

		Edge 1RB Right	17.01	/	/	17.97	/	/	<=30	Pass
		Outer_Full	17.09	/	/	18.05	/	/	<=30	Pass
		Inner_Full	17.29	/	/	18.25	/	/	<=30	Pass
		Inner_1RB Left	16.91	/	/	17.87	/	/	<=30	Pass
		Inner_1RB Right	17.04	/	/	18.00	/	/	<=30	Pass
	3840	Edge_1RB Left	17.30	/	/	18.26	/	/	<=30	Pass
		Edge_1RB Right	16.71	/	/	17.67	/	/	<=30	Pass
		Outer_Full	17.00	/	/	17.96	/	/	<=30	Pass
		Inner_Full	17.04	/	/	18.00	/	/	<=30	Pass
		Inner_1RB Left	17.28	/	/	18.24	/	/	<=30	Pass
		Inner_1RB Right	16.74	/	/	17.70	/	/	<=30	Pass
	3954.99	Edge_1RB Left	17.13	/	/	18.09	/	/	<=30	Pass
		Edge_1RB Right	17.59	/	/	18.55	/	/	<=30	Pass
		Outer_Full	17.40	/	/	18.36	/	/	<=30	Pass
		Inner_Full	17.42	/	/	18.38	/	/	<=30	Pass
		Inner_1RB Left	17.16	/	/	18.12	/	/	<=30	Pass
		Inner_1RB Right	17.56	/	/	18.52	/	/	<=30	Pass
Note1: Antenna Gain: Ant11: 0.96dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.8 30k_SISO_60MHz_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 60MHz NTNV										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant11	Ant2	Sum	Ant11	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3730.02	Edge 1RB Left	22.78	/	/	23.74	/	/	<=30	Pass
		Edge 1RB Right	22.78	/	/	23.74	/	/	<=30	Pass
		Outer_Full	23.00	/	/	23.96	/	/	<=30	Pass
		Inner_Full	23.67	/	/	24.63	/	/	<=30	Pass
		Inner 1RB Left	23.23	/	/	24.19	/	/	<=30	Pass
		Inner 1RB Right	23.28	/	/	24.24	/	/	<=30	Pass
	3840	Edge 1RB Left	23.22	/	/	24.18	/	/	<=30	Pass
		Edge 1RB Right	22.58	/	/	23.54	/	/	<=30	Pass
		Outer_Full	22.97	/	/	23.93	/	/	<=30	Pass
		Inner_Full	23.40	/	/	24.36	/	/	<=30	Pass
		Inner 1RB Left	23.68	/	/	24.64	/	/	<=30	Pass
		Inner 1RB Right	22.98	/	/	23.94	/	/	<=30	Pass
	3949.98	Edge 1RB Left	22.81	/	/	23.77	/	/	<=30	Pass
		Edge 1RB Right	23.45	/	/	24.41	/	/	<=30	Pass
		Outer_Full	23.21	/	/	24.17	/	/	<=30	Pass
		Inner_Full	23.74	/	/	24.70	/	/	<=30	Pass
		Inner 1RB Left	23.34	/	/	24.30	/	/	<=30	Pass
		Inner 1RB Right	23.87	/	/	24.83	/	/	<=30	Pass
DFT-s-OFDM QPSK	3730.02	Edge 1RB Left	22.24	/	/	23.20	/	/	<=30	Pass
		Edge 1RB Right	22.21	/	/	23.17	/	/	<=30	Pass
		Outer_Full	22.50	/	/	23.46	/	/	<=30	Pass
		Inner_Full	23.66	/	/	24.62	/	/	<=30	Pass
		Inner 1RB Left	23.25	/	/	24.21	/	/	<=30	Pass
		Inner 1RB Right	23.29	/	/	24.25	/	/	<=30	Pass
	3840	Edge 1RB Left	22.72	/	/	23.68	/	/	<=30	Pass
		Edge 1RB Right	22.13	/	/	23.09	/	/	<=30	Pass
		Outer_Full	22.49	/	/	23.45	/	/	<=30	Pass
		Inner_Full	23.41	/	/	24.37	/	/	<=30	Pass
		Inner 1RB Left	23.72	/	/	24.68	/	/	<=30	Pass
		Inner 1RB Right	23.00	/	/	23.96	/	/	<=30	Pass
	3949.98	Edge 1RB Left	22.26	/	/	23.22	/	/	<=30	Pass
		Edge 1RB Right	22.90	/	/	23.86	/	/	<=30	Pass
		Outer_Full	22.70	/	/	23.66	/	/	<=30	Pass

		Inner_Full	23.72	/	/	24.68	/	/	<=30	Pass
		Inner_1RB_Left	23.25	/	/	24.21	/	/	<=30	Pass
		Inner_1RB_Right	23.85	/	/	24.81	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3730.02	Edge_1RB_Left	21.03	/	/	21.99	/	/	<=30	Pass
		Edge_1RB_Right	21.23	/	/	22.19	/	/	<=30	Pass
