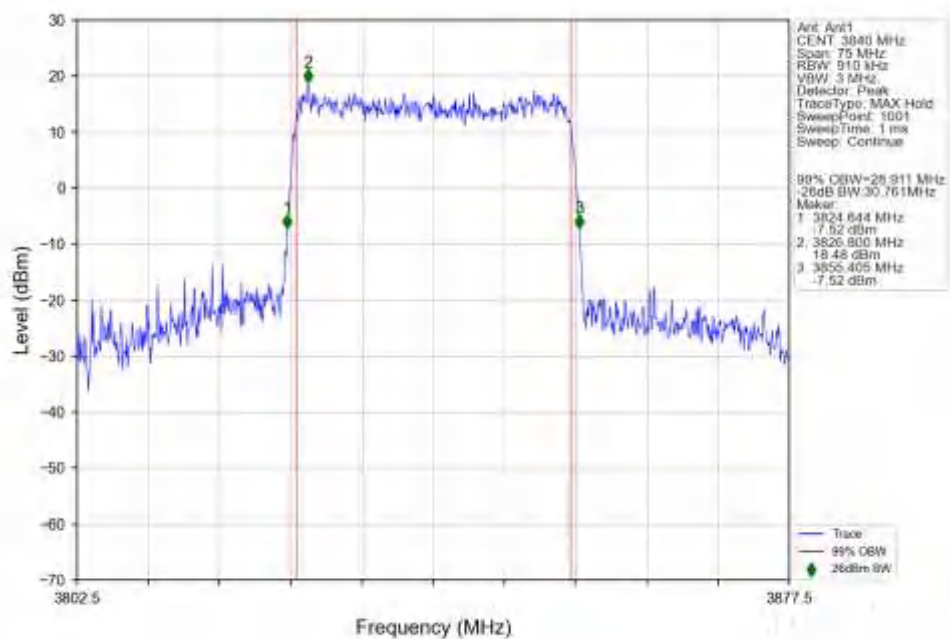
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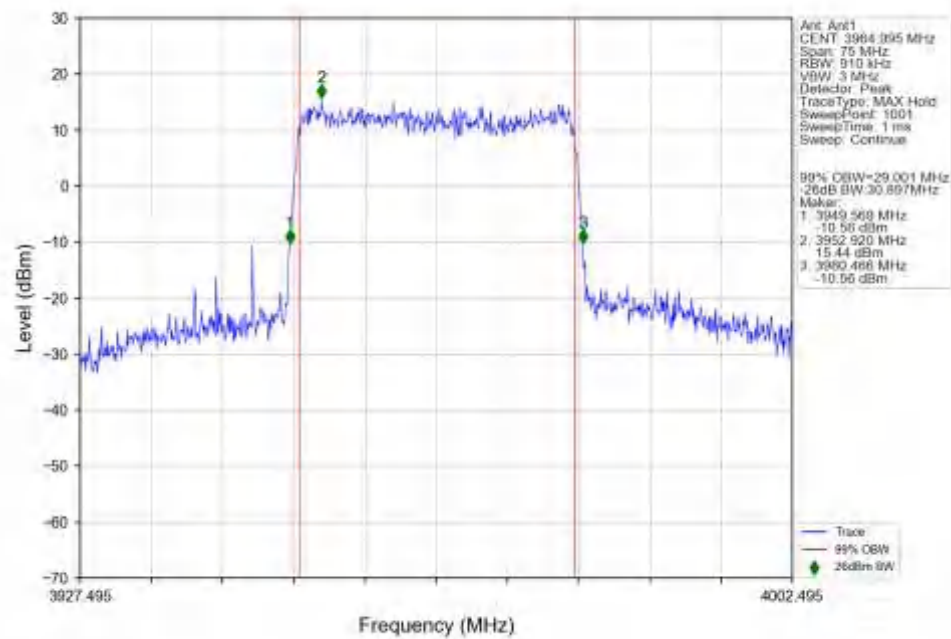
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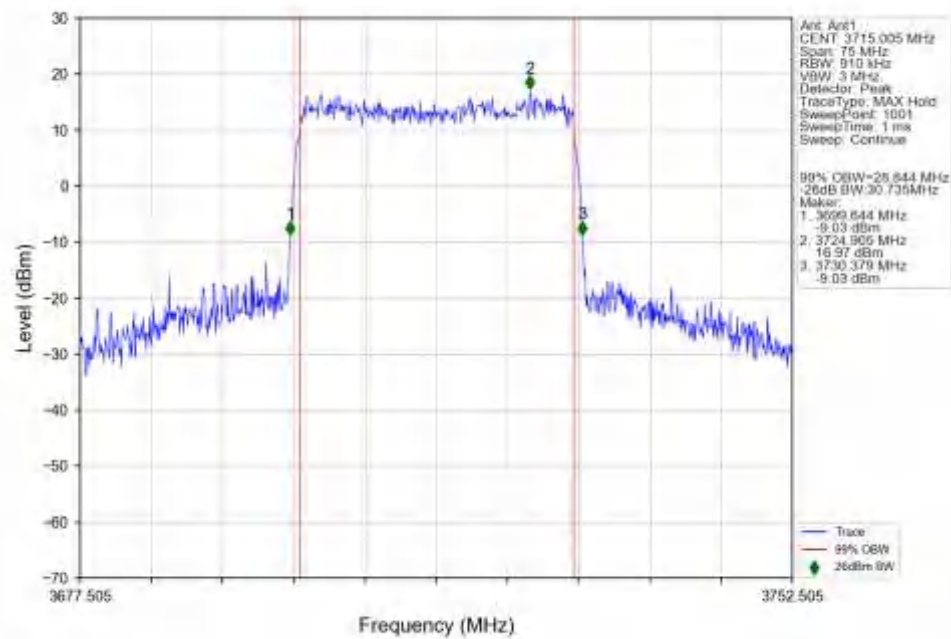
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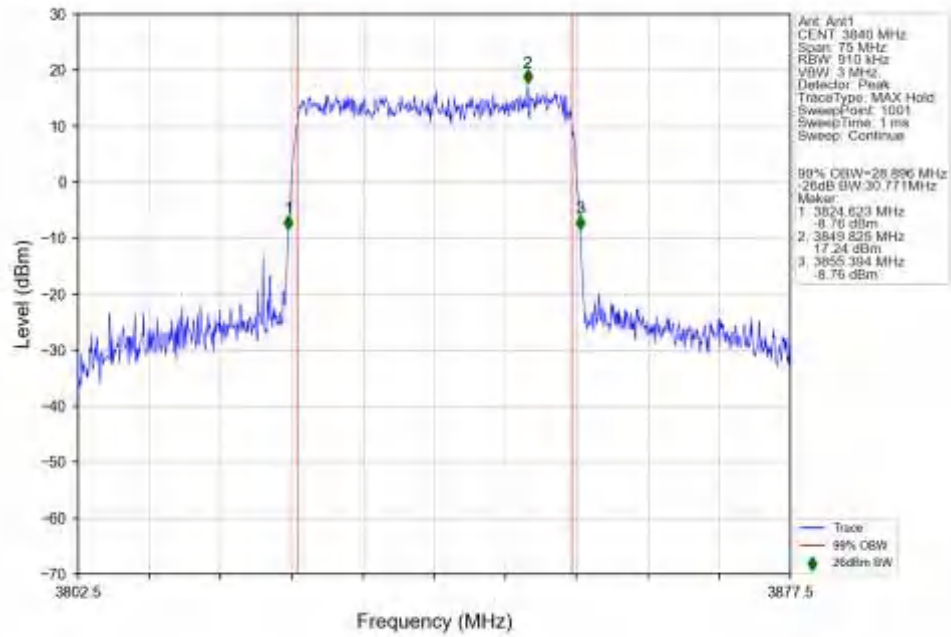
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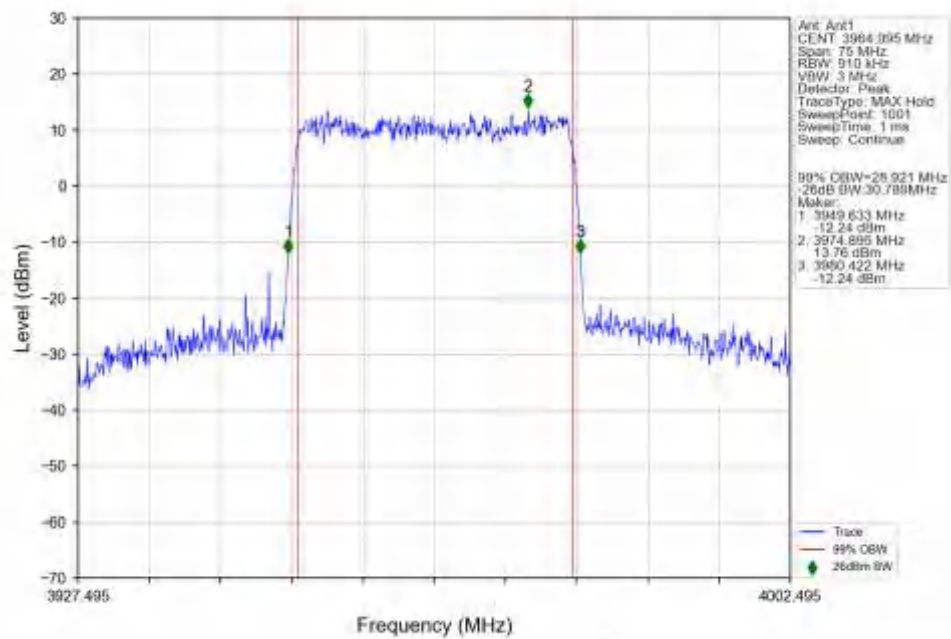
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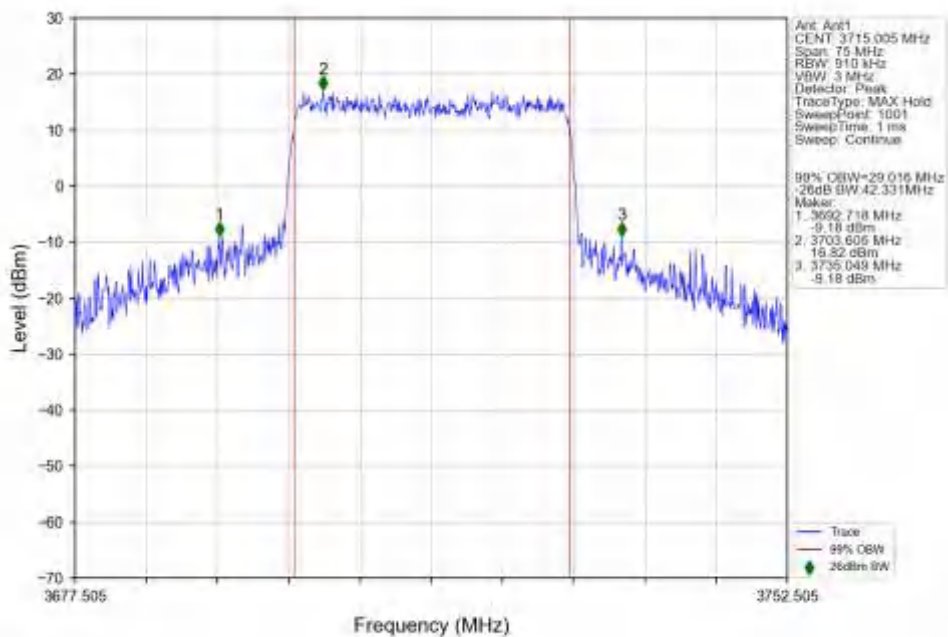
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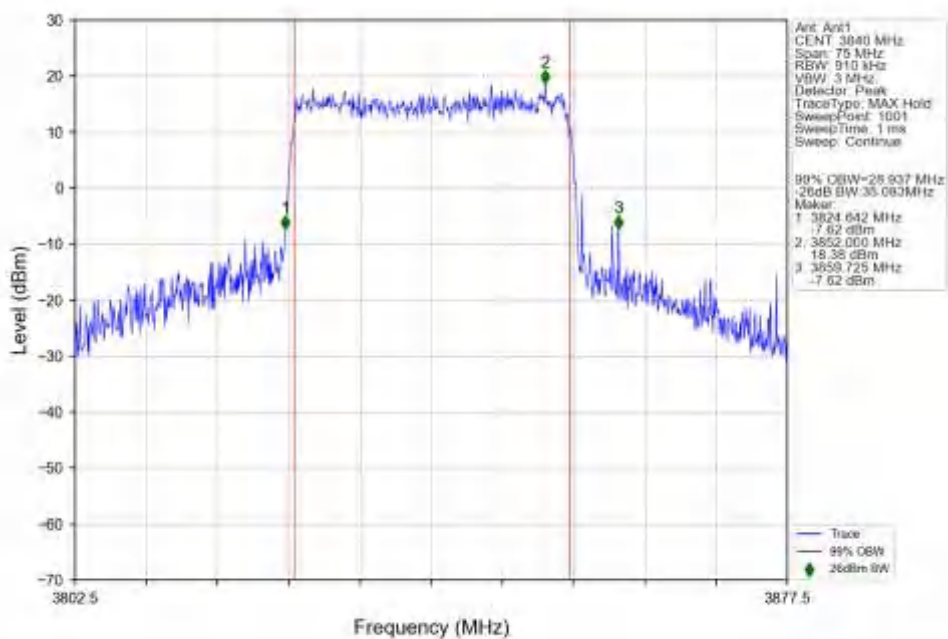
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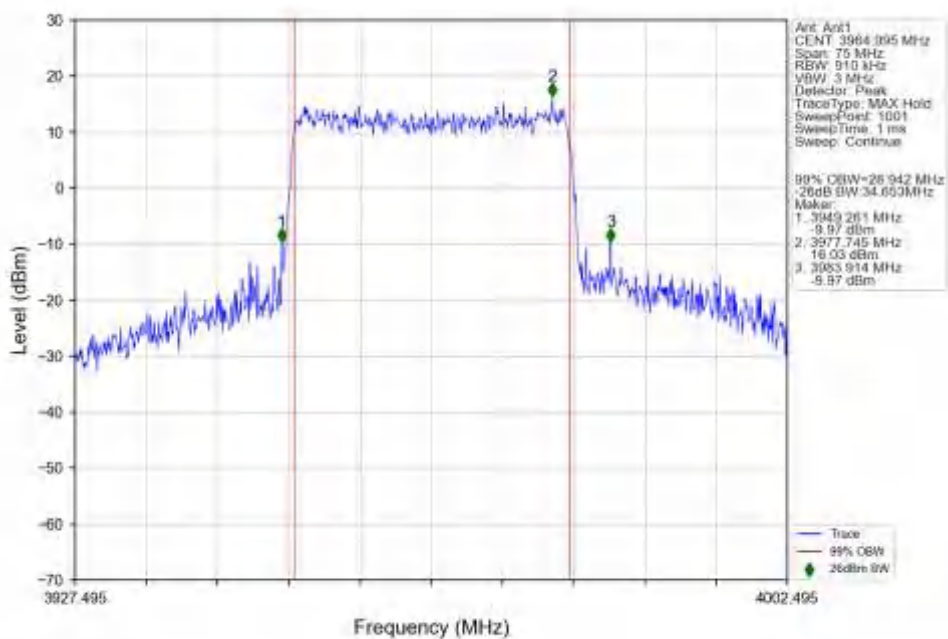
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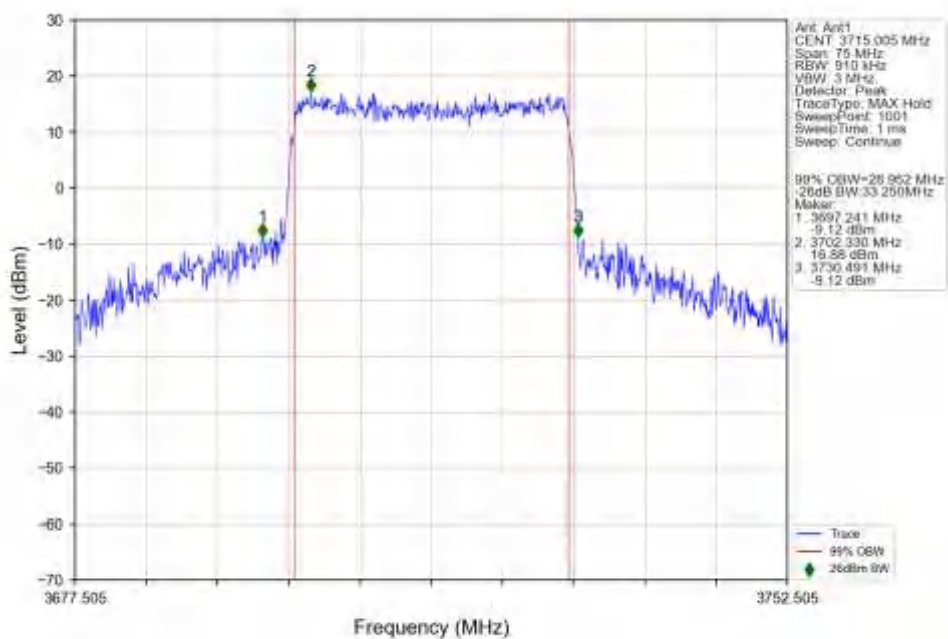
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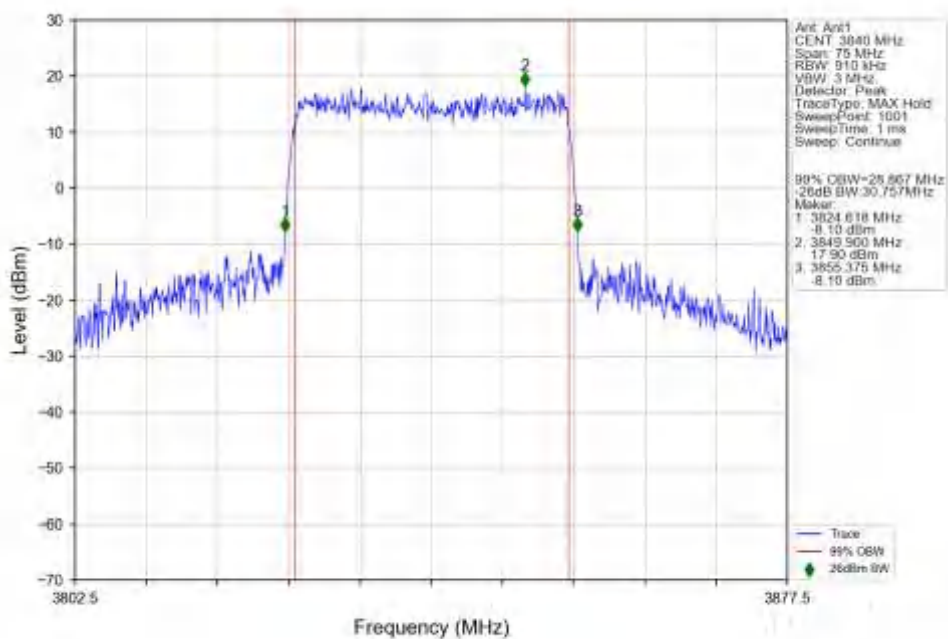
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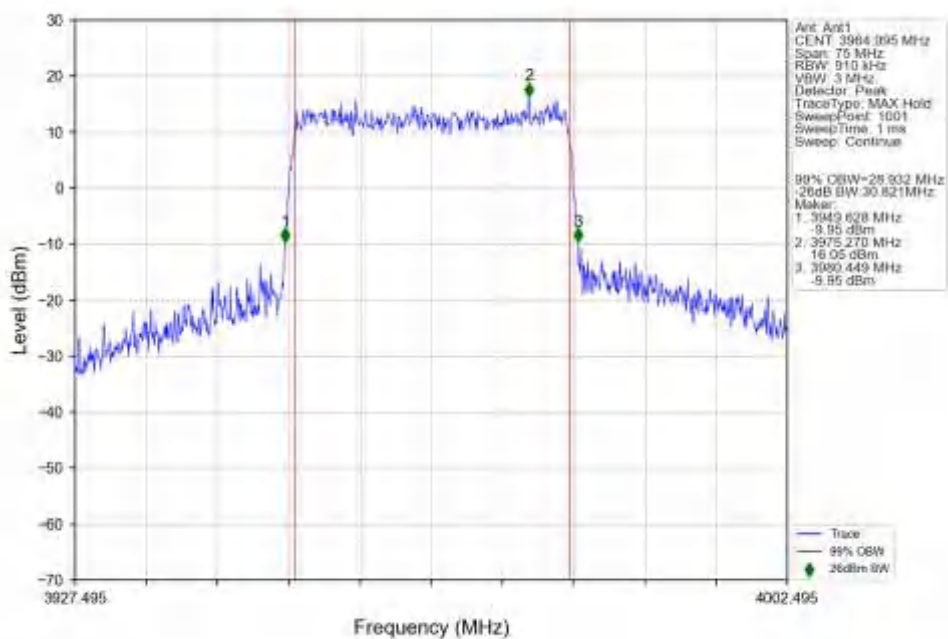
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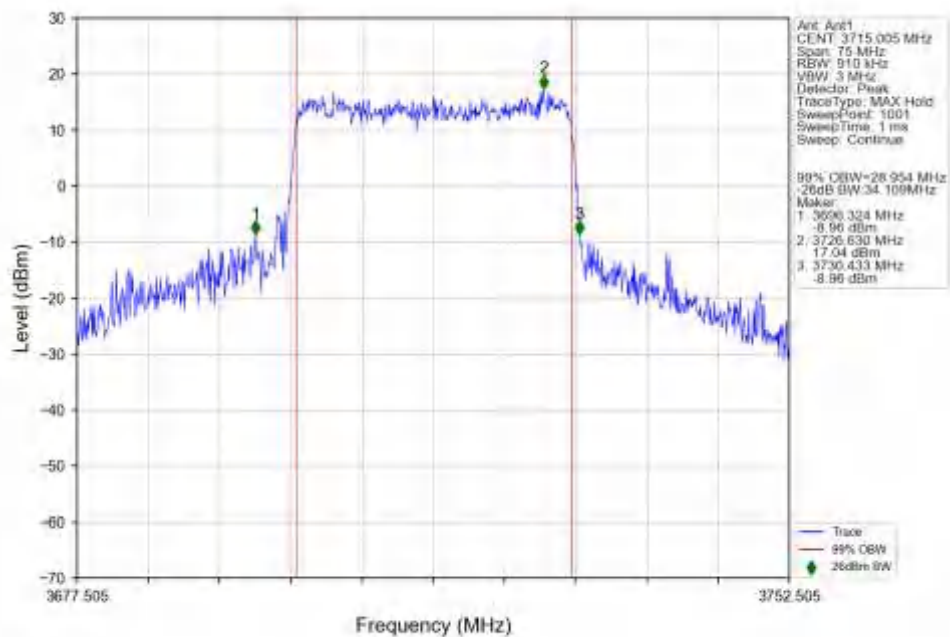
n77a 15kHz SISO NTN 30MHz CP-OFDM 16 QAM 3840MHz Outer Full Ant1



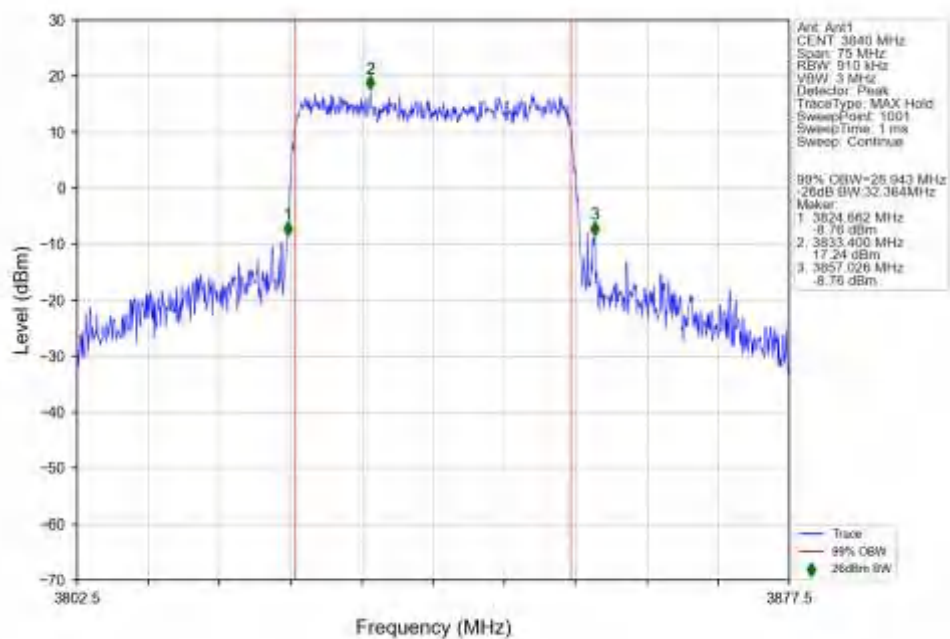
n77a 15kHz SISO NTN 30MHz CP-OFDM 16 QAM 3964.995MHz Outer Full Ant1



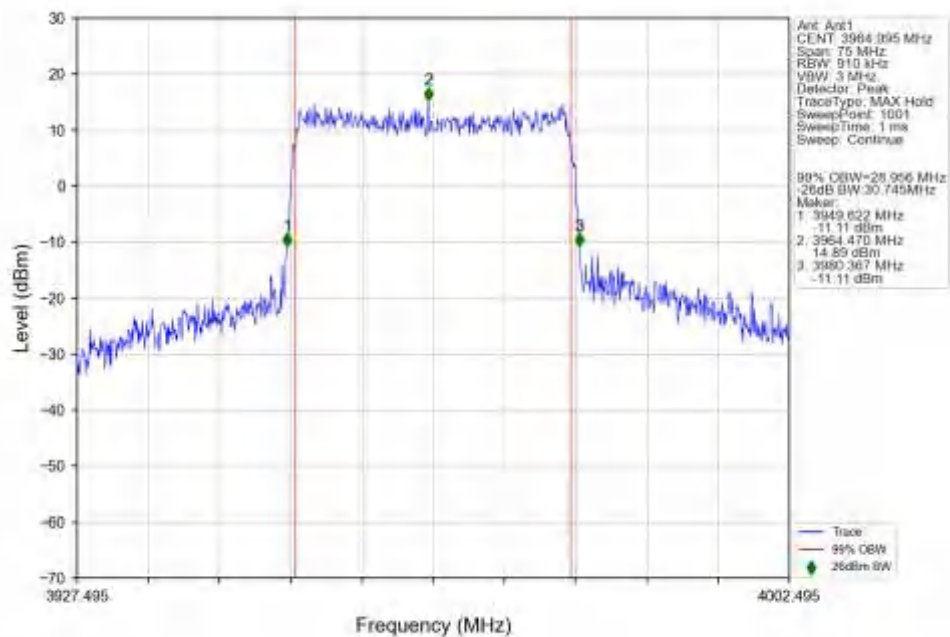
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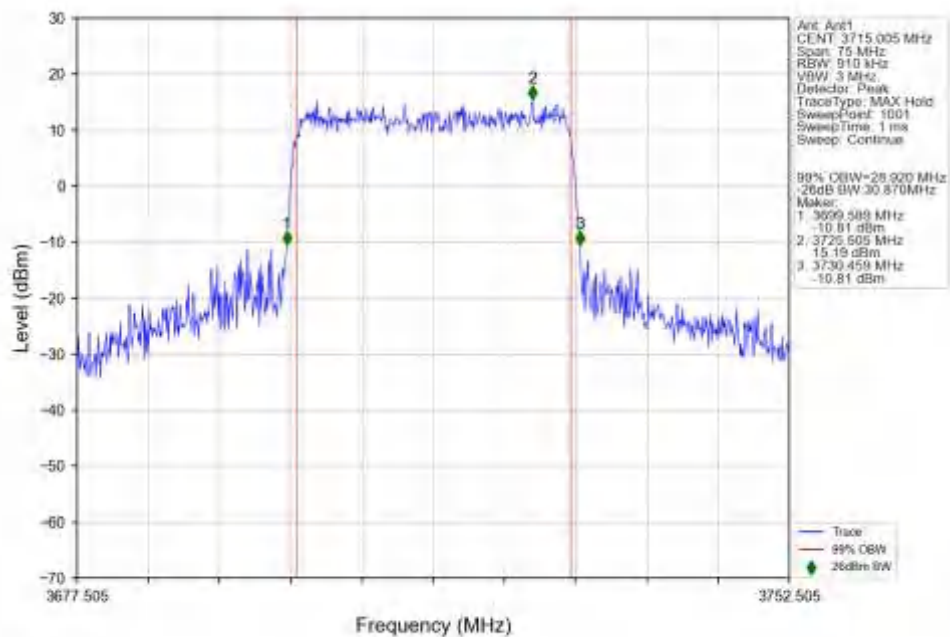
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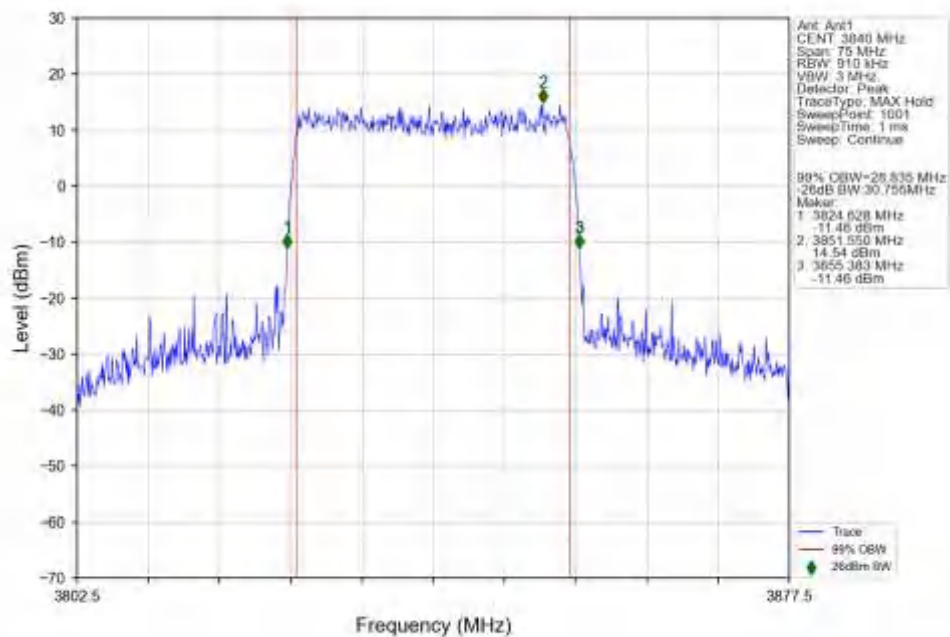
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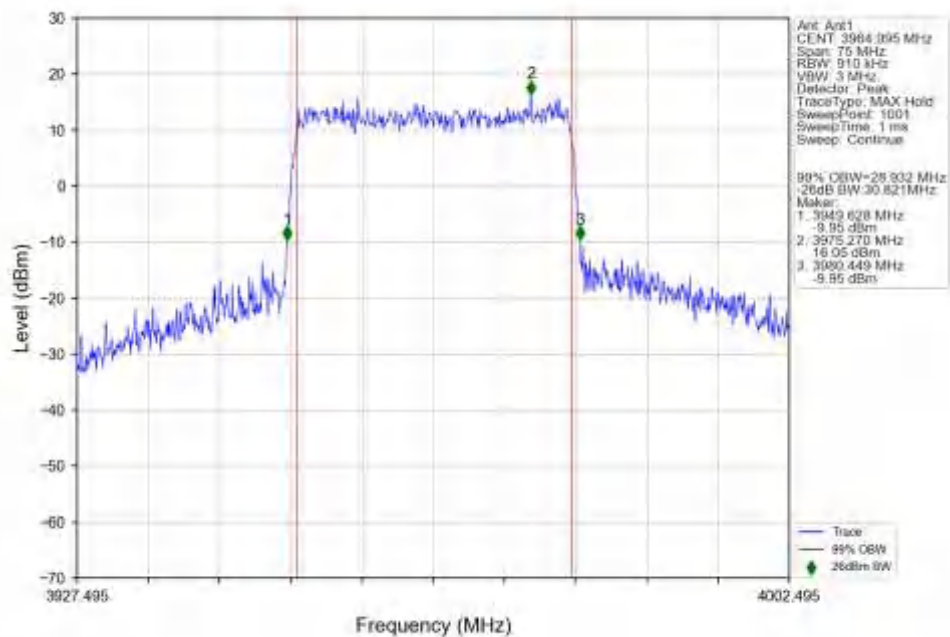
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n77a_15kHz_SISO_NTNV_30MHz_CP-OFDM_256_QAM_3840MHz_Outer_Full_Ant1

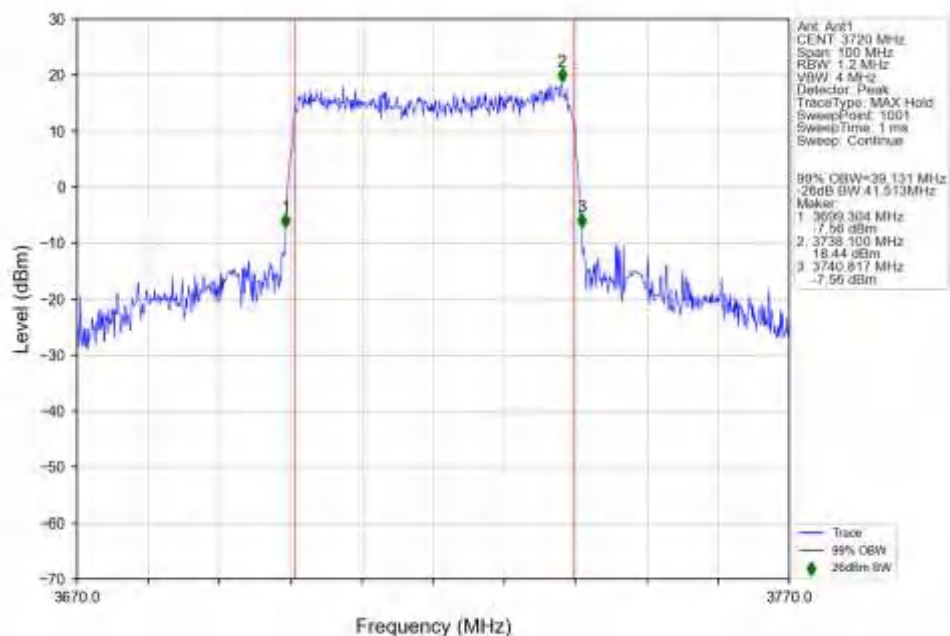


n77a_15kHz_SISO_NTNV_30MHz_CP-OFDM_256_QAM_3964.995MHz_Outer_Full_Ant1

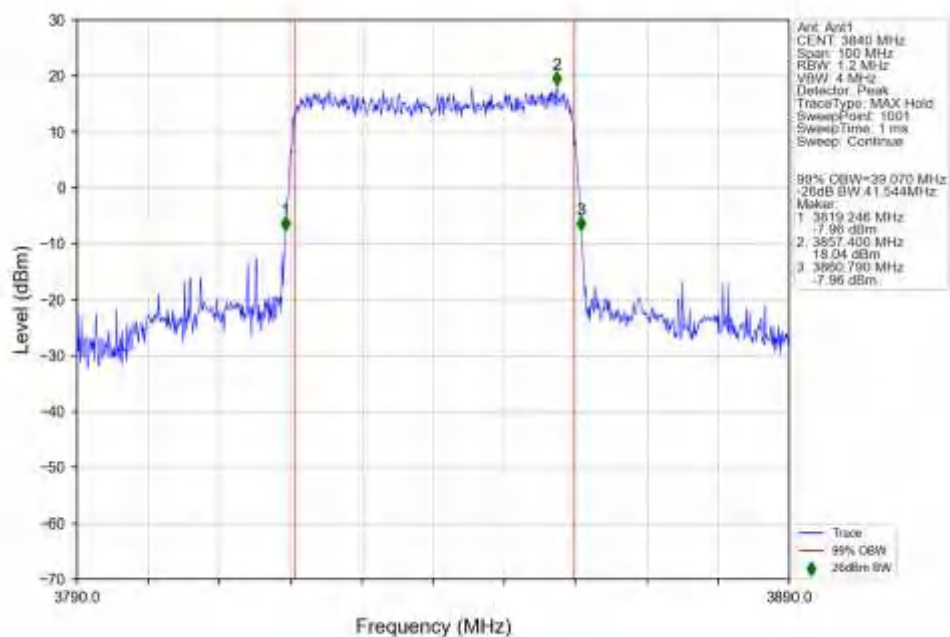


4.2.6 15k_SISO_40MHz_NTNV

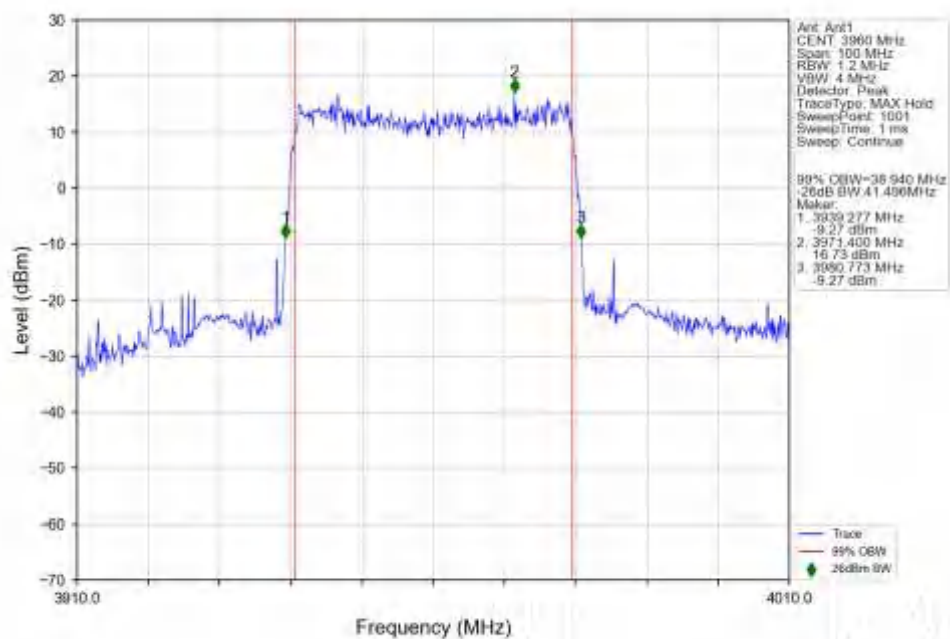
n77a_15kHz_SISO_NTNV_40MHz_DFT-s-OFDM QPSK_3720MHz_Outer_Full_Ant1



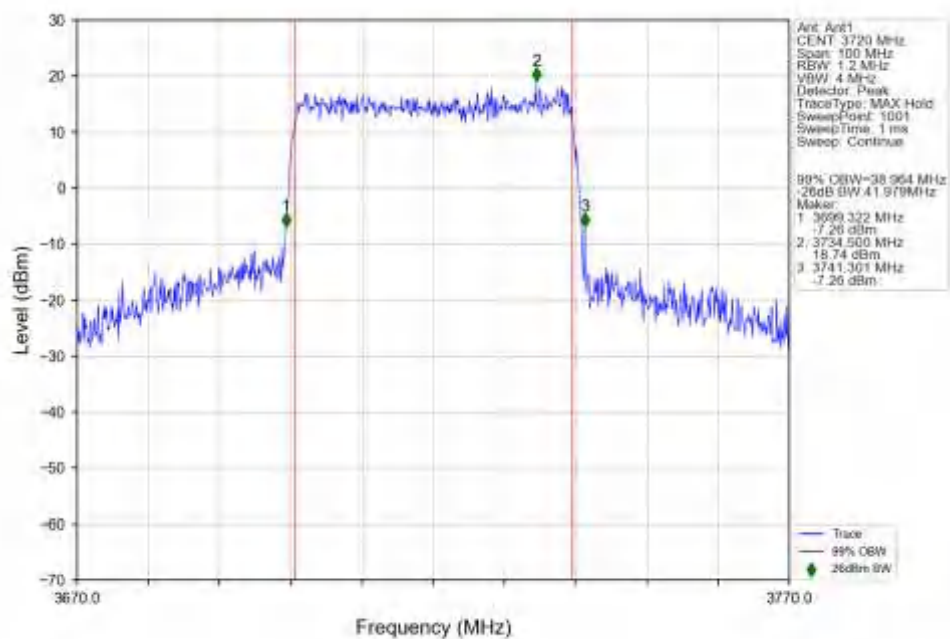
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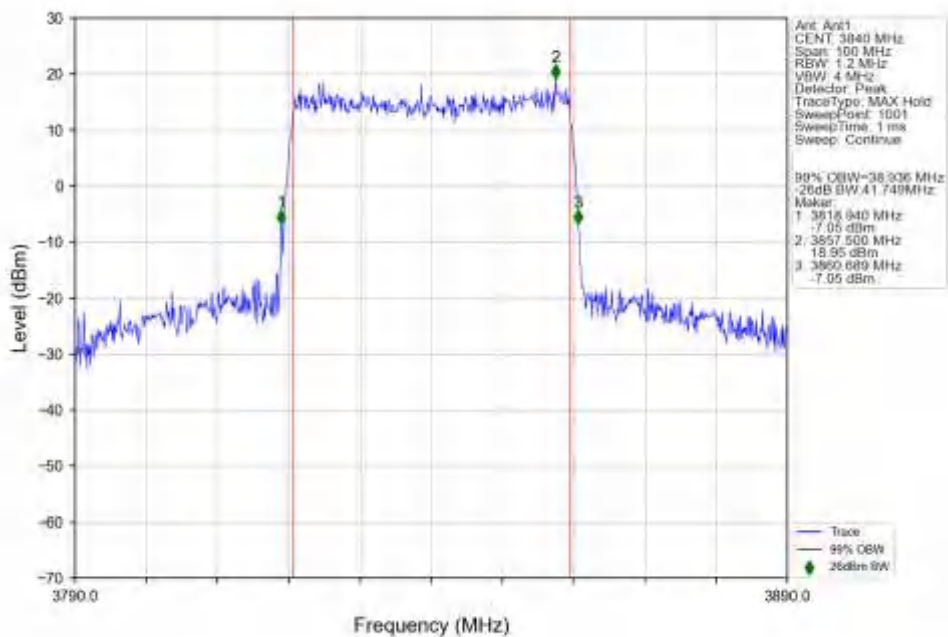
n77a_15kHz_SISO_NTNV_40MHz_DFT-s-OFDM_QPSK_3960MHz_Outer_Full_Ant1



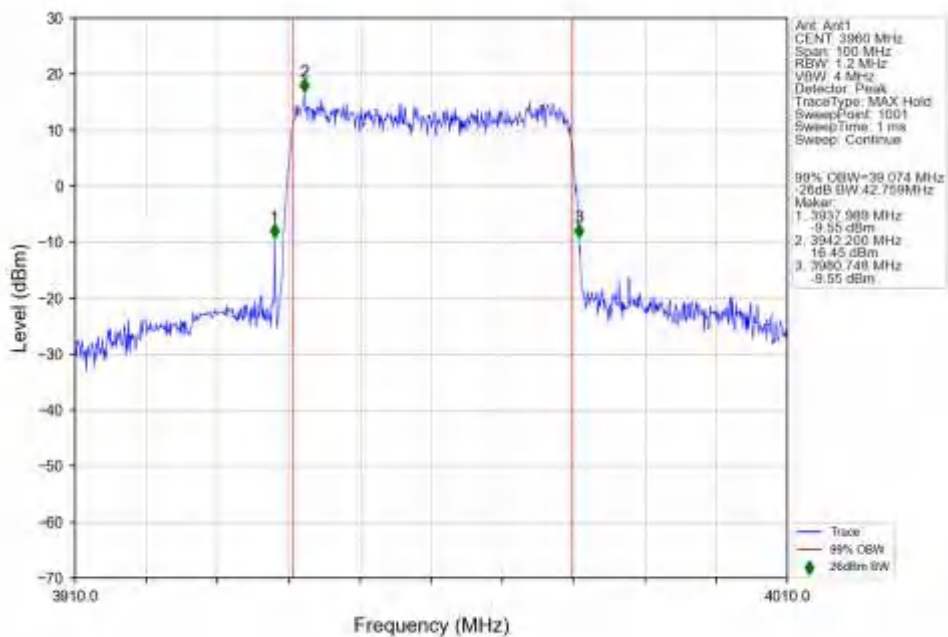
n77a_15kHz_SISO_NTNV_40MHz_DFT-s-OFDM_16_QAM_3720MHz_Outer_Full_Ant1



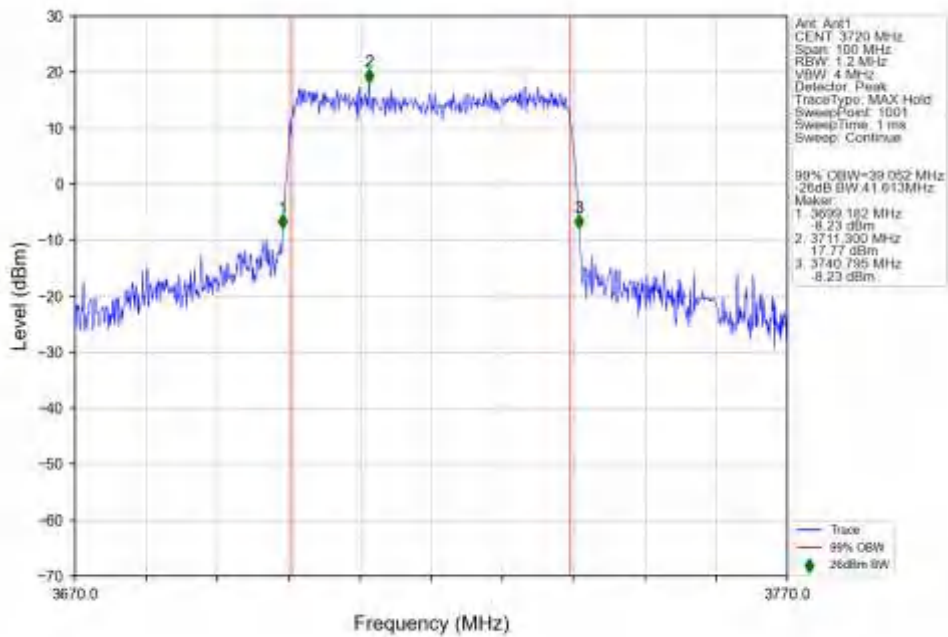
n77a 15kHz SISO NTN 40MHz DFT-s-OFDM 16 QAM 3840MHz Outer Full Ant1



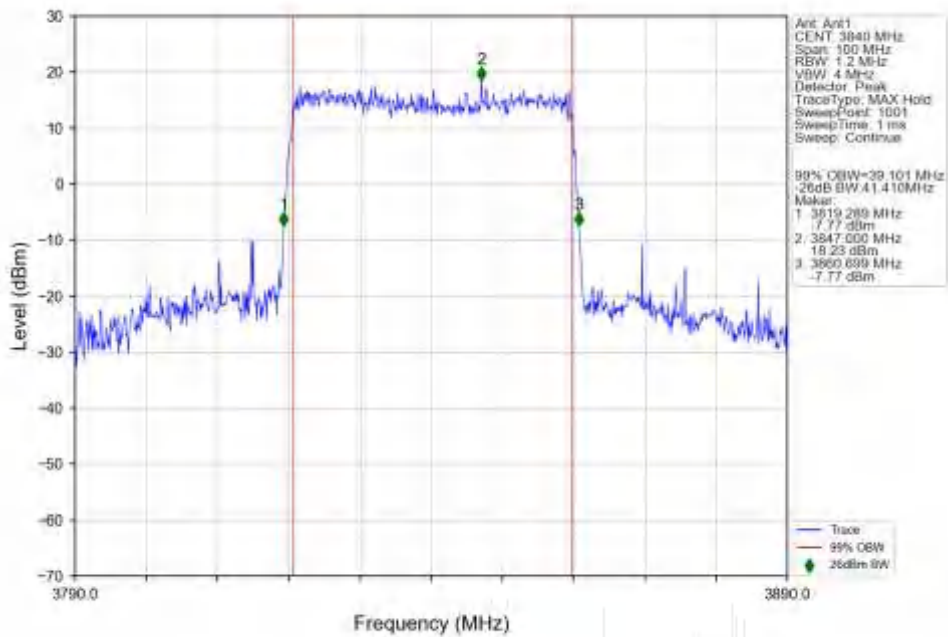
n77a 15kHz SISO NTN 40MHz DFT-s-OFDM 16 QAM 3960MHz Outer Full Ant1