		Outer_Full	21.50	/	/	22.46	/	/	<=30	Pass
		Inner_Full	22.65	/	/	23.61	/	/	<=30	Pass
		Inner_1RB_Left	22.13	/	/	23.09	/	/	<=30	Pass
		Inner_1RB_Right	22.09	/	/	23.05	/	/	<=30	Pass
		Edge_1RB_Left	21.45	/	/	22.41	/	/	<=30	Pass
	3840	Edge_1RB_Right	21.05	/	/	22.01	/	/	<=30	Pass
		Outer_Full	21.48	/	/	22.44	/	/	<=30	Pass
		Inner_Full	22.46	/	/	23.42	/	/	<=30	Pass
		Inner_1RB_Left	22.60	/	/	23.56	/	/	<=30	Pass
		Inner_1RB_Right	21.94	/	/	22.90	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	21.25	/	/	22.21	/	/	<=30	Pass
		Edge_1RB_Right	21.87	/	/	22.83	/	/	<=30	Pass
		Outer_Full	21.74	/	/	22.70	/	/	<=30	Pass
		Inner_Full	22.76	/	/	23.72	/	/	<=30	Pass
		Inner_1RB_Left	22.14	/	/	23.10	/	/	<=30	Pass
		Inner_1RB_Right	22.70	/	/	23.66	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3730.02	Edge_1RB_Left	21.14	/	/	22.10	/	/	<=30	Pass
		Edge_1RB_Right	21.16	/	/	22.12	/	/	<=30	Pass
		Outer_Full	21.00	/	/	21.96	/	/	<=30	Pass
		Inner_Full	21.18	/	/	22.14	/	/	<=30	Pass
		Inner_1RB_Left	21.09	/	/	22.05	/	/	<=30	Pass
		Inner_1RB_Right	21.13	/	/	22.09	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.37	/	/	22.33	/	/	<=30	Pass
		Edge_1RB_Right	20.69	/	/	21.65	/	/	<=30	Pass
		Outer_Full	21.00	/	/	21.96	/	/	<=30	Pass
		Inner_Full	21.04	/	/	22.00	/	/	<=30	Pass
		Inner_1RB_Left	21.36	/	/	22.32	/	/	<=30	Pass
	3949.98	Inner_1RB_Right	20.69	/	/	21.65	/	/	<=30	Pass
		Edge_1RB_Left	20.93	/	/	21.89	/	/	<=30	Pass
		Edge_1RB_Right	21.61	/	/	22.57	/	/	<=30	Pass
		Outer_Full	21.25	/	/	22.21	/	/	<=30	Pass
		Inner_Full	21.27	/	/	22.23	/	/	<=30	Pass
		Inner_1RB_Left	20.93	/	/	21.89	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3730.02	Inner_1RB_Right	21.59	/	/	22.55	/	/	<=30	Pass
		Edge_1RB_Left	18.90	/	/	19.86	/	/	<=30	Pass
		Edge_1RB_Right	18.86	/	/	19.82	/	/	<=30	Pass
		Outer_Full	19.07	/	/	20.03	/	/	<=30	Pass
		Inner_Full	19.20	/	/	20.16	/	/	<=30	Pass
		Inner_1RB_Left	18.87	/	/	19.83	/	/	<=30	Pass
	3840	Inner_1RB_Right	18.91	/	/	19.87	/	/	<=30	Pass
		Edge_1RB_Left	19.24	/	/	20.20	/	/	<=30	Pass
		Edge_1RB_Right	18.62	/	/	19.58	/	/	<=30	Pass
		Outer_Full	19.02	/	/	19.98	/	/	<=30	Pass
		Inner_Full	19.01	/	/	19.97	/	/	<=30	Pass
		Inner_1RB_Left	19.29	/	/	20.25	/	/	<=30	Pass
	3949.98	Inner_1RB_Right	18.61	/	/	19.57	/	/	<=30	Pass
		Edge_1RB_Left	18.85	/	/	19.81	/	/	<=30	Pass
		Edge_1RB_Right	19.50	/	/	20.46	/	/	<=30	Pass
		Outer_Full	19.28	/	/	20.24	/	/	<=30	Pass
		Inner_Full	19.34	/	/	20.30	/	/	<=30	Pass
		Inner_1RB_Left	18.87	/	/	19.83	/	/	<=30	Pass
CP-OFDM QPSK	3730.02	Inner_1RB_Right	19.44	/	/	20.40	/	/	<=30	Pass
		Edge_1RB_Left	20.25	/	/	21.21	/	/	<=30	Pass
		Edge_1RB_Right	20.17	/	/	21.13	/	/	<=30	Pass

		Outer_Full	20.53	/	/	21.49	/	/	<=30	Pass
		Inner_Full	22.15	/	/	23.11	/	/	<=30	Pass
		Inner_1RB_Left	21.82	/	/	22.78	/	/	<=30	Pass
		Inner_1RB_Right	21.73	/	/	22.69	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.67	/	/	21.63	/	/	<=30	Pass
		Edge_1RB_Right	19.98	/	/	20.94	/	/	<=30	Pass
		Outer_Full	20.46	/	/	21.42	/	/	<=30	Pass
		Inner_Full	21.90	/	/	22.86	/	/	<=30	Pass
		Inner_1RB_Left	22.24	/	/	23.20	/	/	<=30	Pass
		Inner_1RB_Right	21.63	/	/	22.59	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	20.25	/	/	21.21	/	/	<=30	Pass
		Edge_1RB_Right	20.93	/	/	21.89	/	/	<=30	Pass
		Outer_Full	20.71	/	/	21.67	/	/	<=30	Pass
		Inner_Full	22.23	/	/	23.19	/	/	<=30	Pass
		Inner_1RB_Left	21.68	/	/	22.64	/	/	<=30	Pass
		Inner_1RB_Right	22.40	/	/	23.36	/	/	<=30	Pass
CP-OFDM 16 QAM	3730.02	Edge_1RB_Left	20.26	/	/	21.22	/	/	<=30	Pass
		Edge_1RB_Right	20.18	/	/	21.14	/	/	<=30	Pass
		Outer_Full	20.53	/	/	21.49	/	/	<=30	Pass
		Inner_Full	21.63	/	/	22.59	/	/	<=30	Pass
		Inner_1RB_Left	21.11	/	/	22.07	/	/	<=30	Pass
		Inner_1RB_Right	21.24	/	/	22.20	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.54	/	/	21.50	/	/	<=30	Pass
		Edge_1RB_Right	19.79	/	/	20.75	/	/	<=30	Pass
		Outer_Full	20.50	/	/	21.46	/	/	<=30	Pass
		Inner_Full	21.45	/	/	22.41	/	/	<=30	Pass
		Inner_1RB_Left	21.49	/	/	22.45	/	/	<=30	Pass
		Inner_1RB_Right	20.86	/	/	21.82	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	19.97	/	/	20.93	/	/	<=30	Pass
		Edge_1RB_Right	20.80	/	/	21.76	/	/	<=30	Pass
		Outer_Full	20.68	/	/	21.64	/	/	<=30	Pass
		Inner_Full	21.76	/	/	22.72	/	/	<=30	Pass
		Inner_1RB_Left	21.07	/	/	22.03	/	/	<=30	Pass
		Inner_1RB_Right	21.63	/	/	22.59	/	/	<=30	Pass
CP-OFDM 64 QAM	3730.02	Edge_1RB_Left	20.01	/	/	20.97	/	/	<=30	Pass
		Edge_1RB_Right	20.02	/	/	20.98	/	/	<=30	Pass
		Outer_Full	20.04	/	/	21.00	/	/	<=30	Pass
		Inner_Full	20.20	/	/	21.16	/	/	<=30	Pass
		Inner_1RB_Left	20.00	/	/	20.96	/	/	<=30	Pass
		Inner_1RB_Right	20.12	/	/	21.08	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.42	/	/	21.38	/	/	<=30	Pass
		Edge_1RB_Right	19.82	/	/	20.78	/	/	<=30	Pass
		Outer_Full	19.99	/	/	20.95	/	/	<=30	Pass
		Inner_Full	19.96	/	/	20.92	/	/	<=30	Pass
		Inner_1RB_Left	20.44	/	/	21.40	/	/	<=30	Pass
		Inner_1RB_Right	19.73	/	/	20.69	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	20.06	/	/	21.02	/	/	<=30	Pass
		Edge_1RB_Right	20.65	/	/	21.61	/	/	<=30	Pass
		Outer_Full	20.24	/	/	21.20	/	/	<=30	Pass
		Inner_Full	20.27	/	/	21.23	/	/	<=30	Pass
		Inner_1RB_Left	20.01	/	/	20.97	/	/	<=30	Pass
		Inner_1RB_Right	20.61	/	/	21.57	/	/	<=30	Pass
CP-OFDM 256 QAM	3730.02	Edge_1RB_Left	16.99	/	/	17.95	/	/	<=30	Pass
		Edge_1RB_Right	17.00	/	/	17.96	/	/	<=30	Pass
		Outer_Full	17.11	/	/	18.07	/	/	<=30	Pass
		Inner_Full	17.21	/	/	18.17	/	/	<=30	Pass
		Inner_1RB_Left	17.02	/	/	17.98	/	/	<=30	Pass
		Inner_1RB_Right	17.03	/	/	17.99	/	/	<=30	Pass
	3840	Edge_1RB_Left	17.33	/	/	18.29	/	/	<=30	Pass

		Edge 1RB Right	16.74	/	/	17.70	/	/	<=30	Pass
		Outer_Full	17.09	/	/	18.05	/	/	<=30	Pass
		Inner_Full	17.00	/	/	17.96	/	/	<=30	Pass
		Inner_1RB Left	17.41	/	/	18.37	/	/	<=30	Pass
		Inner_1RB Right	16.71	/	/	17.67	/	/	<=30	Pass
	3949.98	Edge 1RB Left	16.93	/	/	17.89	/	/	<=30	Pass