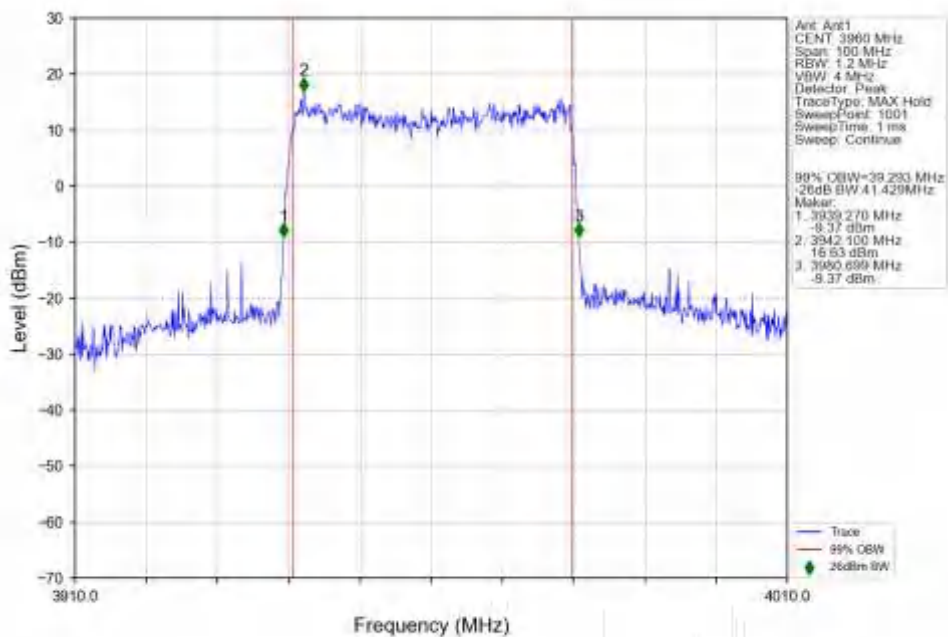
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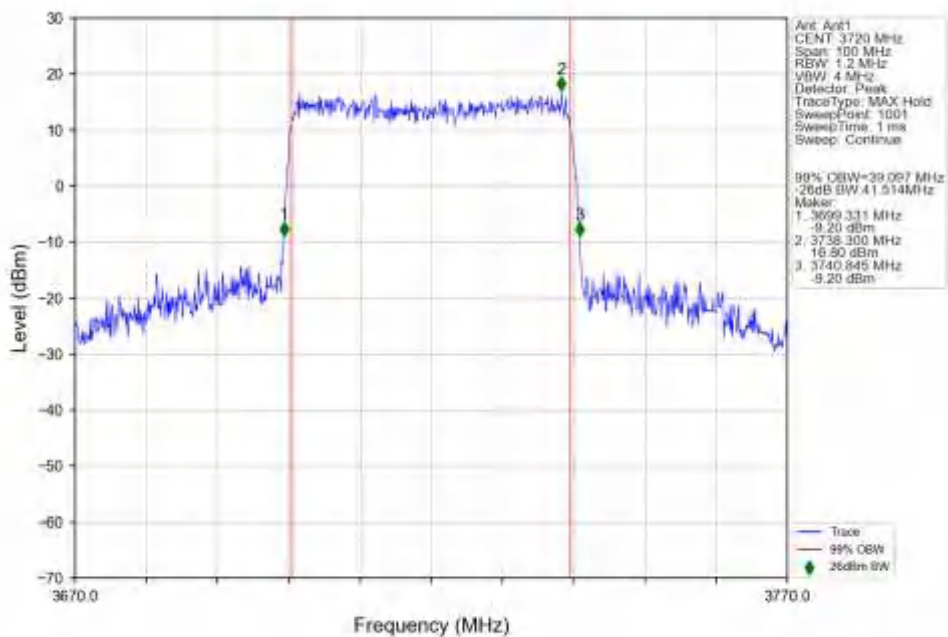
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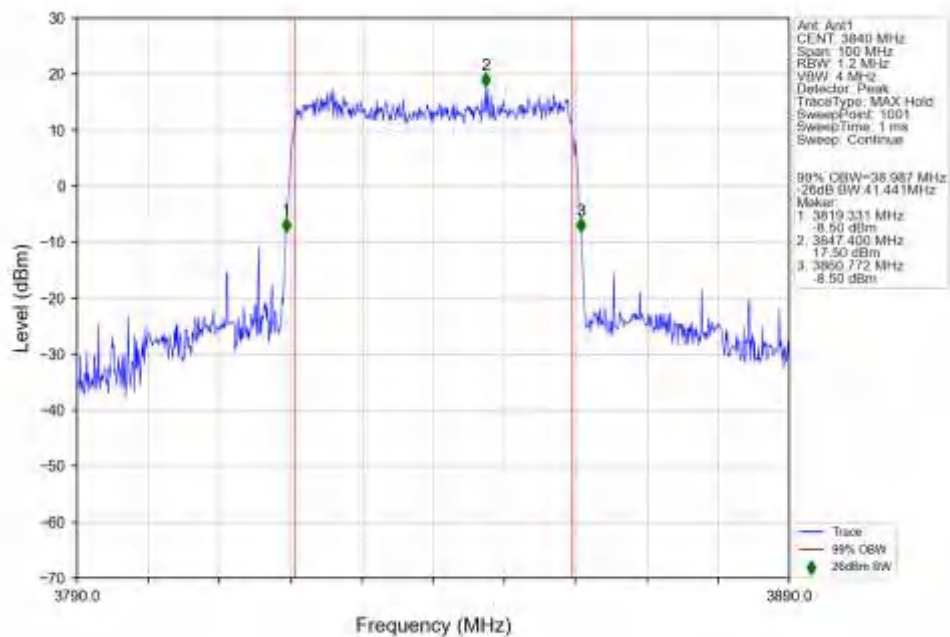
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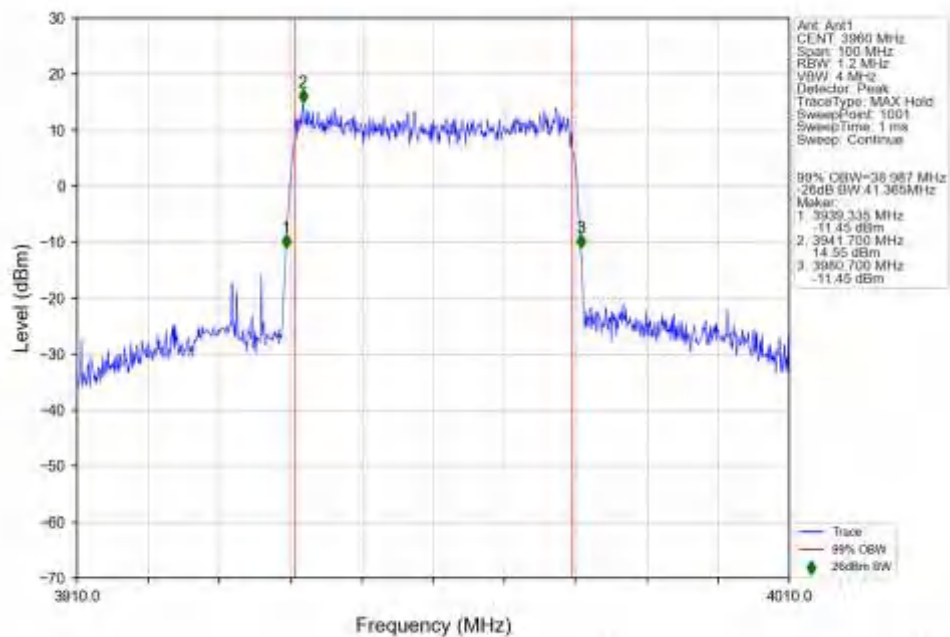
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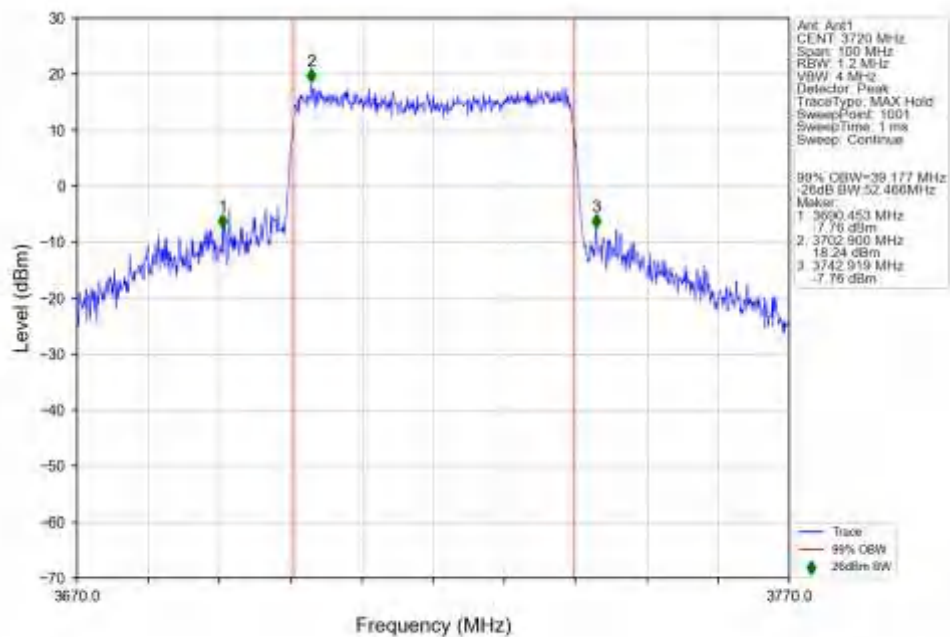
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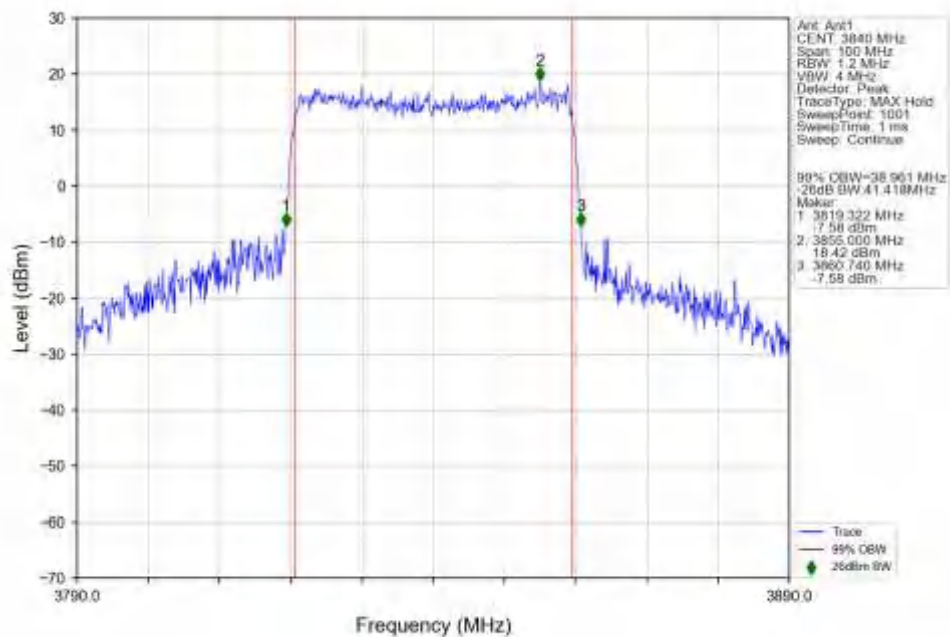
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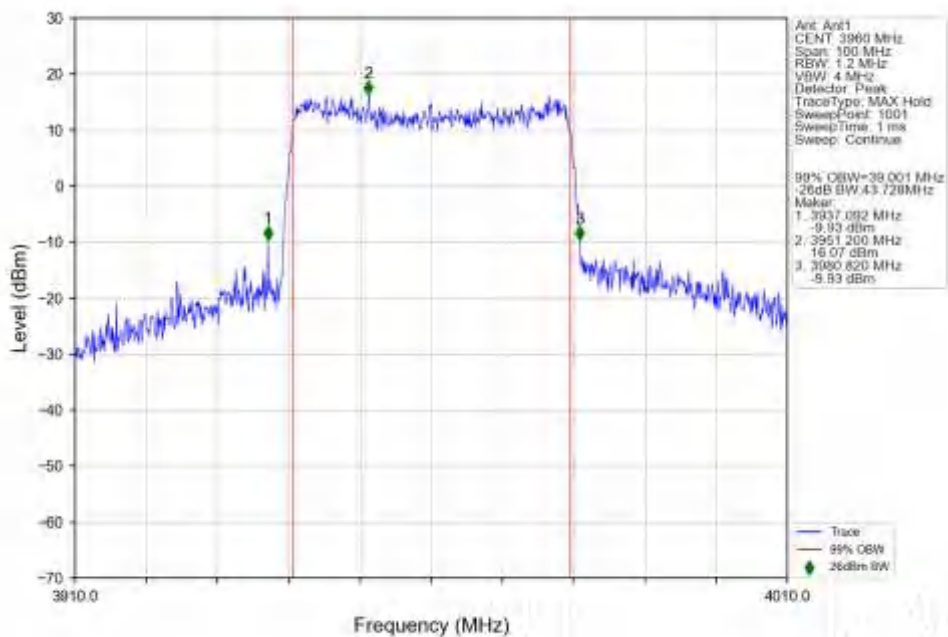
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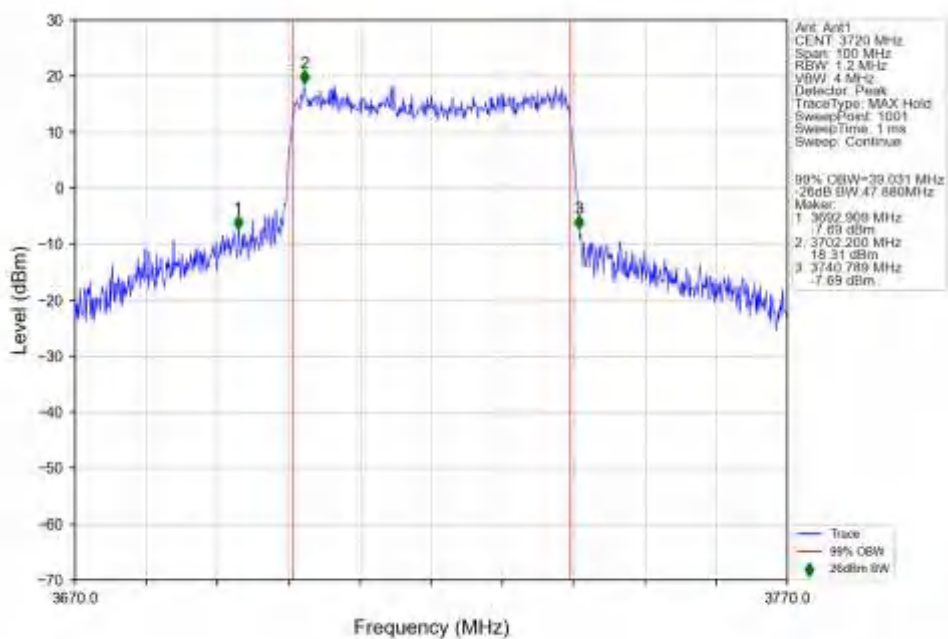
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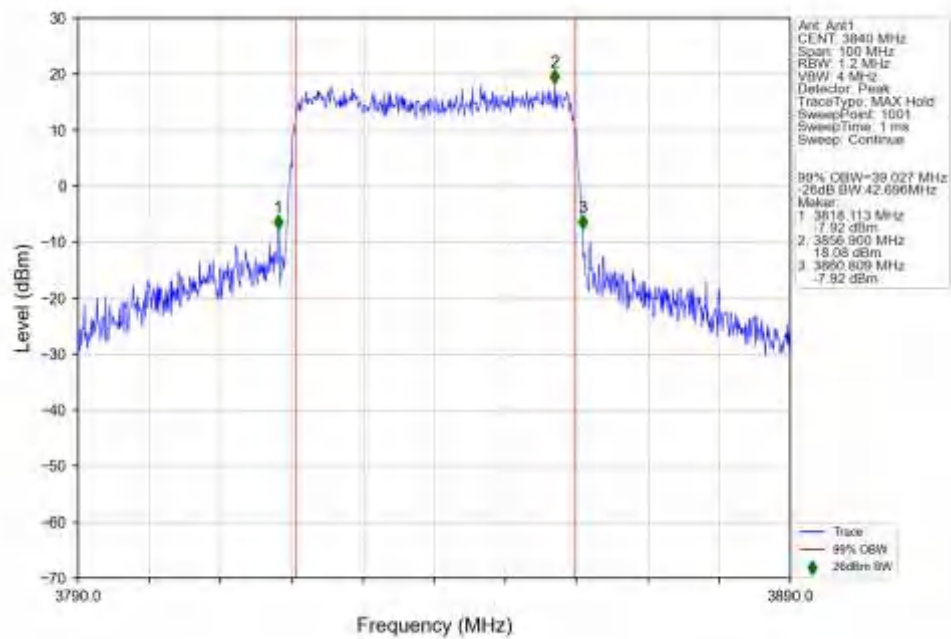
n77a 15kHz SISO NTN 40MHz CP-OFDM QPSK 3960MHz Outer Full Ant1



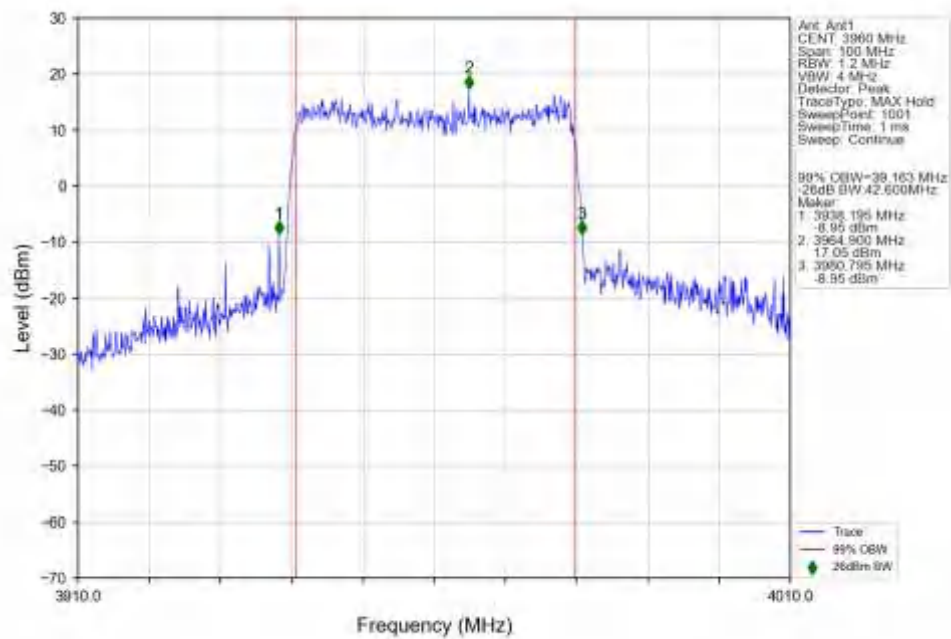
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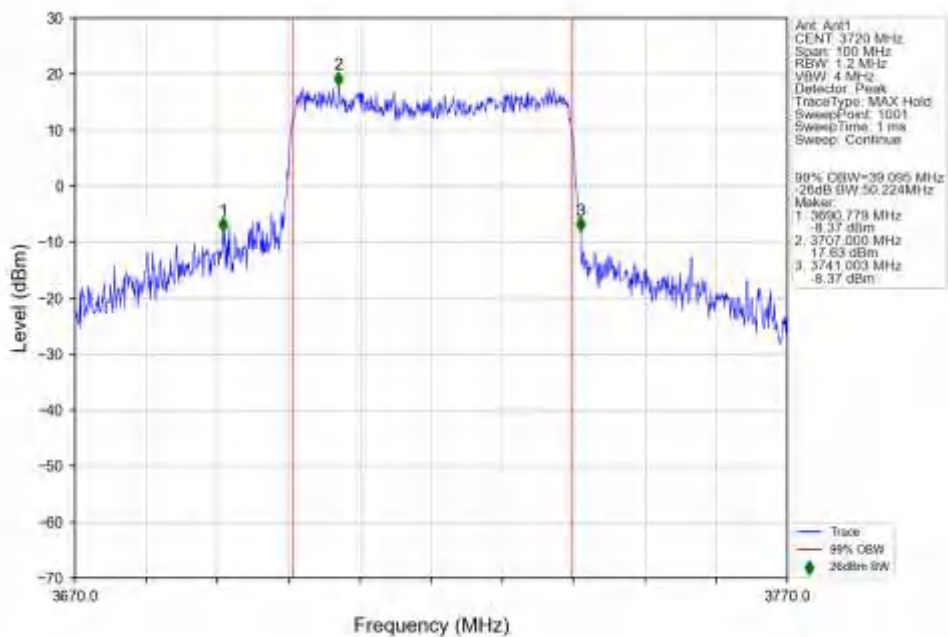
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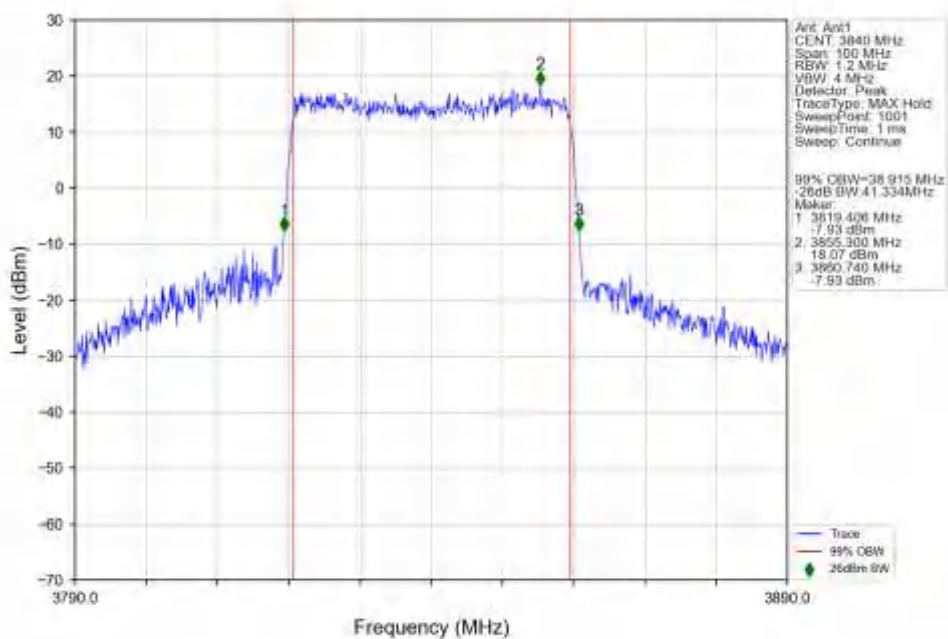
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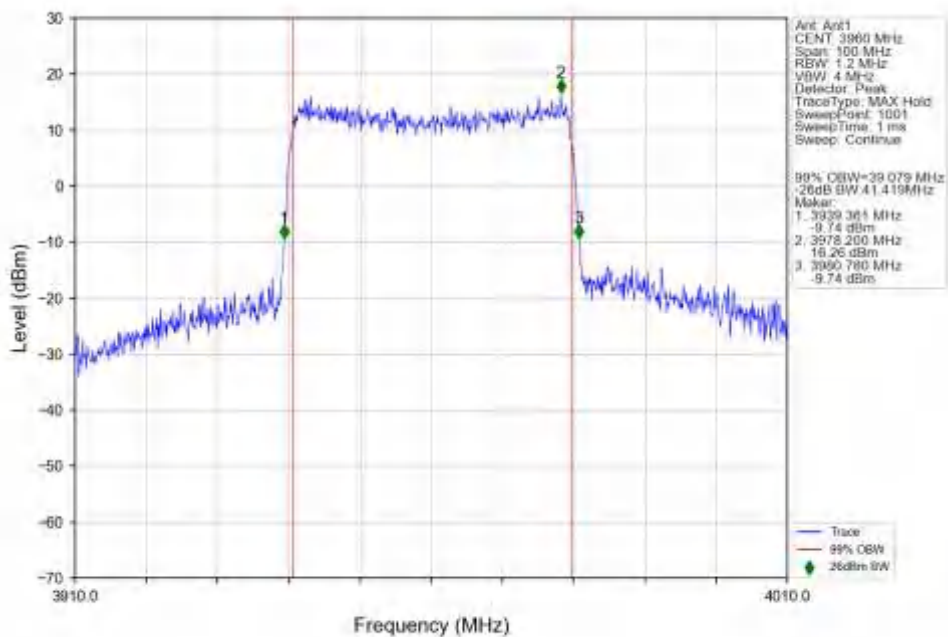
n77a 15kHz SISO NTN 40MHz CP-OFDM 64 QAM 3720MHz Outer Full Ant1



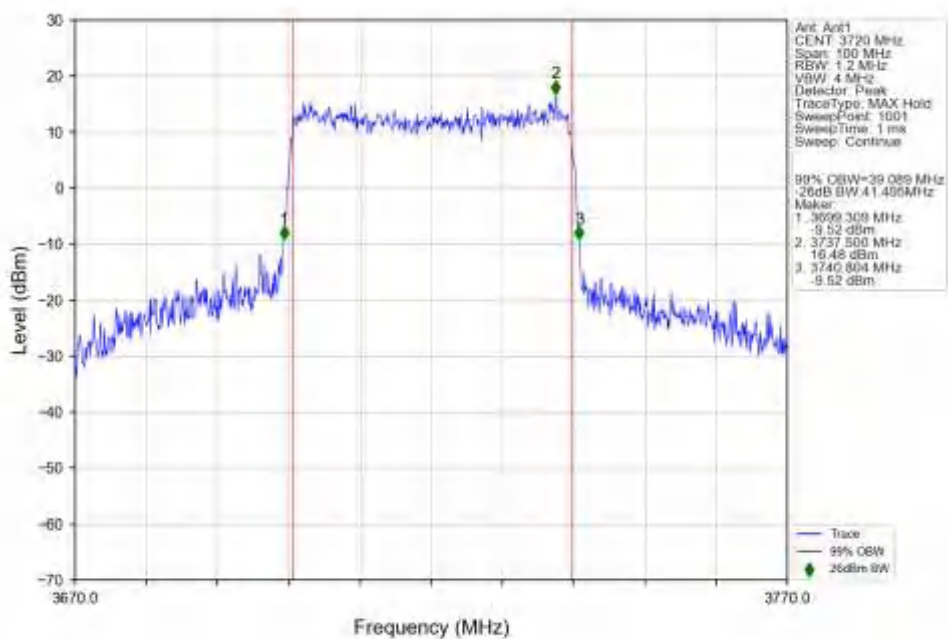
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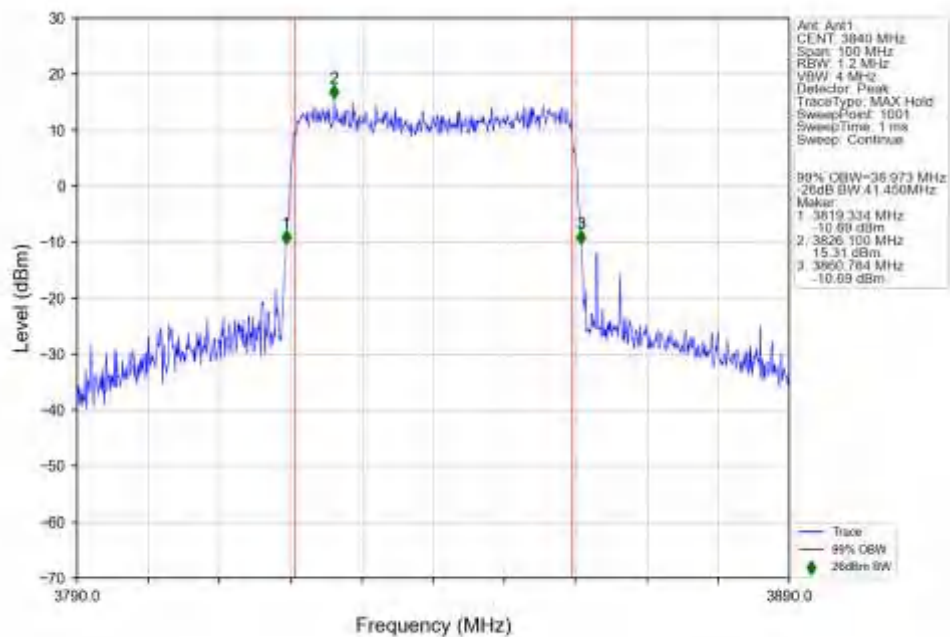
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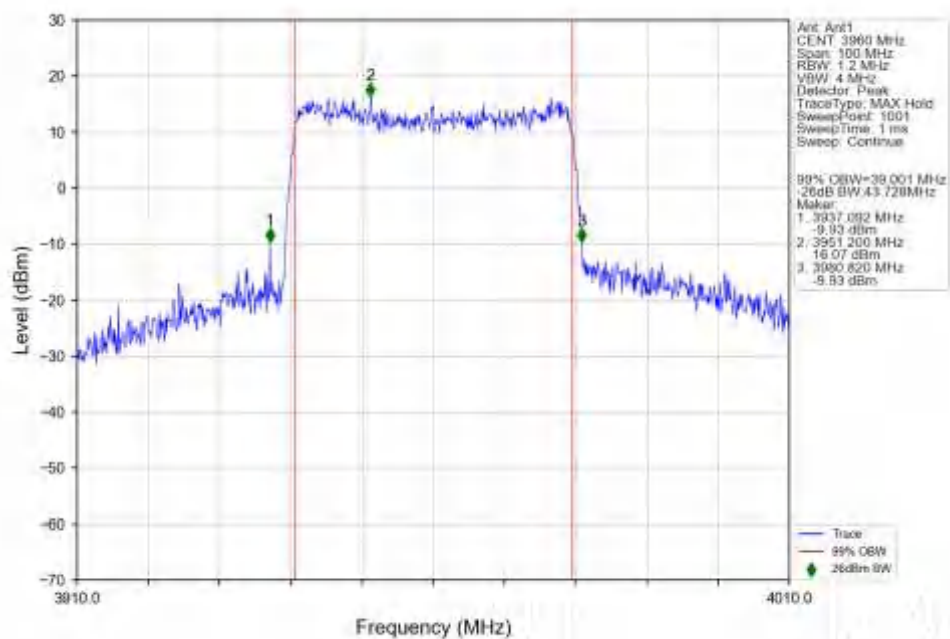
n77a_15kHz_SISO_NTNV_40MHz_CP-OFDM_256_QAM_3720MHz_Outer_Full_Ant1



n77a_15kHz_SISO_NTNV_40MHz_CP-OFDM_256_QAM_3840MHz_Outer_Full_Ant1

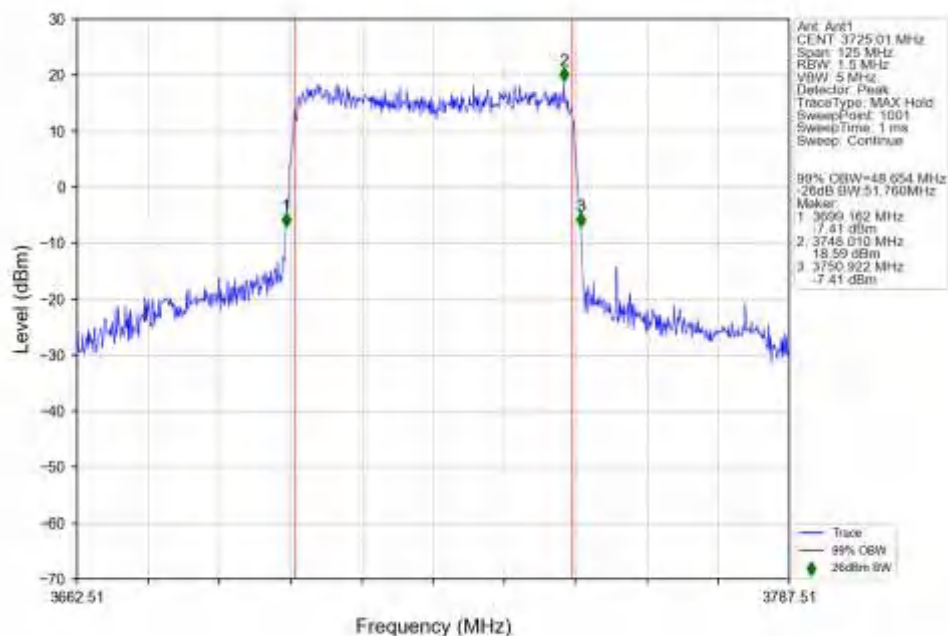


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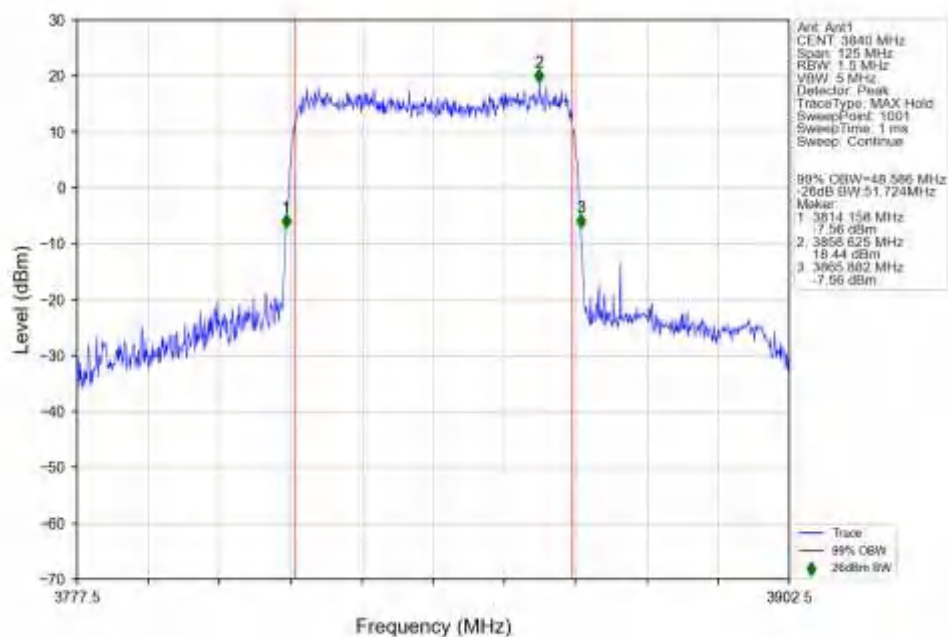


4.2.7 15k_SISO_50MHz_NTNV

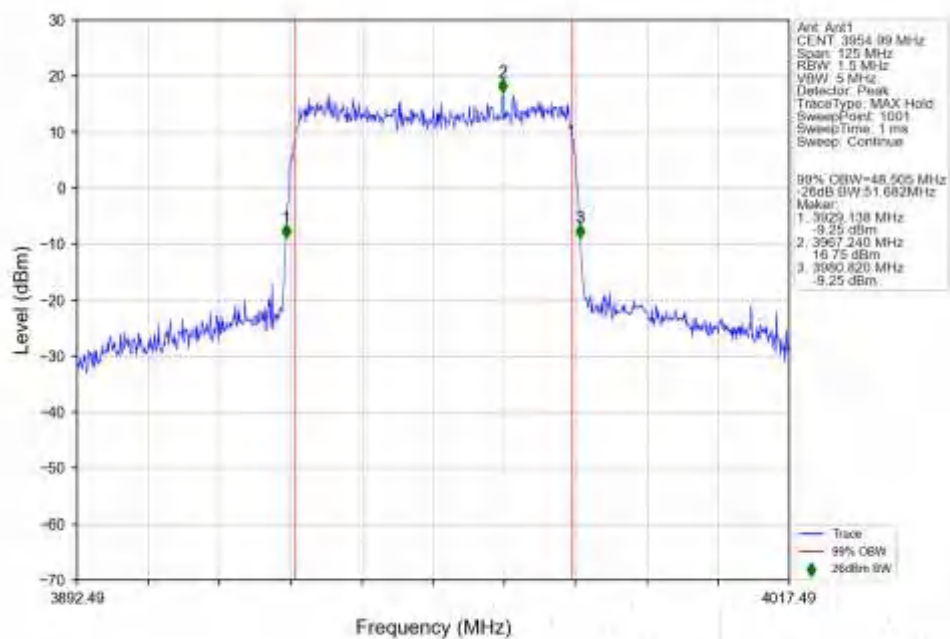
n77a_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM QPSK_3725.01MHz_Outer_Full_Ant1



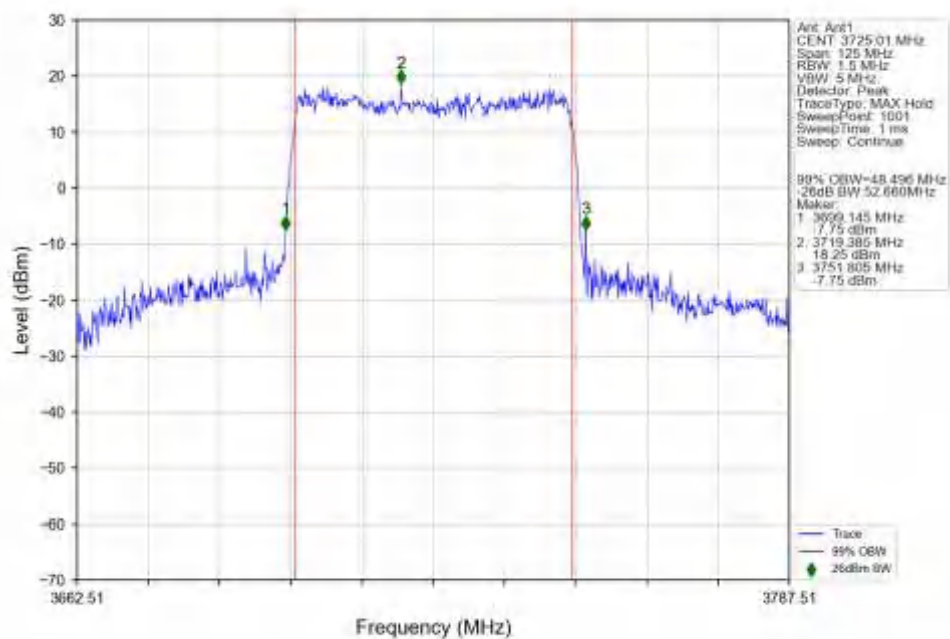
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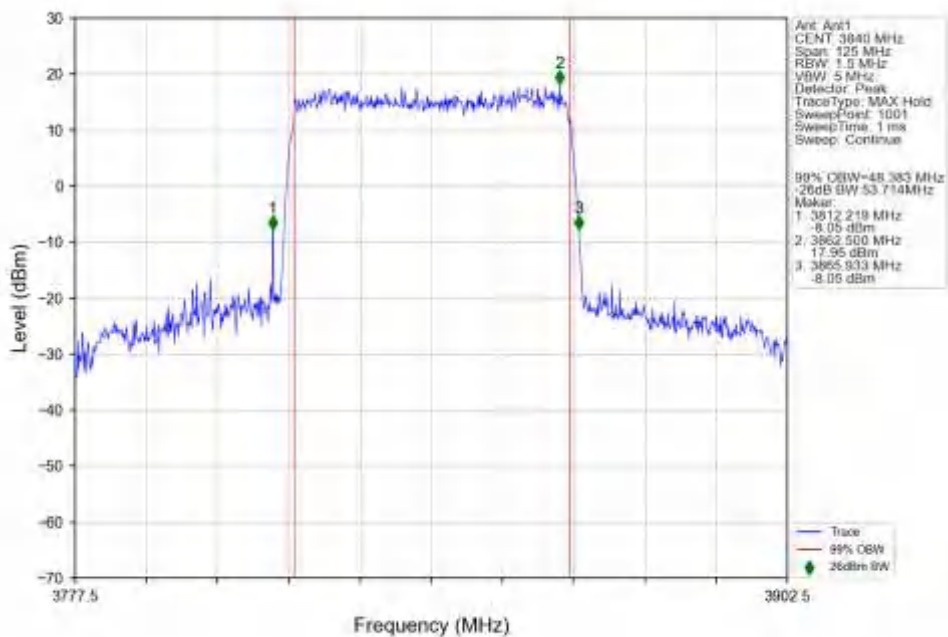
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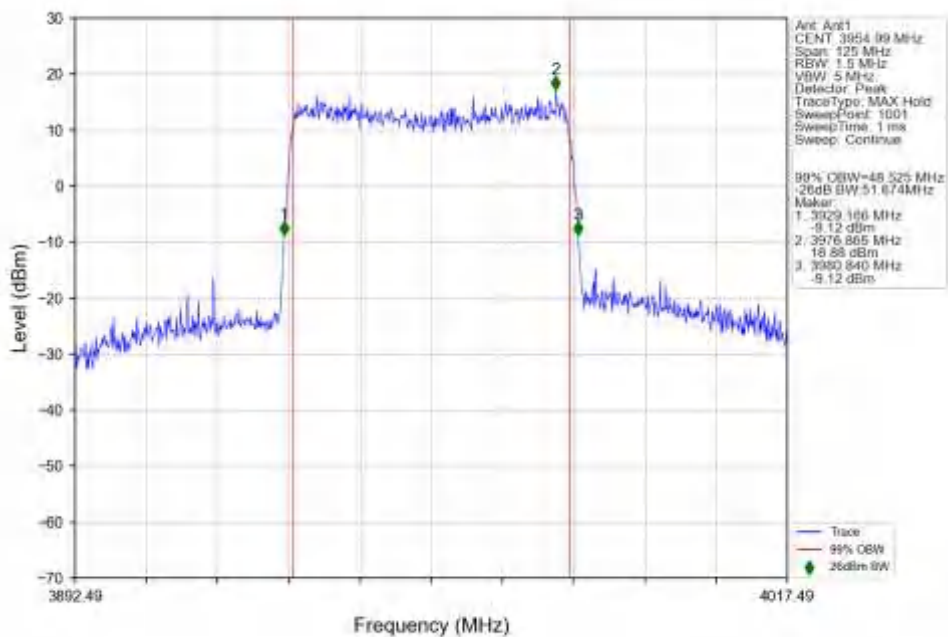
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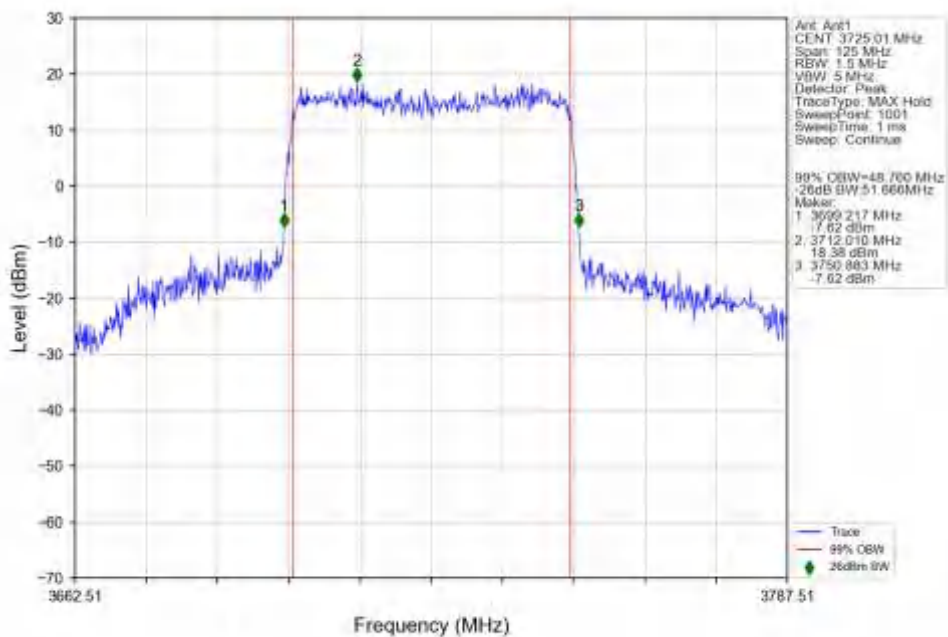
n77a 15kHz SISO NTN 50MHz DFT-s-OFDM 16 QAM 3840MHz Outer Full Ant1