		Edge 1RB Right	17.58	/	/	18.54	/	/	<=30	Pass
		Outer_Full	17.20	/	/	18.16	/	/	<=30	Pass
		Inner_Full	17.26	/	/	18.22	/	/	<=30	Pass
		Inner_1RB Left	16.96	/	/	17.92	/	/	<=30	Pass
		Inner_1RB Right	17.55	/	/	18.51	/	/	<=30	Pass
Note1: Antenna Gain: Ant11: 0.96dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.9 30k_SISO_70MHz_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 70MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant11	Ant2	Sum	Ant11	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3735	Edge 1RB Left	22.85	/	/	23.81	/	/	<=30	Pass
		Edge 1RB Right	22.95	/	/	23.91	/	/	<=30	Pass
		Outer_Full	22.98	/	/	23.94	/	/	<=30	Pass
		Inner_Full	23.61	/	/	24.57	/	/	<=30	Pass
		Inner 1RB Left	23.32	/	/	24.28	/	/	<=30	Pass
	3840	Inner 1RB Right	23.44	/	/	24.40	/	/	<=30	Pass
		Edge 1RB Left	23.25	/	/	24.21	/	/	<=30	Pass
		Edge 1RB Right	22.62	/	/	23.58	/	/	<=30	Pass
		Outer_Full	23.00	/	/	23.96	/	/	<=30	Pass
		Inner_Full	23.45	/	/	24.41	/	/	<=30	Pass
	3945	Inner 1RB Left	23.79	/	/	24.75	/	/	<=30	Pass
		Inner 1RB Right	23.05	/	/	24.01	/	/	<=30	Pass
		Edge 1RB Left	22.80	/	/	23.76	/	/	<=30	Pass
		Edge 1RB Right	23.39	/	/	24.35	/	/	<=30	Pass
		Outer_Full	23.02	/	/	23.98	/	/	<=30	Pass
DFT-s-OFDM QPSK	3735	Inner_Full	23.53	/	/	24.49	/	/	<=30	Pass
		Inner 1RB Left	23.29	/	/	24.25	/	/	<=30	Pass
		Inner 1RB Right	23.81	/	/	24.77	/	/	<=30	Pass
		Edge 1RB Left	22.25	/	/	23.21	/	/	<=30	Pass
		Edge 1RB Right	22.35	/	/	23.31	/	/	<=30	Pass
	3840	Outer_Full	22.44	/	/	23.40	/	/	<=30	Pass
		Inner_Full	23.56	/	/	24.52	/	/	<=30	Pass
		Inner 1RB Left	23.29	/	/	24.25	/	/	<=30	Pass
		Inner 1RB Right	23.47	/	/	24.43	/	/	<=30	Pass
		Edge 1RB Left	22.71	/	/	23.67	/	/	<=30	Pass
	3945	Edge 1RB Right	22.08	/	/	23.04	/	/	<=30	Pass
		Outer_Full	22.50	/	/	23.46	/	/	<=30	Pass
		Inner_Full	23.45	/	/	24.41	/	/	<=30	Pass
		Inner 1RB Left	23.73	/	/	24.69	/	/	<=30	Pass
		Inner 1RB Right	23.04	/	/	24.00	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3735	Edge 1RB Left	22.28	/	/	23.24	/	/	<=30	Pass
		Edge 1RB Right	22.87	/	/	23.83	/	/	<=30	Pass
		Outer_Full	22.57	/	/	23.53	/	/	<=30	Pass
		Inner_Full	23.54	/	/	24.50	/	/	<=30	Pass
		Inner 1RB Left	23.30	/	/	24.26	/	/	<=30	Pass
	3735	Inner 1RB Right	23.79	/	/	24.75	/	/	<=30	Pass
		Edge 1RB Left	21.22	/	/	22.18	/	/	<=30	Pass
		Edge 1RB Right	21.31	/	/	22.27	/	/	<=30	Pass
		Outer_Full	21.47	/	/	22.43	/	/	<=30	Pass

		Inner_Full	22.58	/	/	23.54	/	/	<=30	Pass
		Inner_1RB_Left	22.03	/	/	22.99	/	/	<=30	Pass
		Inner_1RB_Right	22.13	/	/	23.09	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.68	/	/	22.64	/	/	<=30	Pass
		Edge_1RB_Right	21.08	/	/	22.04	/	/	<=30	Pass
		Outer_Full	21.54	/	/	22.50	/	/	<=30	Pass
		Inner_Full	22.47	/	/	23.43	/	/	<=30	Pass
		Inner_1RB_Left	22.61	/	/	23.57	/	/	<=30	Pass
		Inner_1RB_Right	21.92	/	/	22.88	/	/	<=30	Pass
	3945	Edge_1RB_Left	21.21	/	/	22.17	/	/	<=30	Pass
		Edge_1RB_Right	21.73	/	/	22.69	/	/	<=30	Pass