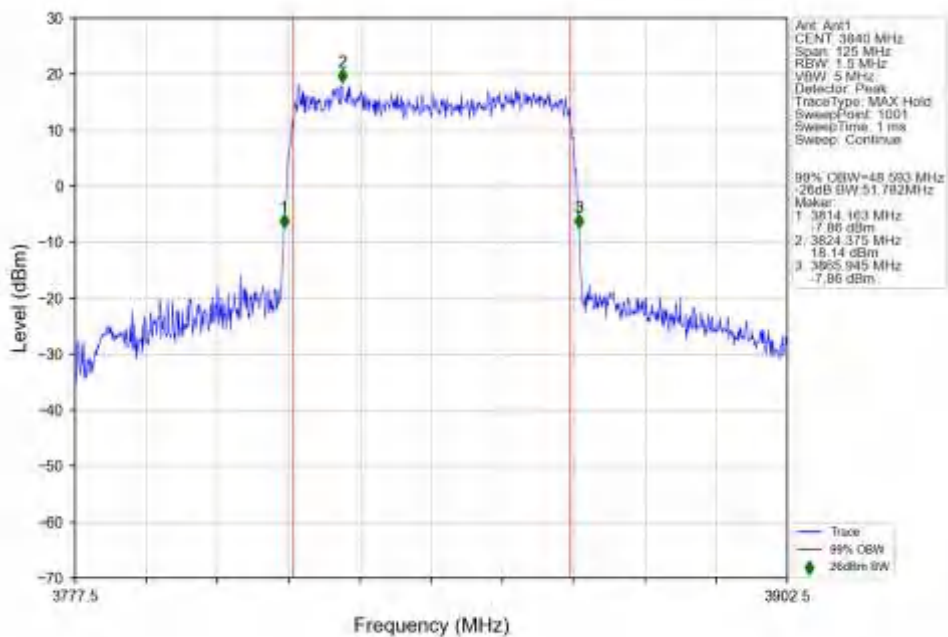
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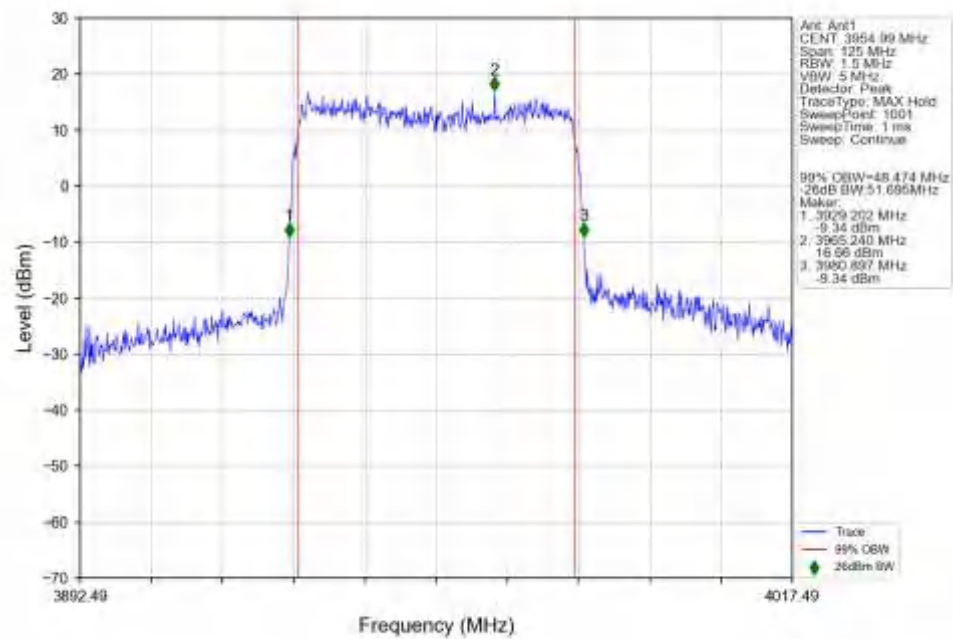
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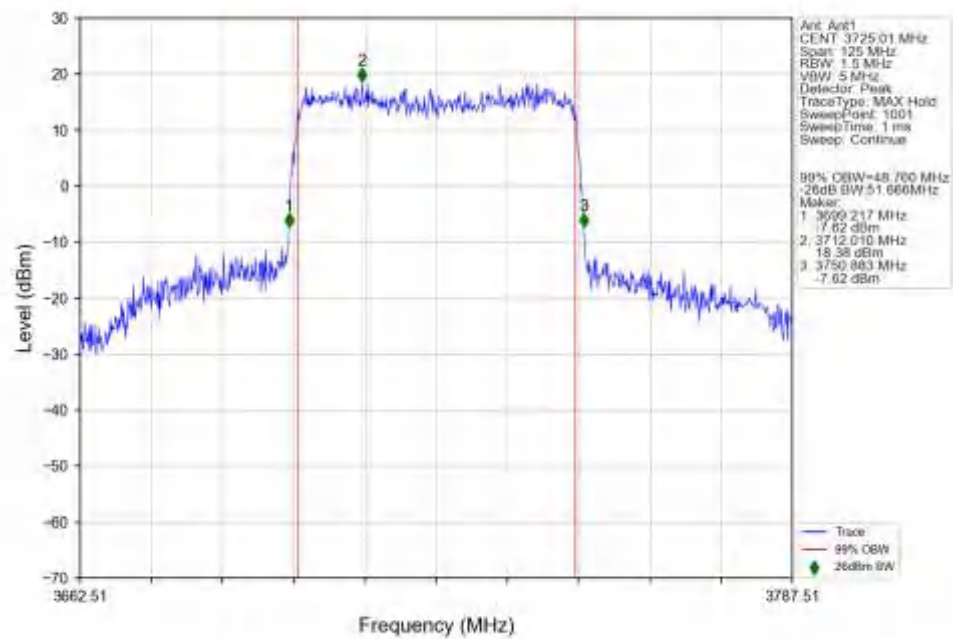
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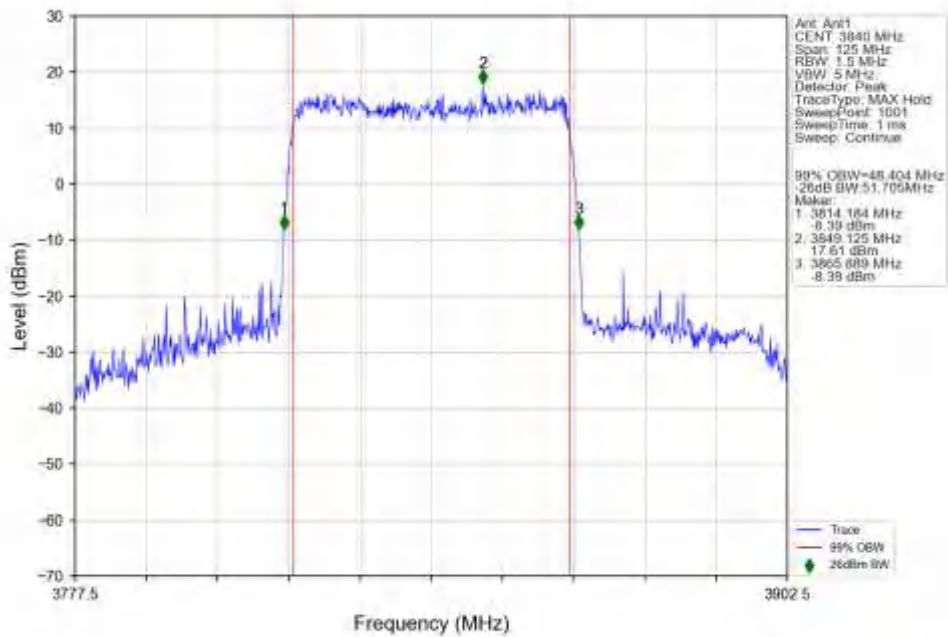
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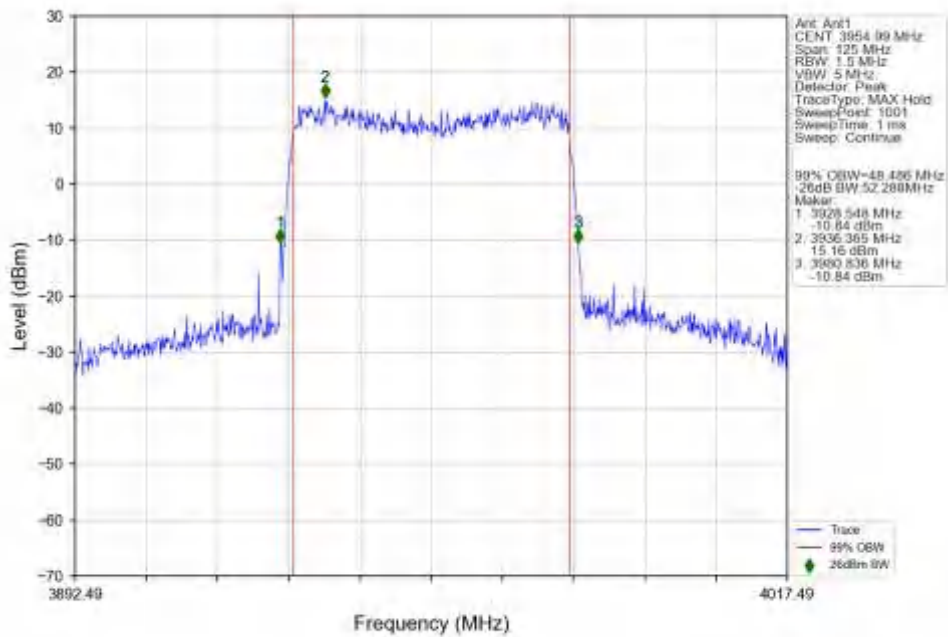
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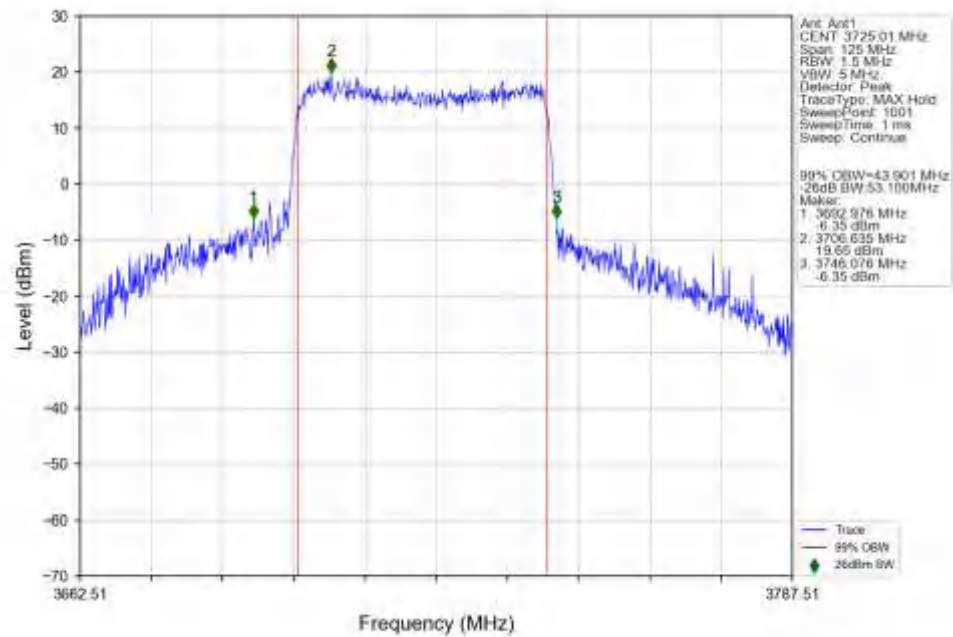
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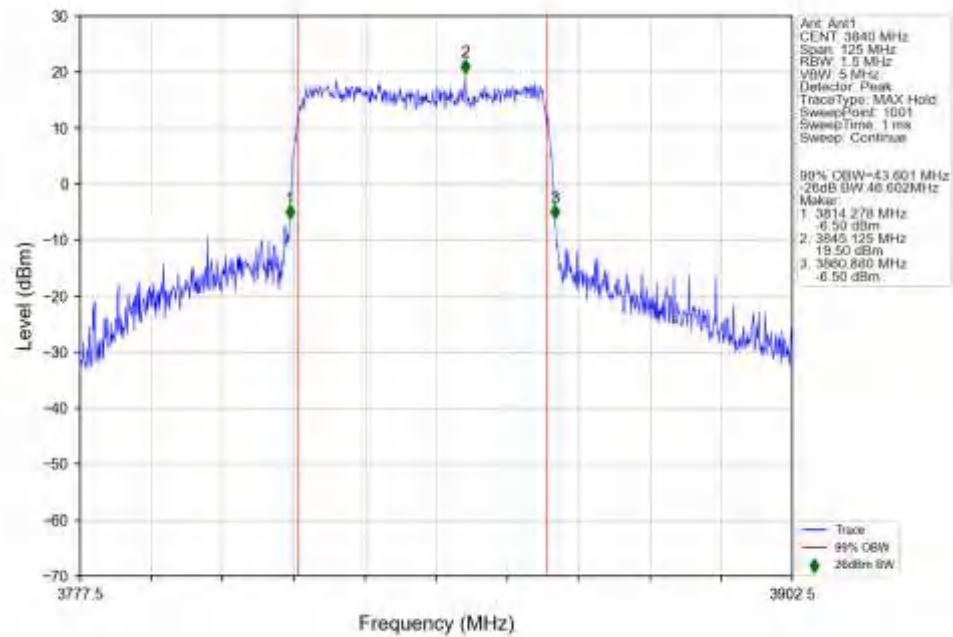
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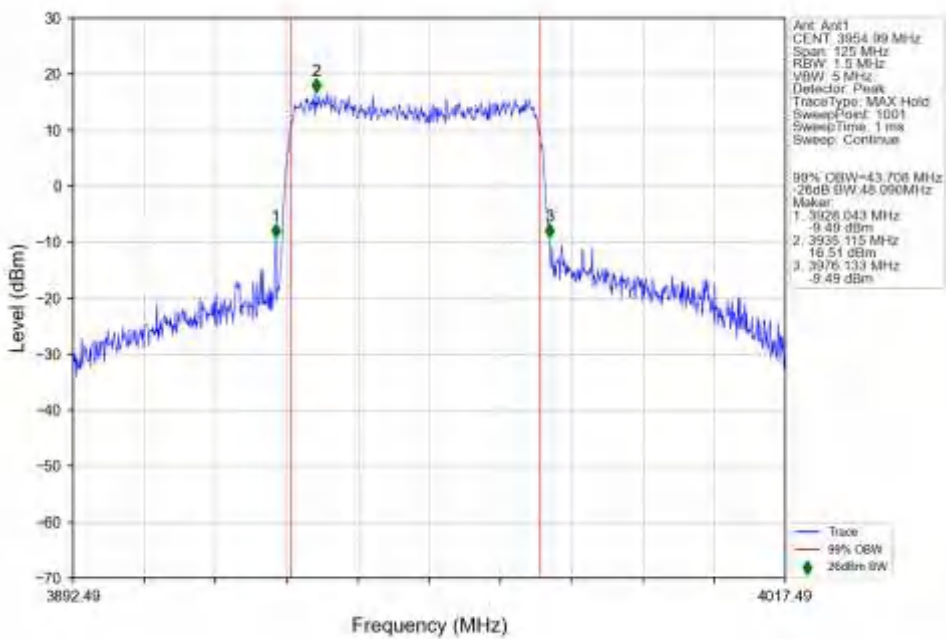
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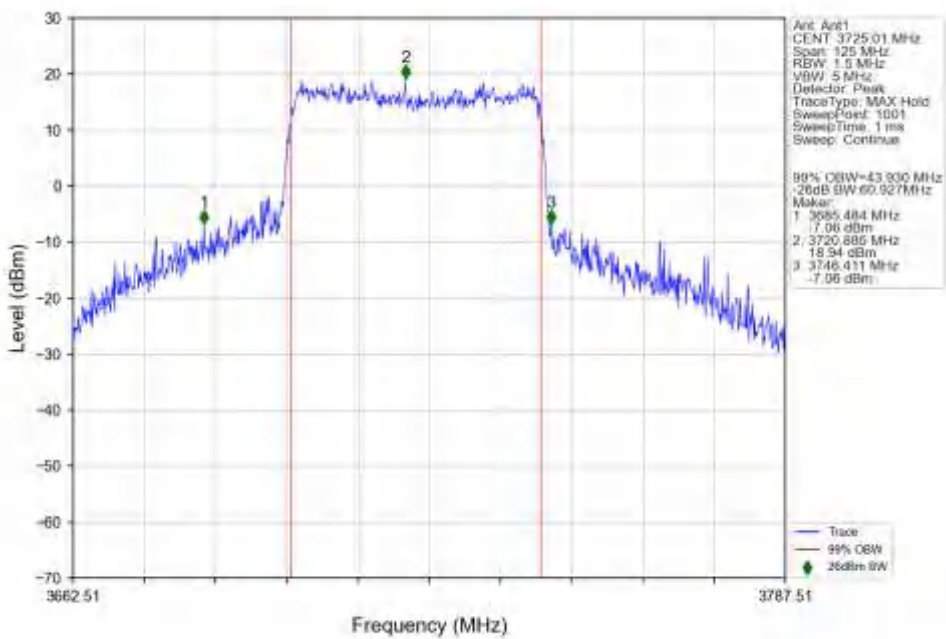
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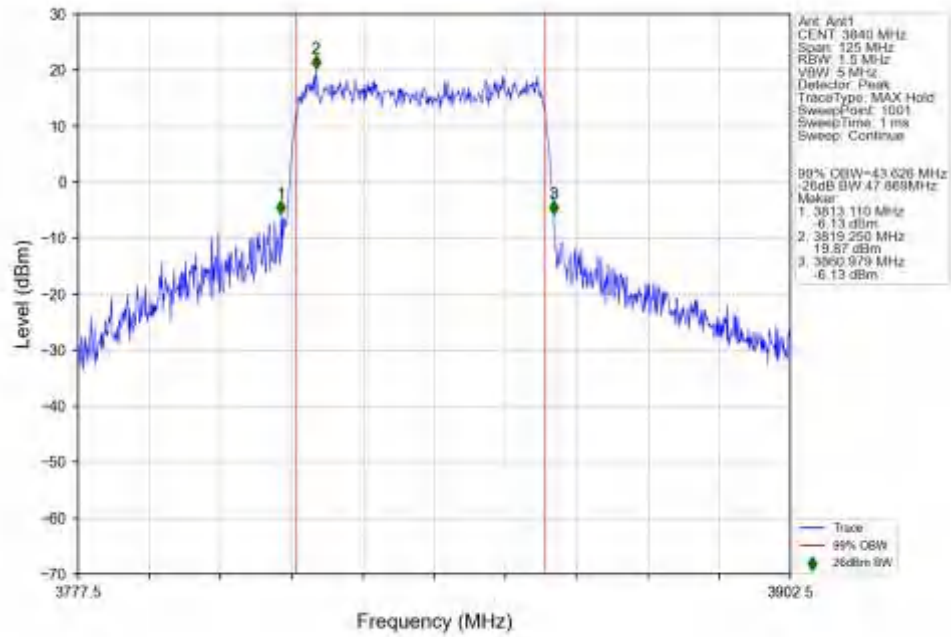
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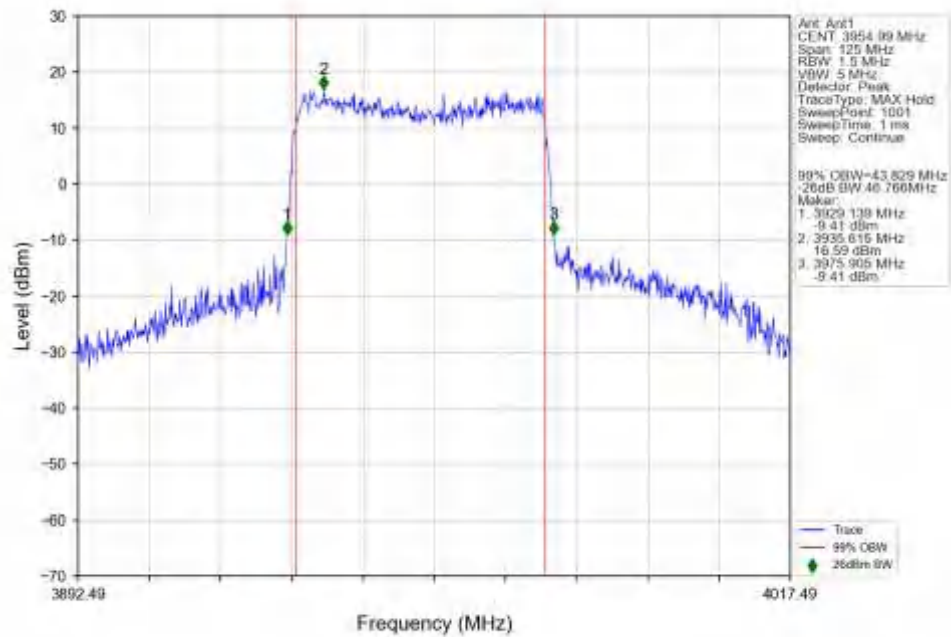
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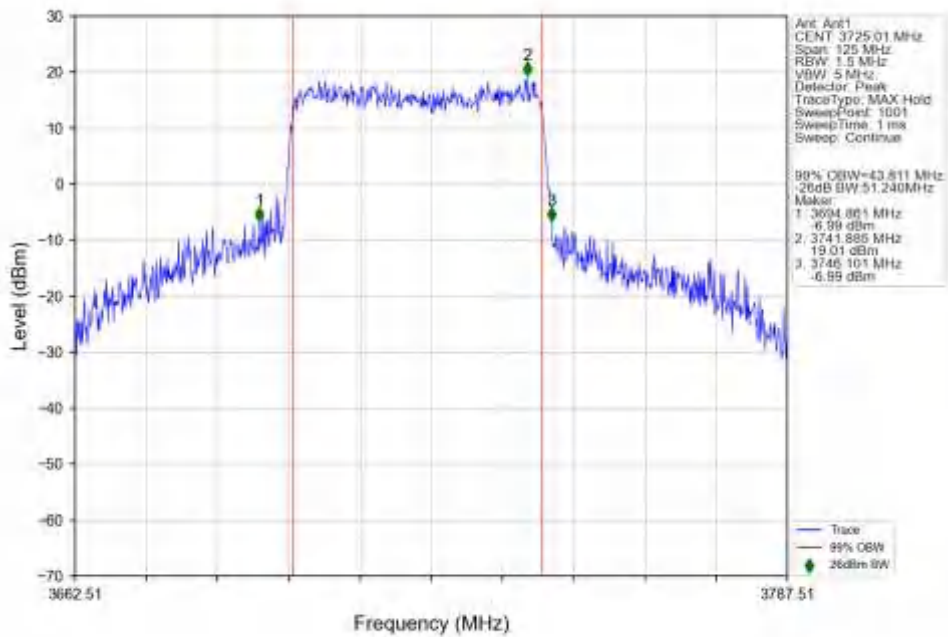
n77a_15kHz_SISO_NTNV_50MHz_CP-OFDM_16_QAM_3840MHz_Outer_Full_Ant1



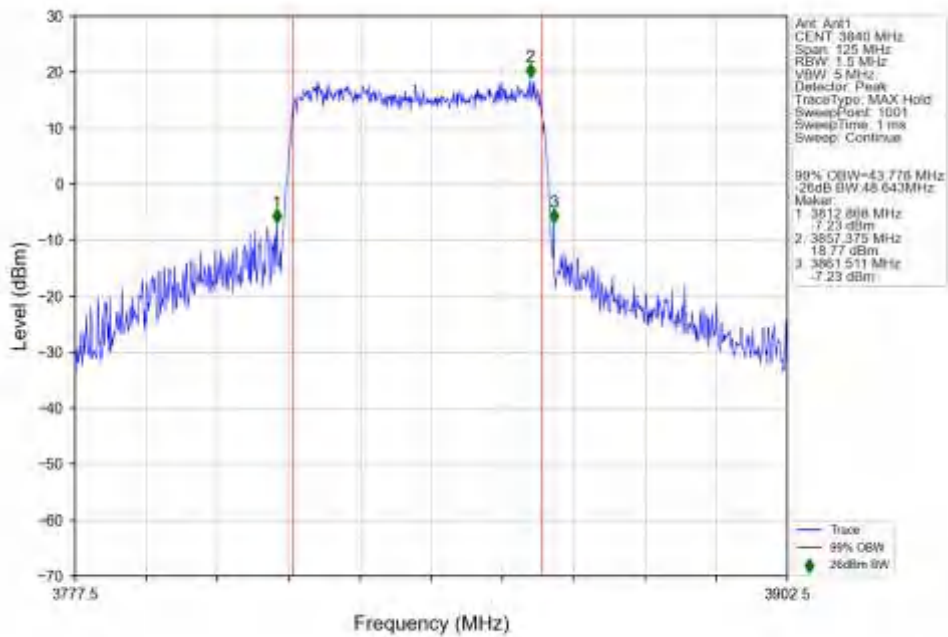
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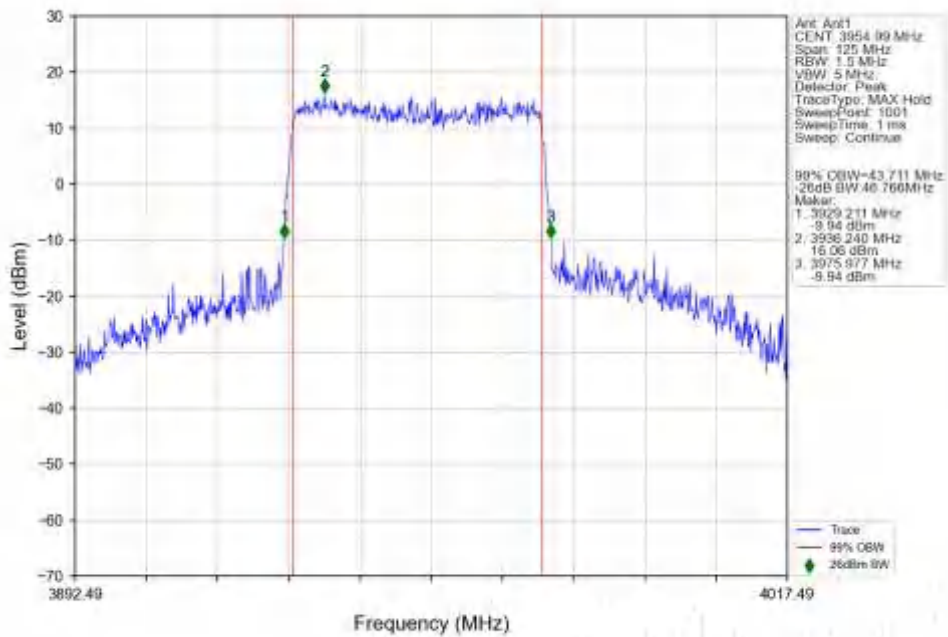
n77a 15kHz SISO NTN 50MHz CP-OFDM 64 QAM 3725.01MHz Outer Full Ant1



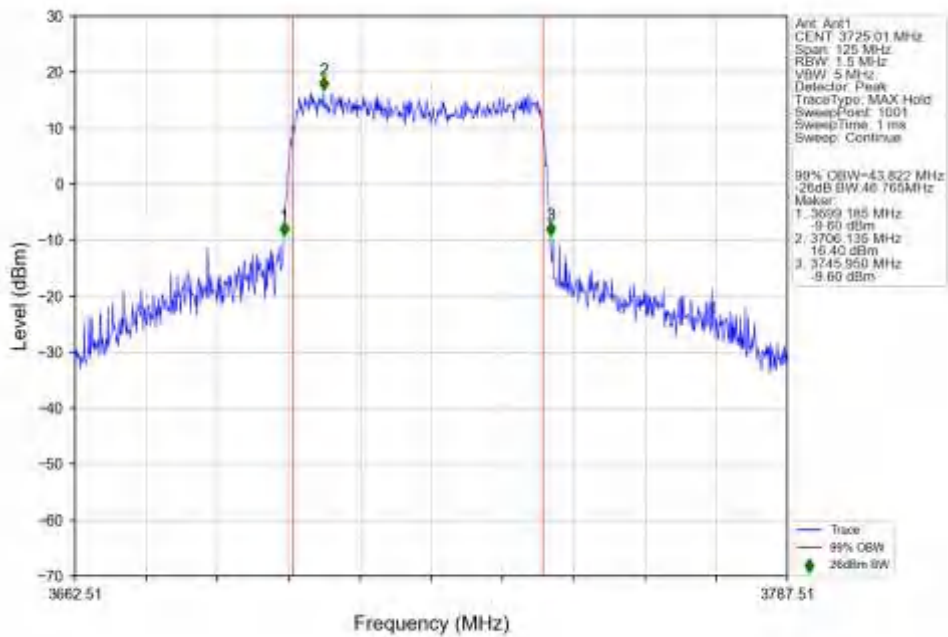
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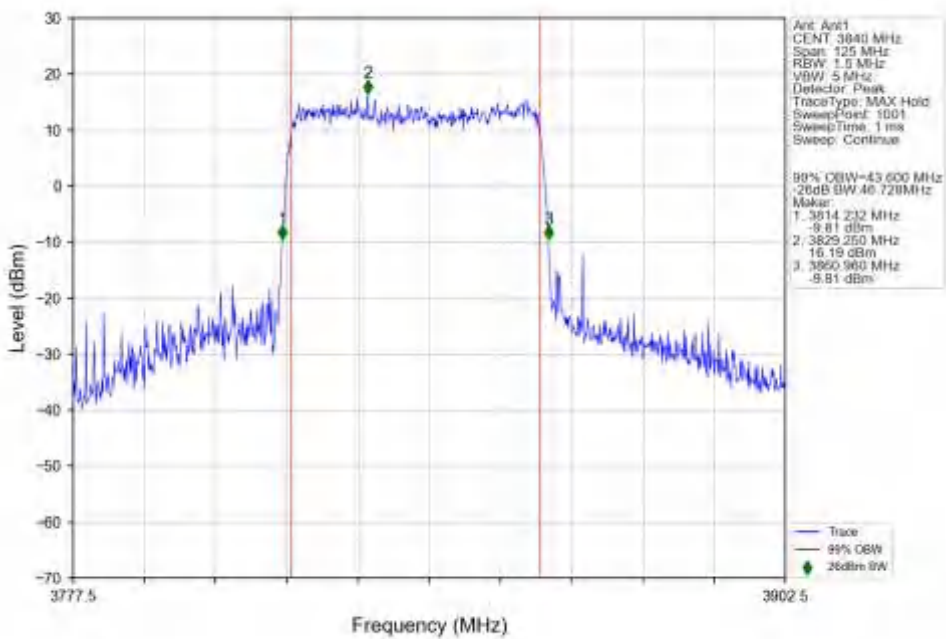
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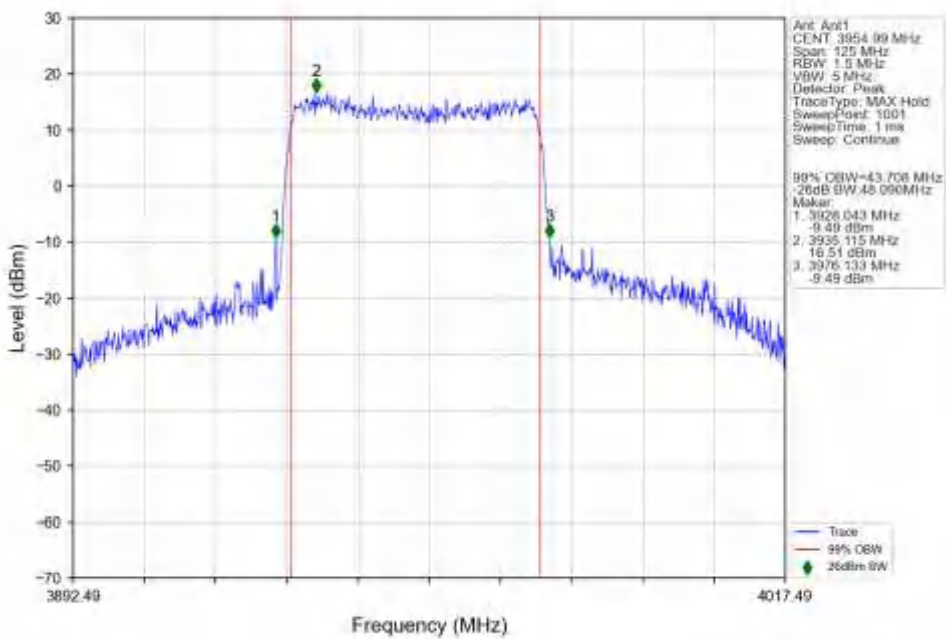
n77a_15kHz_SISO_NTNV_50MHz_CP-OFDM_256_QAM_3725.01MHz_Outer_Full_Ant1



n77a_15kHz_SISO_NTNV_50MHz_CP-OFDM_256_QAM_3840MHz_Outer_Full_Ant1

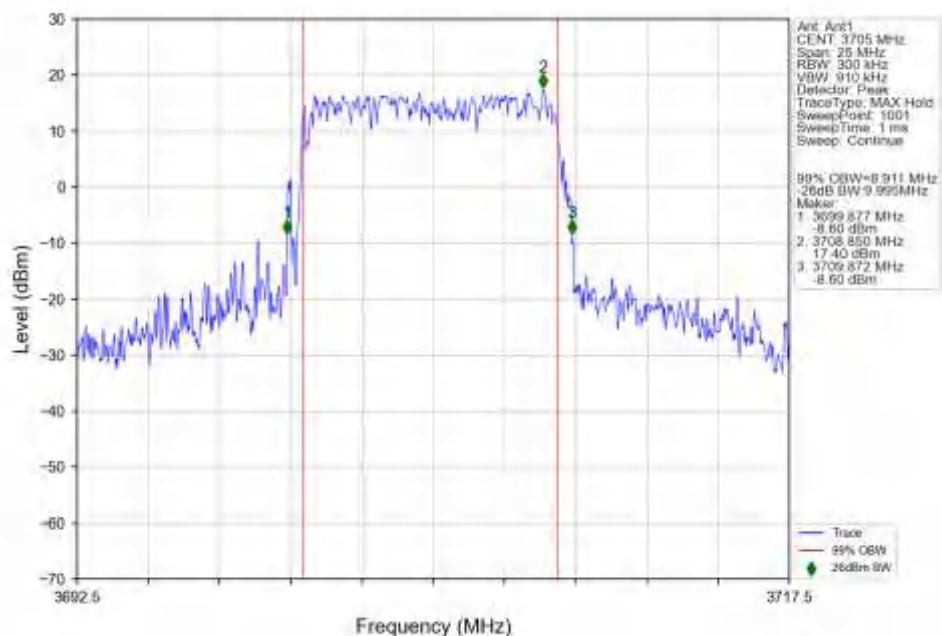


n77a_15kHz_SISO_NTNV_50MHz_CP-OFDM_256_QAM_3954.99MHz_Outer_Full_Ant1

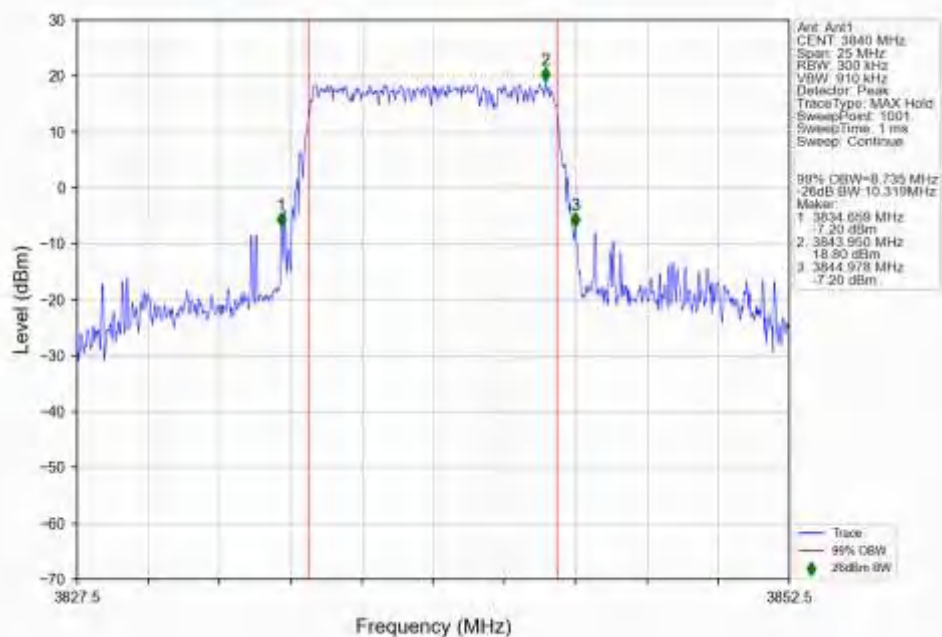


4.2.8 30k_SISO_10MHz_NTNV

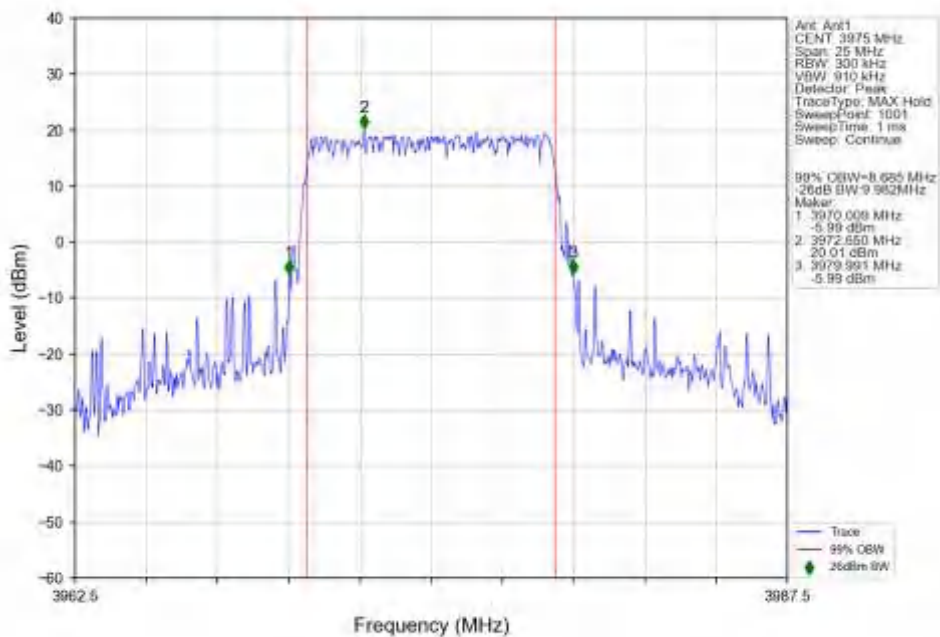
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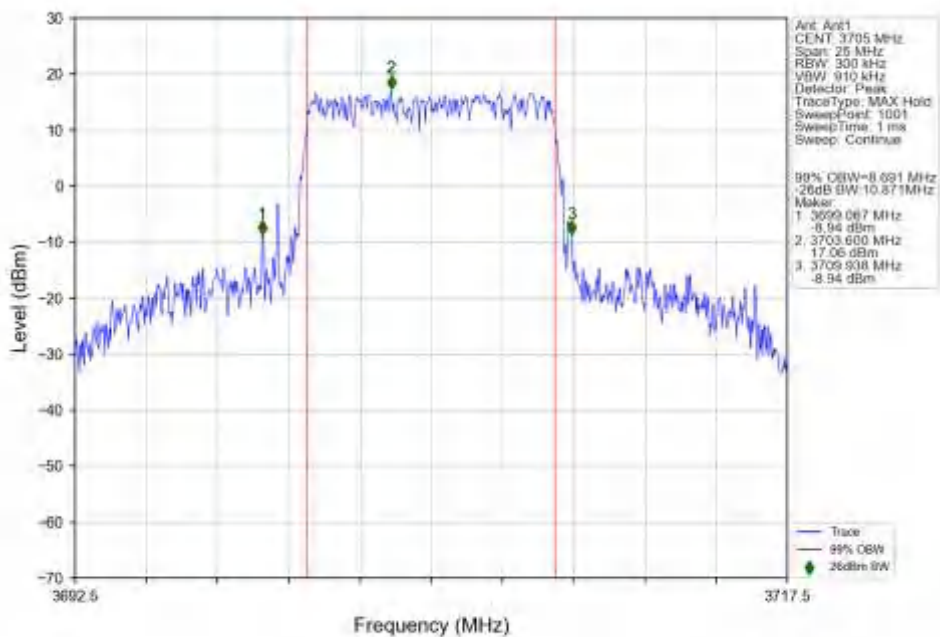
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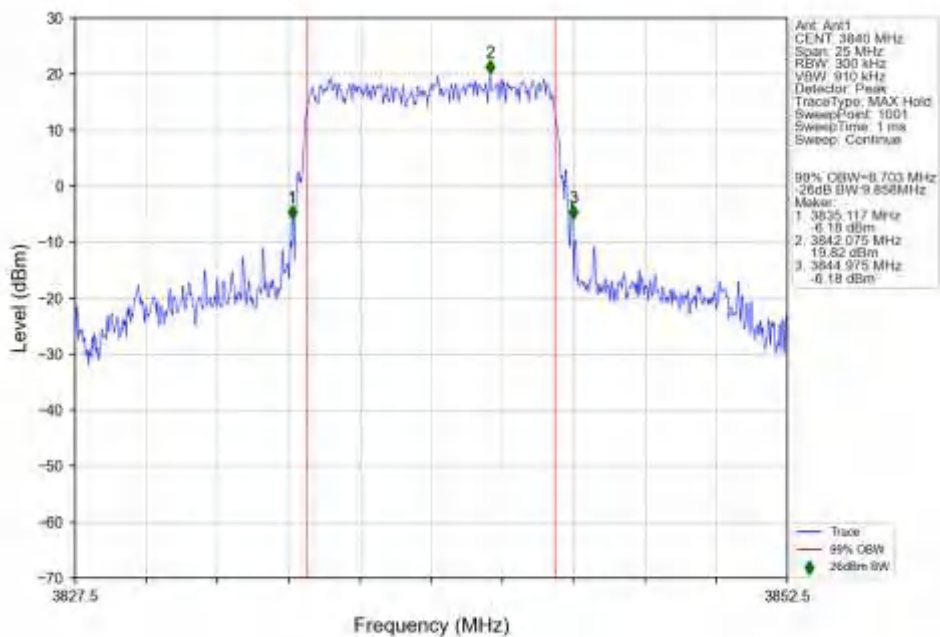
n77a 30kHz SISO NTN 10MHz DFT-s-OFDM QPSK 3975MHz Outer Full Ant1



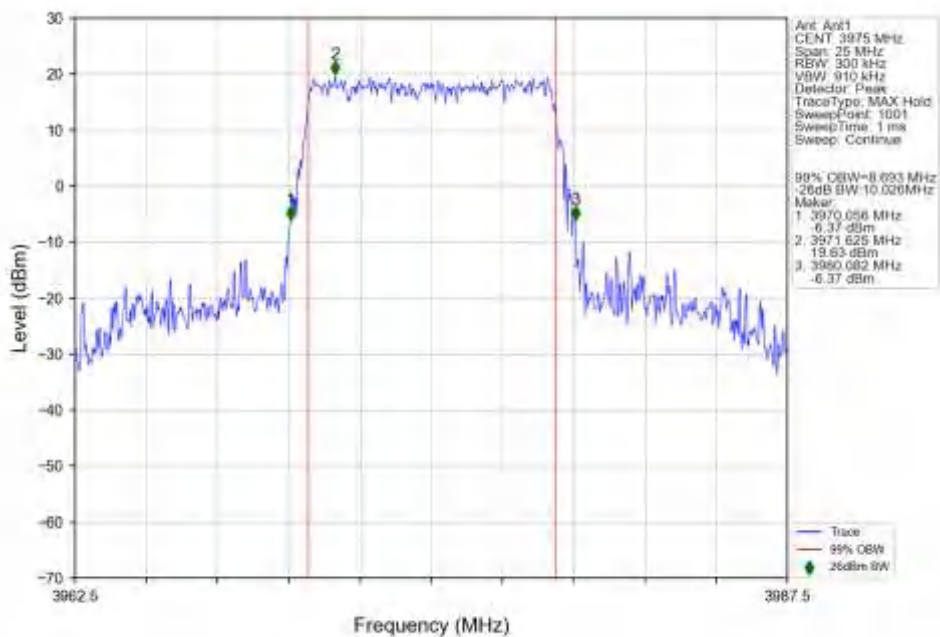
n77a 30kHz SISO NTN 10MHz DFT-s-OFDM 16 QAM 3705MHz Outer Full Ant1



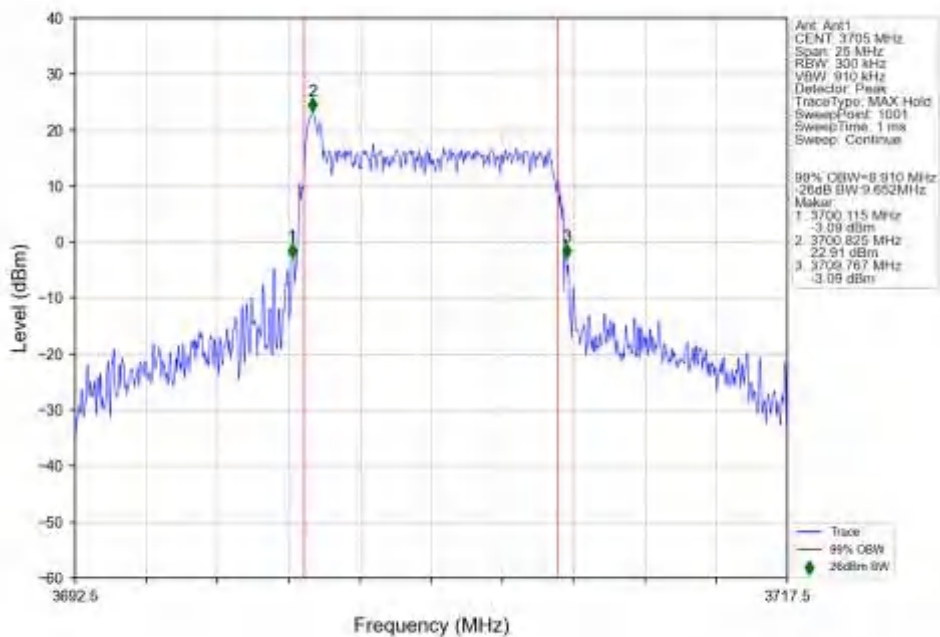
n77a 30kHz SISO NTN 10MHz DFT-s-OFDM 16 QAM 3840MHz Outer Full Ant1



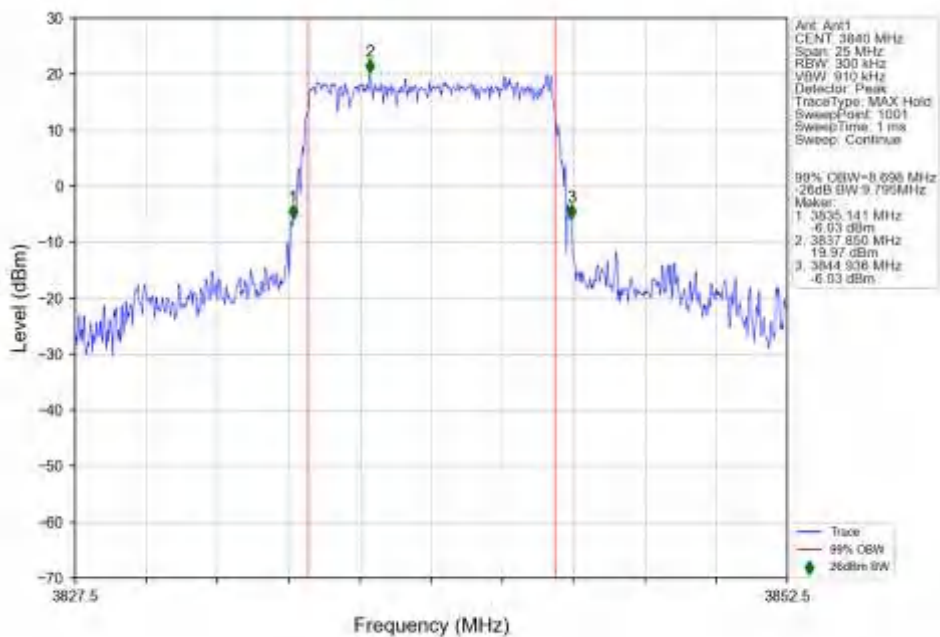
n77a 30kHz SISO NTN 10MHz DFT-s-OFDM 16 QAM 3975MHz Outer Full Ant1