		Outer_Full	21.61	/	/	22.57	/	/	<=30	Pass
		Inner_Full	22.61	/	/	23.57	/	/	<=30	Pass
		Inner_1RB_Left	22.03	/	/	22.99	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3735	Inner_1RB_Right	22.67	/	/	23.63	/	/	<=30	Pass
		Edge_1RB_Left	21.13	/	/	22.09	/	/	<=30	Pass
		Edge_1RB_Right	21.26	/	/	22.22	/	/	<=30	Pass
		Outer_Full	20.99	/	/	21.95	/	/	<=30	Pass
		Inner_Full	21.13	/	/	22.09	/	/	<=30	Pass
		Inner_1RB_Left	21.15	/	/	22.11	/	/	<=30	Pass
	3840	Inner_1RB_Right	21.23	/	/	22.19	/	/	<=30	Pass
		Edge_1RB_Left	21.40	/	/	22.36	/	/	<=30	Pass
		Edge_1RB_Right	20.74	/	/	21.70	/	/	<=30	Pass
		Outer_Full	21.02	/	/	21.98	/	/	<=30	Pass
		Inner_Full	20.99	/	/	21.95	/	/	<=30	Pass
		Inner_1RB_Left	21.39	/	/	22.35	/	/	<=30	Pass
	3945	Inner_1RB_Right	20.71	/	/	21.67	/	/	<=30	Pass
		Edge_1RB_Left	20.89	/	/	21.85	/	/	<=30	Pass
		Edge_1RB_Right	21.56	/	/	22.52	/	/	<=30	Pass
		Outer_Full	21.11	/	/	22.07	/	/	<=30	Pass
		Inner_Full	21.08	/	/	22.04	/	/	<=30	Pass
		Inner_1RB_Left	20.89	/	/	21.85	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3735	Inner_1RB_Right	21.54	/	/	22.50	/	/	<=30	Pass
		Edge_1RB_Left	18.92	/	/	19.88	/	/	<=30	Pass
		Edge_1RB_Right	19.05	/	/	20.01	/	/	<=30	Pass
		Outer_Full	19.04	/	/	20.00	/	/	<=30	Pass
		Inner_Full	19.12	/	/	20.08	/	/	<=30	Pass
		Inner_1RB_Left	18.91	/	/	19.87	/	/	<=30	Pass
	3840	Inner_1RB_Right	19.06	/	/	20.02	/	/	<=30	Pass
		Edge_1RB_Left	19.28	/	/	20.24	/	/	<=30	Pass
		Edge_1RB_Right	18.64	/	/	19.60	/	/	<=30	Pass
		Outer_Full	19.02	/	/	19.98	/	/	<=30	Pass
		Inner_Full	19.01	/	/	19.97	/	/	<=30	Pass
		Inner_1RB_Left	19.29	/	/	20.25	/	/	<=30	Pass
	3945	Inner_1RB_Right	18.63	/	/	19.59	/	/	<=30	Pass
		Edge_1RB_Left	18.82	/	/	19.78	/	/	<=30	Pass
		Edge_1RB_Right	19.45	/	/	20.41	/	/	<=30	Pass
		Outer_Full	19.13	/	/	20.09	/	/	<=30	Pass
		Inner_Full	19.16	/	/	20.12	/	/	<=30	Pass
		Inner_1RB_Left	18.80	/	/	19.76	/	/	<=30	Pass
CP-OFDM QPSK	3735	Inner_1RB_Right	19.42	/	/	20.38	/	/	<=30	Pass
		Edge_1RB_Left	20.24	/	/	21.20	/	/	<=30	Pass
		Edge_1RB_Right	20.43	/	/	21.39	/	/	<=30	Pass
		Outer_Full	20.48	/	/	21.44	/	/	<=30	Pass
		Inner_Full	22.03	/	/	22.99	/	/	<=30	Pass
		Inner_1RB_Left	21.68	/	/	22.64	/	/	<=30	Pass
	3840	Inner_1RB_Right	21.89	/	/	22.85	/	/	<=30	Pass
		Edge_1RB_Left	20.70	/	/	21.66	/	/	<=30	Pass
		Edge_1RB_Right	20.08	/	/	21.04	/	/	<=30	Pass

		Outer_Full	20.49	/	/	21.45	/	/	<=30	Pass
		Inner_Full	21.93	/	/	22.89	/	/	<=30	Pass
		Inner_1RB_Left	22.25	/	/	23.21	/	/	<=30	Pass
		Inner_1RB_Right	21.62	/	/	22.58	/	/	<=30	Pass
	3945	Edge_1RB_Left	20.17	/	/	21.13	/	/	<=30	Pass
		Edge_1RB_Right	20.86	/	/	21.82	/	/	<=30	Pass
		Outer_Full	20.64	/	/	21.60	/	/	<=30	Pass
		Inner_Full	22.07	/	/	23.03	/	/	<=30	Pass
		Inner_1RB_Left	21.61	/	/	22.57	/	/	<=30	Pass
		Inner_1RB_Right	22.44	/	/	23.40	/	/	<=30	Pass
CP-OFDM 16 QAM	3735	Edge_1RB_Left	20.34	/	/	21.30	/	/	<=30	Pass
		Edge_1RB_Right	20.28	/	/	21.24	/	/	<=30	Pass