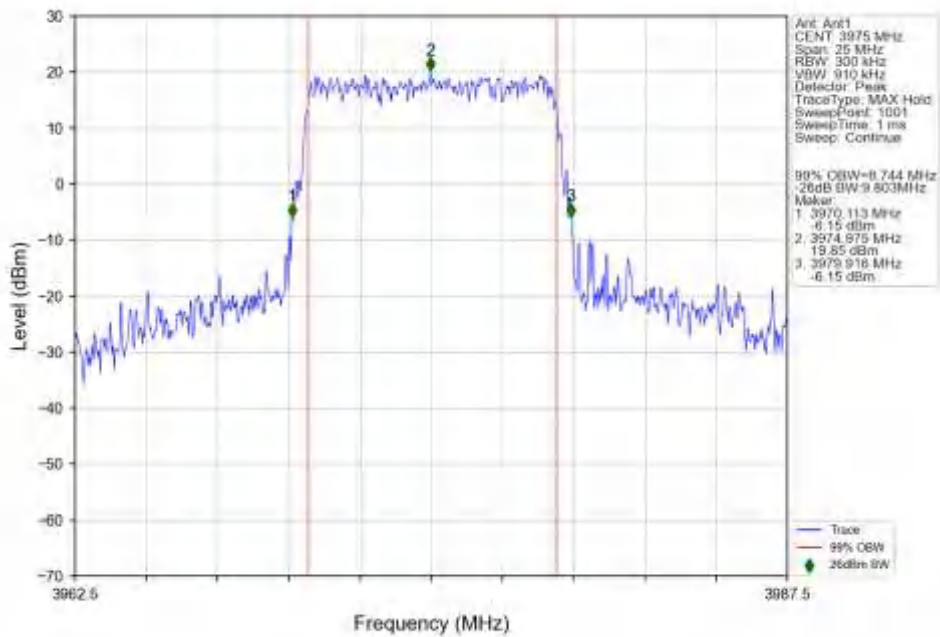
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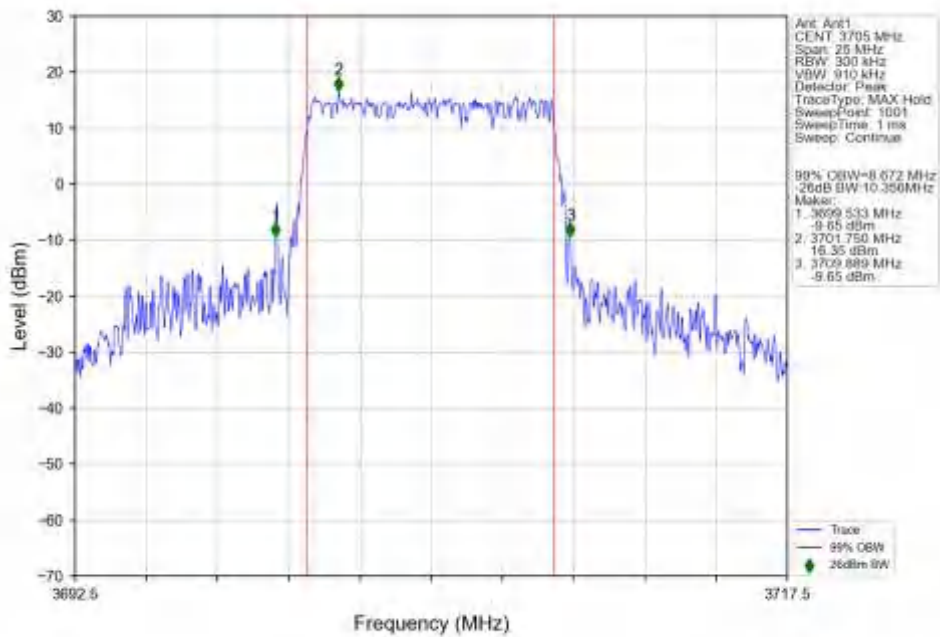
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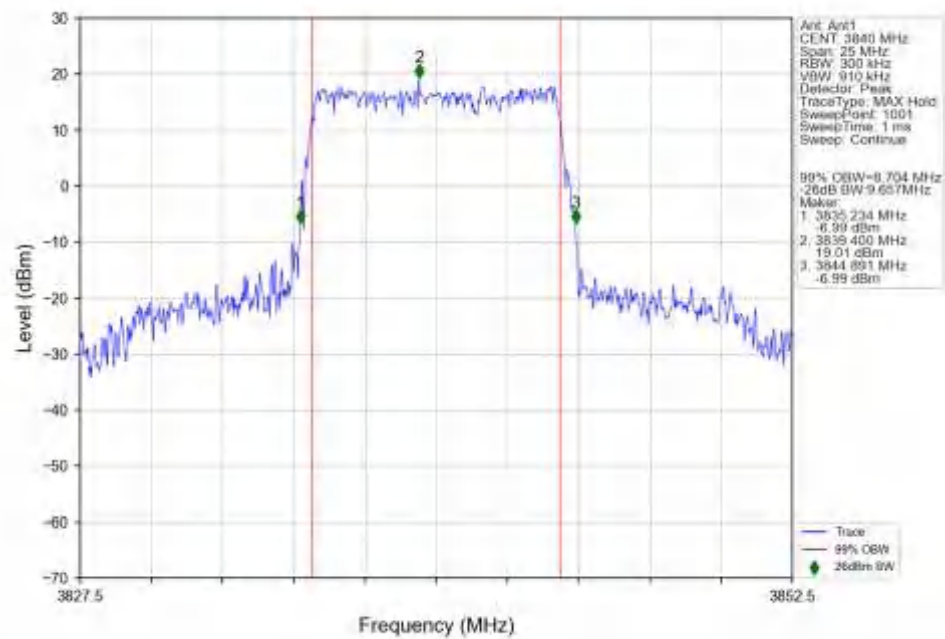
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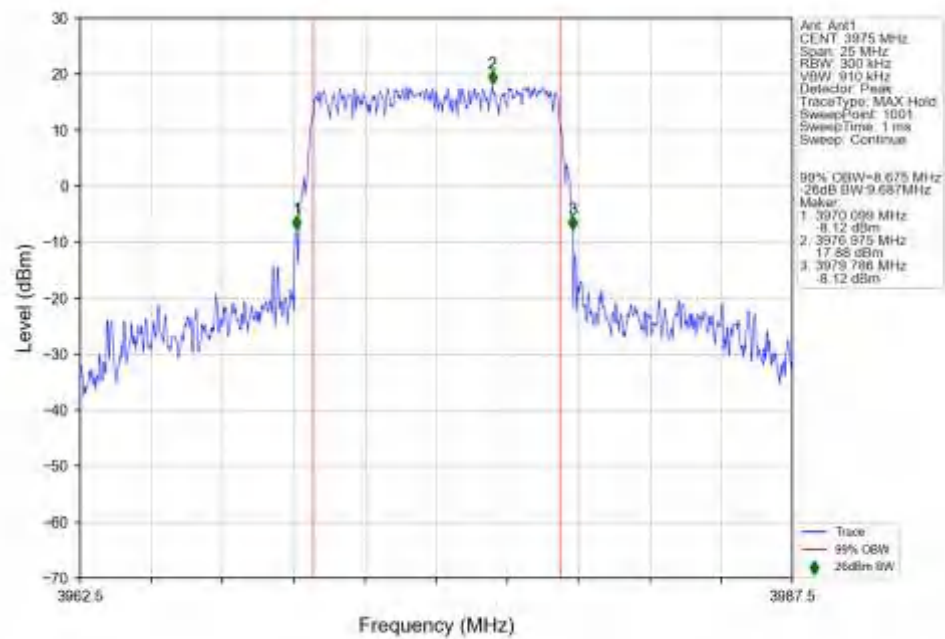
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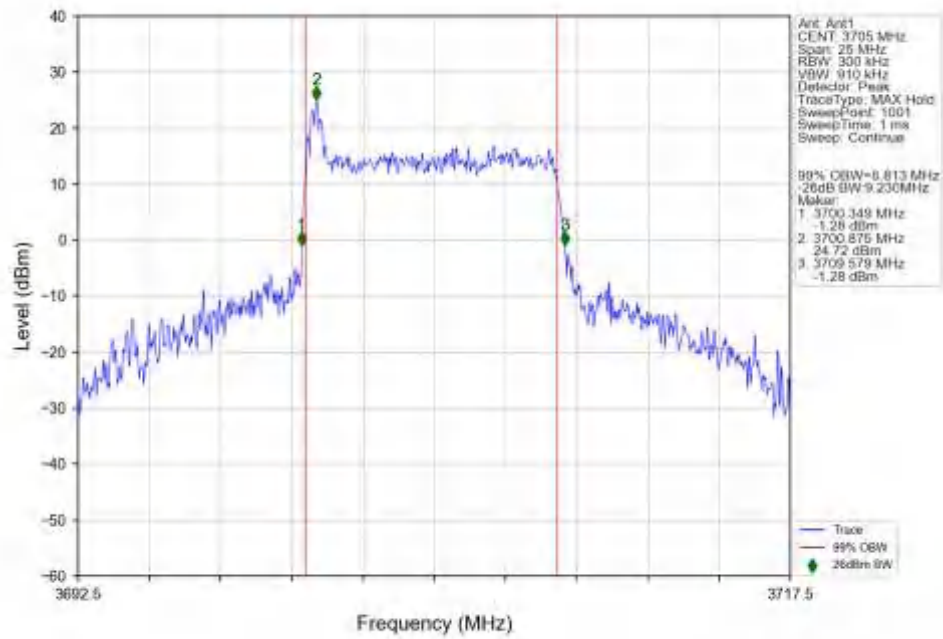
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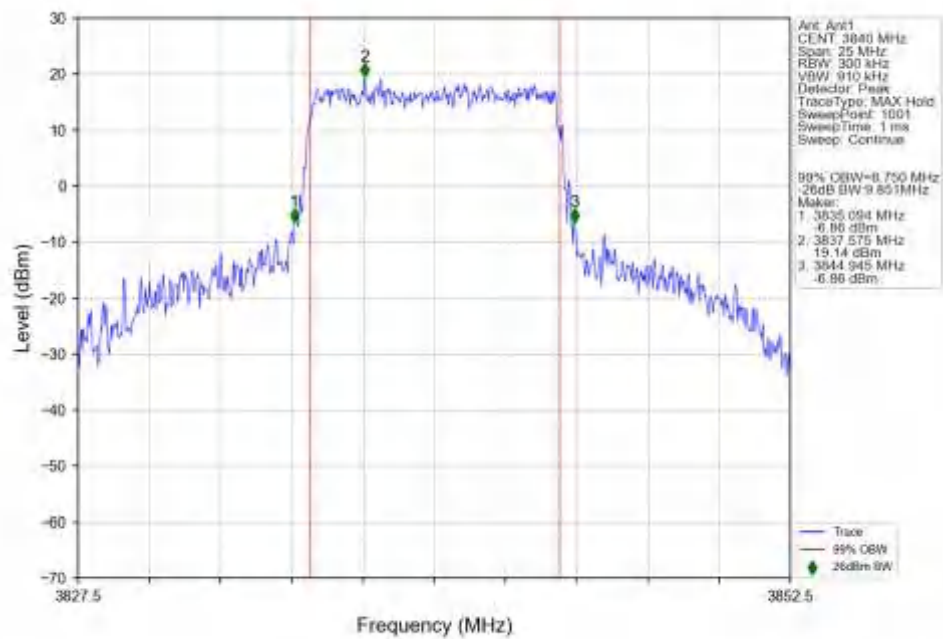
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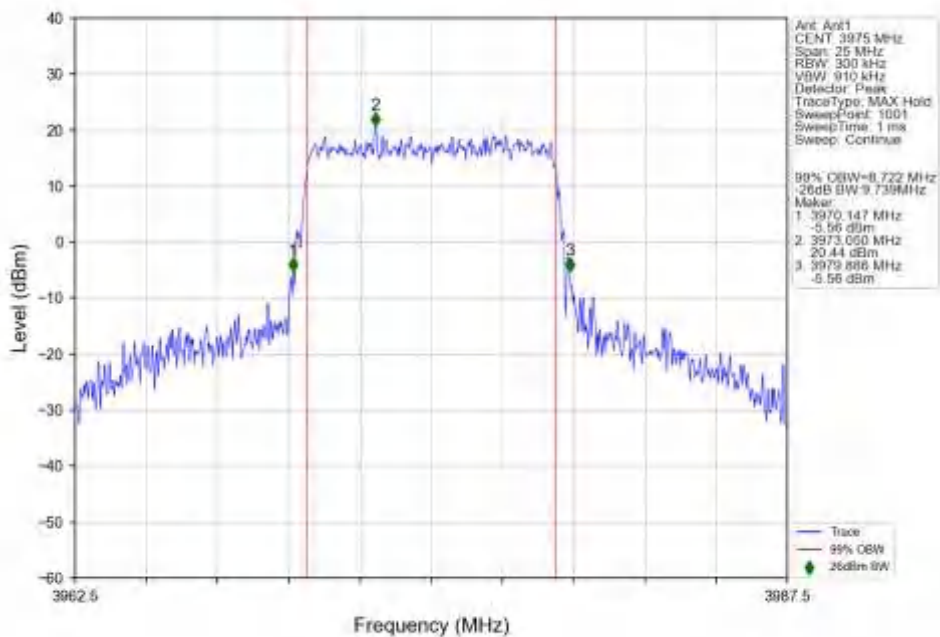
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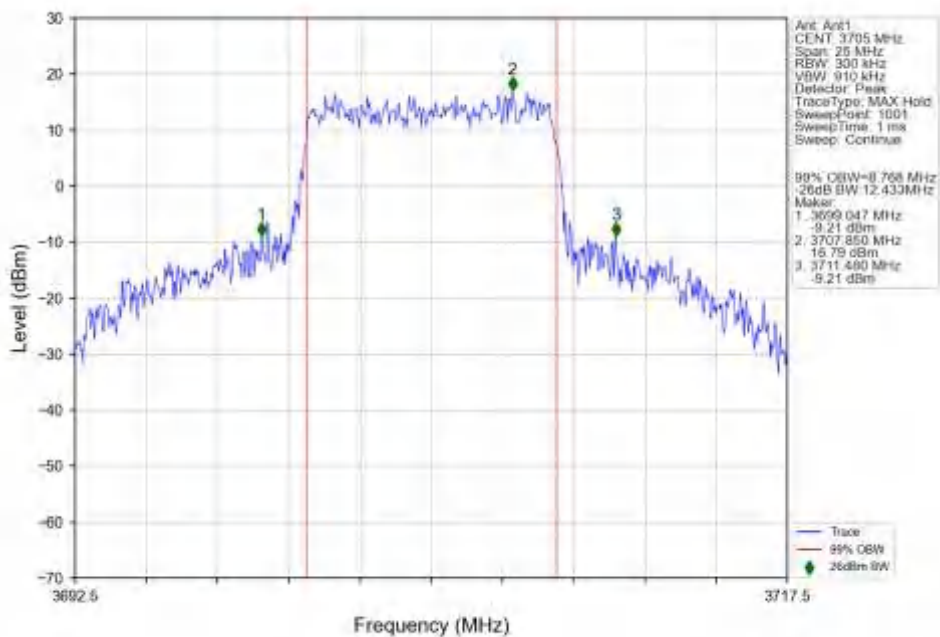
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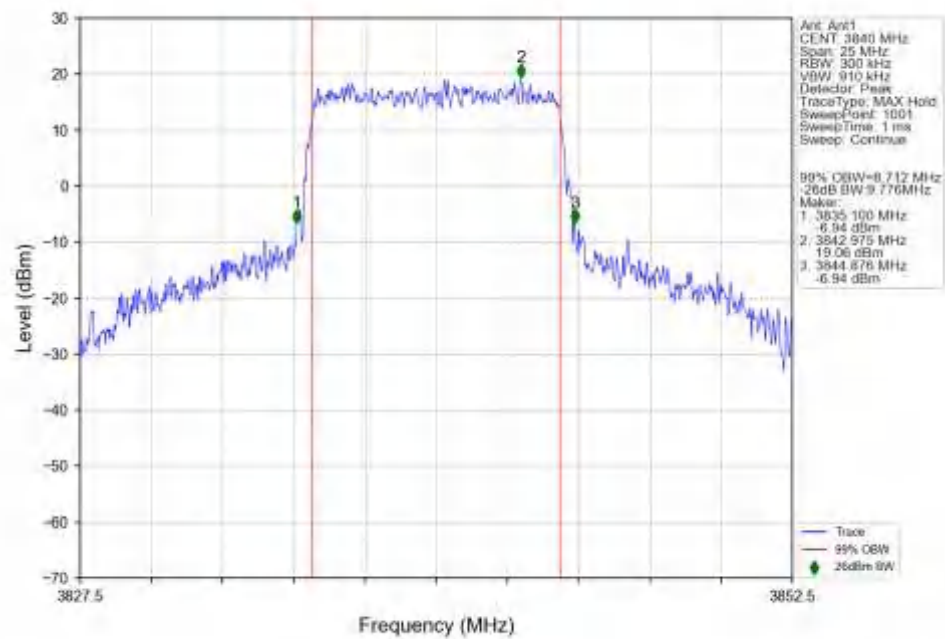
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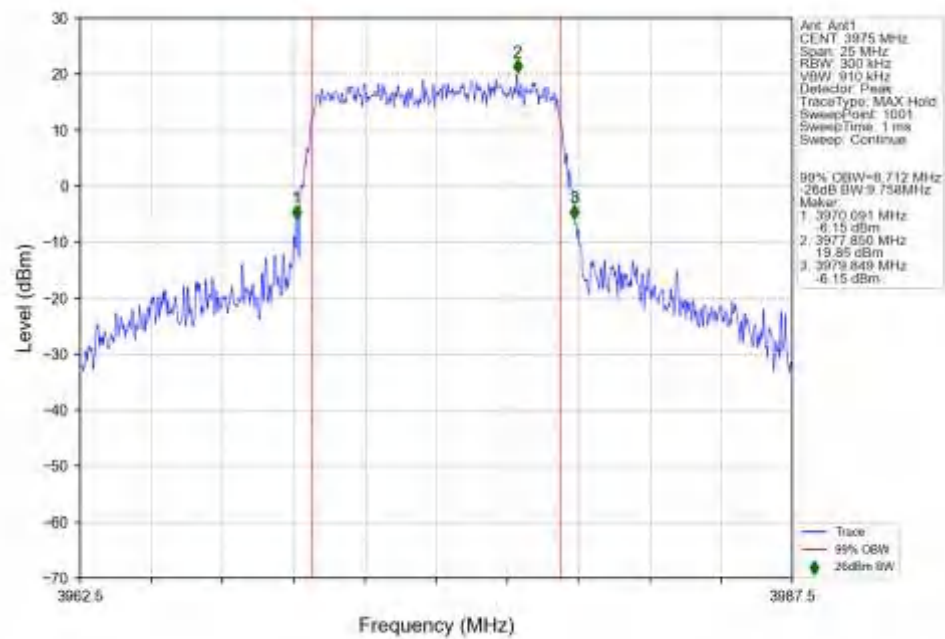
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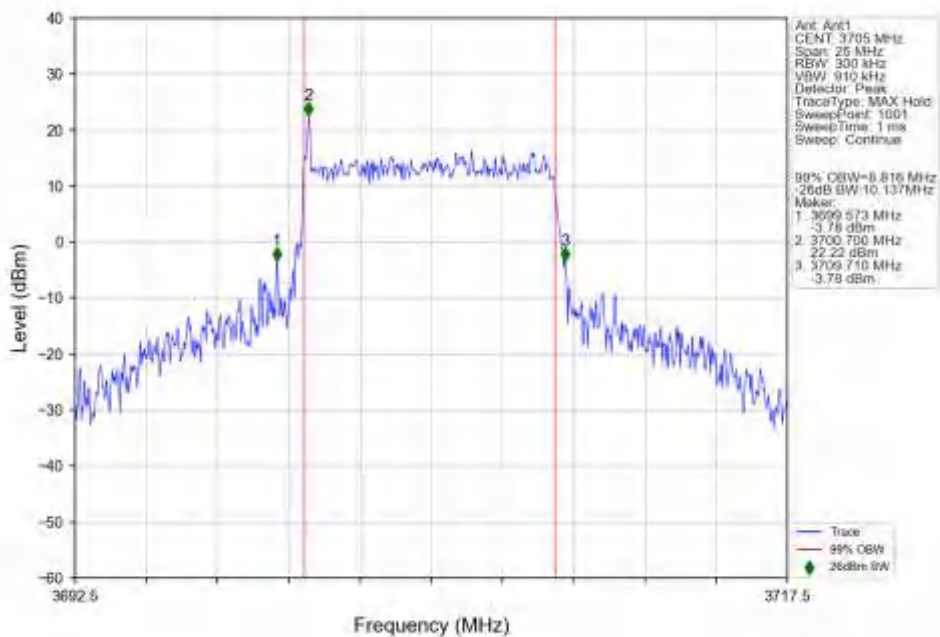
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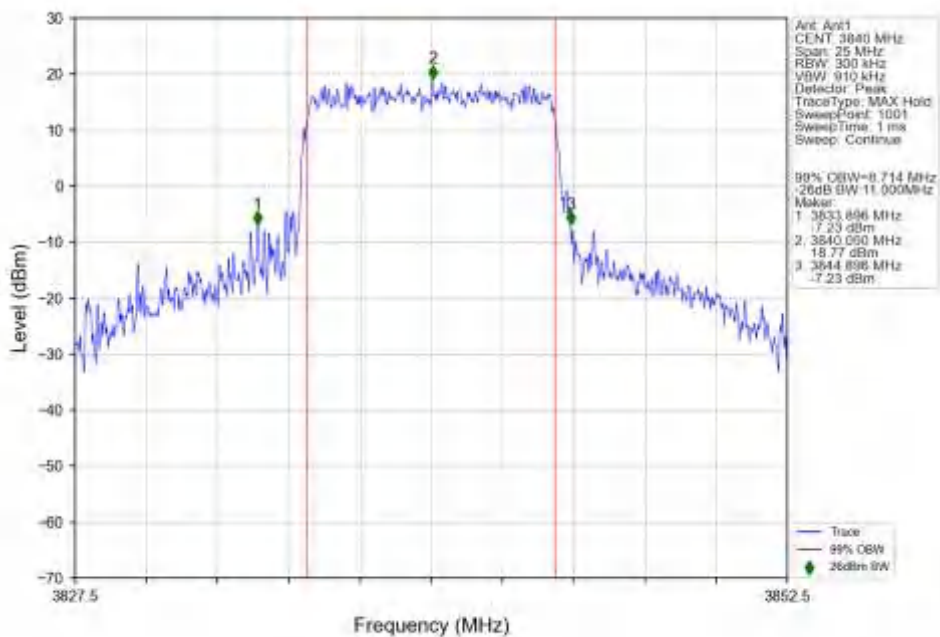
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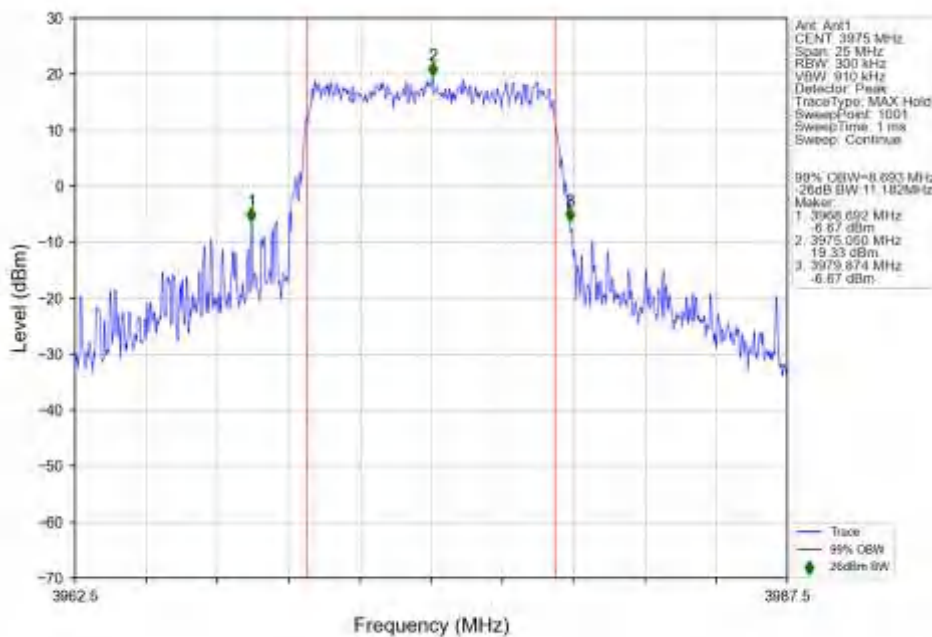
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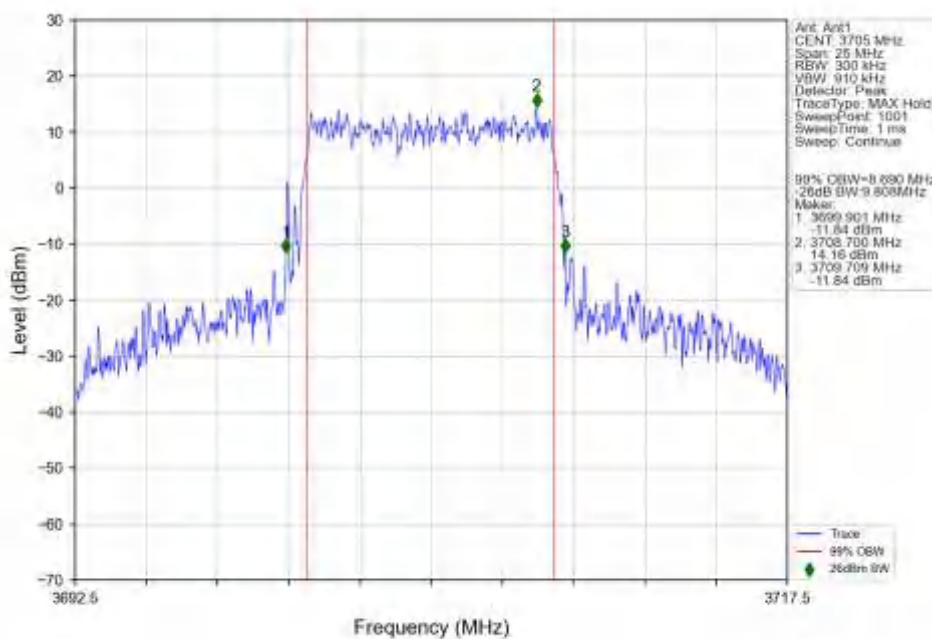
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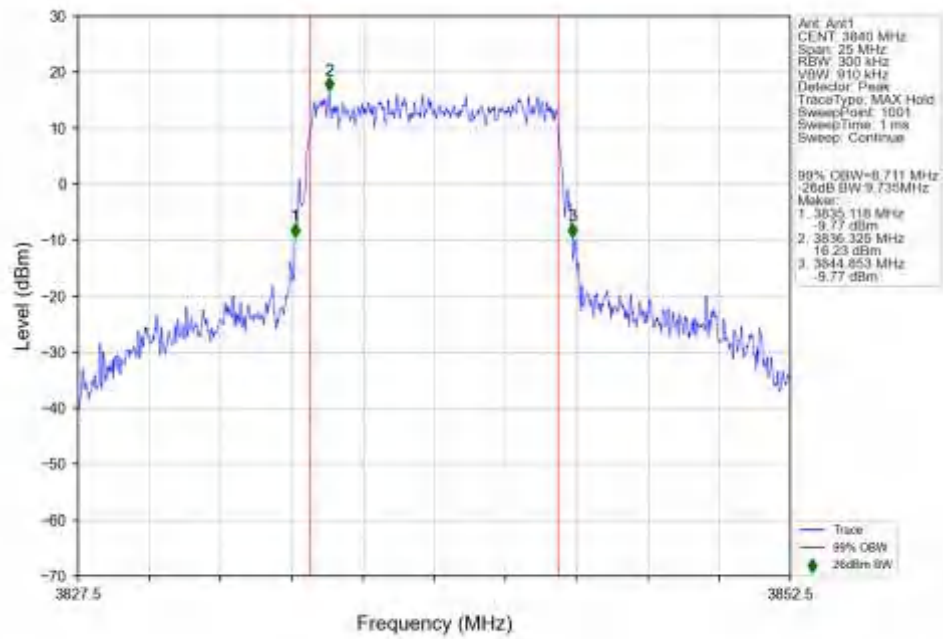
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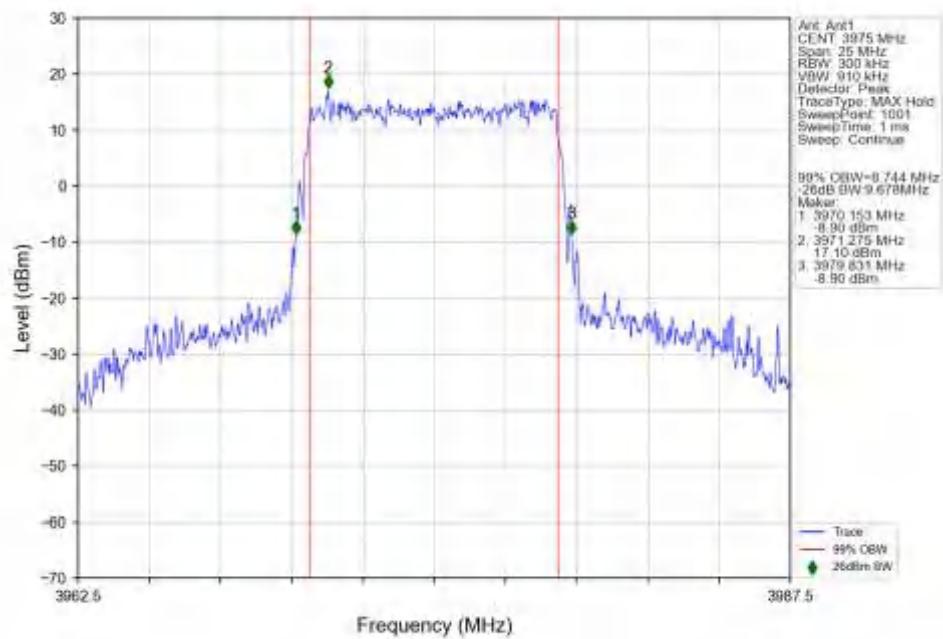
n77a 30kHz SISO NTN 10MHz CP-OFDM 256 QAM 3705MHz Outer_Full Ant1



n77a_30kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_3840MHz_Outer_Full_Ant1

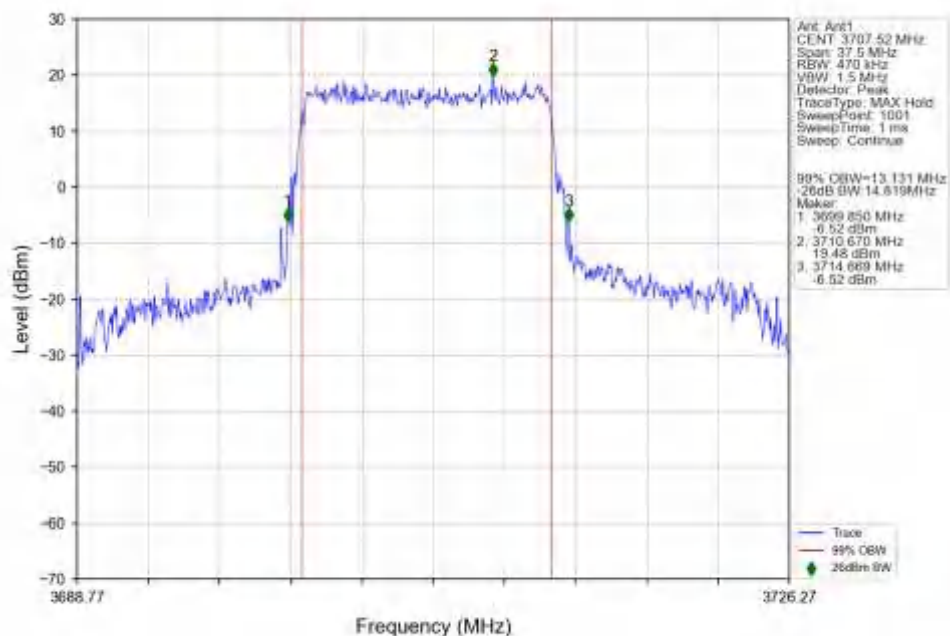


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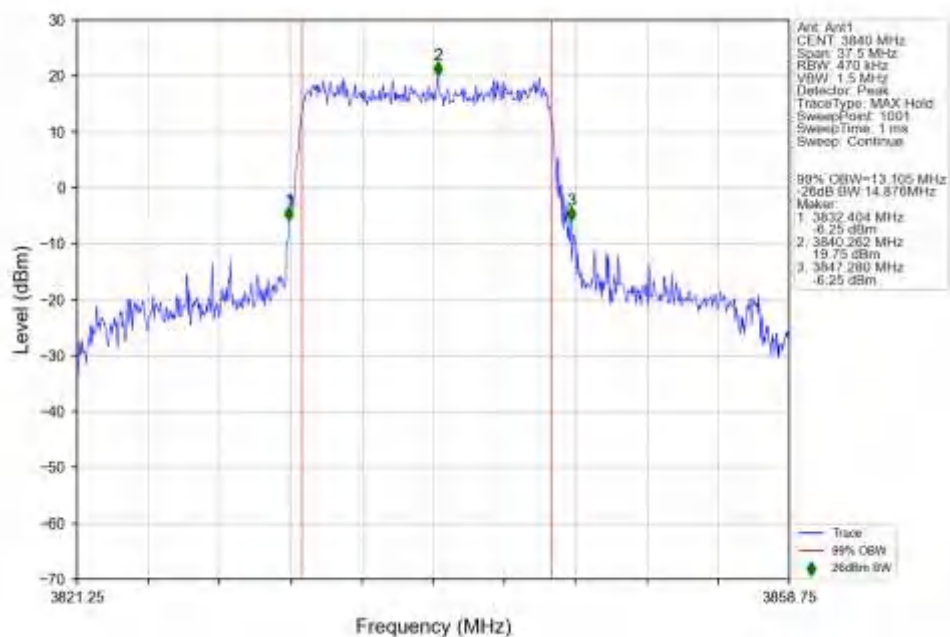


4.2.9 30k_SISO_15MHz_NTNV

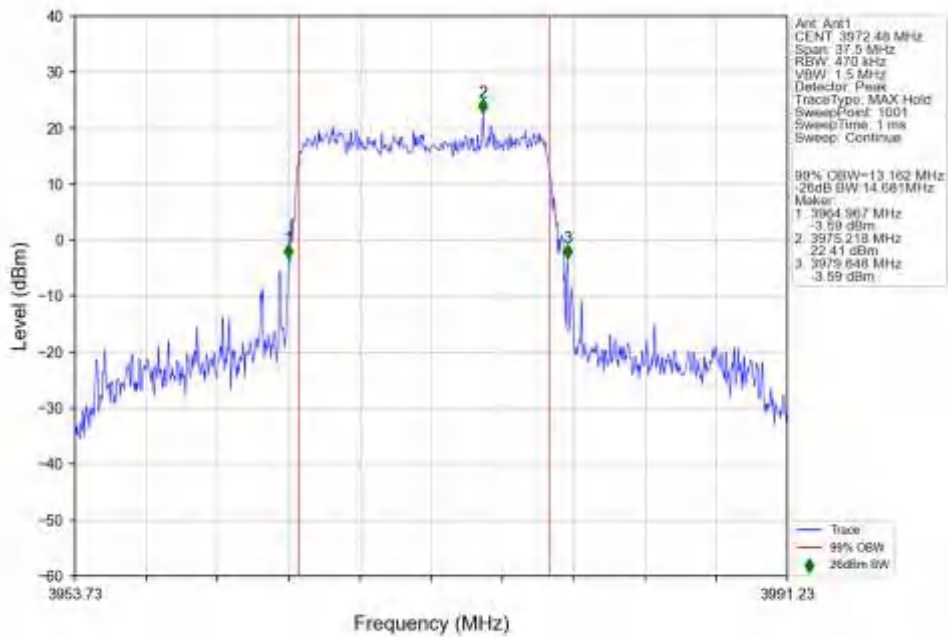
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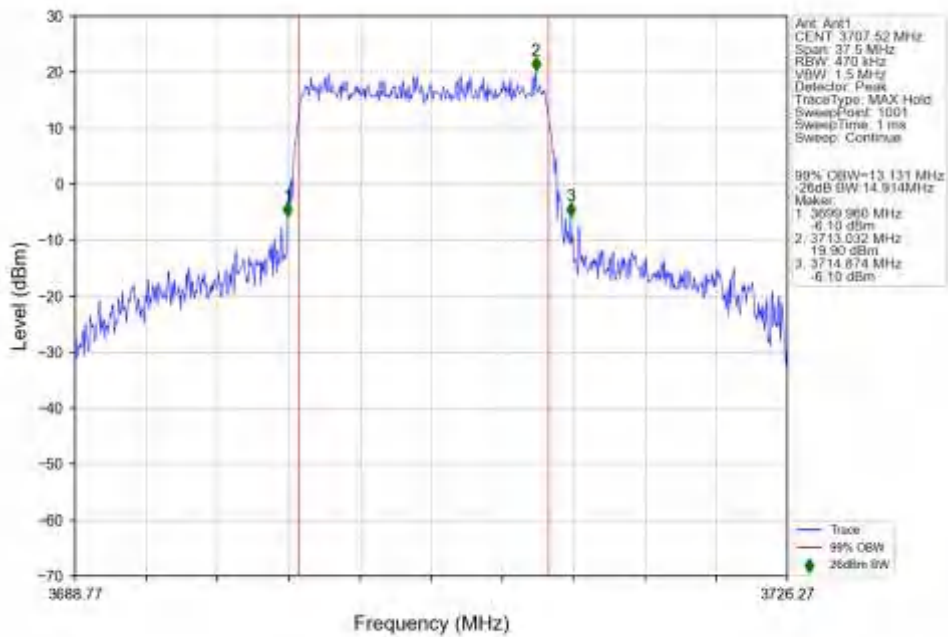
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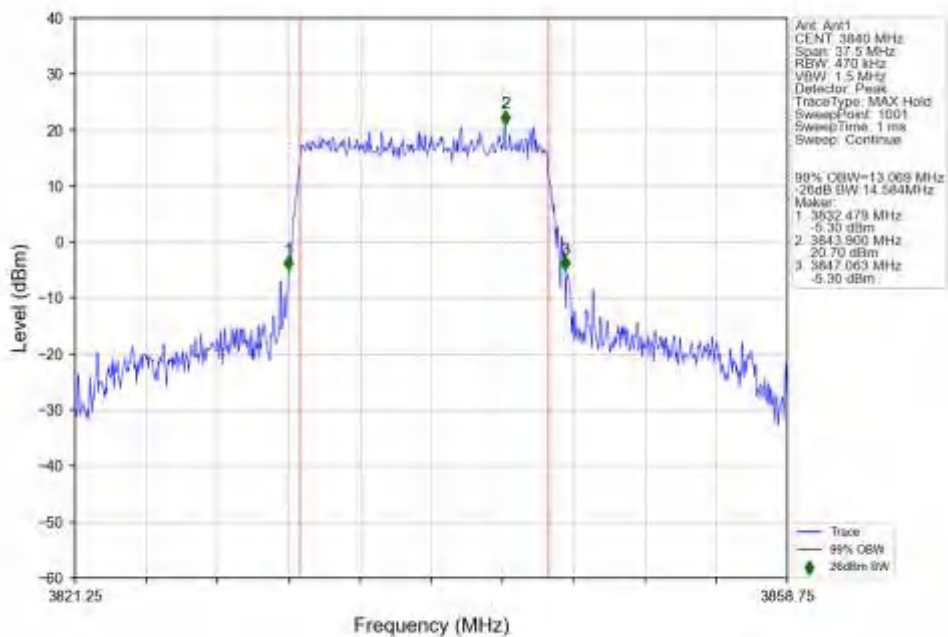
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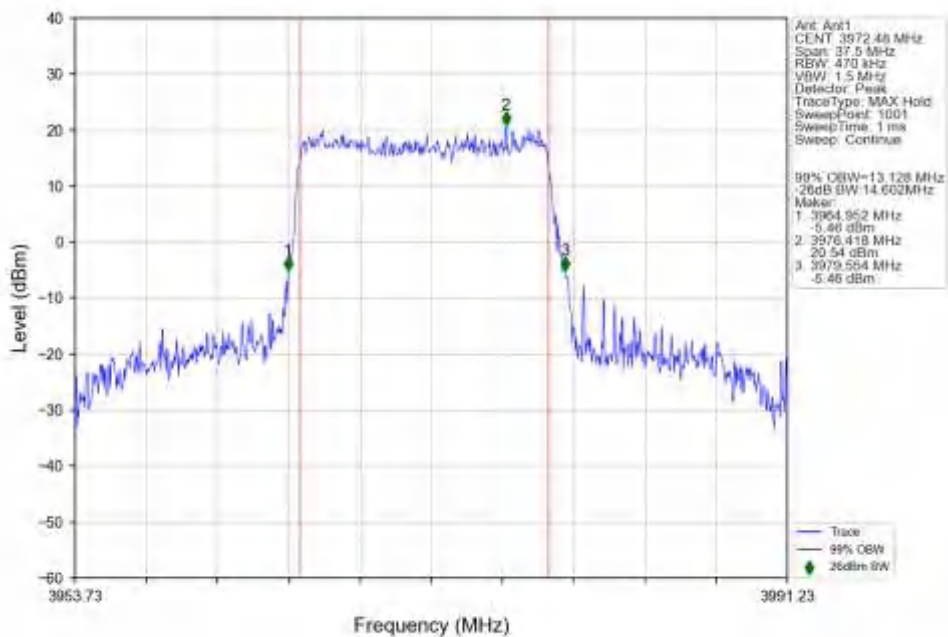
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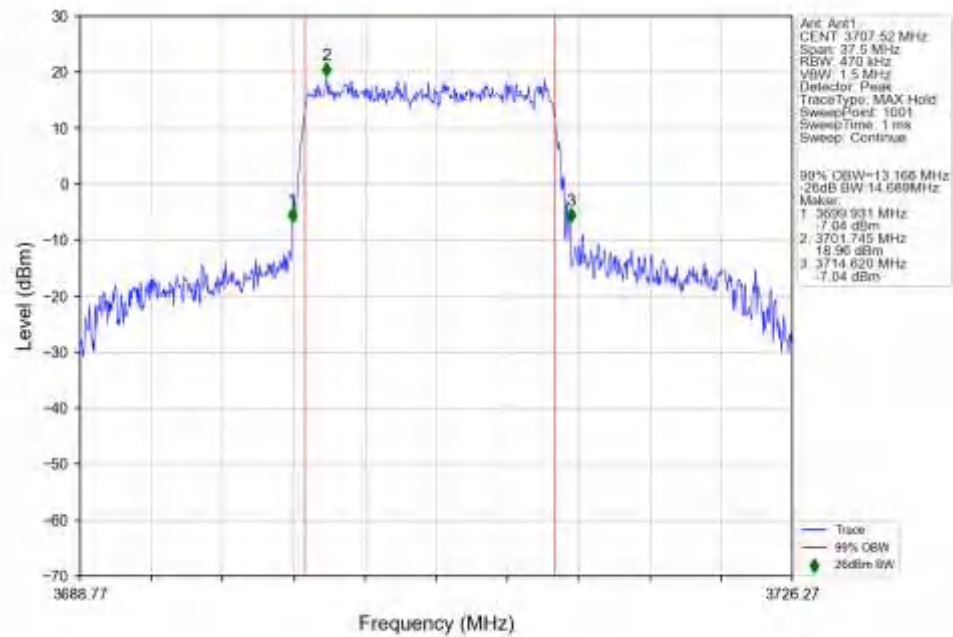
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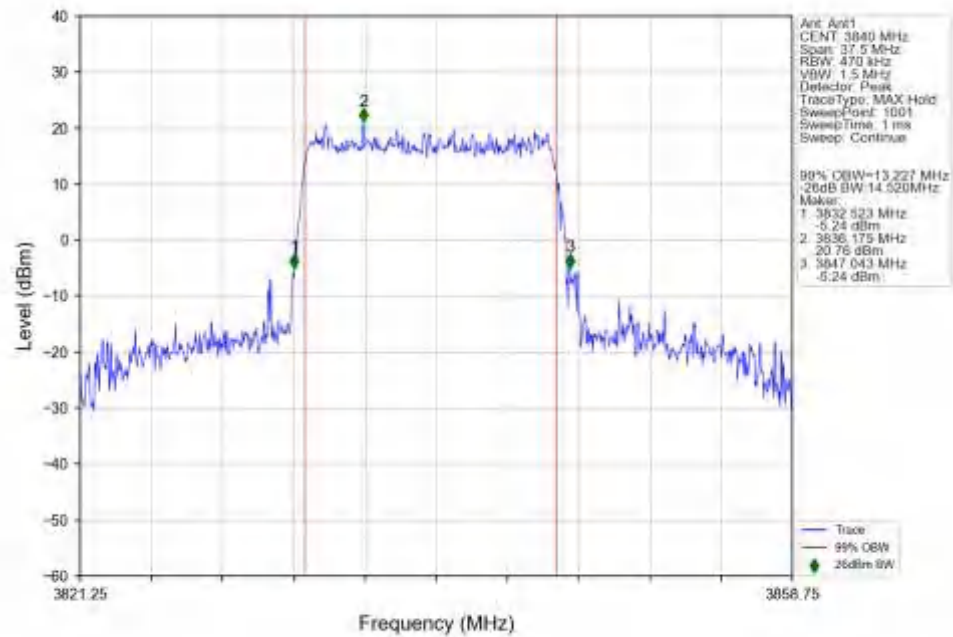
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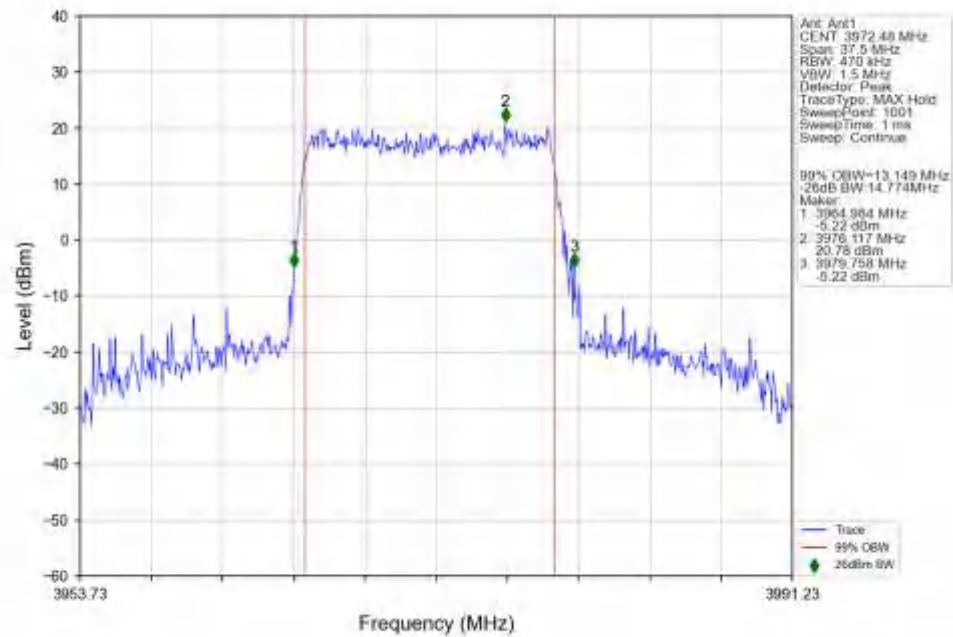
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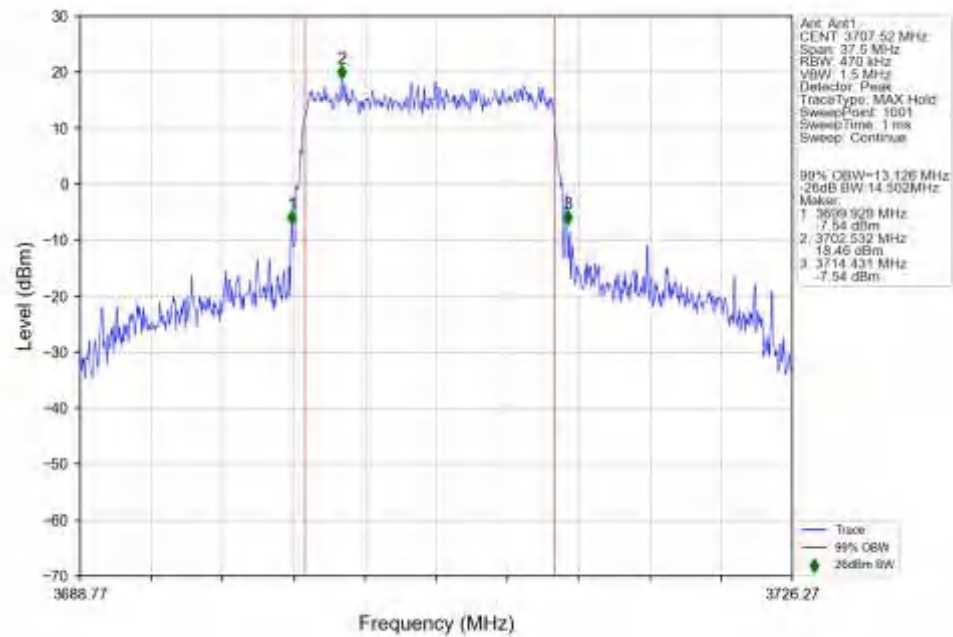
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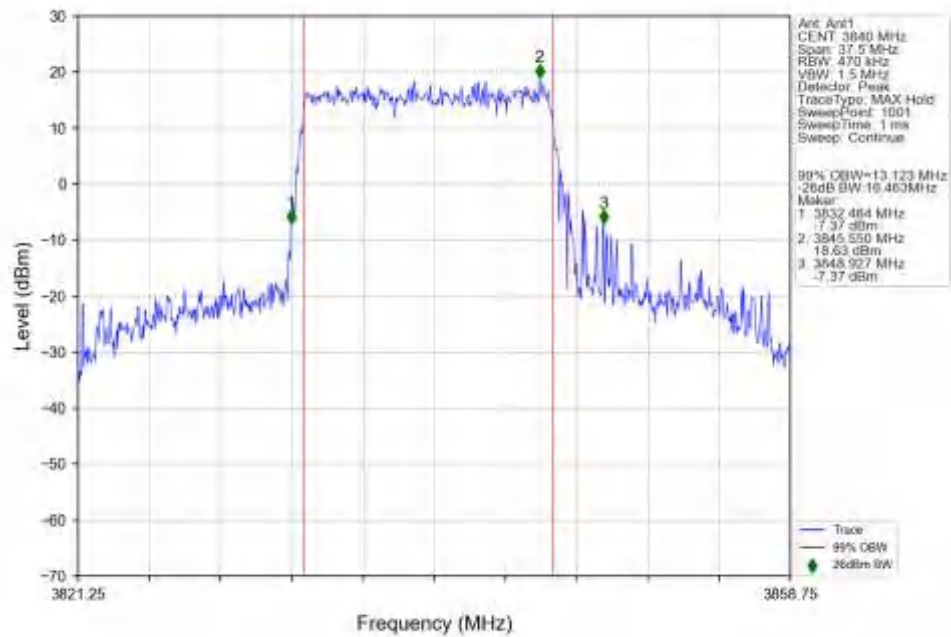
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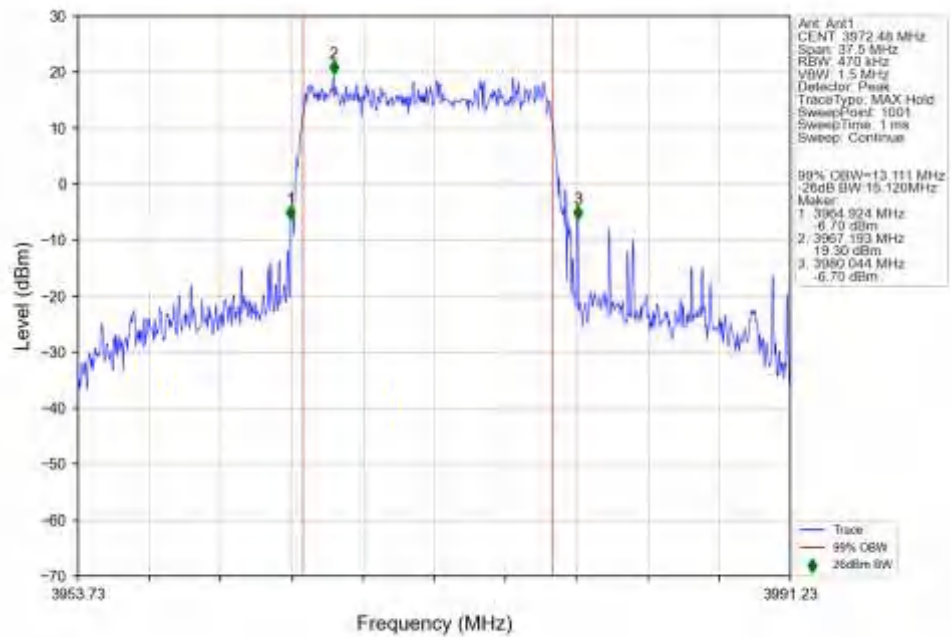
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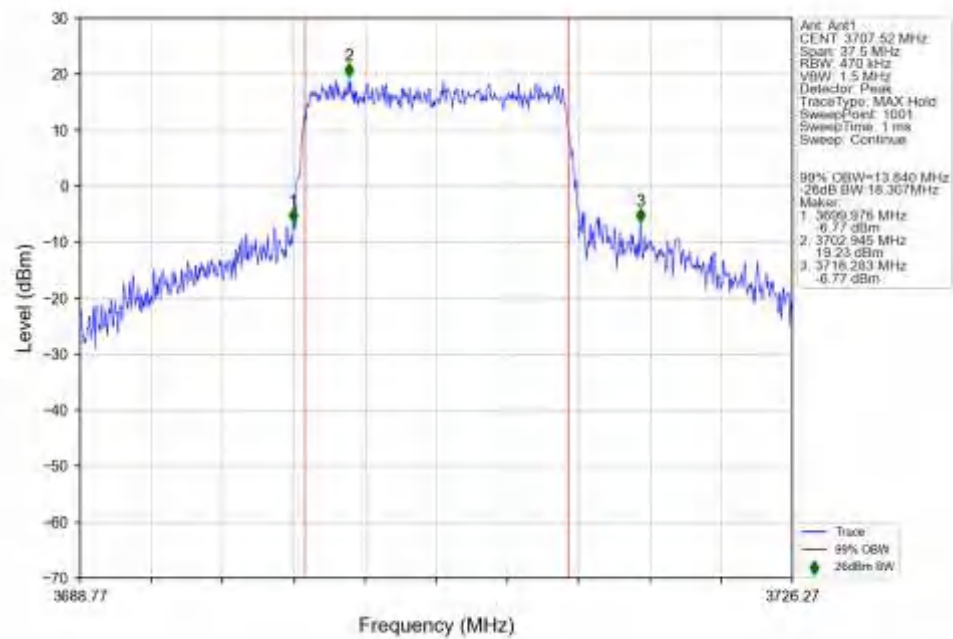
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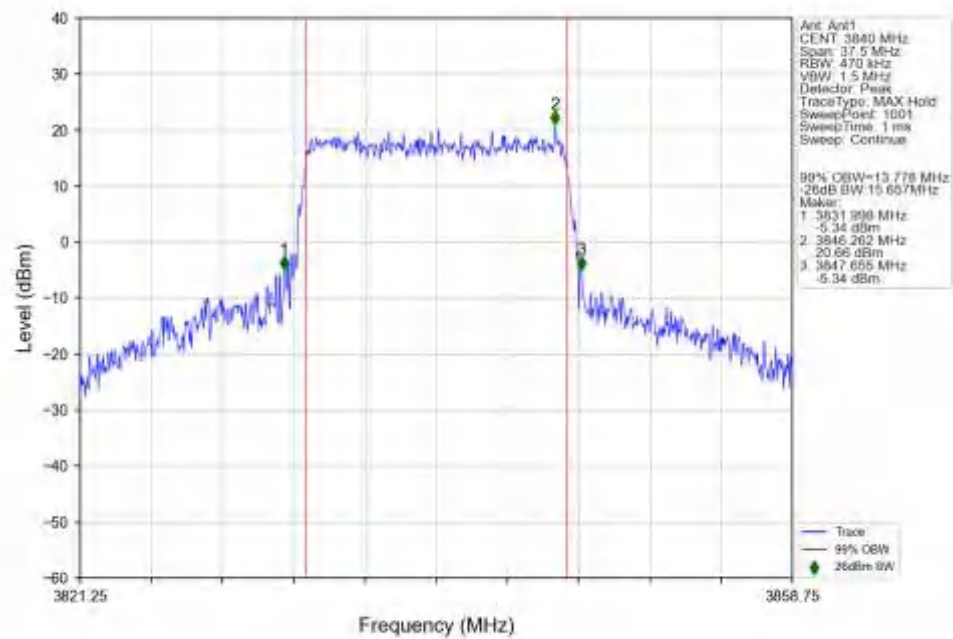
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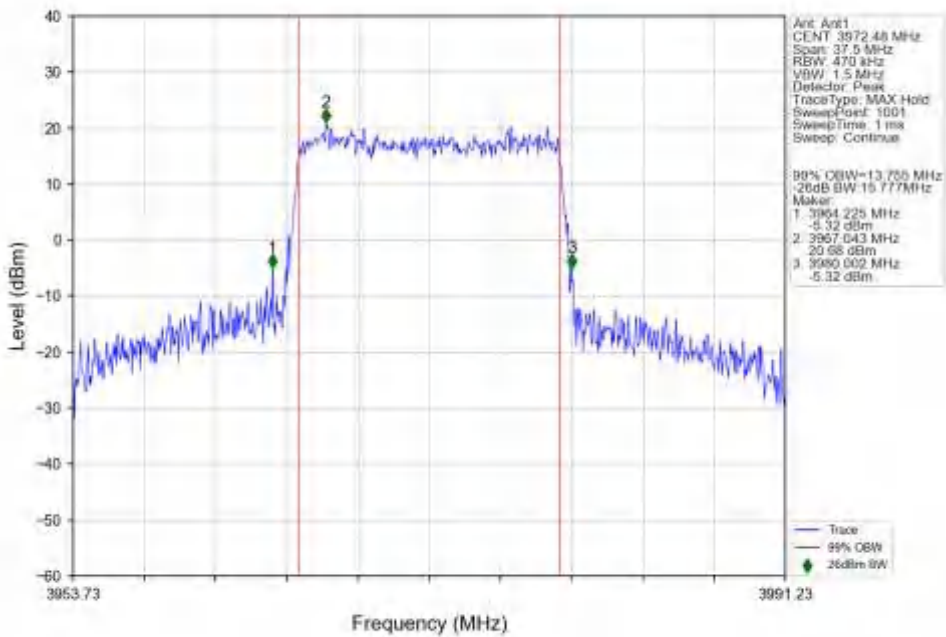
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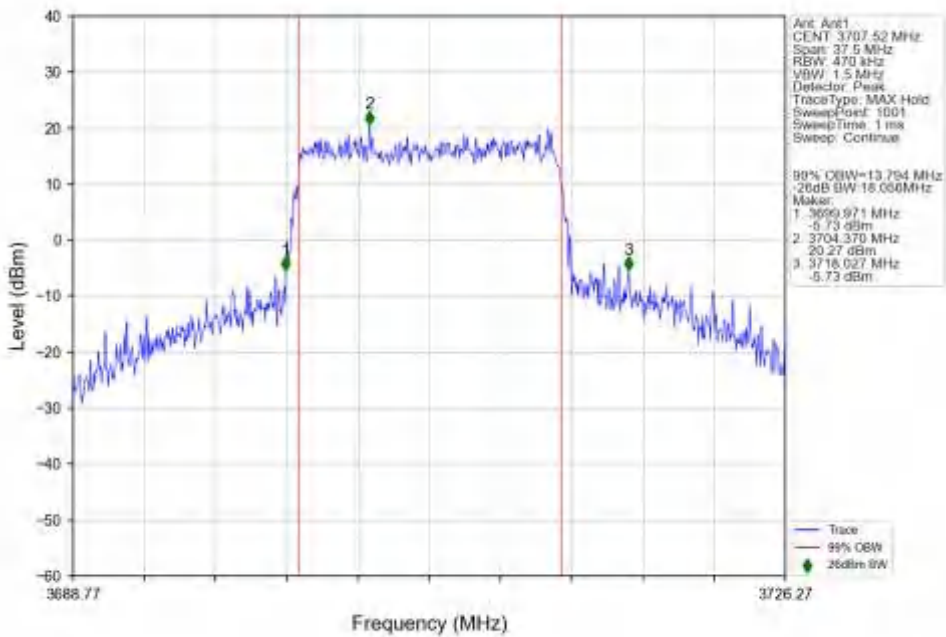
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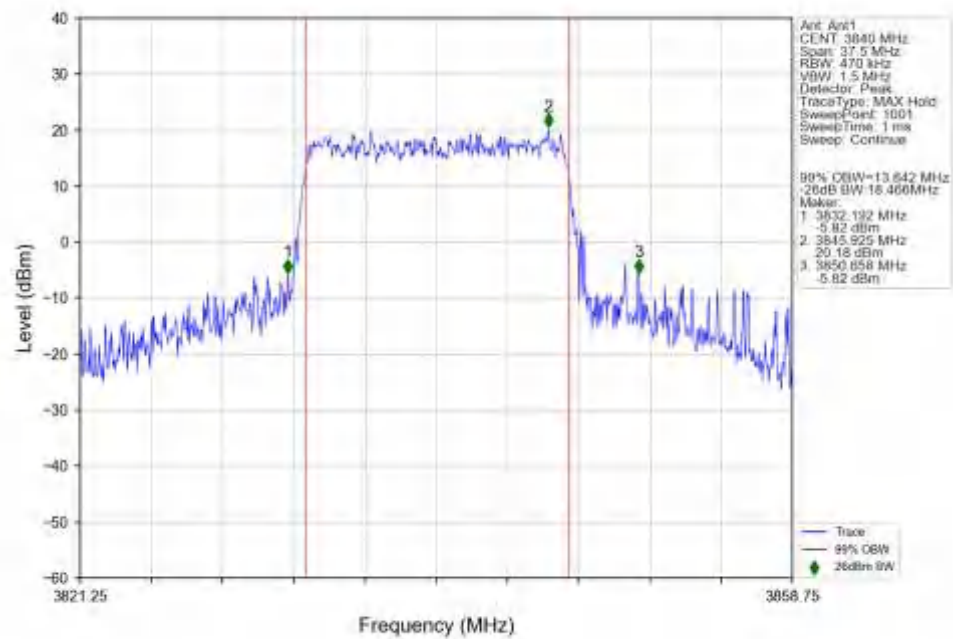
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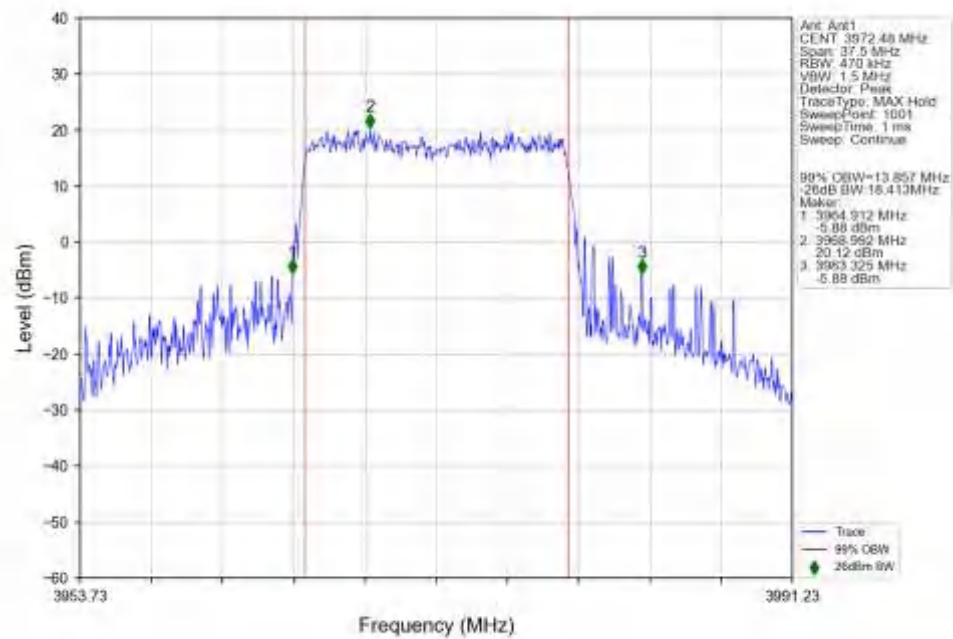
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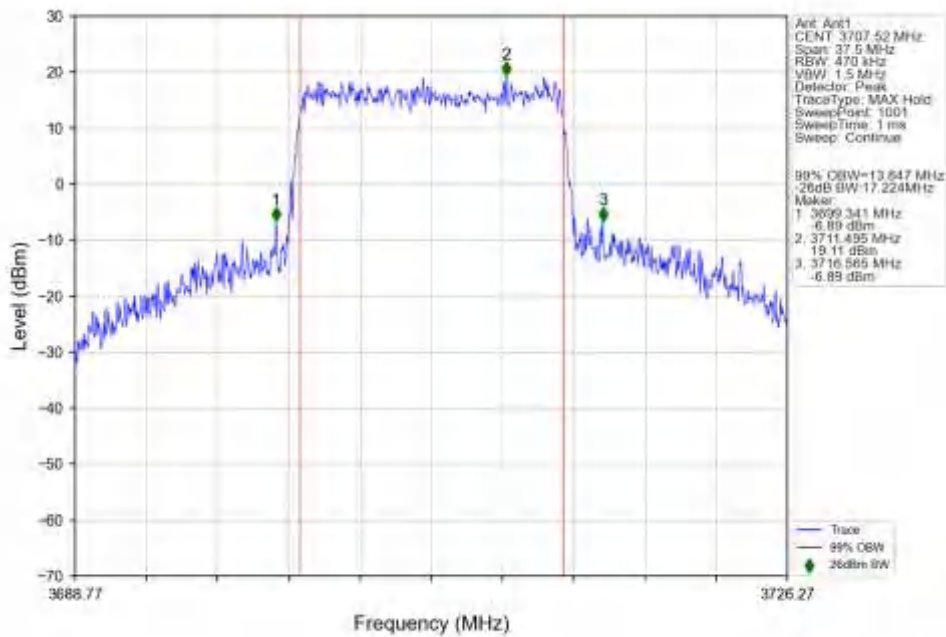
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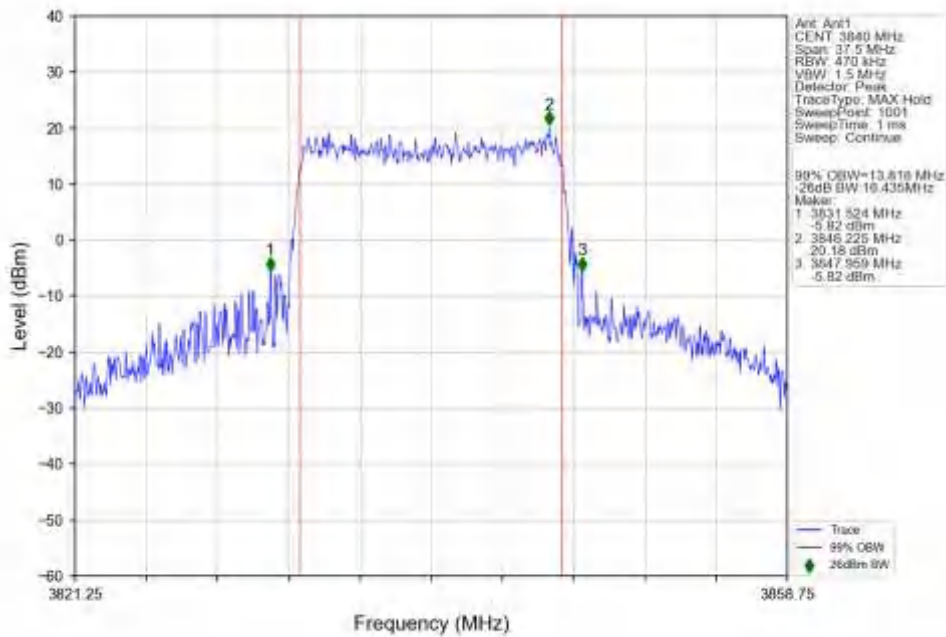
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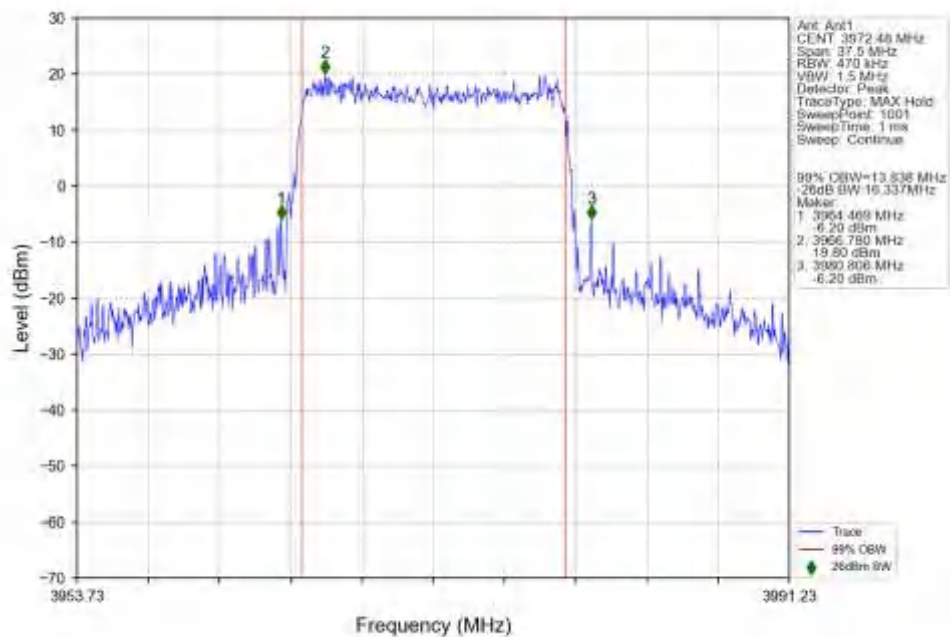
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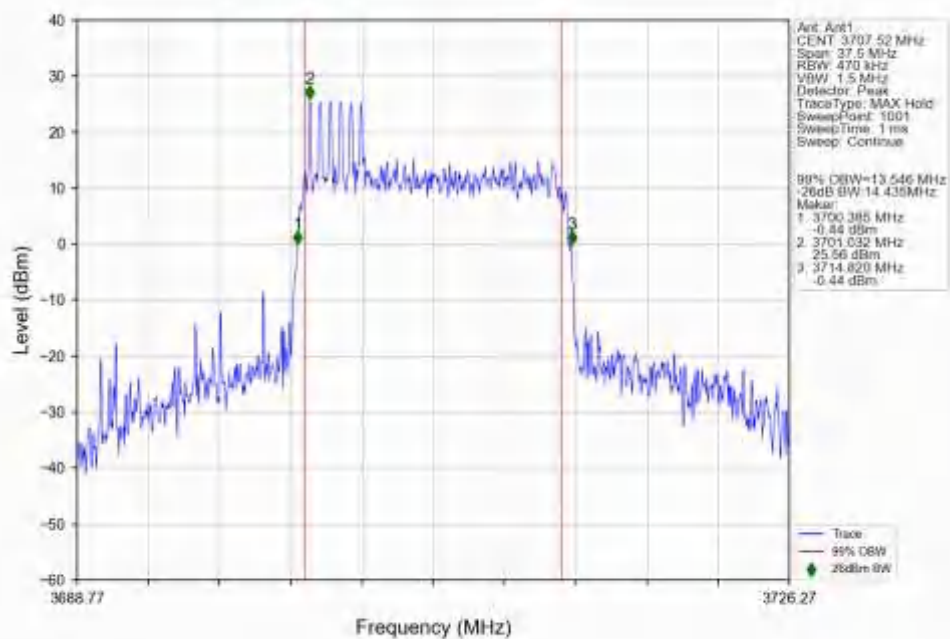
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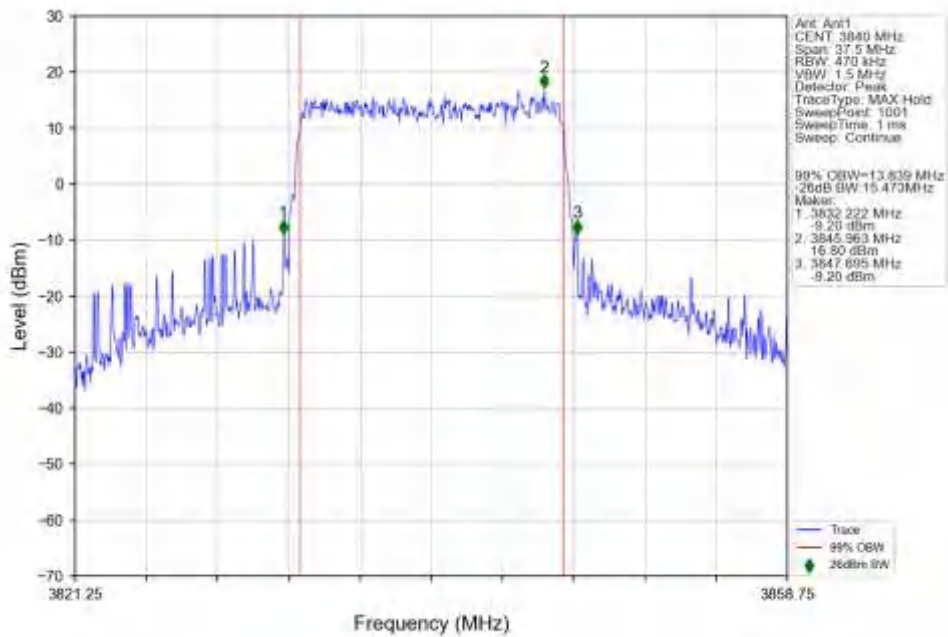
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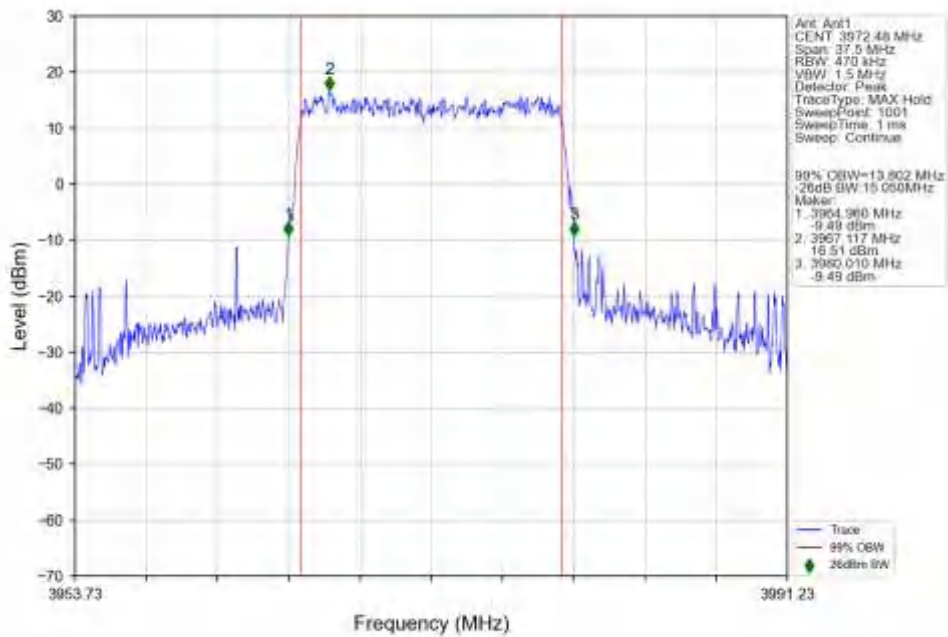
n77a 30kHz SISO NTN 15MHz CP-OFDM 256 QAM 3707.52MHz Outer Full Ant1



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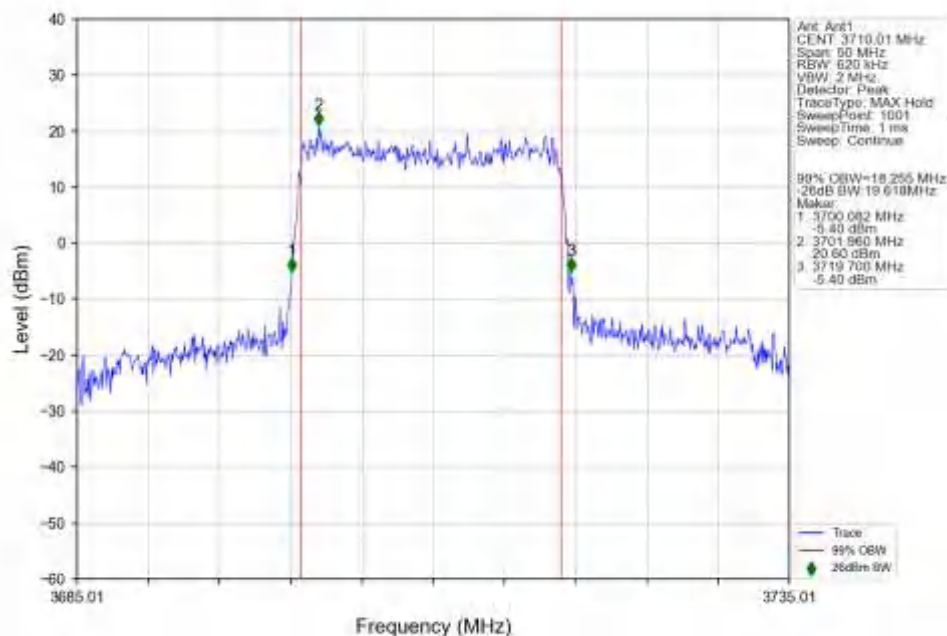


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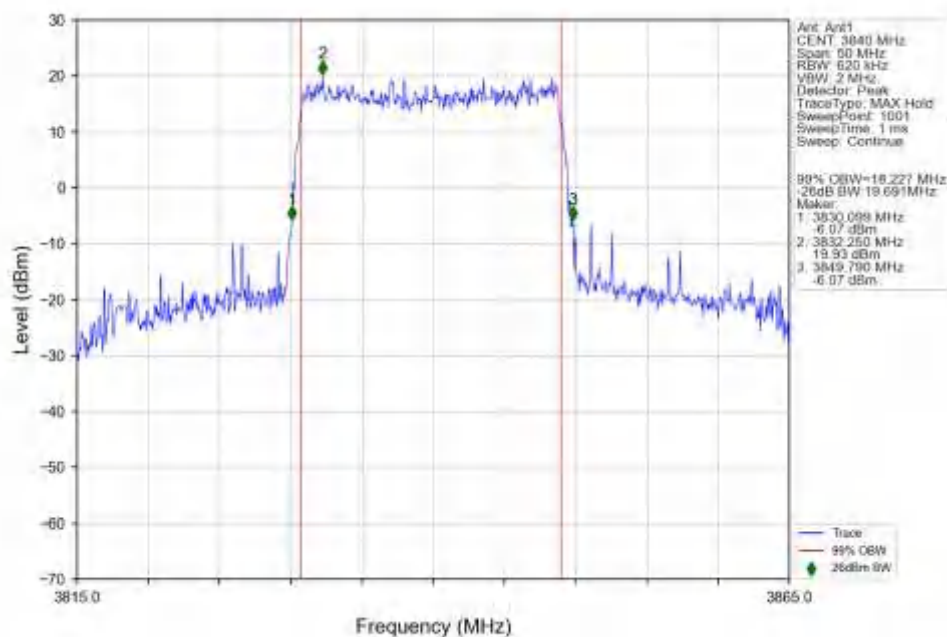


4.2.10 30k_SISO_20MHz_NTNV

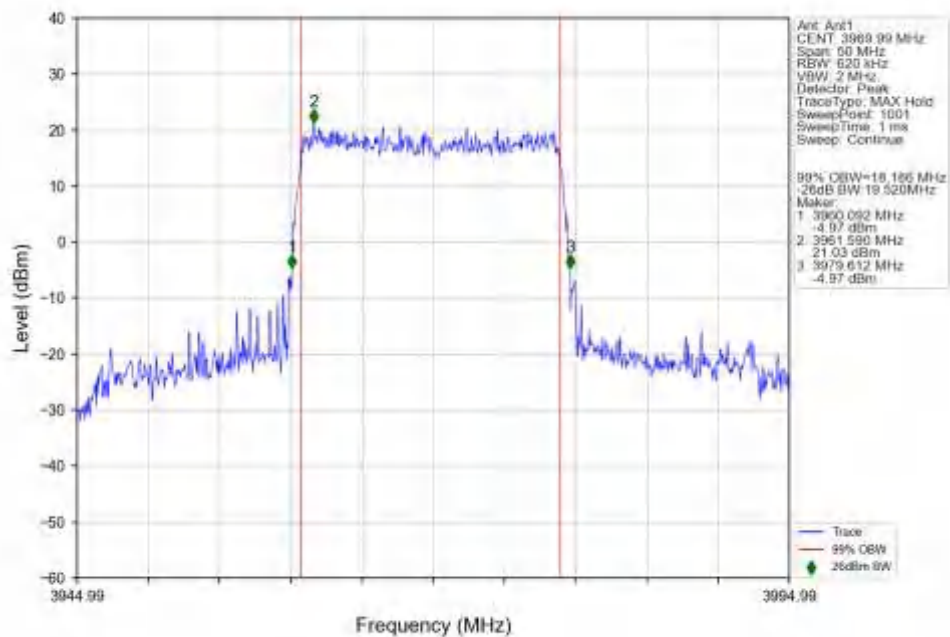
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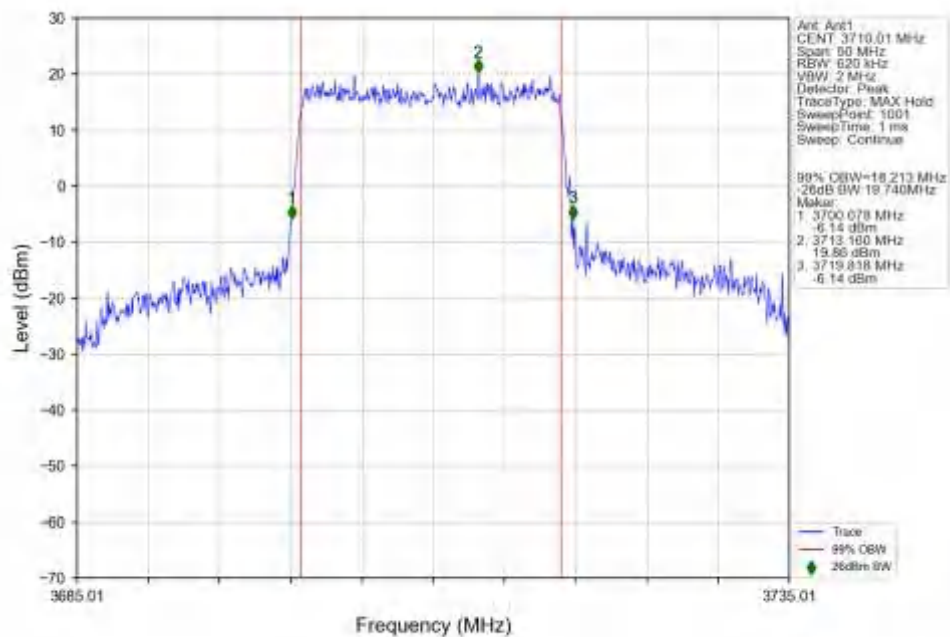
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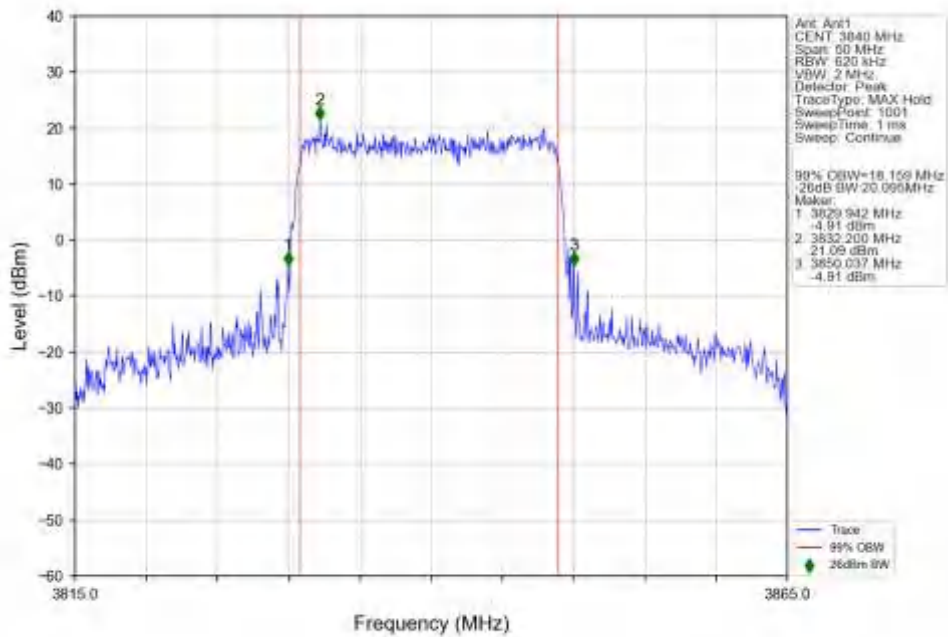
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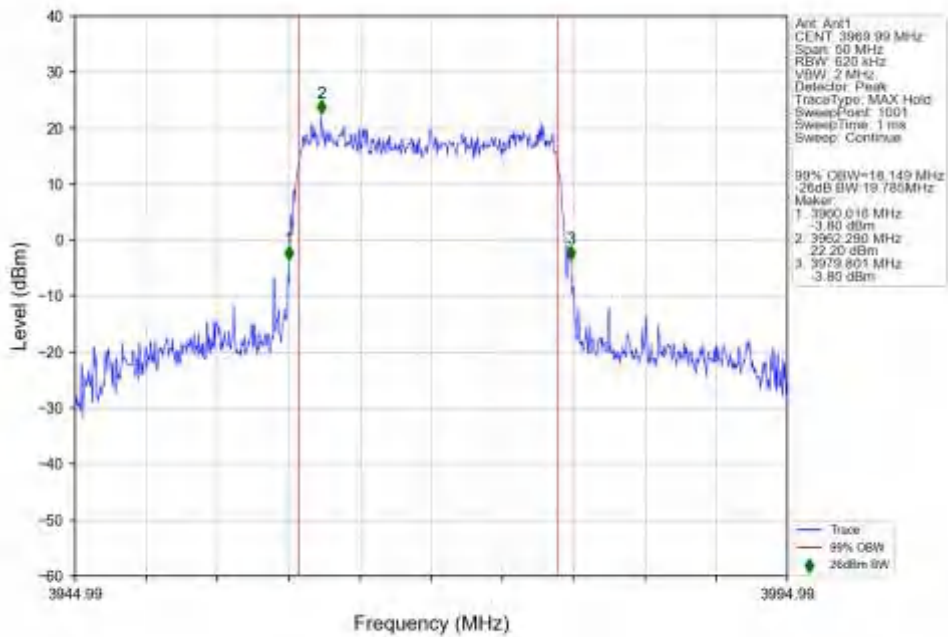
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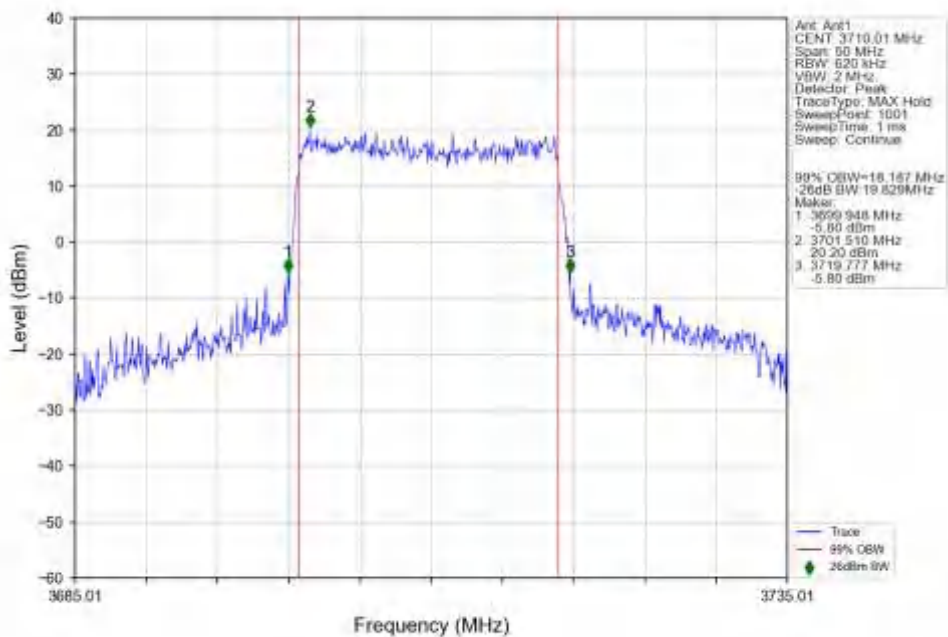
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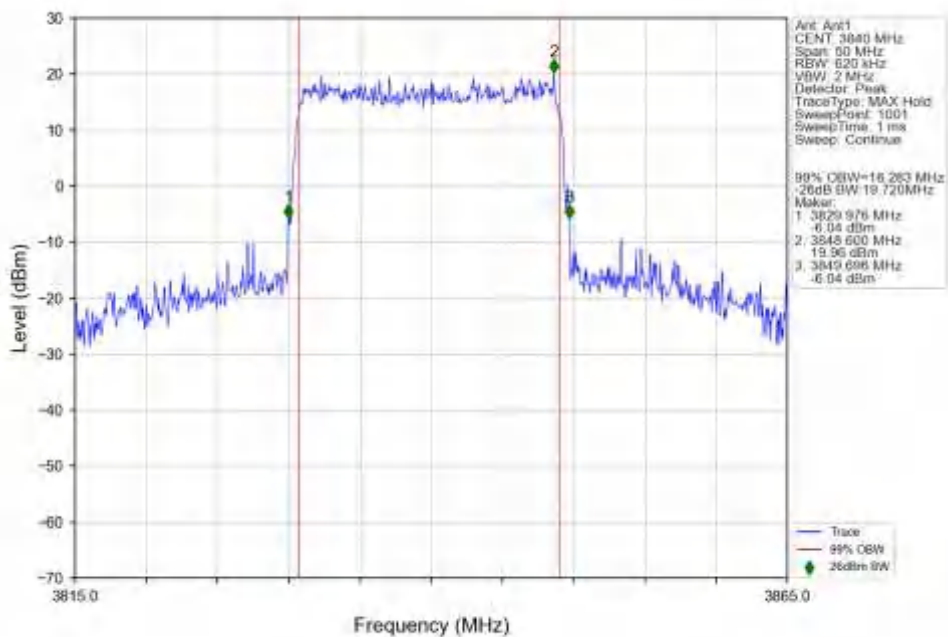
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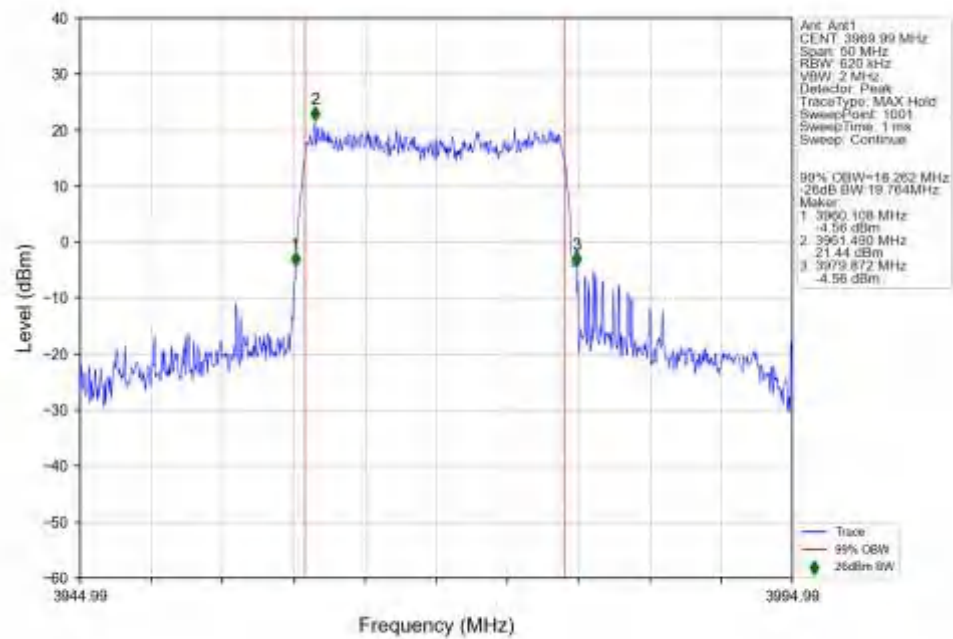
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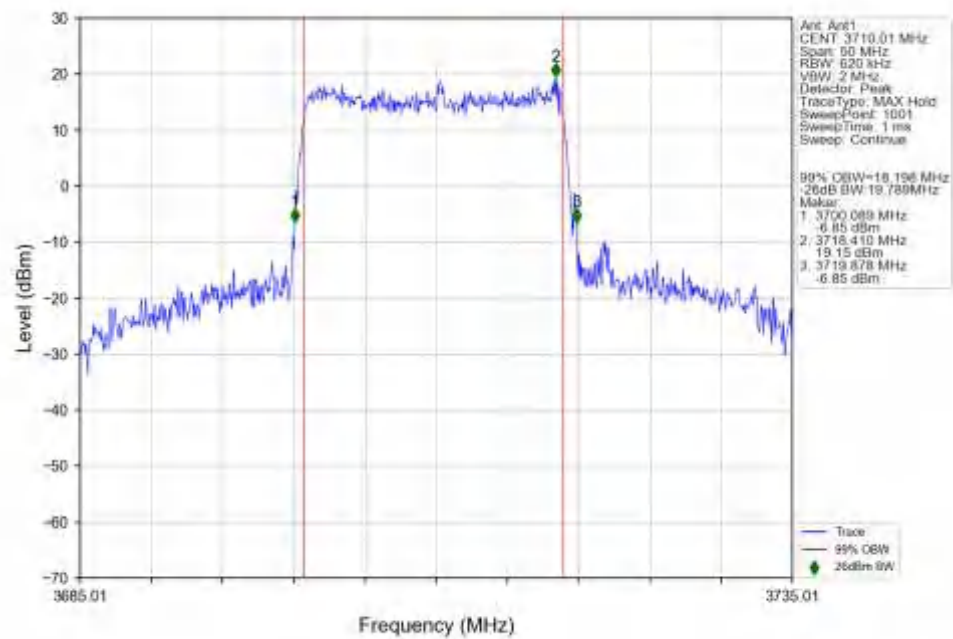
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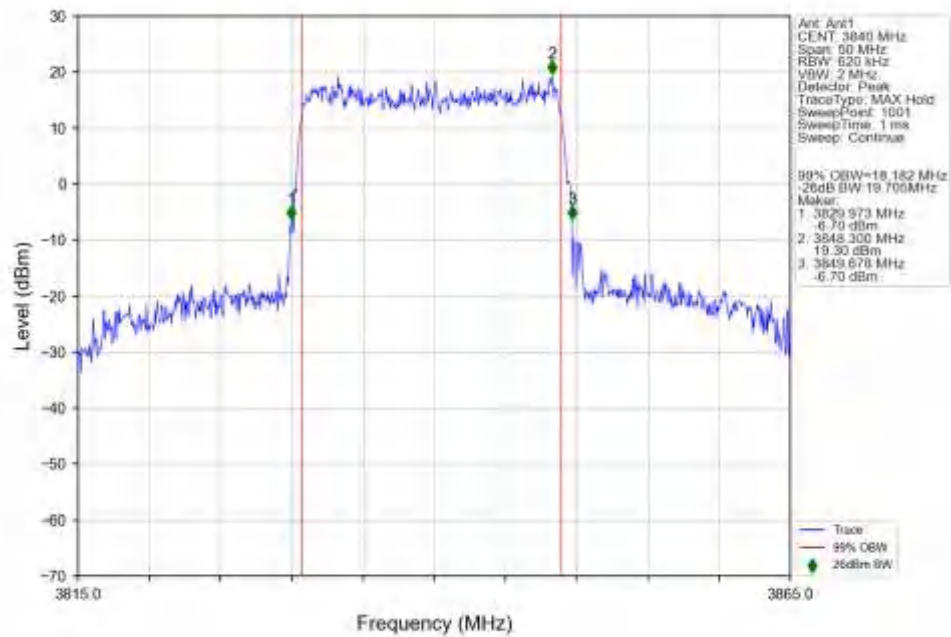
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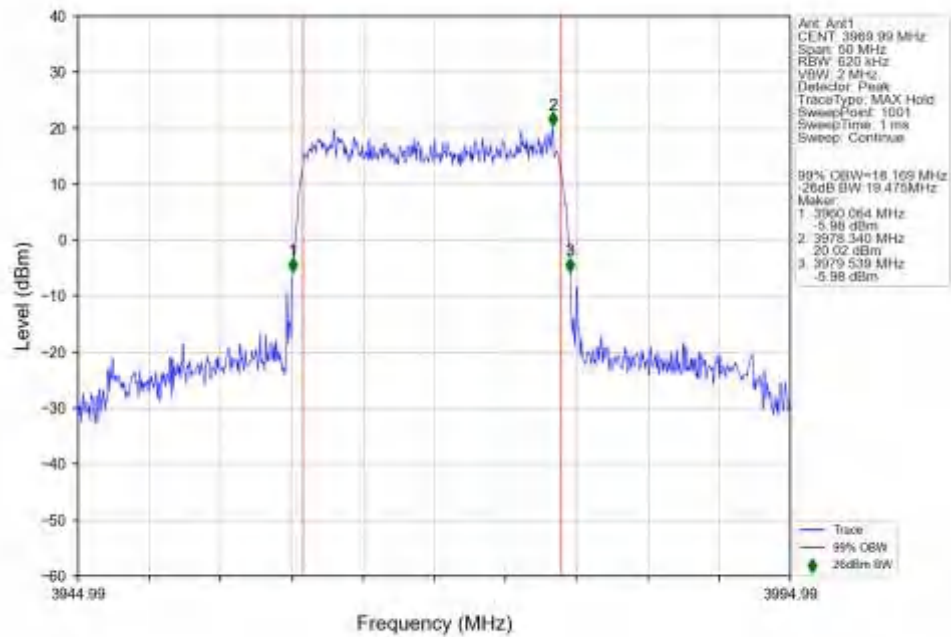
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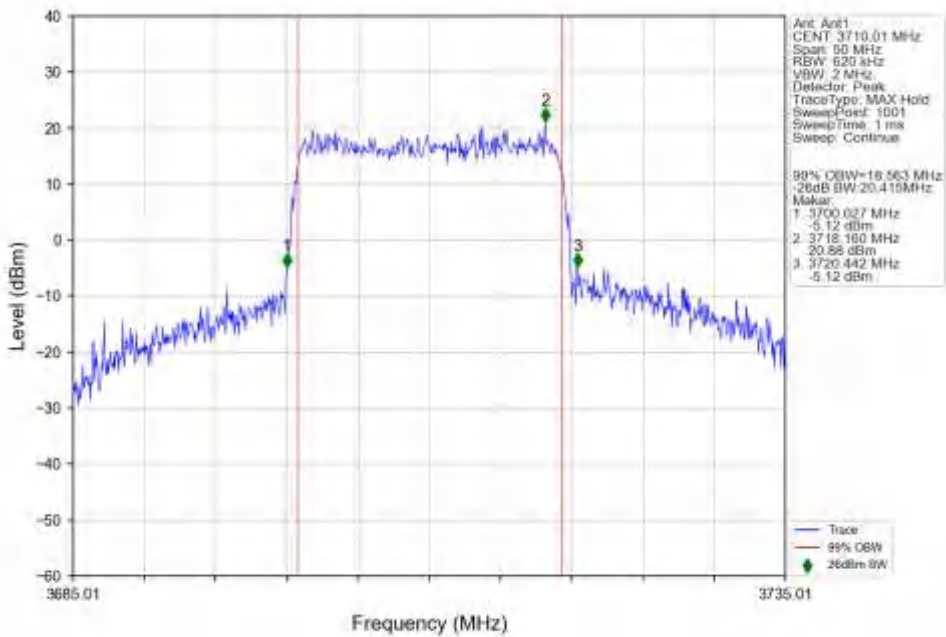
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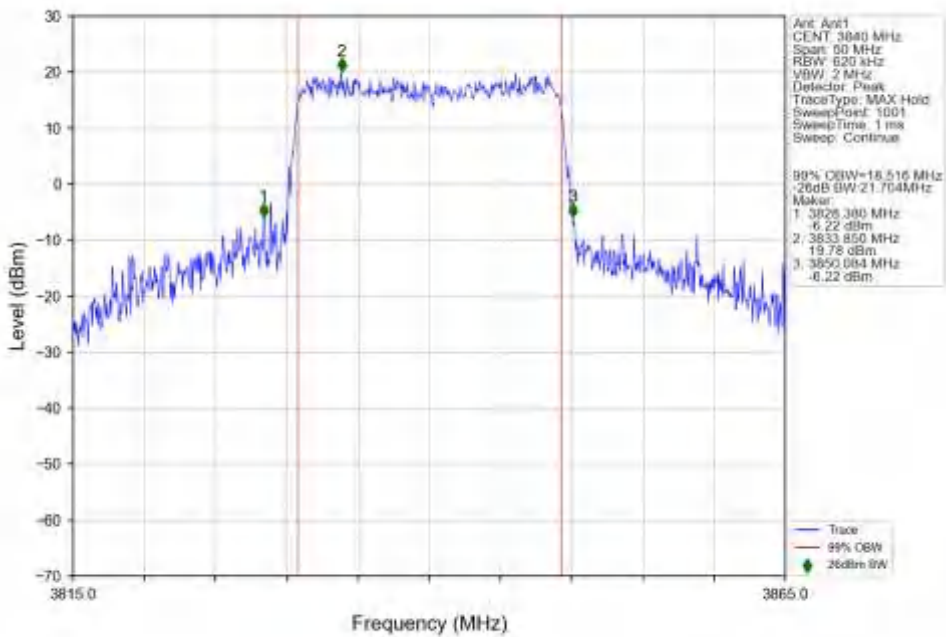
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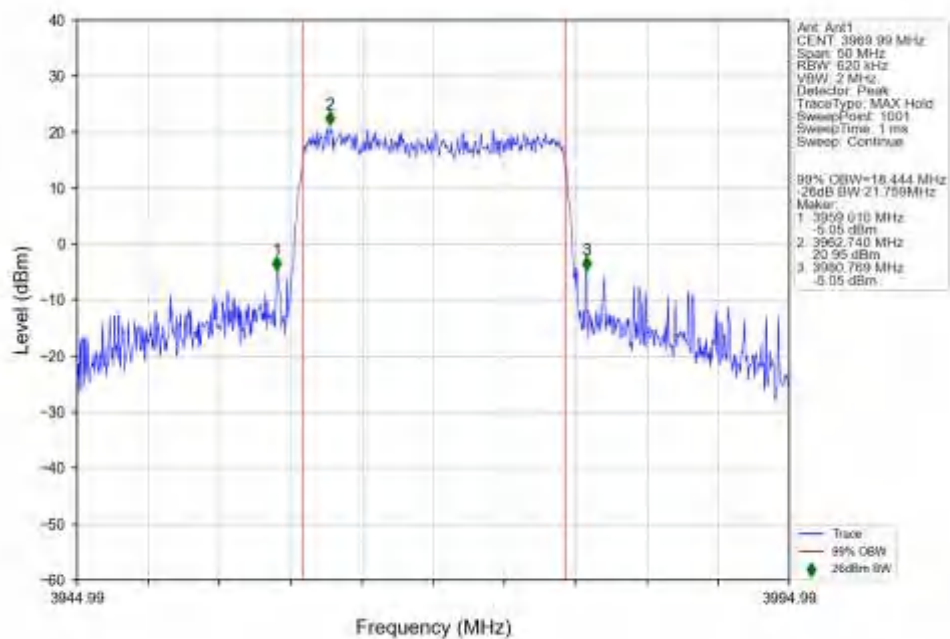
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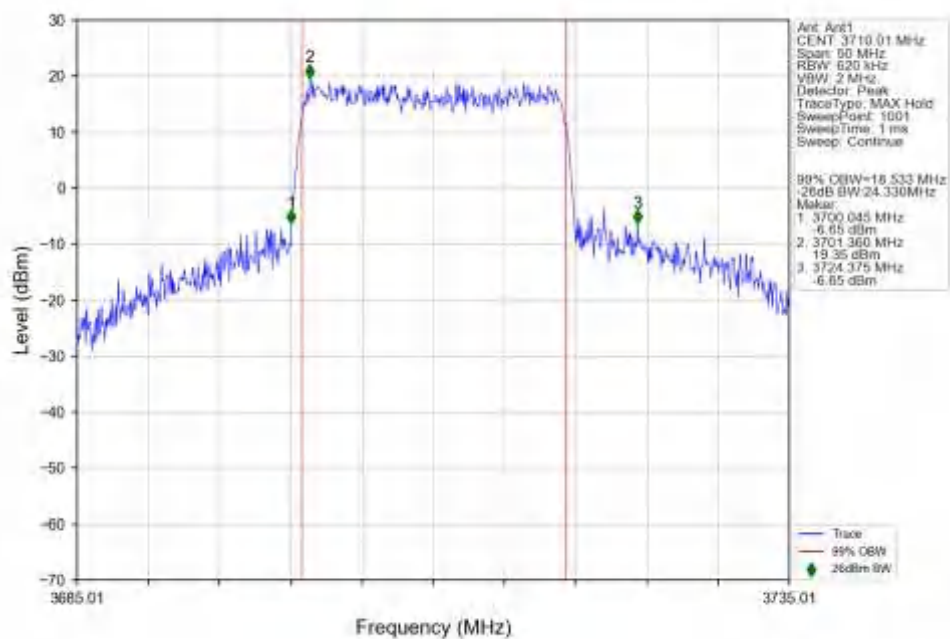
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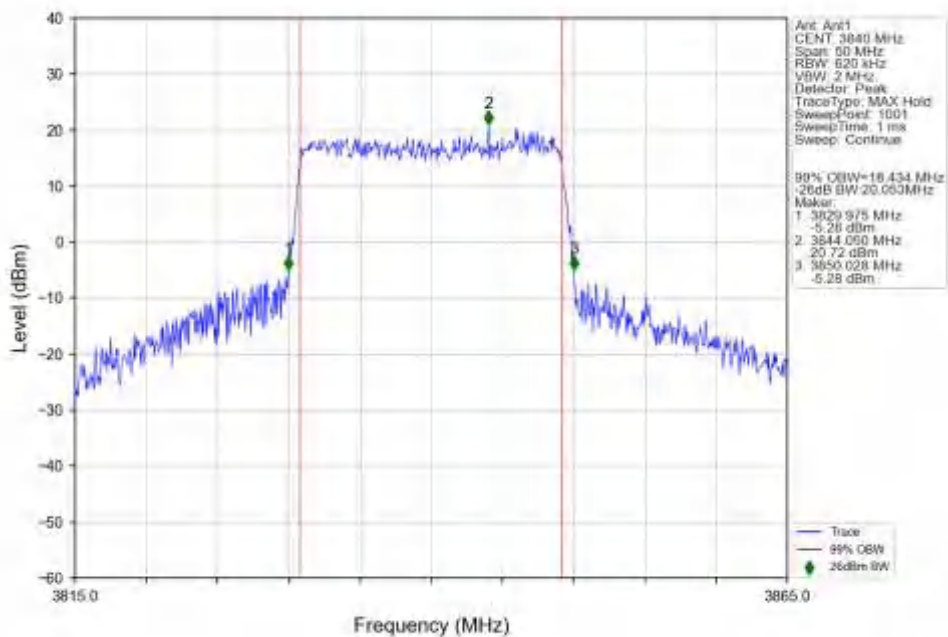
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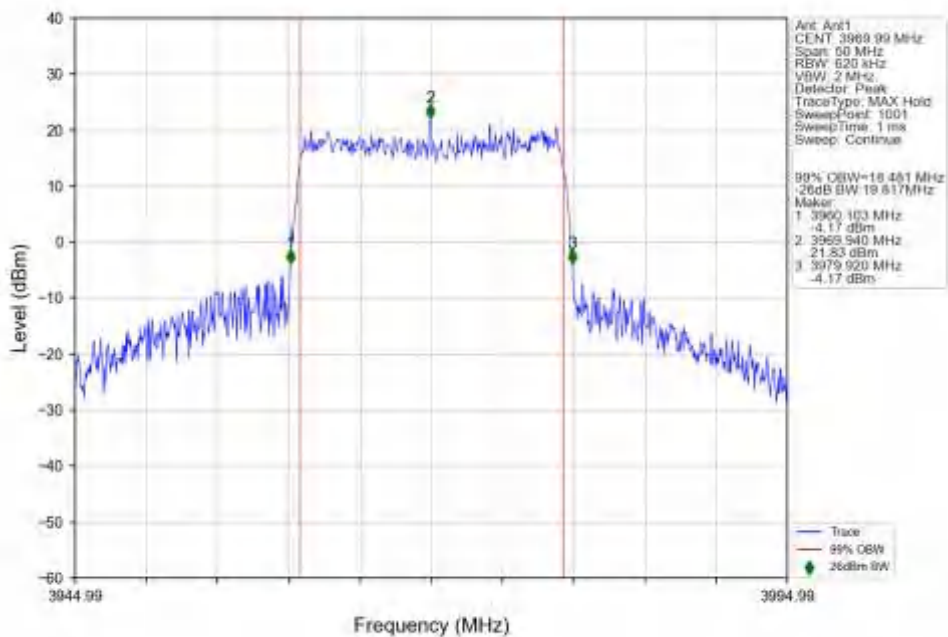
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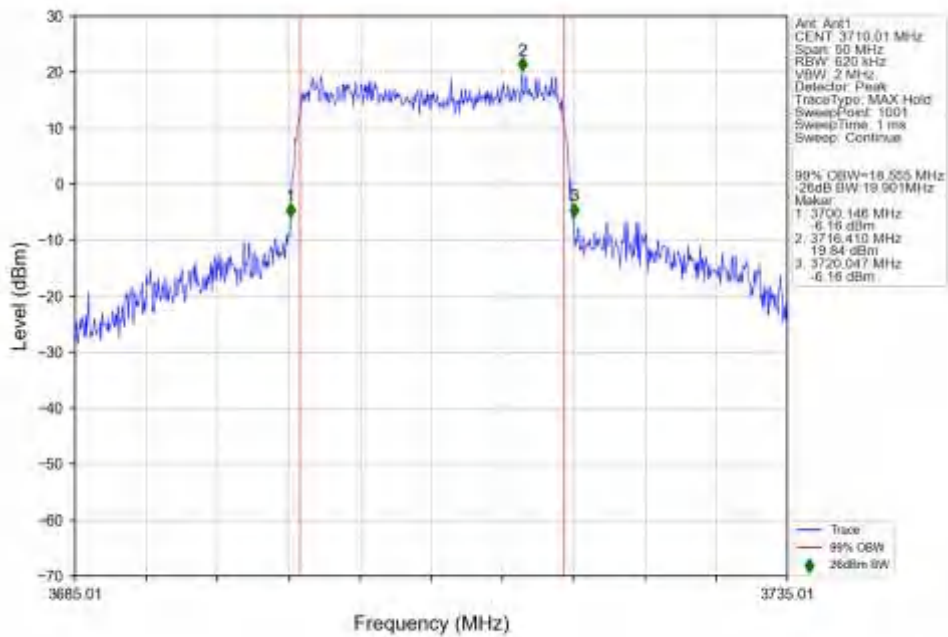
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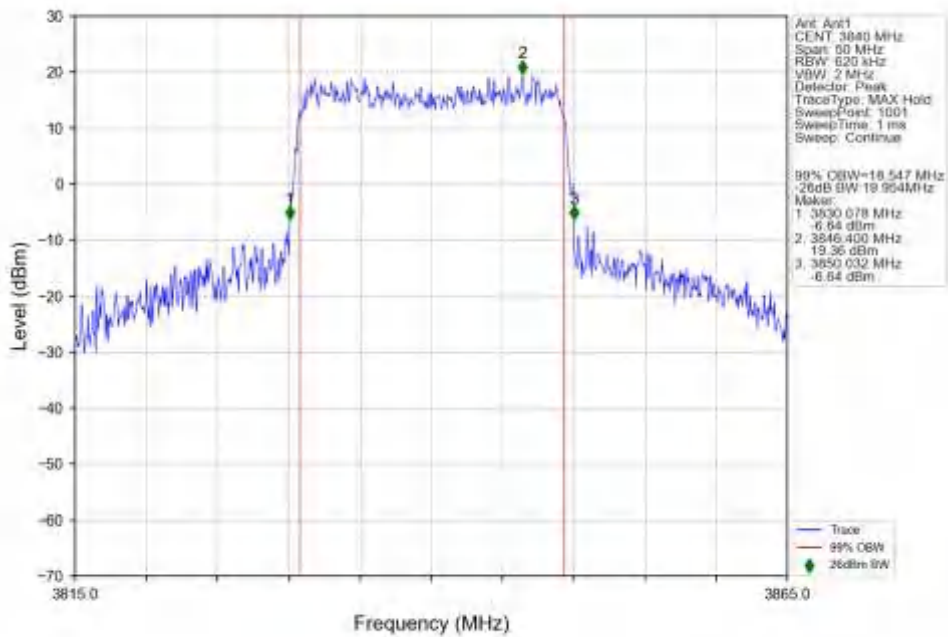
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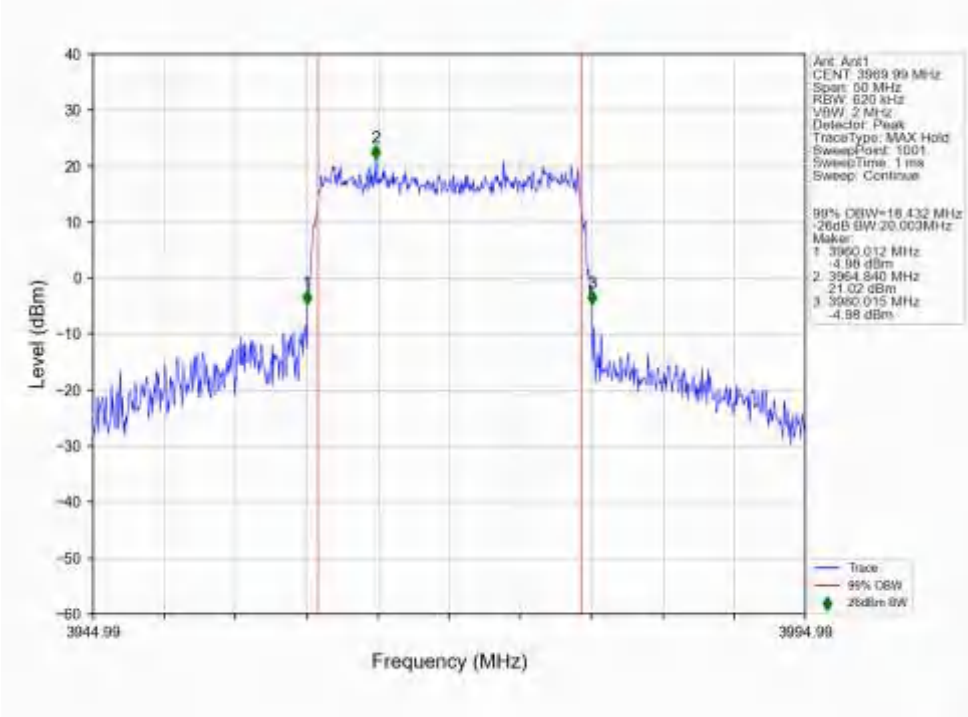
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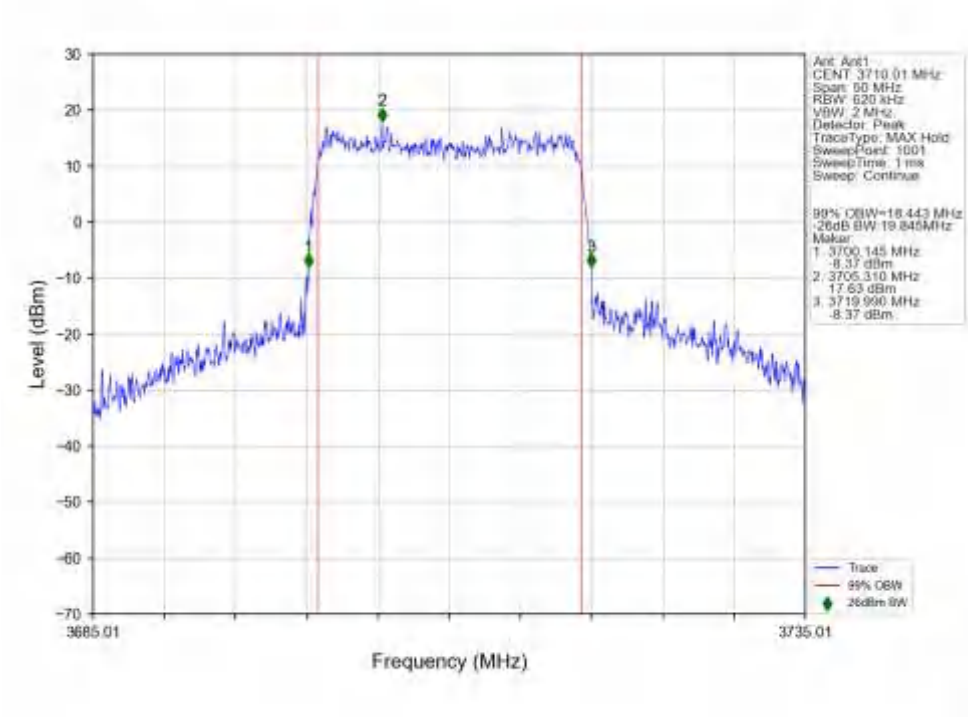
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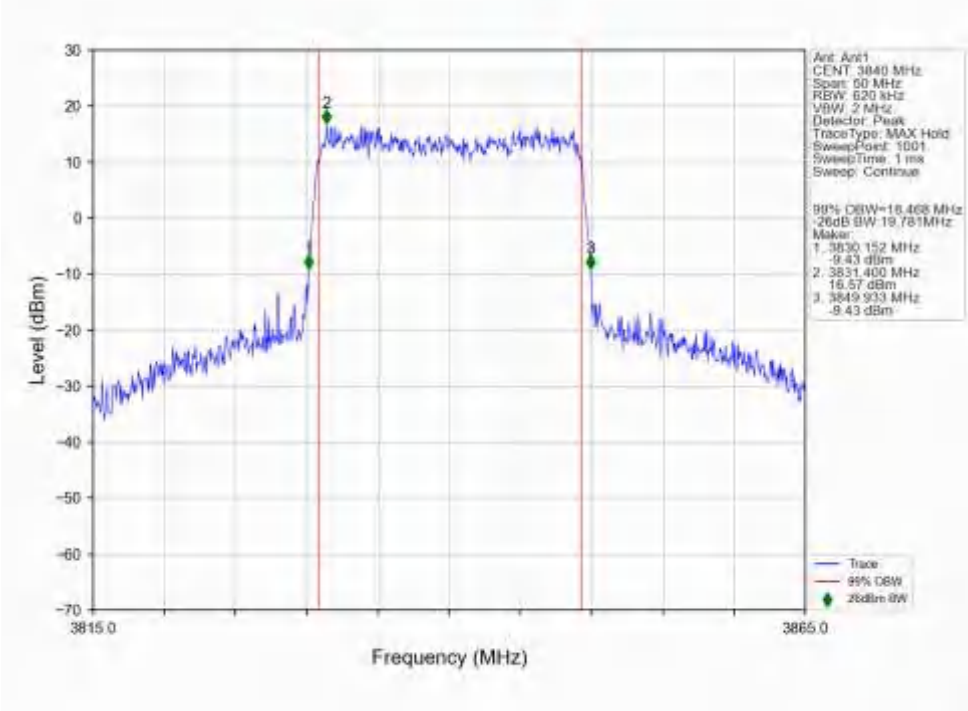
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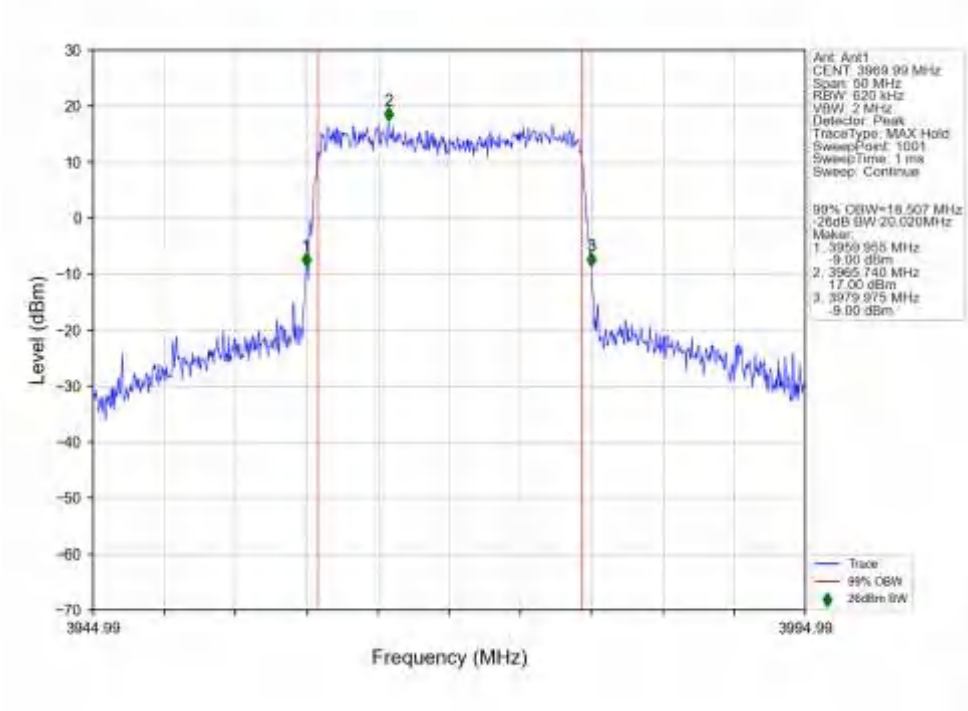
n77a 30kHz SISO NTN 20MHz CP-OFDM 256 QAM 3710.01MHz Outer Full Ant1