		Outer_Full	20.50	/	/	21.46	/	/	<=30	Pass
		Inner_Full	21.56	/	/	22.52	/	/	<=30	Pass
		Inner_1RB_Left	21.25	/	/	22.21	/	/	<=30	Pass
		Inner_1RB_Right	21.37	/	/	22.33	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.59	/	/	21.55	/	/	<=30	Pass
		Edge_1RB_Right	19.95	/	/	20.91	/	/	<=30	Pass
		Outer_Full	20.52	/	/	21.48	/	/	<=30	Pass
		Inner_Full	21.43	/	/	22.39	/	/	<=30	Pass
		Inner_1RB_Left	21.52	/	/	22.48	/	/	<=30	Pass
		Inner_1RB_Right	20.89	/	/	21.85	/	/	<=30	Pass
	3945	Edge_1RB_Left	20.01	/	/	20.97	/	/	<=30	Pass
		Edge_1RB_Right	20.60	/	/	21.56	/	/	<=30	Pass
		Outer_Full	20.62	/	/	21.58	/	/	<=30	Pass
		Inner_Full	21.63	/	/	22.59	/	/	<=30	Pass
		Inner_1RB_Left	21.09	/	/	22.05	/	/	<=30	Pass
		Inner_1RB_Right	21.71	/	/	22.67	/	/	<=30	Pass
CP-OFDM 64 QAM	3735	Edge_1RB_Left	20.04	/	/	21.00	/	/	<=30	Pass
		Edge_1RB_Right	20.15	/	/	21.11	/	/	<=30	Pass
		Outer_Full	20.00	/	/	20.96	/	/	<=30	Pass
		Inner_Full	20.11	/	/	21.07	/	/	<=30	Pass
		Inner_1RB_Left	20.03	/	/	20.99	/	/	<=30	Pass
		Inner_1RB_Right	20.19	/	/	21.15	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.44	/	/	21.40	/	/	<=30	Pass
		Edge_1RB_Right	19.80	/	/	20.76	/	/	<=30	Pass
		Outer_Full	20.02	/	/	20.98	/	/	<=30	Pass
		Inner_Full	19.98	/	/	20.94	/	/	<=30	Pass
		Inner_1RB_Left	20.45	/	/	21.41	/	/	<=30	Pass
		Inner_1RB_Right	19.88	/	/	20.84	/	/	<=30	Pass
	3945	Edge_1RB_Left	19.95	/	/	20.91	/	/	<=30	Pass
		Edge_1RB_Right	20.59	/	/	21.55	/	/	<=30	Pass
		Outer_Full	20.12	/	/	21.08	/	/	<=30	Pass
		Inner_Full	20.14	/	/	21.10	/	/	<=30	Pass
		Inner_1RB_Left	19.98	/	/	20.94	/	/	<=30	Pass
		Inner_1RB_Right	20.60	/	/	21.56	/	/	<=30	Pass
CP-OFDM 256 QAM	3735	Edge_1RB_Left	17.03	/	/	17.99	/	/	<=30	Pass
		Edge_1RB_Right	17.19	/	/	18.15	/	/	<=30	Pass
		Outer_Full	17.02	/	/	17.98	/	/	<=30	Pass
		Inner_Full	17.13	/	/	18.09	/	/	<=30	Pass
		Inner_1RB_Left	17.03	/	/	17.99	/	/	<=30	Pass
		Inner_1RB_Right	17.14	/	/	18.10	/	/	<=30	Pass
	3840	Edge_1RB_Left	17.41	/	/	18.37	/	/	<=30	Pass
		Edge_1RB_Right	16.73	/	/	17.69	/	/	<=30	Pass
		Outer_Full	17.07	/	/	18.03	/	/	<=30	Pass
		Inner_Full	17.00	/	/	17.96	/	/	<=30	Pass
		Inner_1RB_Left	17.42	/	/	18.38	/	/	<=30	Pass
		Inner_1RB_Right	16.76	/	/	17.72	/	/	<=30	Pass
	3945	Edge_1RB_Left	16.92	/	/	17.88	/	/	<=30	Pass

		Edge 1RB Right	17.54	/	/	18.50	/	/	<=30	Pass
		Outer Full	17.17	/	/	18.13	/	/	<=30	Pass
		Inner Full	17.15	/	/	18.11	/	/	<=30	Pass
		Inner 1RB Left	16.94	/	/	17.90	/	/	<=30	Pass
		Inner 1RB Right	17.51	/	/	18.47	/	/	<=30	Pass
Note1: Antenna Gain: Ant11: 0.96dBi; Note2: EIRP=Conducted Power+Antenna Gain										

1.1.10 30k_SISO_80MHz_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 80MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant11	Ant2	Sum	Ant11	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3740.01	Edge 1RB Left	22.85	/	/	23.81	/	/	<=30	Pass
		Edge 1RB Right	23.21	/	/	24.17	/	/	<=30	Pass
		Outer Full	23.08	/	/	24.04	/	/	<=30	Pass
		Inner Full	23.63	/	/	24.59	/	/	<=30	Pass