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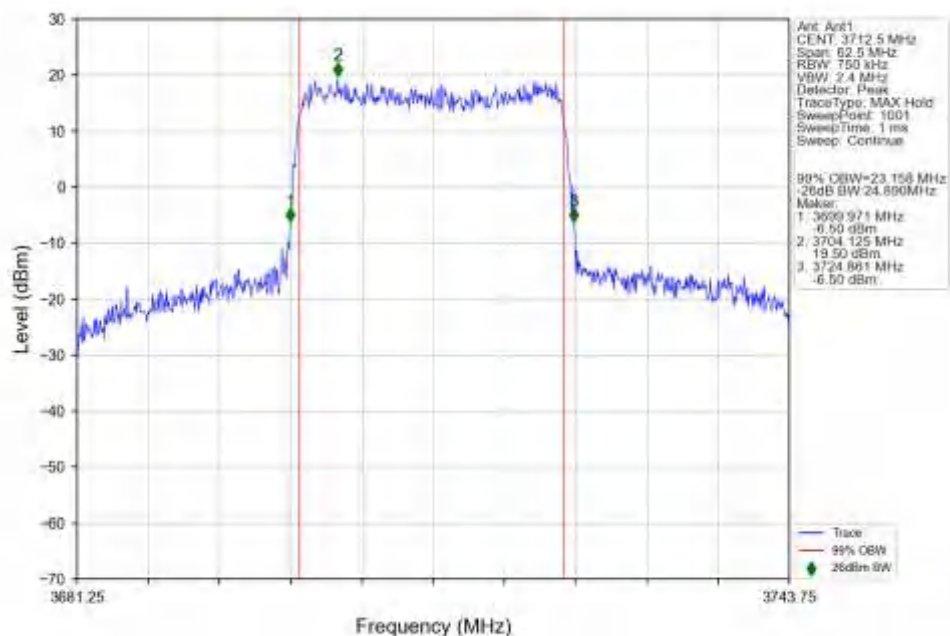


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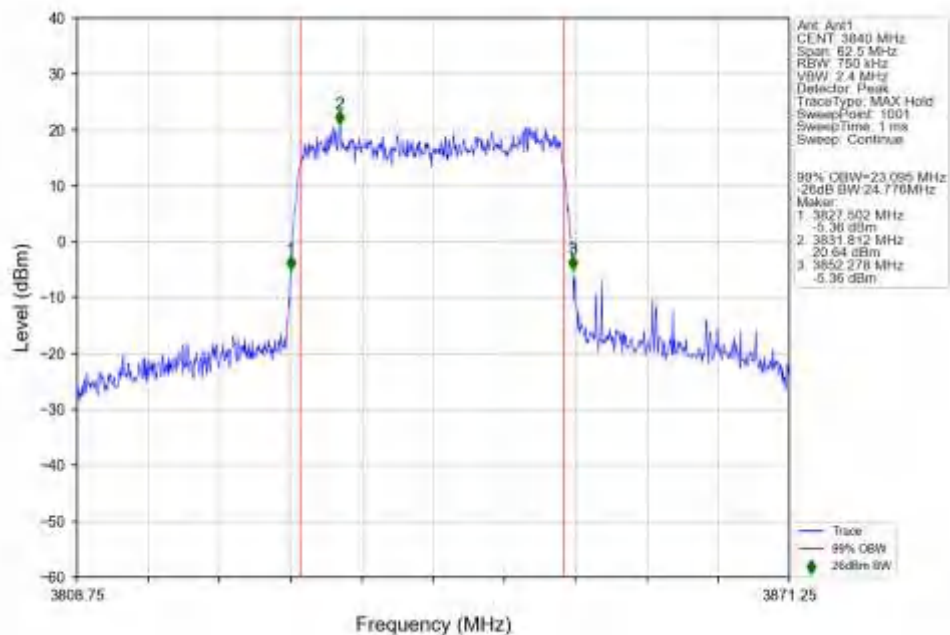


4.2.11 30k_SISO_25MHz_NTNV

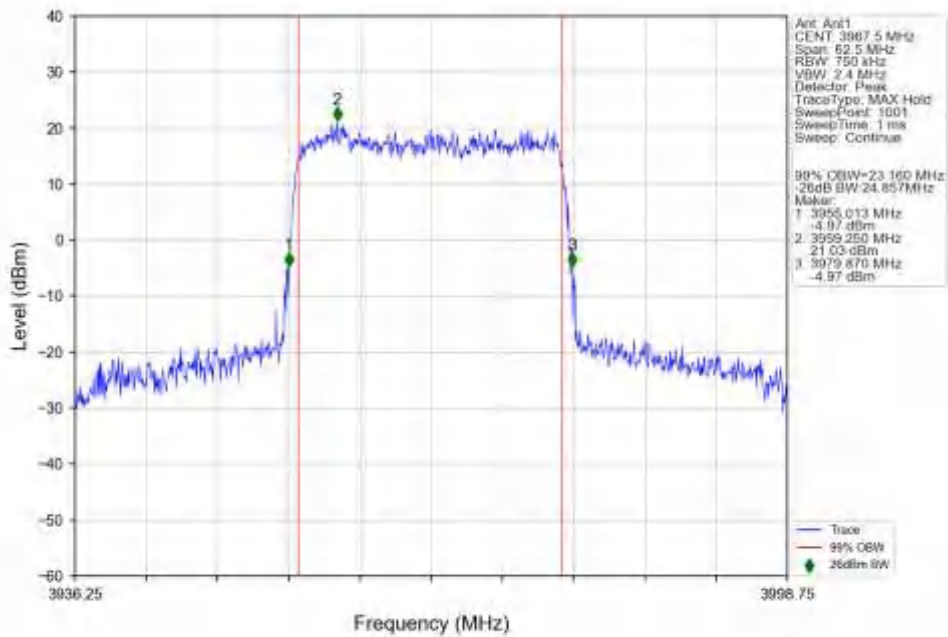
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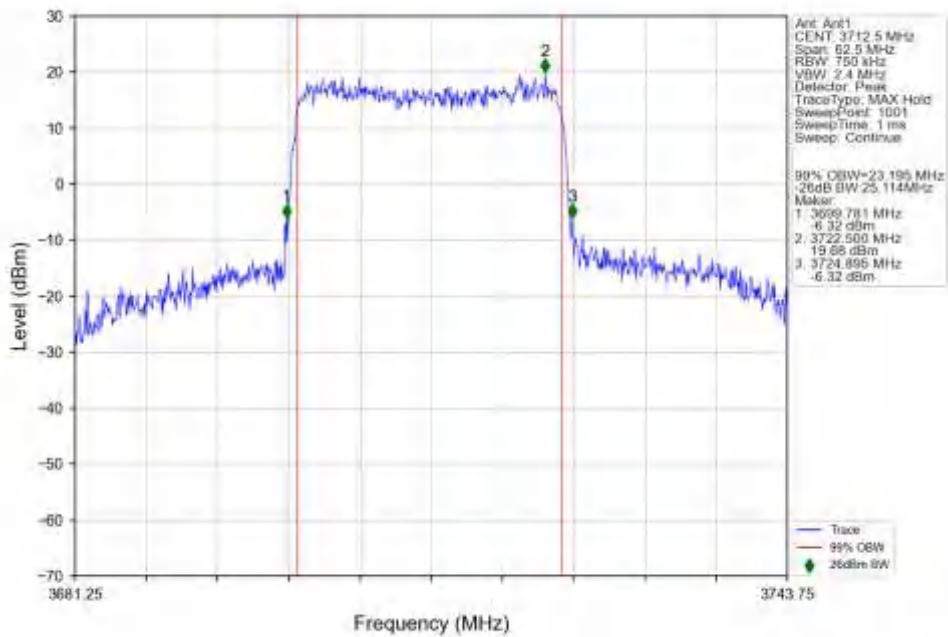
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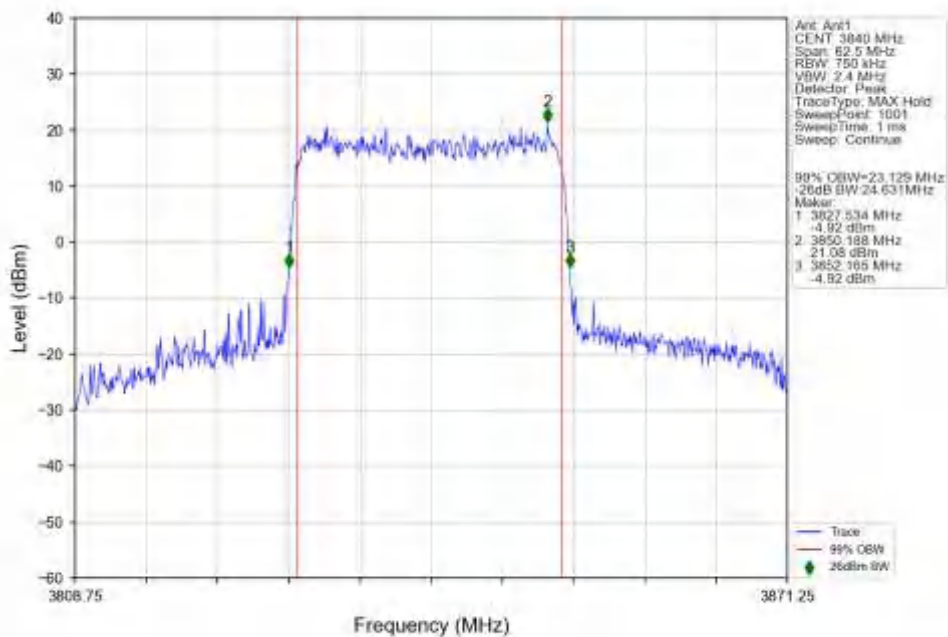
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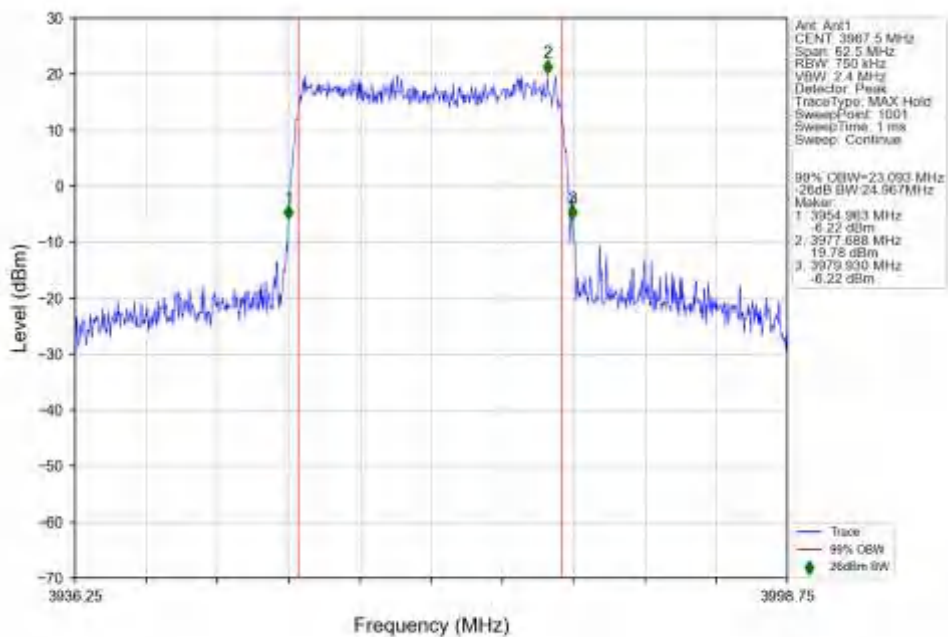
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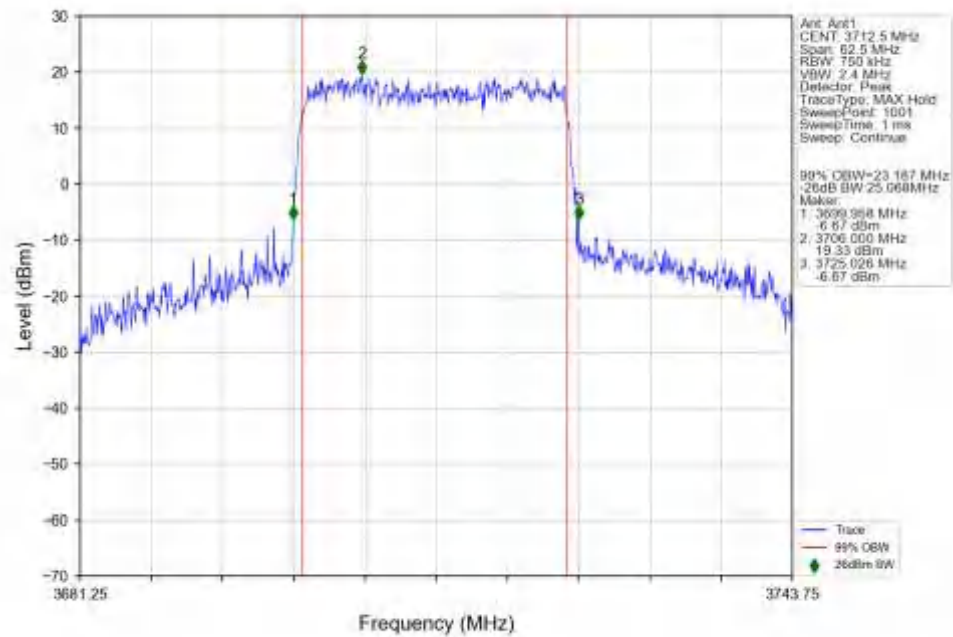
n77a 30kHz SISO NTN 25MHz DFT-s-OFDM 16 QAM 3840MHz Outer Full Ant1



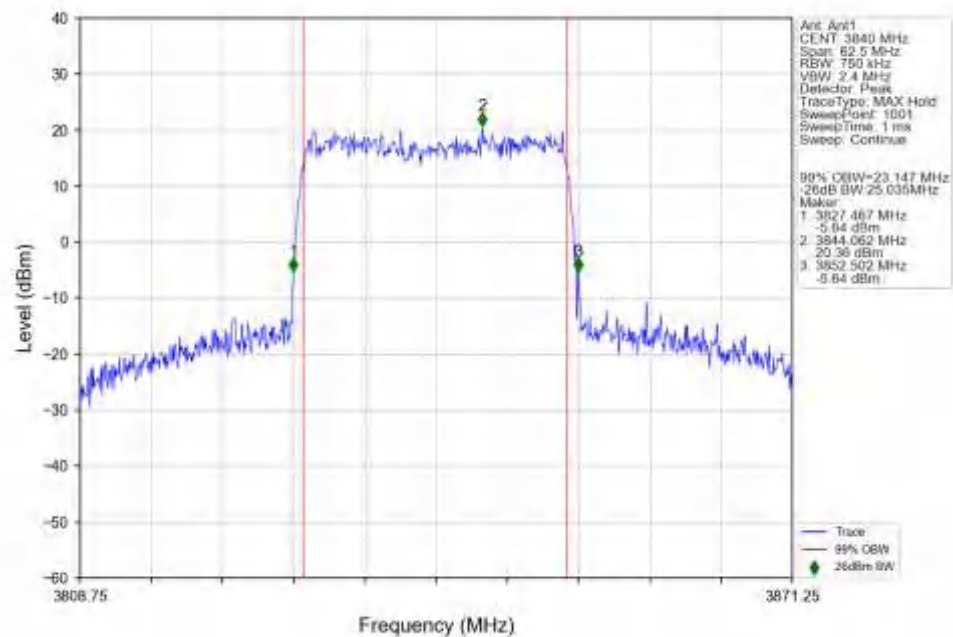
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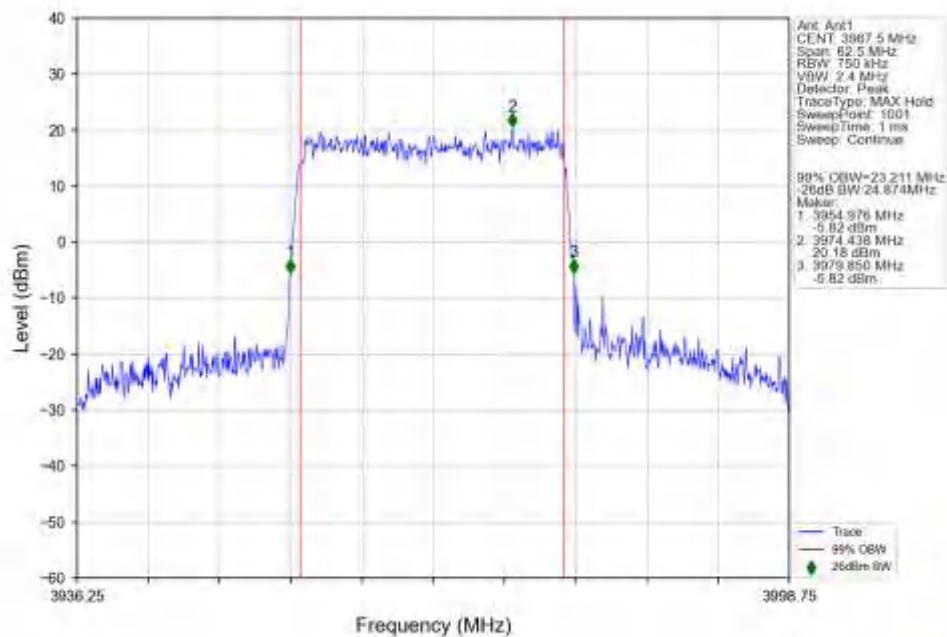
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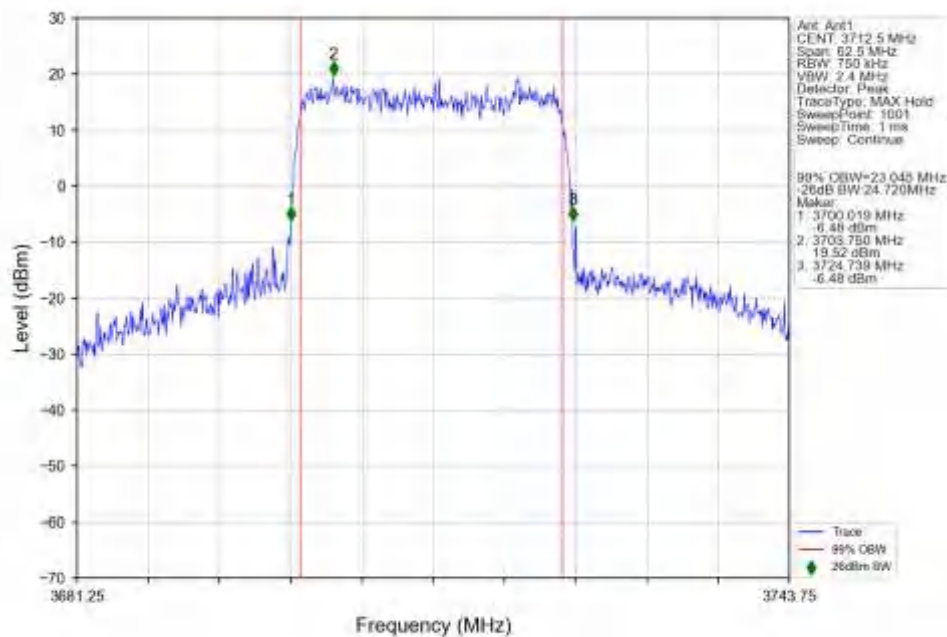
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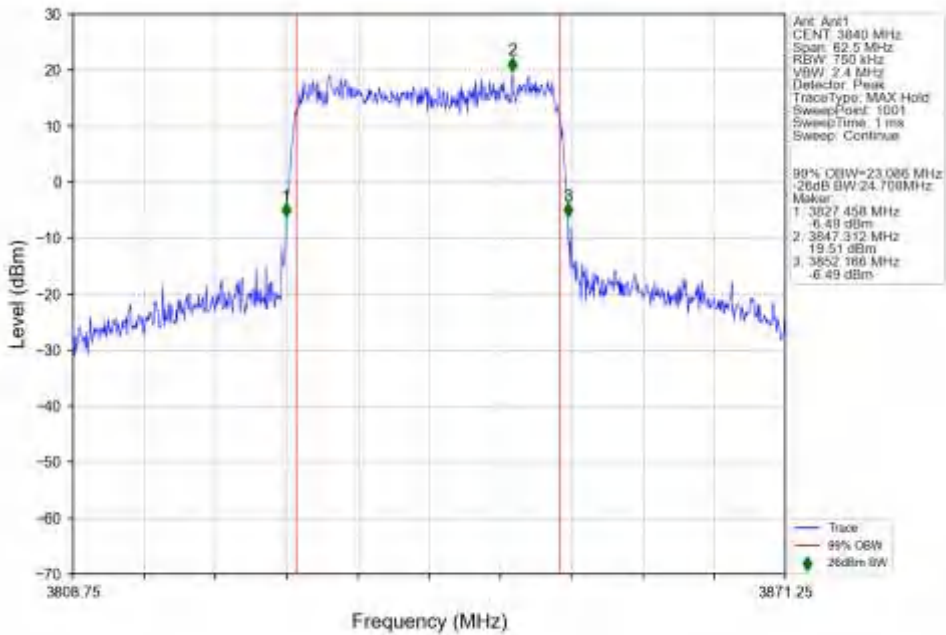
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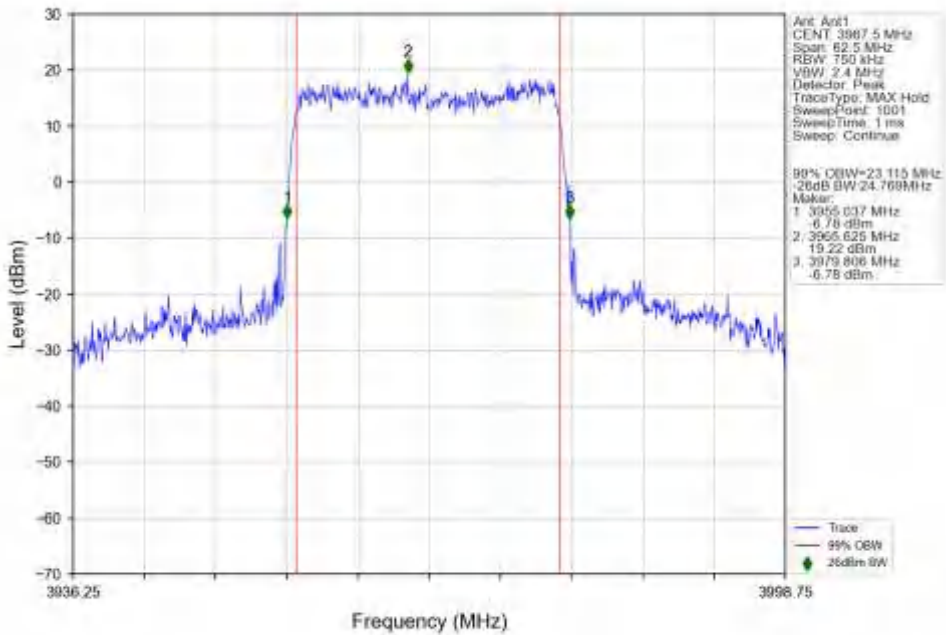
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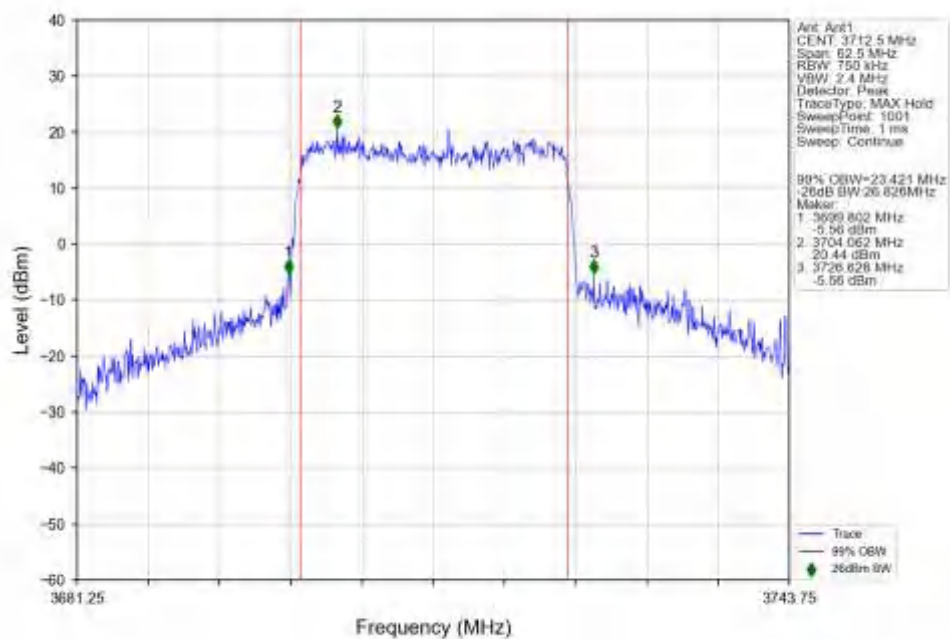
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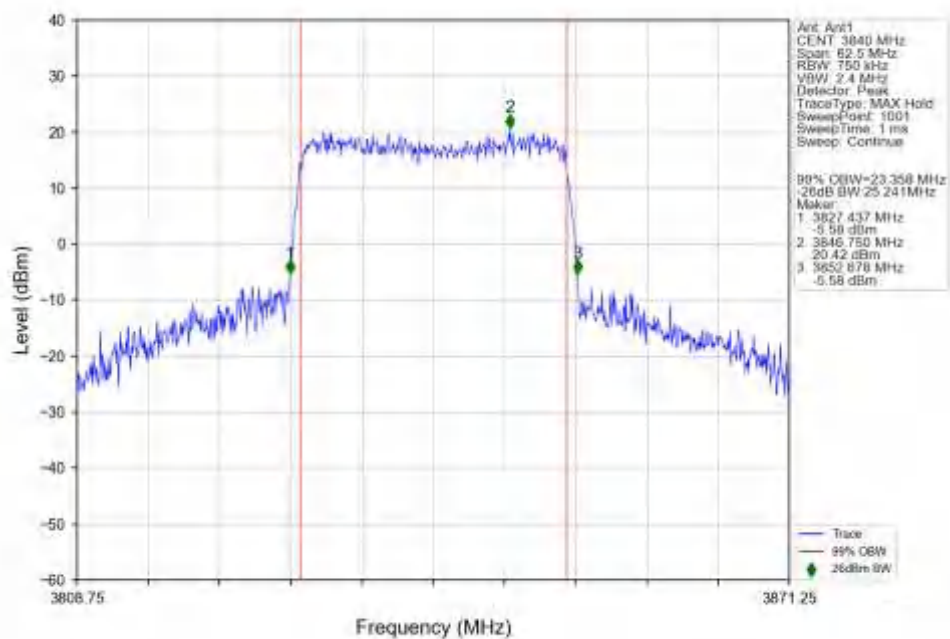
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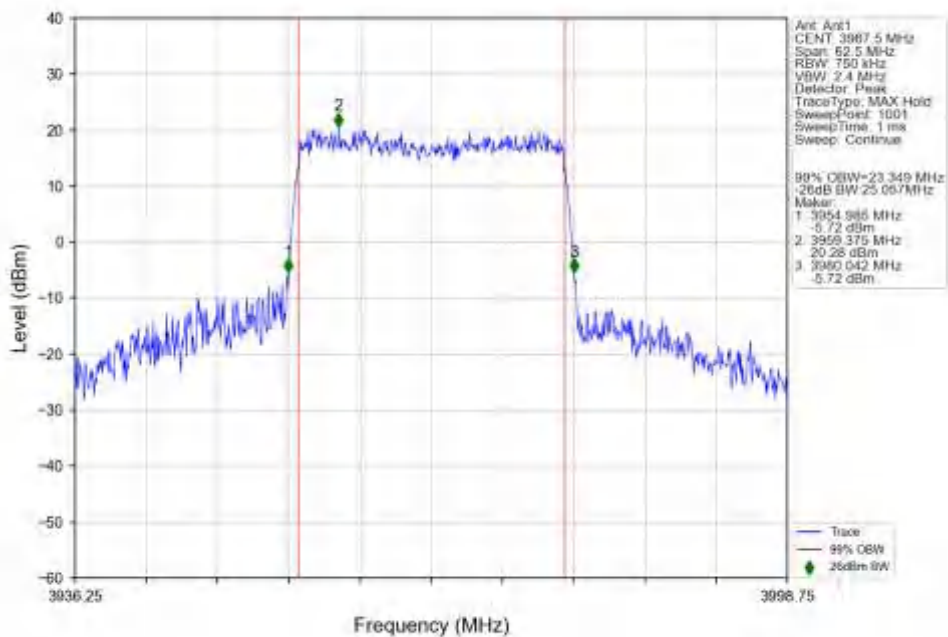
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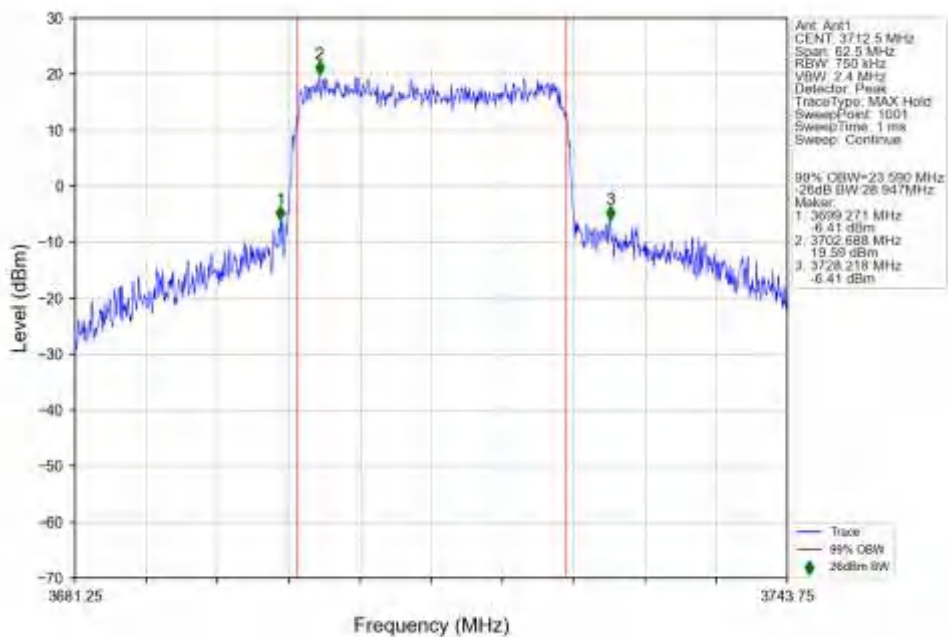
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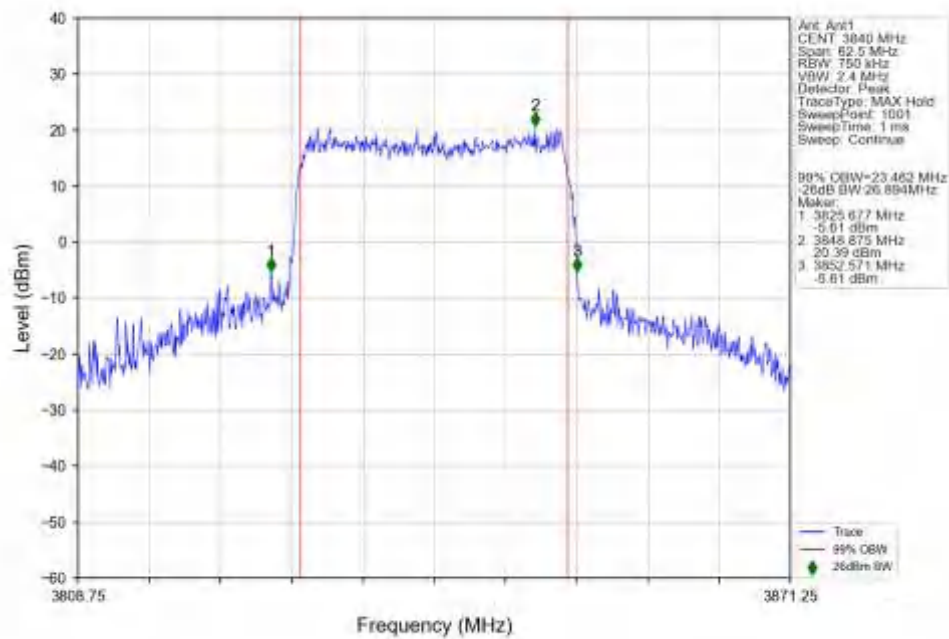
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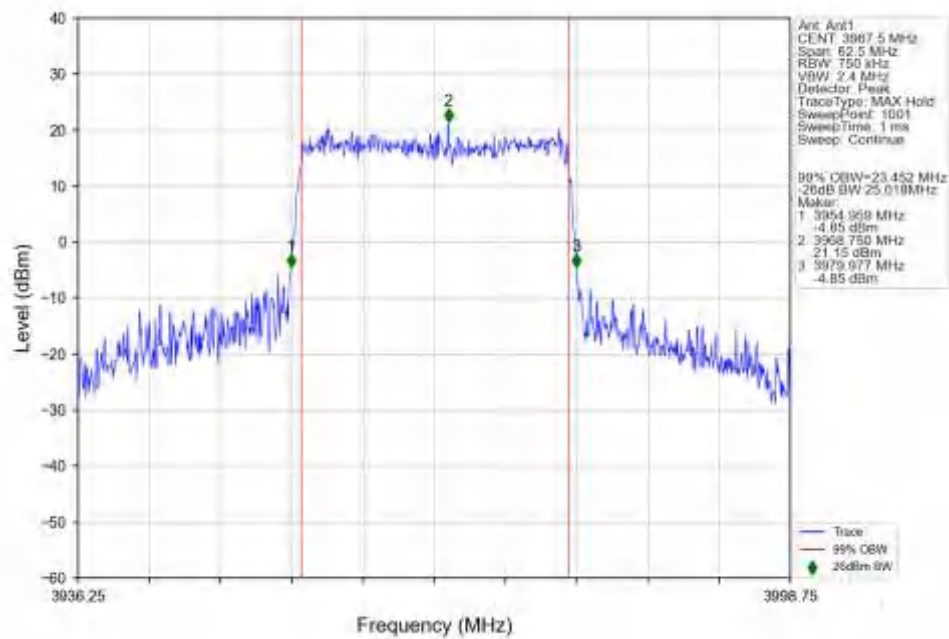
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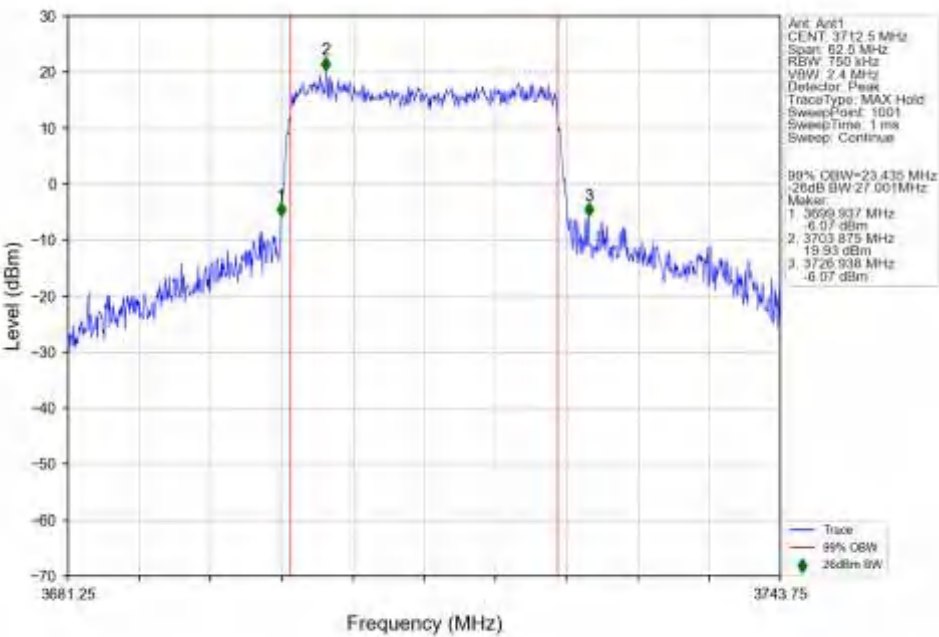
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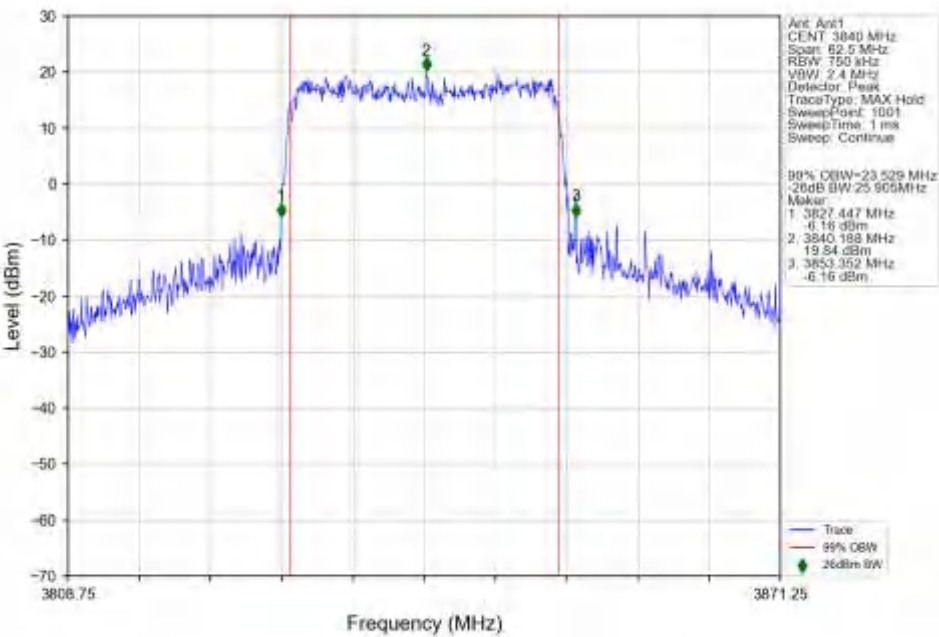
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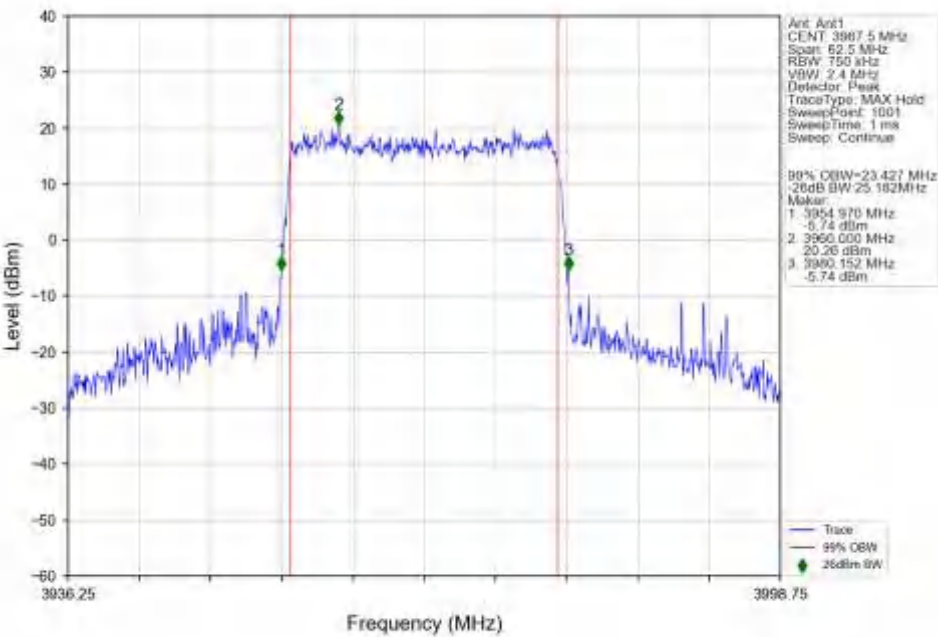
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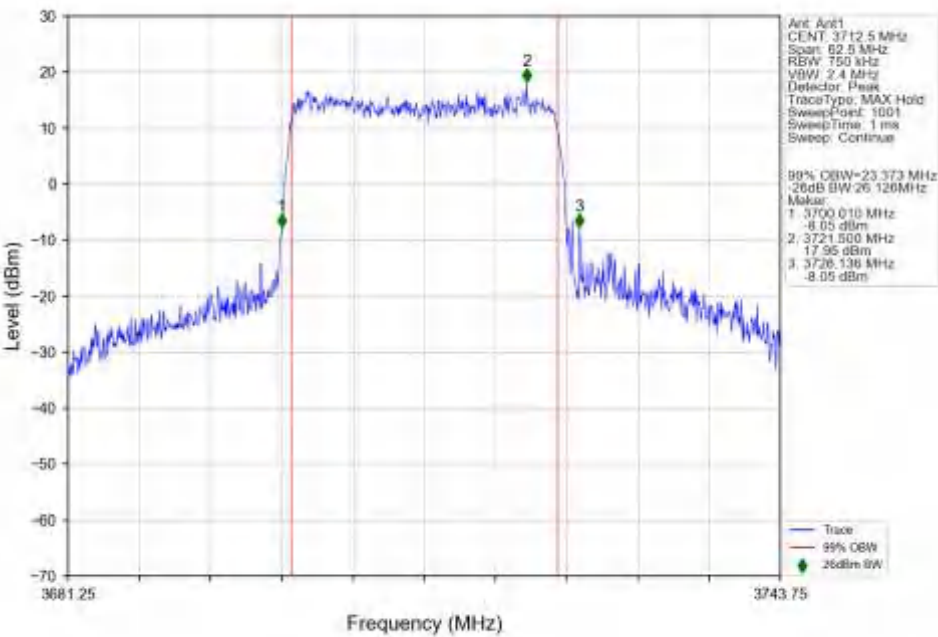
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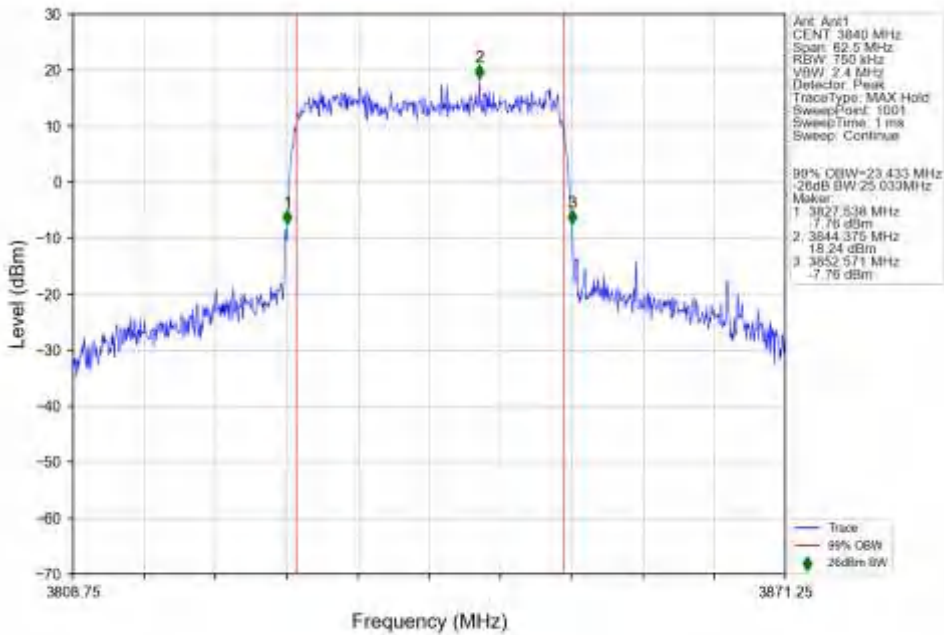
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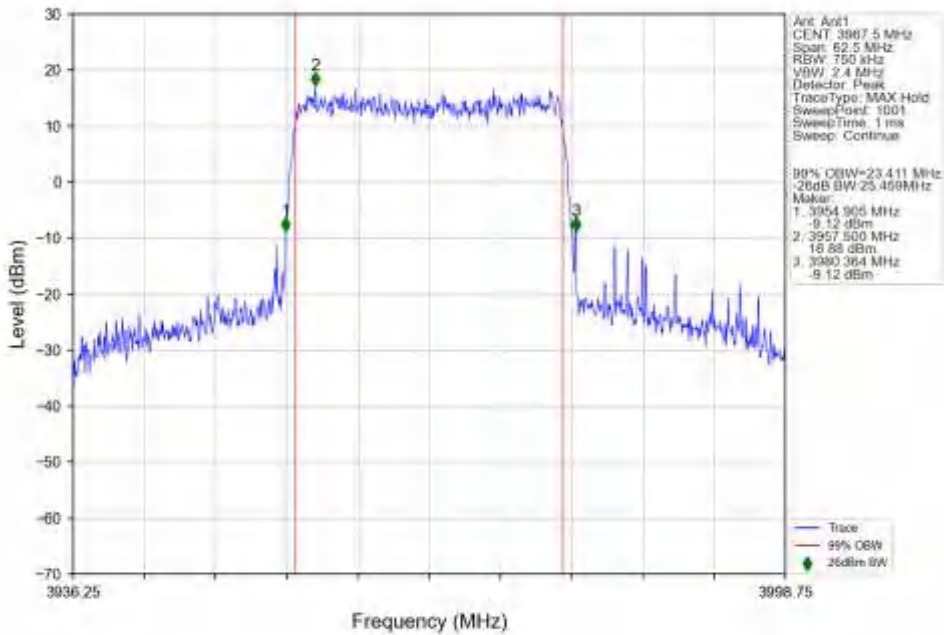
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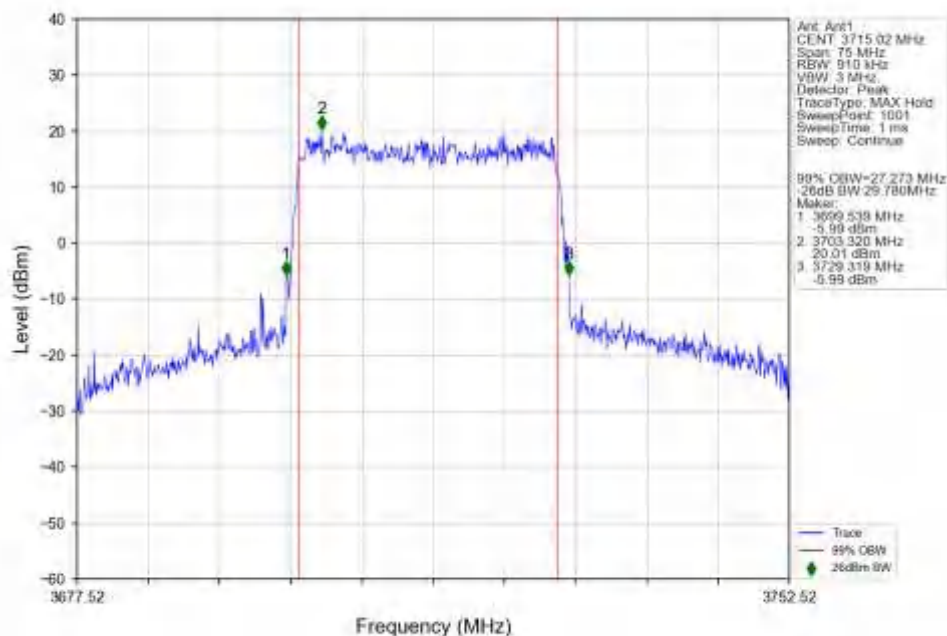


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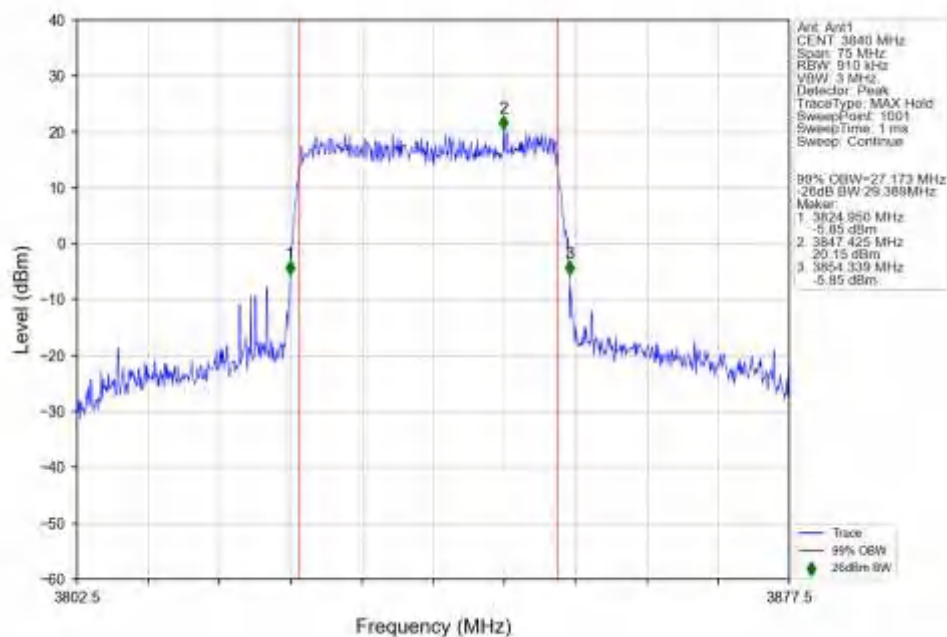


4.2.12 30k_SISO_30MHz_NTNV

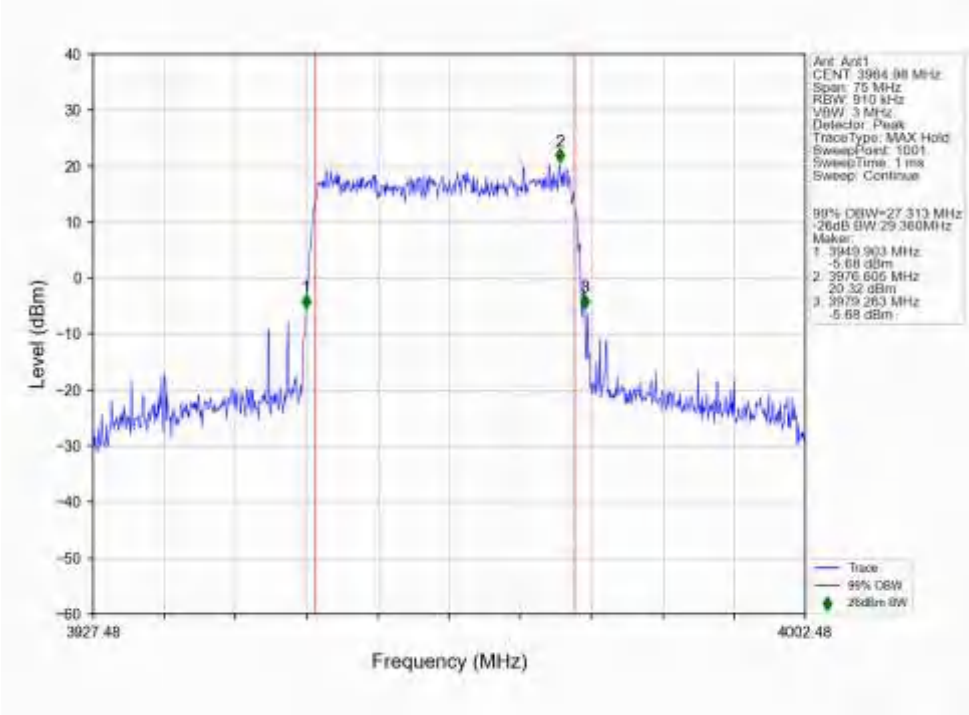
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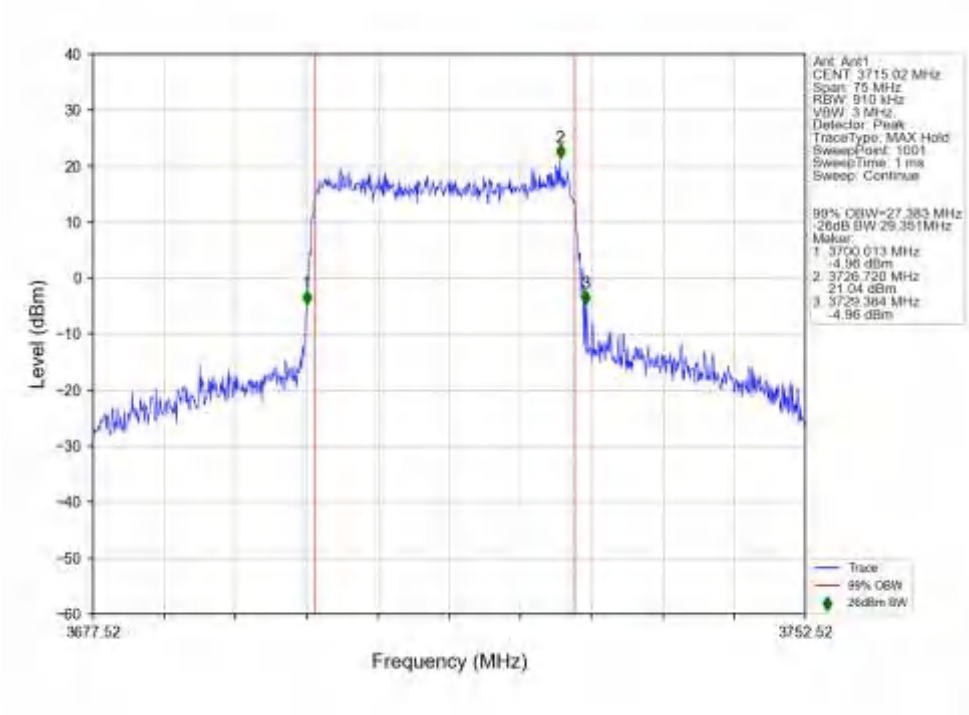
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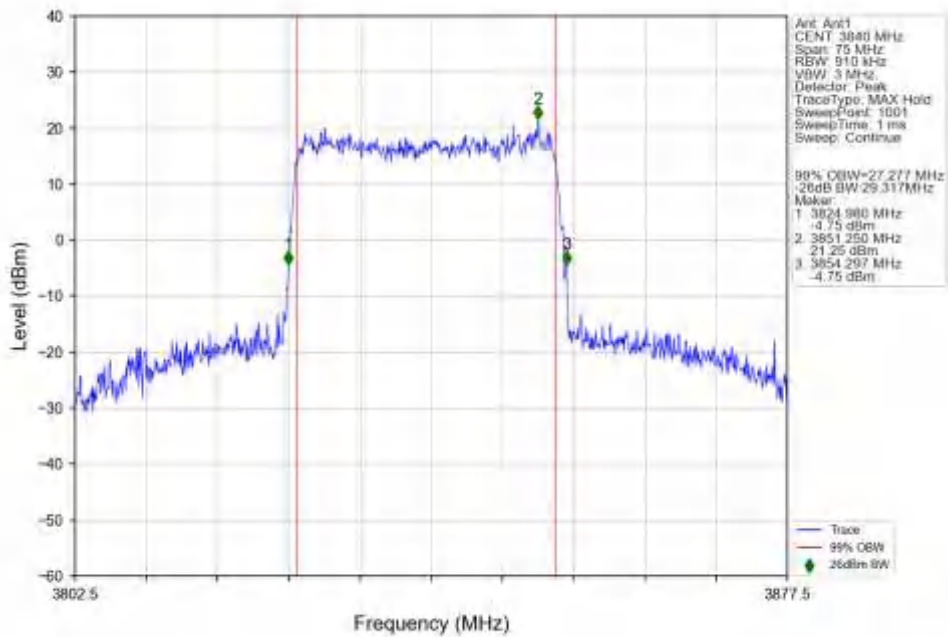
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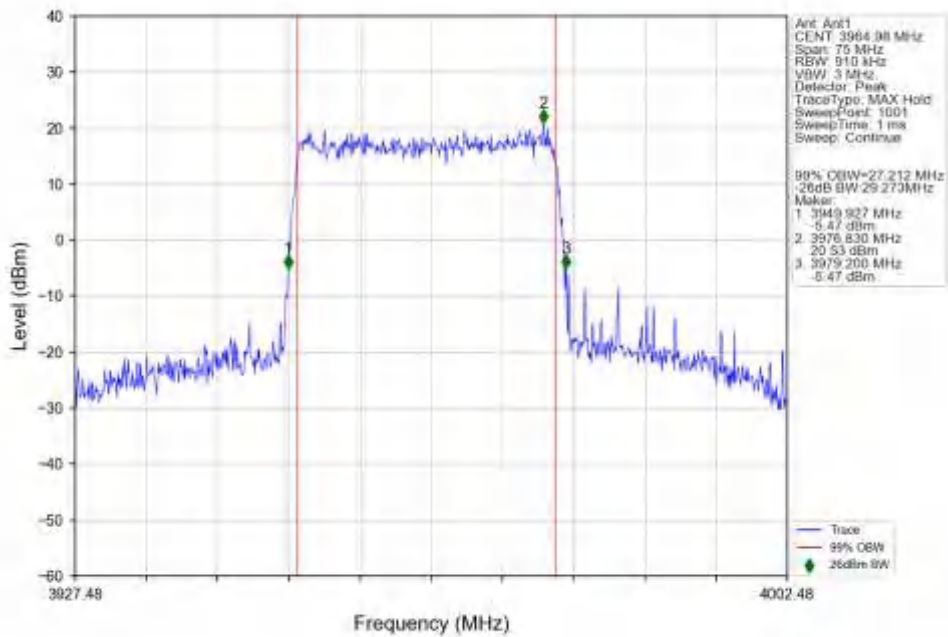
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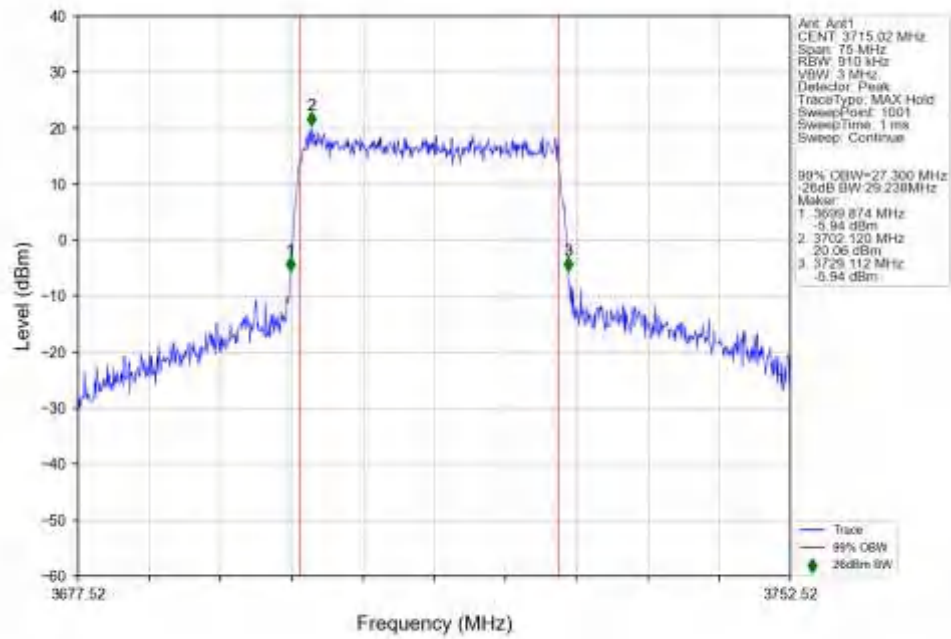
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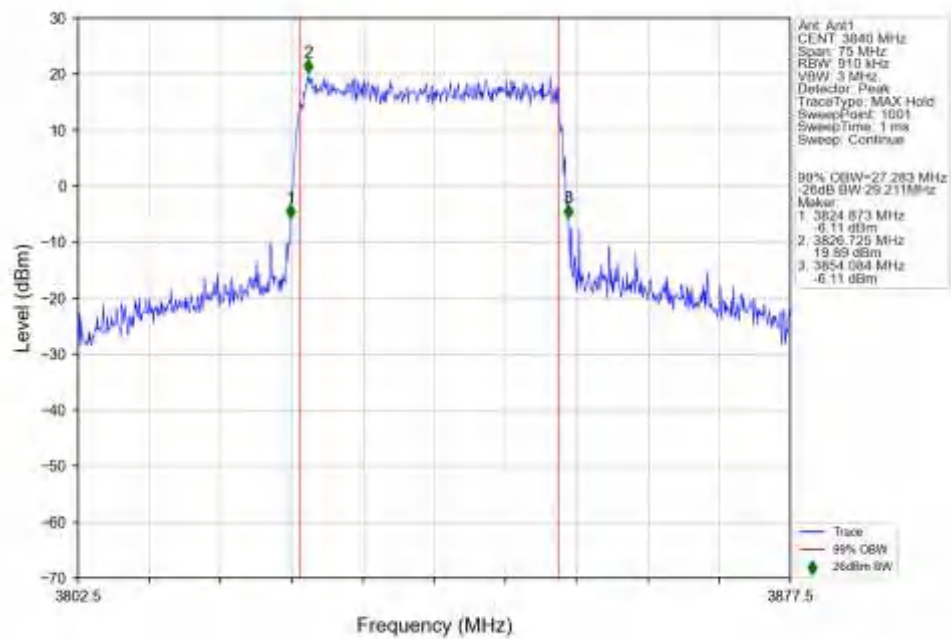
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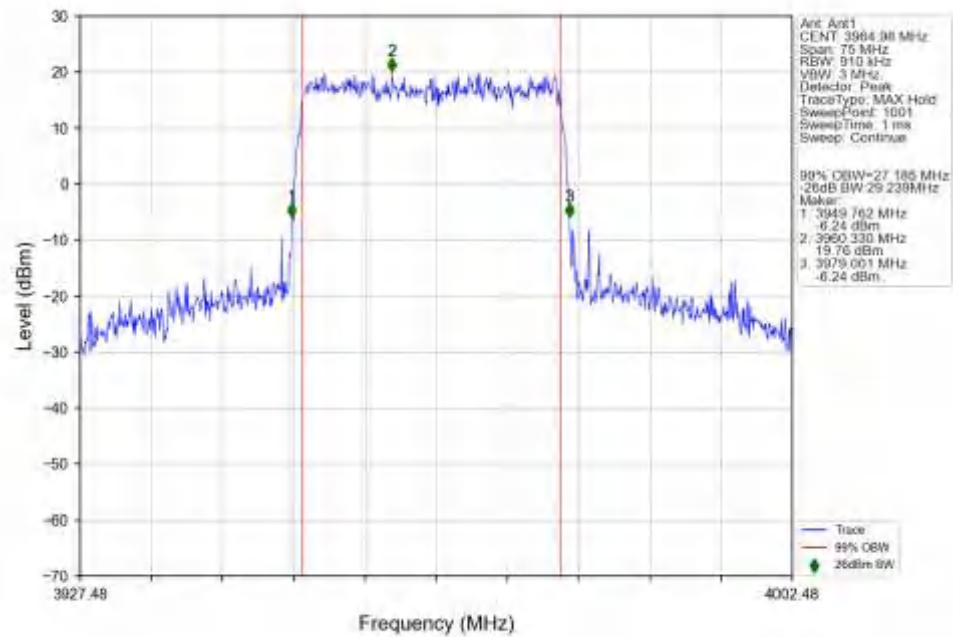
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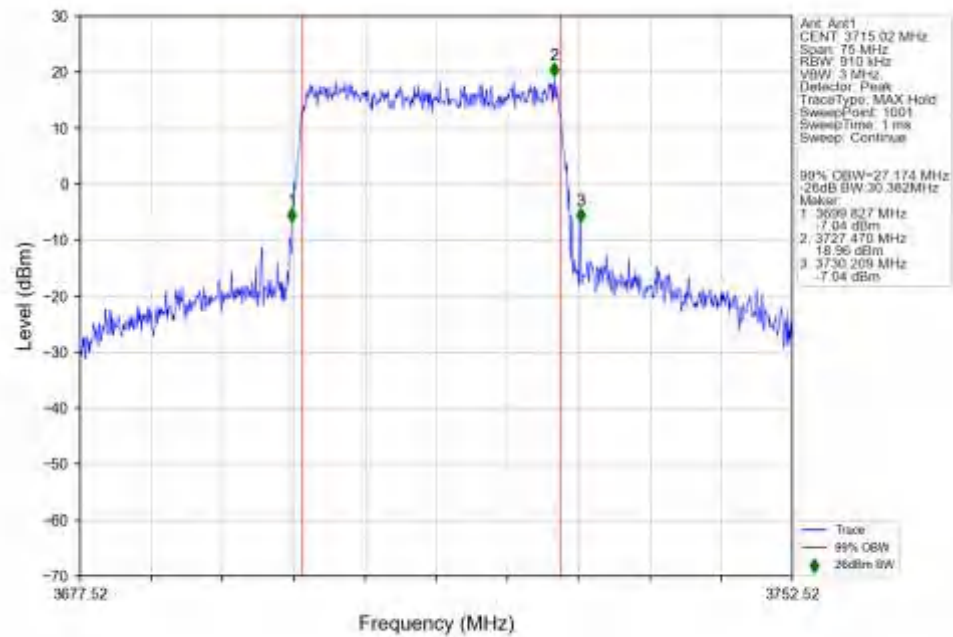
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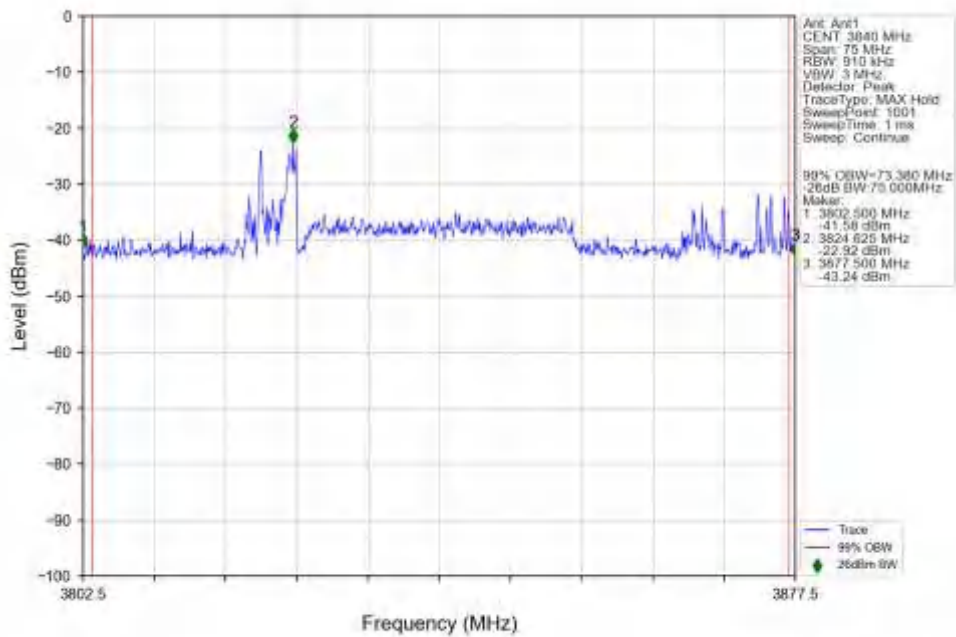
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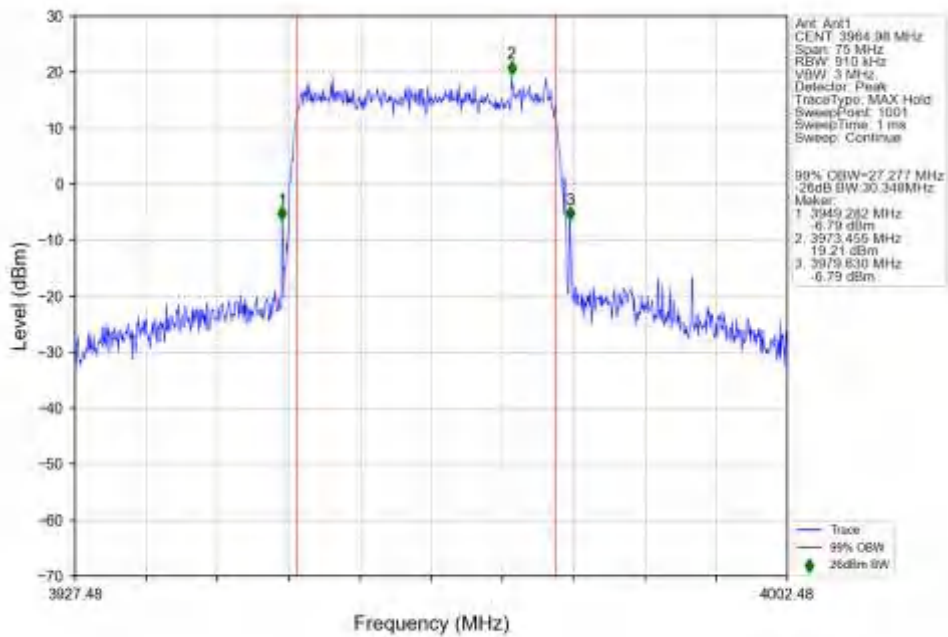
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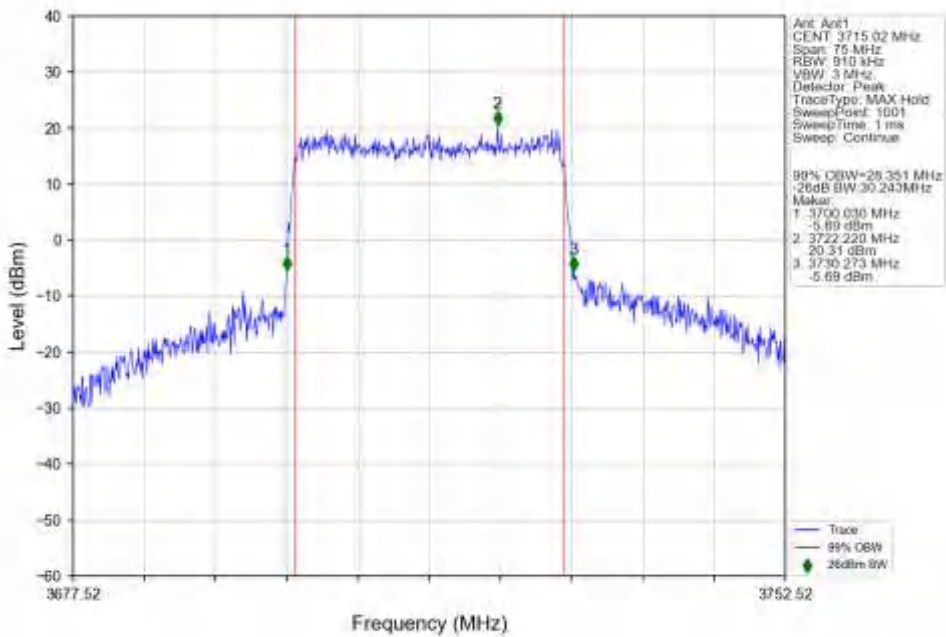
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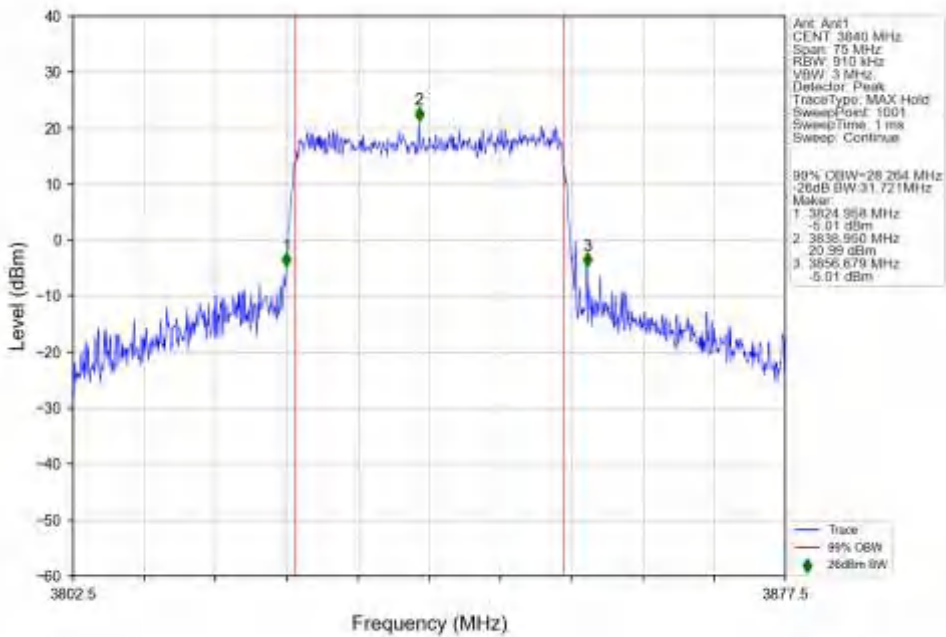
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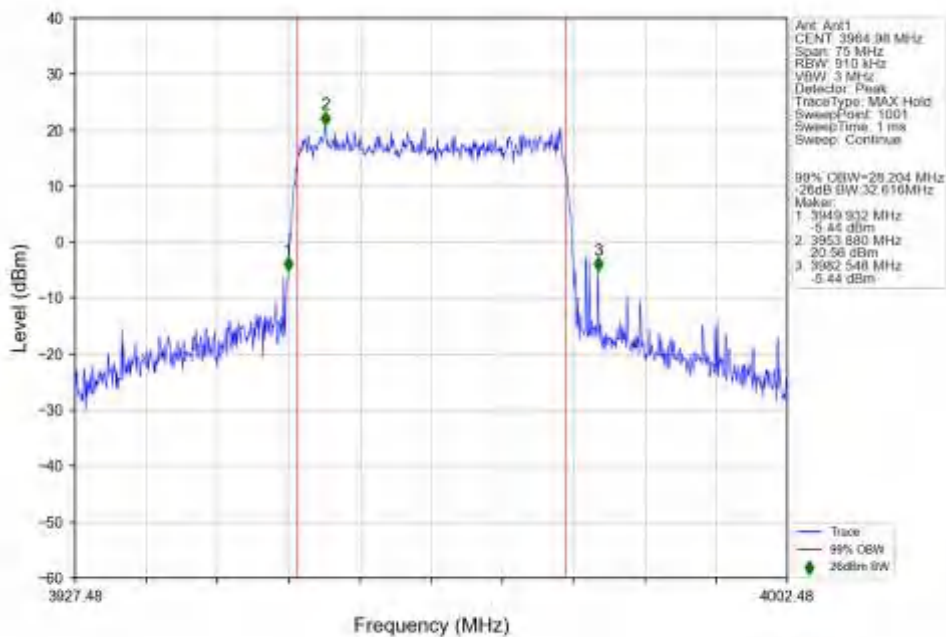
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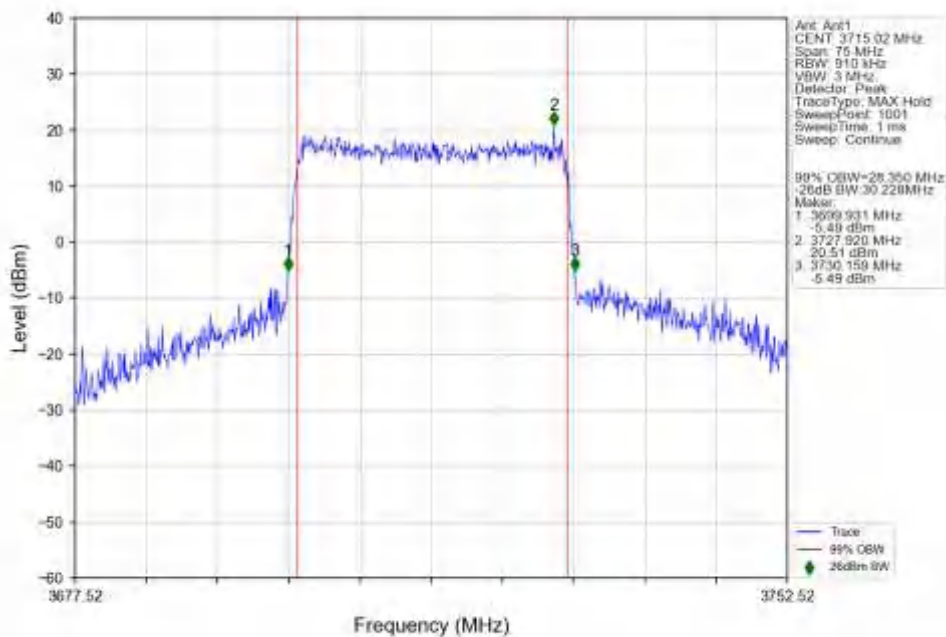
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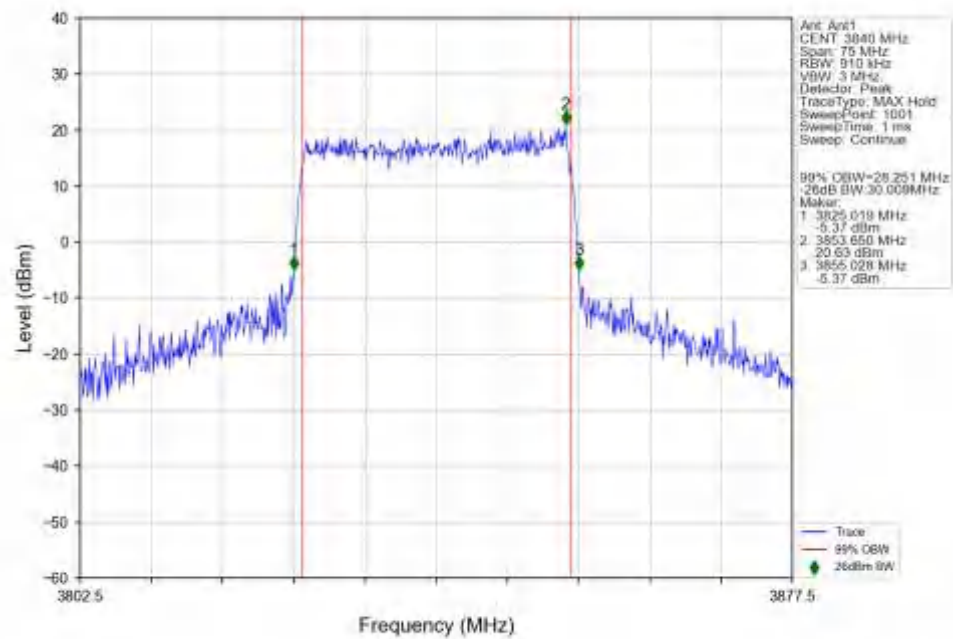
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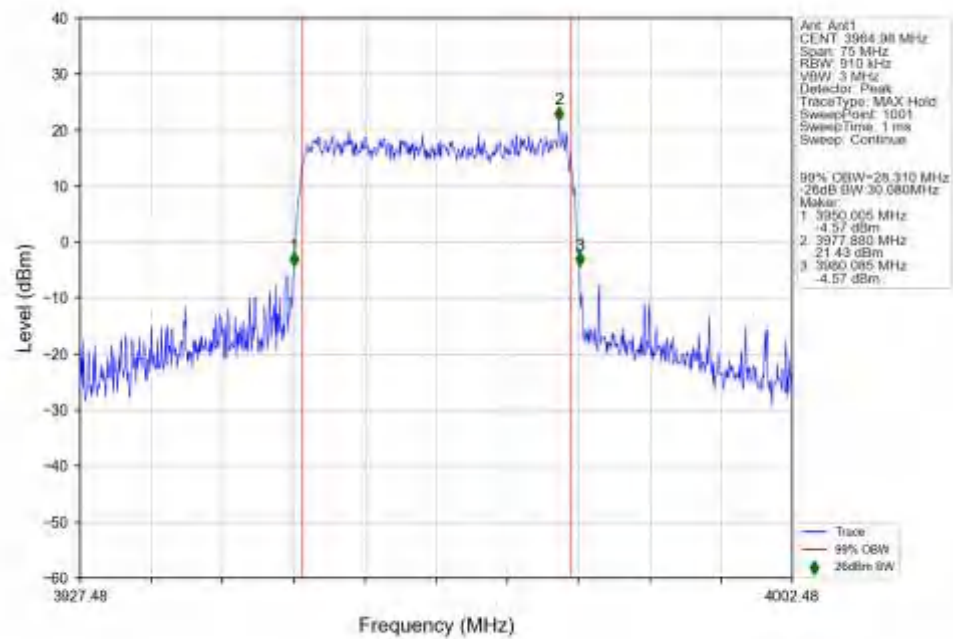
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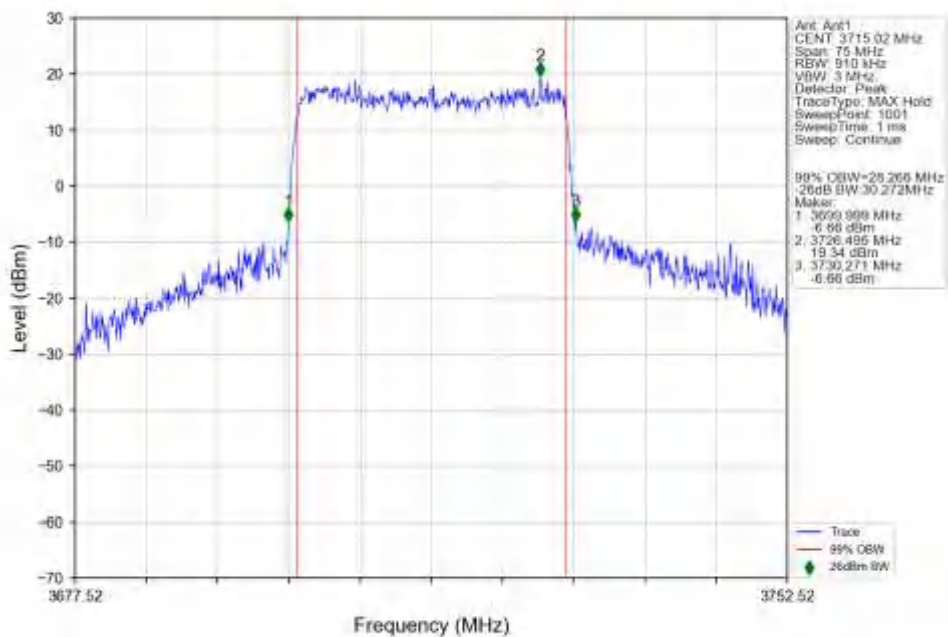
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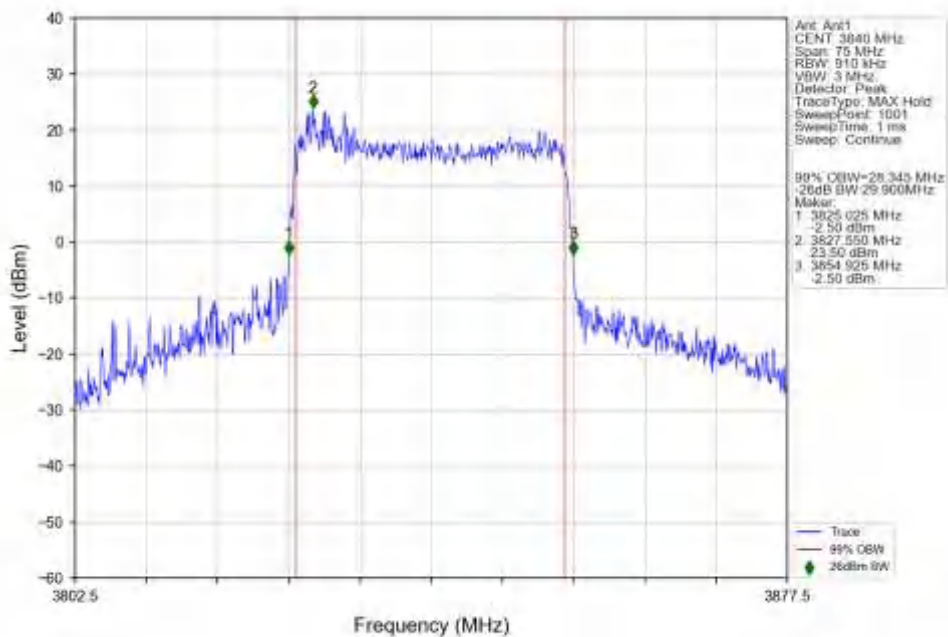
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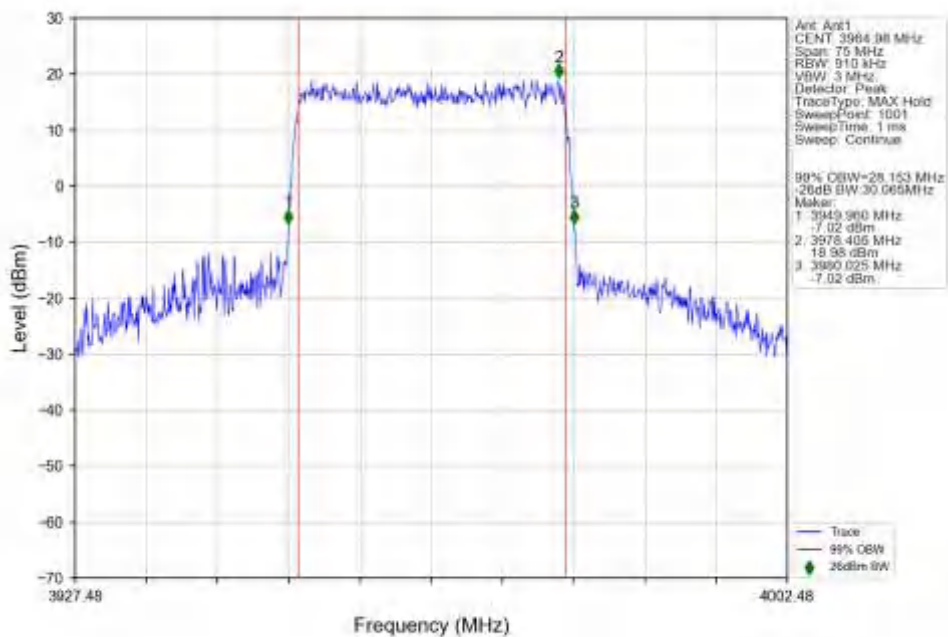
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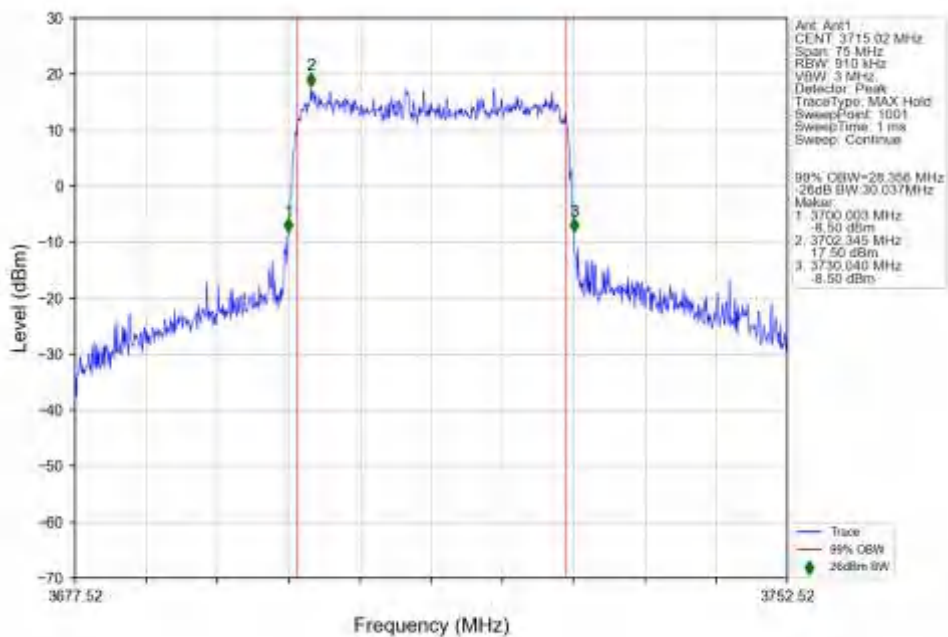
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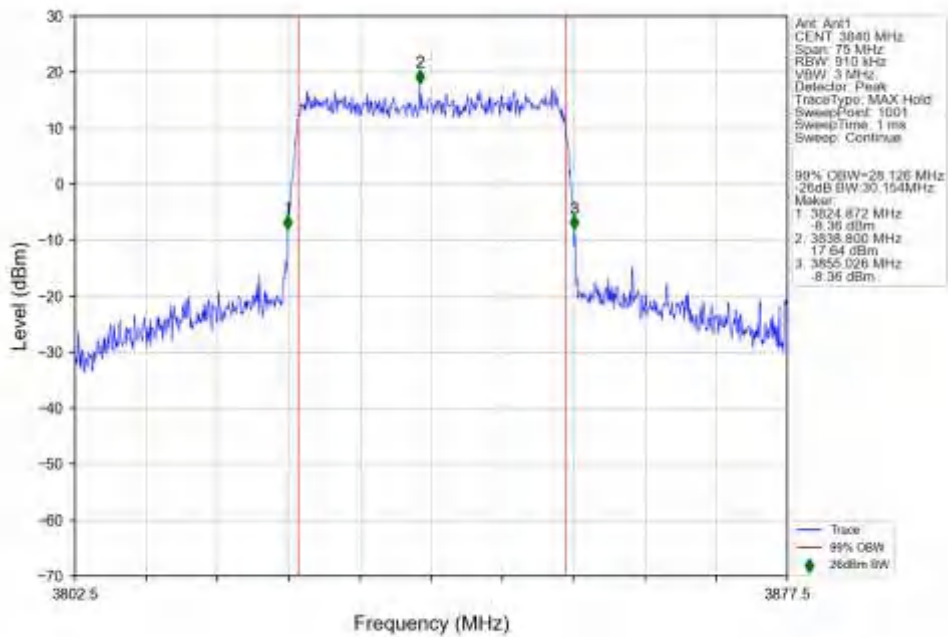
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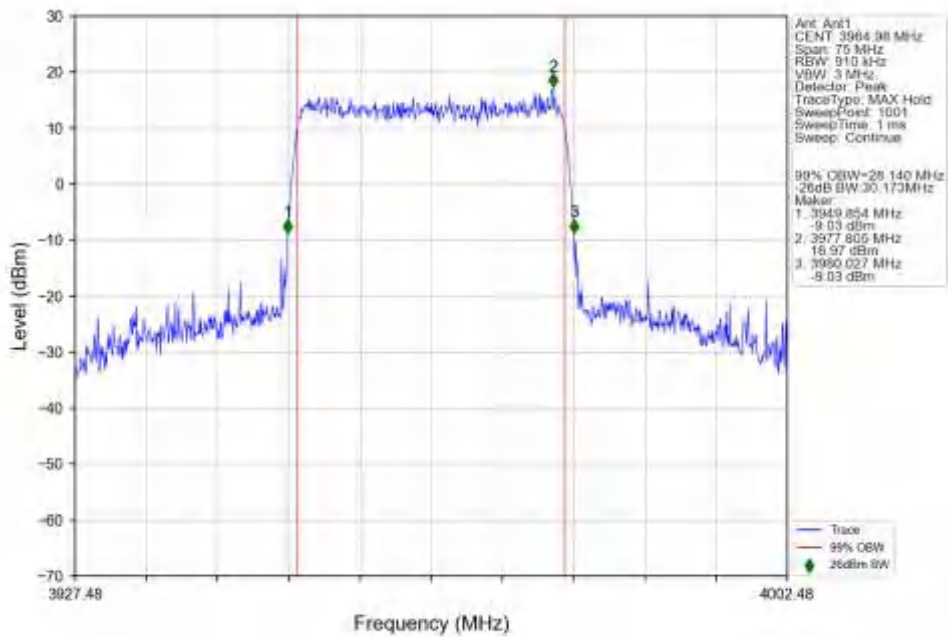
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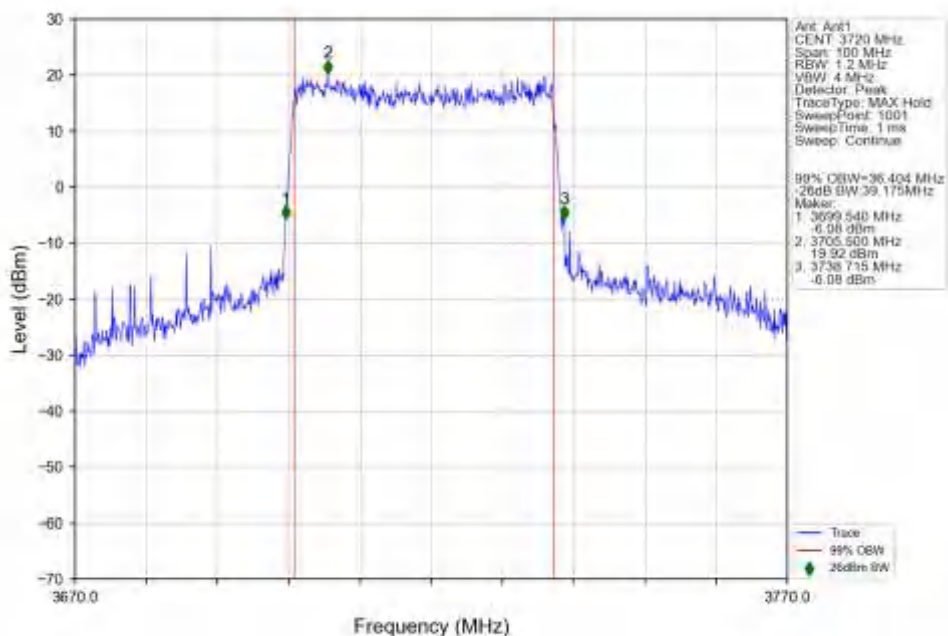