		Inner 1RB Left	23.36	/	/	24.32	/	/	<=30	Pass
		Inner 1RB Right	23.73	/	/	24.69	/	/	<=30	Pass
	3840	Edge 1RB Left	23.32	/	/	24.28	/	/	<=30	Pass
		Edge 1RB Right	22.86	/	/	23.82	/	/	<=30	Pass
		Outer Full	23.01	/	/	23.97	/	/	<=30	Pass
		Inner Full	23.50	/	/	24.46	/	/	<=30	Pass
		Inner 1RB Left	23.80	/	/	24.76	/	/	<=30	Pass
		Inner 1RB Right	23.24	/	/	24.20	/	/	<=30	Pass
	3939.99	Edge 1RB Left	23.21	/	/	24.17	/	/	<=30	Pass
		Edge 1RB Right	23.49	/	/	24.45	/	/	<=30	Pass
		Outer Full	23.06	/	/	24.02	/	/	<=30	Pass
		Inner Full	23.64	/	/	24.60	/	/	<=30	Pass
		Inner 1RB Left	23.67	/	/	24.63	/	/	<=30	Pass
		Inner 1RB Right	23.92	/	/	24.88	/	/	<=30	Pass
DFT-s-OFDM QPSK	3740.01	Edge 1RB Left	22.35	/	/	23.31	/	/	<=30	Pass
		Edge 1RB Right	22.70	/	/	23.66	/	/	<=30	Pass
		Outer Full	22.56	/	/	23.52	/	/	<=30	Pass
		Inner Full	23.61	/	/	24.57	/	/	<=30	Pass
		Inner 1RB Left	23.32	/	/	24.28	/	/	<=30	Pass
		Inner 1RB Right	23.73	/	/	24.69	/	/	<=30	Pass
	3840	Edge 1RB Left	22.81	/	/	23.77	/	/	<=30	Pass
		Edge 1RB Right	22.33	/	/	23.29	/	/	<=30	Pass
		Outer Full	22.49	/	/	23.45	/	/	<=30	Pass
		Inner Full	23.52	/	/	24.48	/	/	<=30	Pass
		Inner 1RB Left	23.78	/	/	24.74	/	/	<=30	Pass
		Inner 1RB Right	23.25	/	/	24.21	/	/	<=30	Pass
	3939.99	Edge 1RB Left	22.66	/	/	23.62	/	/	<=30	Pass
		Edge 1RB Right	22.92	/	/	23.88	/	/	<=30	Pass
		Outer Full	22.64	/	/	23.60	/	/	<=30	Pass
		Inner Full	23.65	/	/	24.61	/	/	<=30	Pass
		Inner 1RB Left	23.59	/	/	24.55	/	/	<=30	Pass
		Inner 1RB Right	23.91	/	/	24.87	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3740.01	Edge 1RB Left	21.36	/	/	22.32	/	/	<=30	Pass
		Edge 1RB Right	21.66	/	/	22.62	/	/	<=30	Pass
		Outer Full	21.55	/	/	22.51	/	/	<=30	Pass
		Inner Full	22.59	/	/	23.55	/	/	<=30	Pass
		Inner 1RB Left	22.15	/	/	23.11	/	/	<=30	Pass
		Inner 1RB Right	22.51	/	/	23.47	/	/	<=30	Pass
	3840	Edge 1RB Left	21.79	/	/	22.75	/	/	<=30	Pass
		Edge 1RB Right	21.13	/	/	22.09	/	/	<=30	Pass
		Outer Full	21.56	/	/	22.52	/	/	<=30	Pass

		Inner_Full	22.51	/	/	23.47	/	/	<=30	Pass
		Inner_1RB_Left	22.68	/	/	23.64	/	/	<=30	Pass
		Inner_1RB_Right	22.22	/	/	23.18	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	21.58	/	/	22.54	/	/	<=30	Pass
		Edge_1RB_Right	21.87	/	/	22.83	/	/	<=30	Pass
		Outer_Full	21.67	/	/	22.63	/	/	<=30	Pass
		Inner_Full	22.70	/	/	23.66	/	/	<=30	Pass
		Inner_1RB_Left	22.52	/	/	23.48	/	/	<=30	Pass
		Inner_1RB_Right	22.71	/	/	23.67	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3740.01	Edge_1RB_Left	21.23	/	/	22.19	/	/	<=30	Pass
		Edge_1RB_Right	21.55	/	/	22.51	/	/	<=30	Pass
		Outer_Full	21.10	/	/	22.06	/	/	<=30	Pass
		Inner_Full	21.15	/	/	22.11	/	/	<=30	Pass
		Inner_1RB_Left	21.19	/	/	22.15	/	/	<=30	Pass
		Inner_1RB_Right	21.55	/	/	22.51	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.42	/	/	22.38	/	/	<=30	Pass
		Edge_1RB_Right	21.01	/	/	21.97	/	/	<=30	Pass
		Outer_Full	21.08	/	/	22.04	/	/	<=30	Pass