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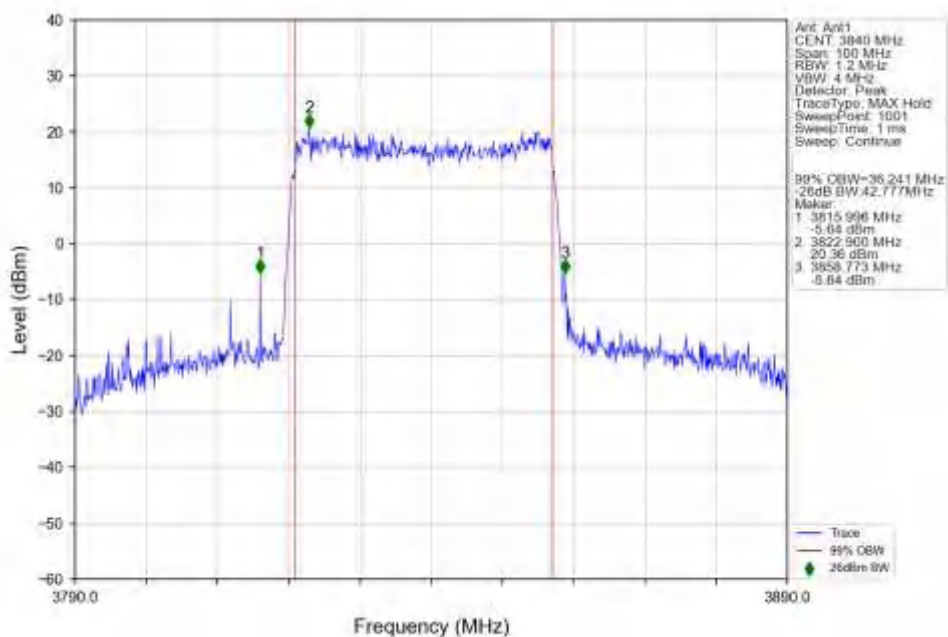


4.2.13 30k_SISO_40MHz_NTNV

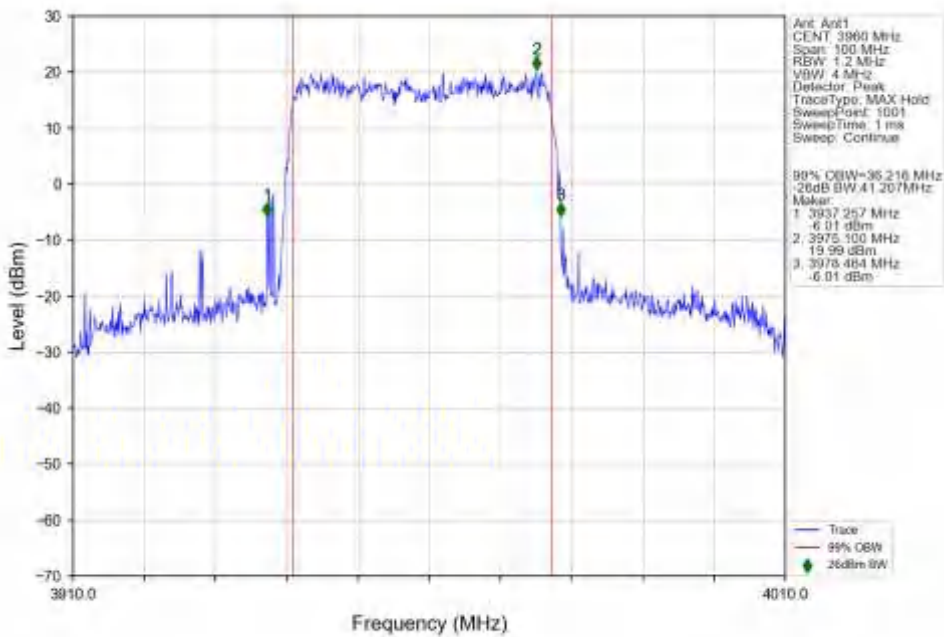
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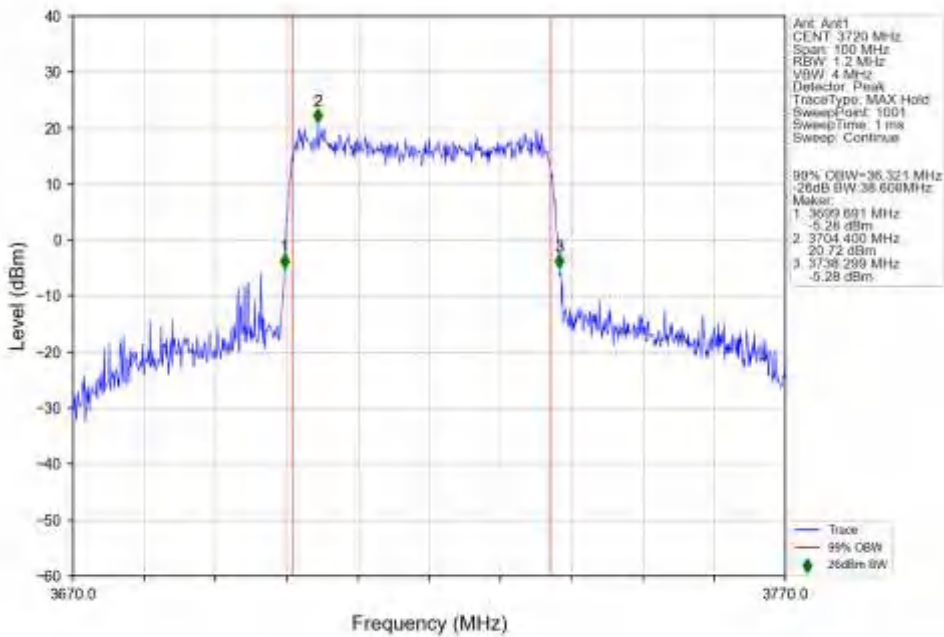
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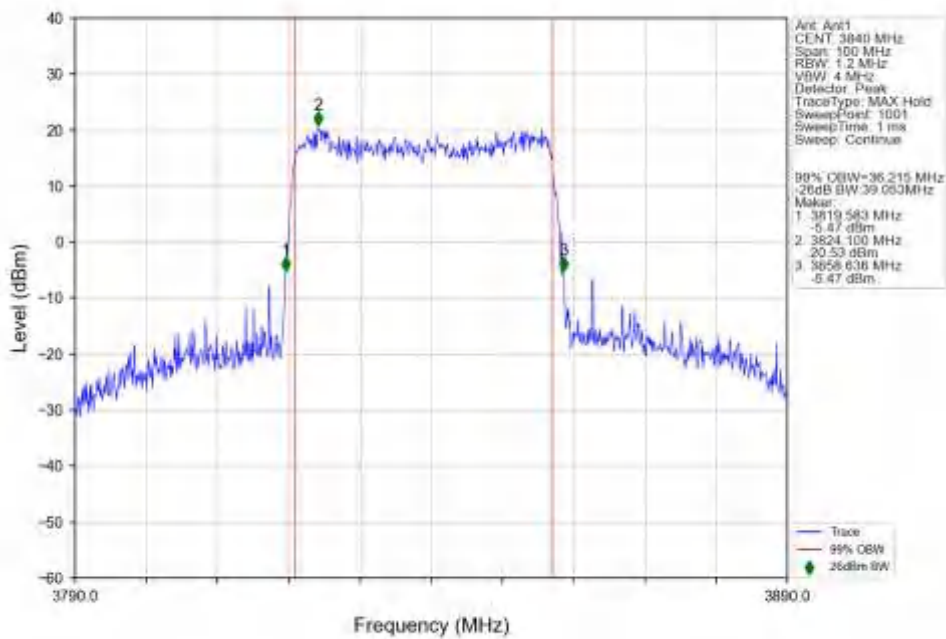
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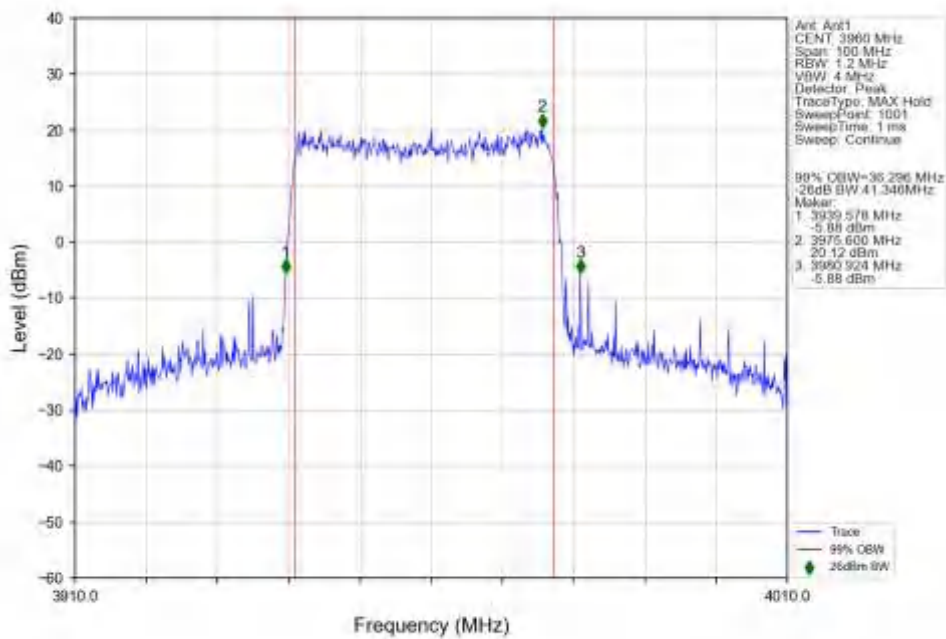
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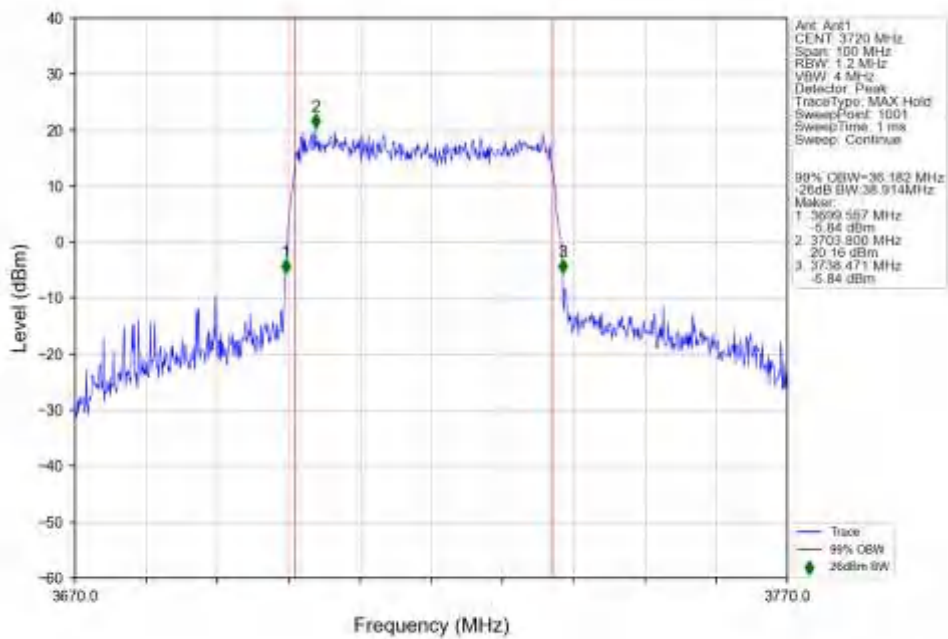
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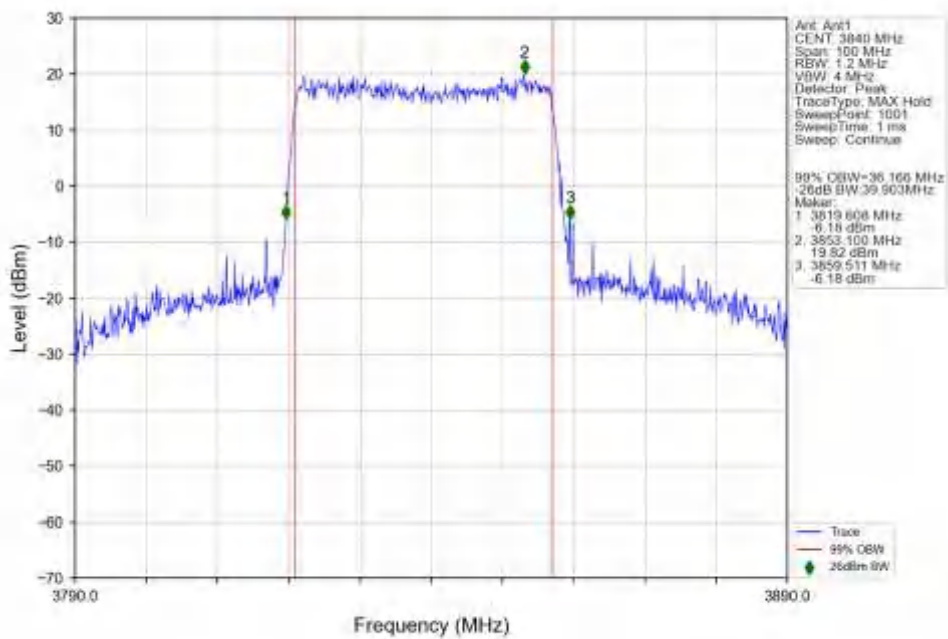
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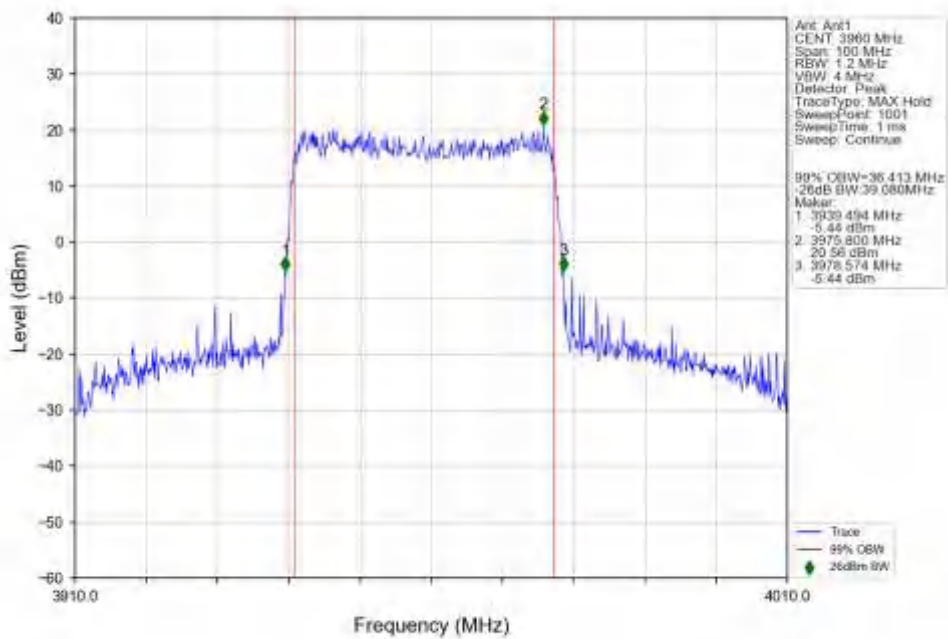
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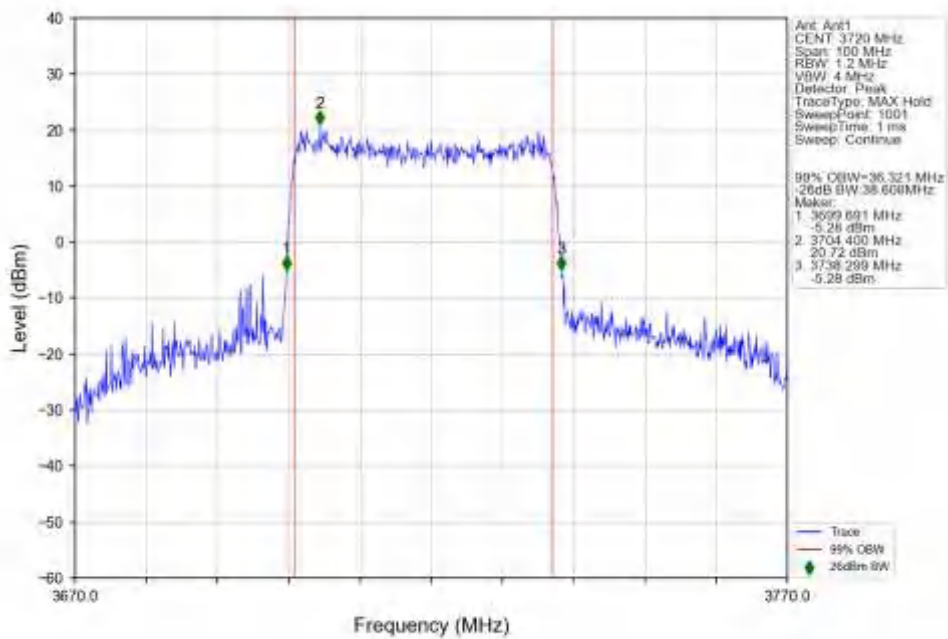
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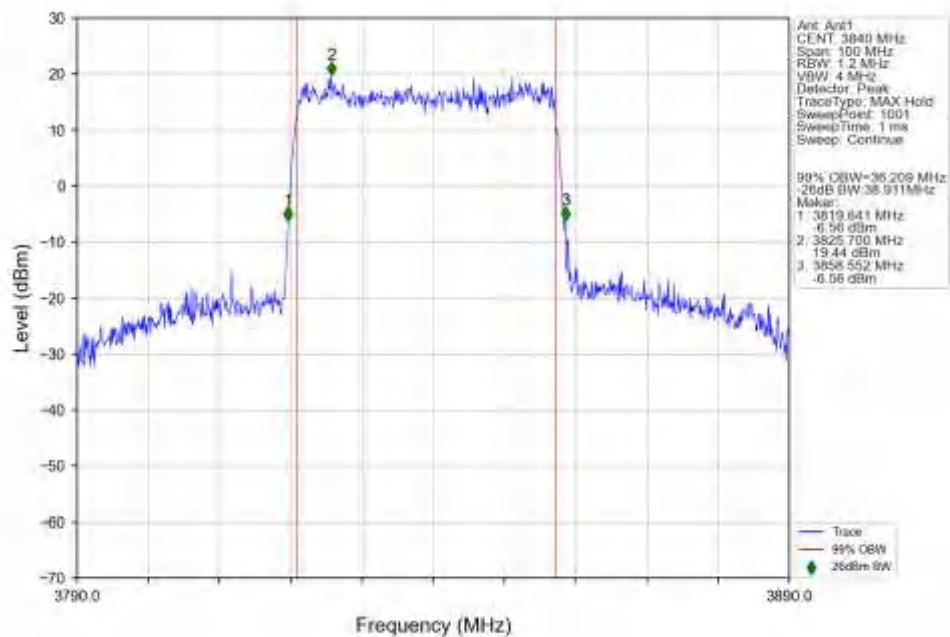
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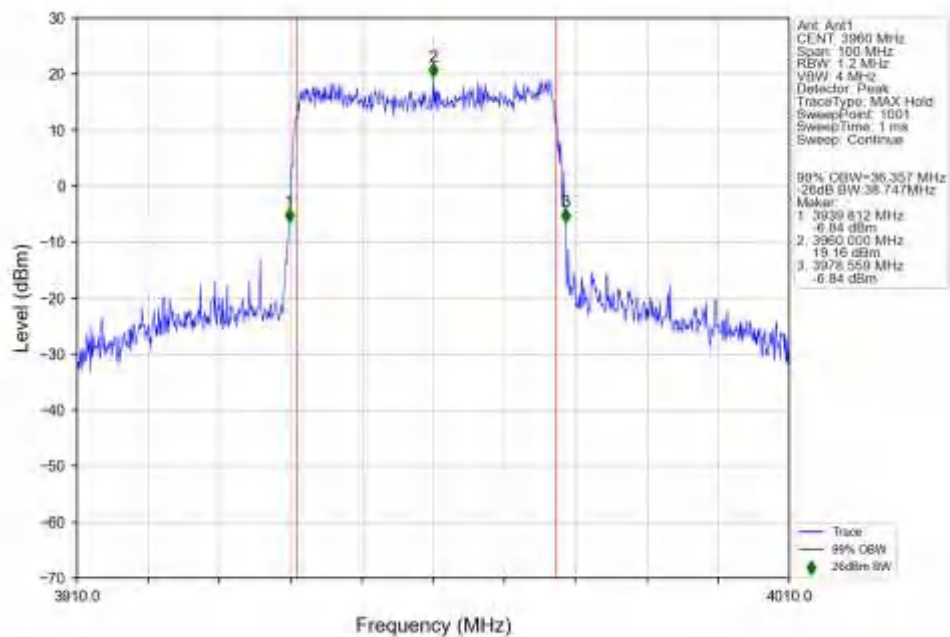
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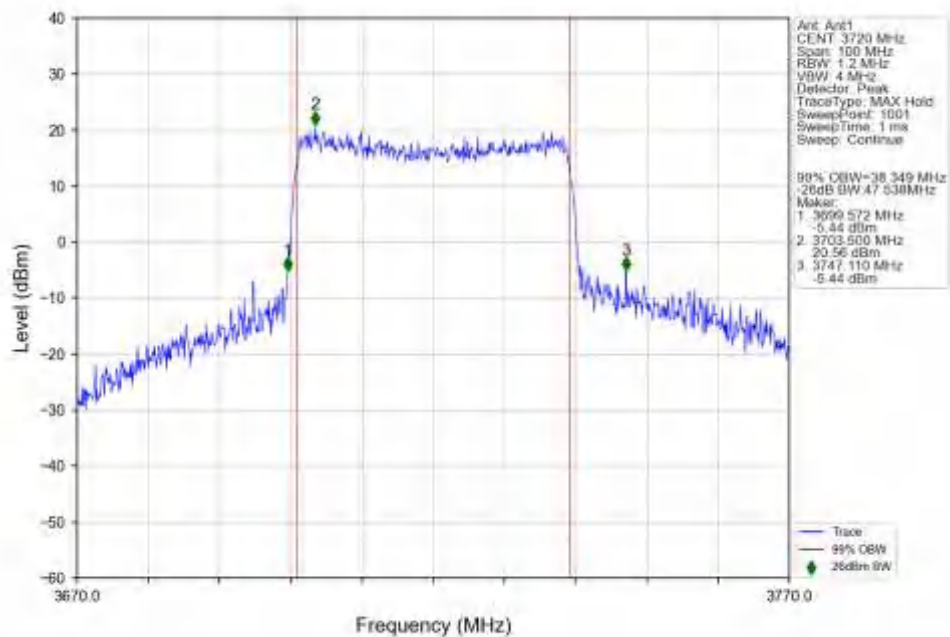
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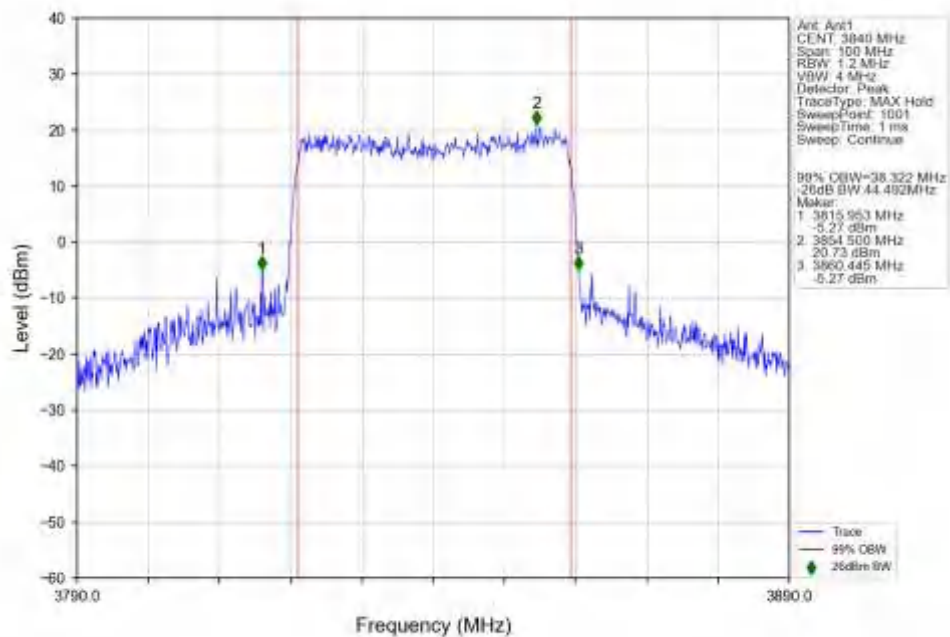
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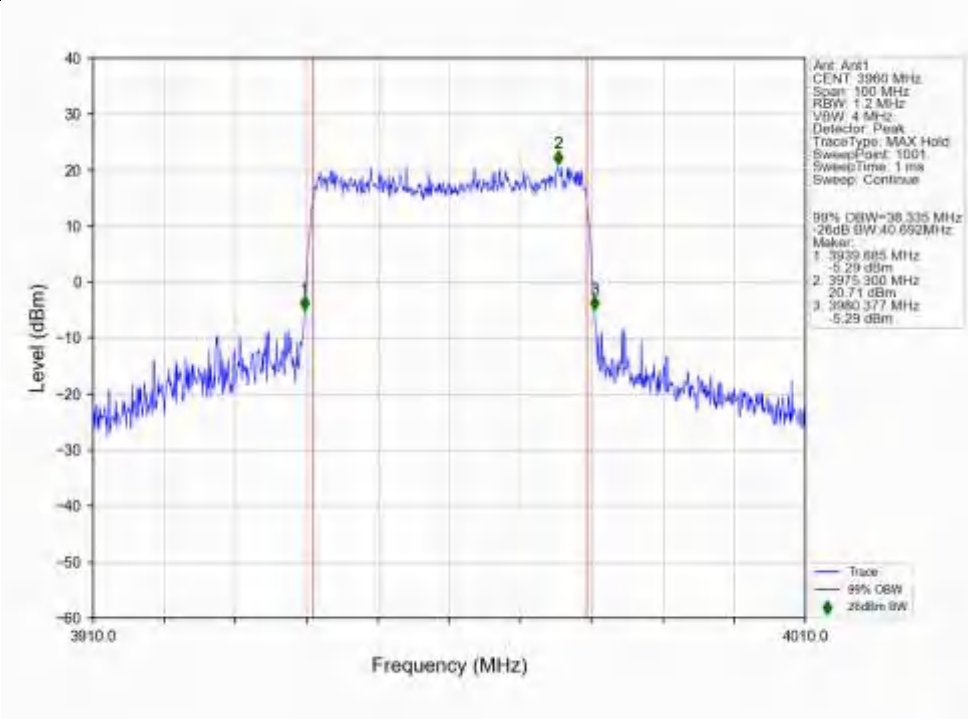
n77a 30kHz SISO NTN 40MHz CP-OFDM QPSK 3720MHz Outer Full Ant1



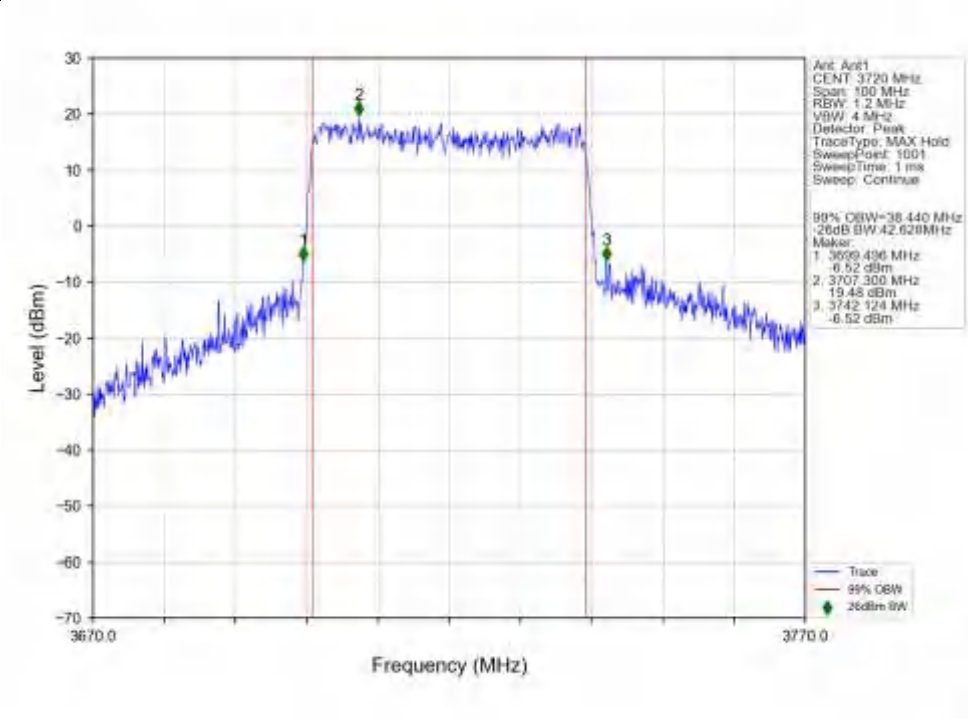
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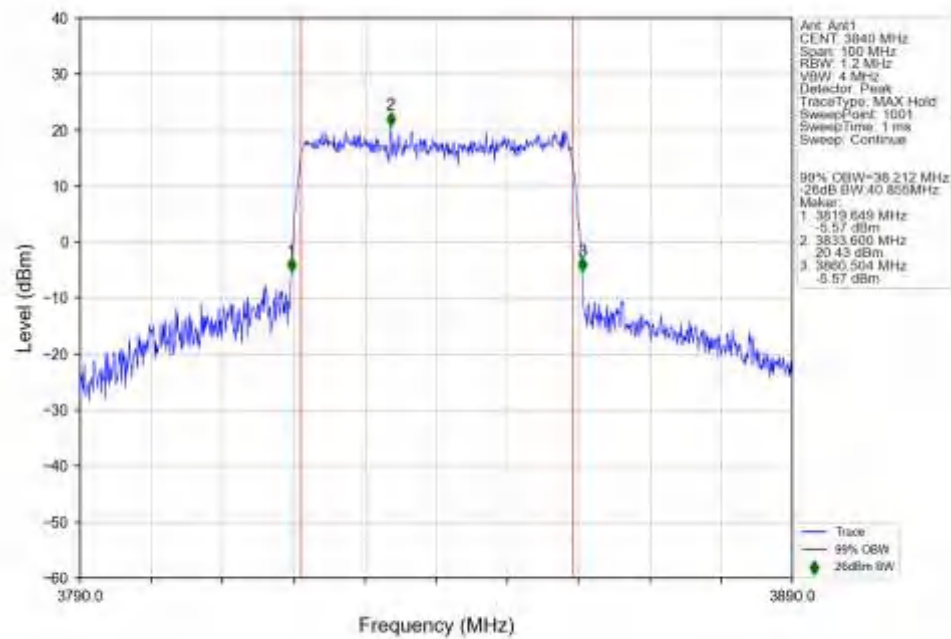
n77a 30kHz SISO NTN 40MHz CP-OFDM QPSK 3960MHz Outer Full Ant1



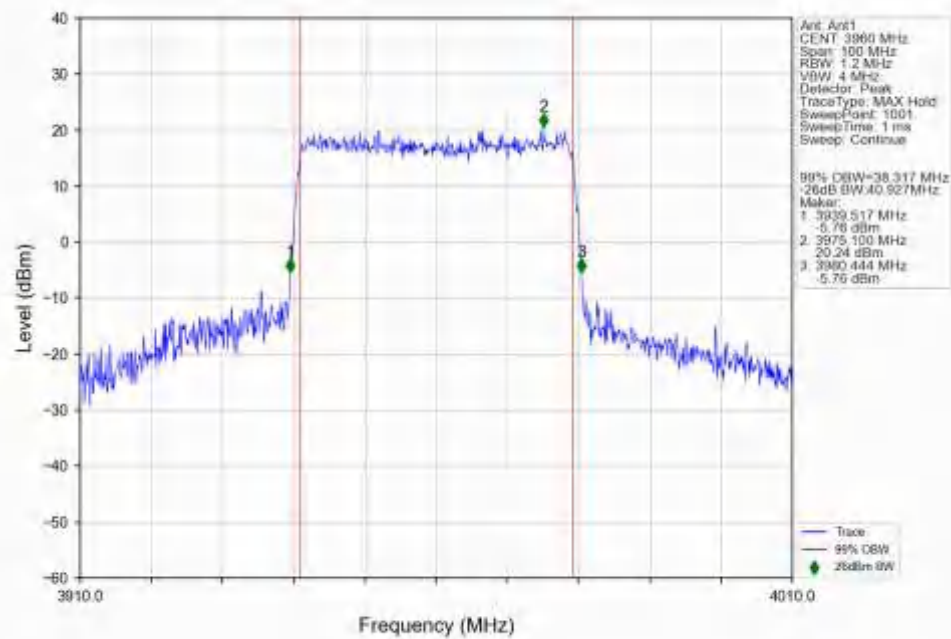
n77a 30kHz SISO NTN 40MHz CP-OFDM 16 QAM 3720MHz Outer Full Ant1



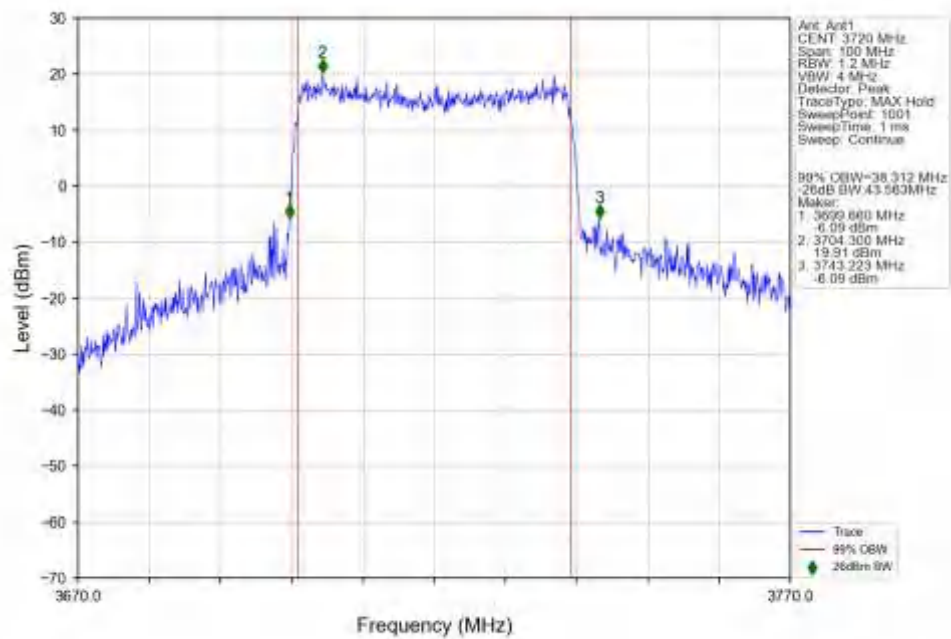
n77a_30kHz_SISO_NTNV_40MHz_CP-OFDM_16_QAM_3840MHz_Outer_Full_Ant1



n77a_30kHz_SISO_NTNV_40MHz_CP-OFDM_16_QAM_3960MHz_Outer_Full_Ant1



n77a_30kHz_SISO_NTNV_40MHz_CP-OFDM_64_QAM_3720MHz_Outer_Full_Ant1



n77a_30kHz_SISO_NTNV_40MHz_CP-OFDM_64_QAM_3840MHz_Outer_Full_Ant1