		Inner_Full	21.06	/	/	22.02	/	/	<=30	Pass
		Inner_1RB_Left	21.47	/	/	22.43	/	/	<=30	Pass
		Inner_1RB_Right	20.97	/	/	21.93	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	21.35	/	/	22.31	/	/	<=30	Pass
		Edge_1RB_Right	21.64	/	/	22.60	/	/	<=30	Pass
		Outer_Full	21.21	/	/	22.17	/	/	<=30	Pass
		Inner_Full	21.16	/	/	22.12	/	/	<=30	Pass
		Inner_1RB_Left	21.32	/	/	22.28	/	/	<=30	Pass
		Inner_1RB_Right	21.65	/	/	22.61	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3740.01	Edge_1RB_Left	18.98	/	/	19.94	/	/	<=30	Pass
		Edge_1RB_Right	19.35	/	/	20.31	/	/	<=30	Pass
		Outer_Full	19.15	/	/	20.11	/	/	<=30	Pass
		Inner_Full	19.21	/	/	20.17	/	/	<=30	Pass
		Inner_1RB_Left	18.96	/	/	19.92	/	/	<=30	Pass
		Inner_1RB_Right	19.35	/	/	20.31	/	/	<=30	Pass
	3840	Edge_1RB_Left	19.36	/	/	20.32	/	/	<=30	Pass
		Edge_1RB_Right	18.89	/	/	19.85	/	/	<=30	Pass
		Outer_Full	19.09	/	/	20.05	/	/	<=30	Pass
		Inner_Full	19.12	/	/	20.08	/	/	<=30	Pass
		Inner_1RB_Left	19.37	/	/	20.33	/	/	<=30	Pass
		Inner_1RB_Right	18.91	/	/	19.87	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	19.23	/	/	20.19	/	/	<=30	Pass
		Edge_1RB_Right	19.49	/	/	20.45	/	/	<=30	Pass
		Outer_Full	19.19	/	/	20.15	/	/	<=30	Pass
		Inner_Full	19.21	/	/	20.17	/	/	<=30	Pass
		Inner_1RB_Left	19.20	/	/	20.16	/	/	<=30	Pass
		Inner_1RB_Right	19.49	/	/	20.45	/	/	<=30	Pass
CP-OFDM QPSK	3740.01	Edge_1RB_Left	20.42	/	/	21.38	/	/	<=30	Pass
		Edge_1RB_Right	20.77	/	/	21.73	/	/	<=30	Pass
		Outer_Full	20.61	/	/	21.57	/	/	<=30	Pass
		Inner_Full	22.14	/	/	23.10	/	/	<=30	Pass
		Inner_1RB_Left	22.02	/	/	22.98	/	/	<=30	Pass
		Inner_1RB_Right	22.26	/	/	23.22	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.81	/	/	21.77	/	/	<=30	Pass
		Edge_1RB_Right	20.27	/	/	21.23	/	/	<=30	Pass
		Outer_Full	20.55	/	/	21.51	/	/	<=30	Pass
		Inner_Full	21.97	/	/	22.93	/	/	<=30	Pass
		Inner_1RB_Left	22.29	/	/	23.25	/	/	<=30	Pass
		Inner_1RB_Right	21.99	/	/	22.95	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	20.71	/	/	21.67	/	/	<=30	Pass
		Edge_1RB_Right	20.92	/	/	21.88	/	/	<=30	Pass

Note2: EIRP=Conducted Power+Antenna Gain

1.1.11 30k_SISO_90MHz_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 90MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant11	Ant2	Sum	Ant11	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3745.02	Edge_1RB_Left	22.83	/	/	23.79	/	/	<=30	Pass
		Edge_1RB_Right	23.37	/	/	24.33	/	/	<=30	Pass
		Outer_Full	23.09	/	/	24.05	/	/	<=30	Pass
		Inner_Full	23.55	/	/	24.51	/	/	<=30	Pass
		Inner_1RB_Left	23.35	/	/	24.31	/	/	<=30	Pass
		Inner_1RB_Right	23.89	/	/	24.85	/	/	<=30	Pass
	3840	Edge_1RB_Left	23.25	/	/	24.21	/	/	<=30	Pass
		Edge_1RB_Right	23.02	/	/	23.98	/	/	<=30	Pass
		Outer_Full	23.03	/	/	23.99	/	/	<=30	Pass
		Inner_Full	23.48	/	/	24.44	/	/	<=30	Pass
		Inner_1RB_Left	23.79	/	/	24.75	/	/	<=30	Pass
		Inner_1RB_Right	23.38	/	/	24.34	/	/	<=30	Pass
	3934.98	Edge_1RB_Left	23.22	/	/	24.18	/	/	<=30	Pass
		Edge_1RB_Right	23.39	/	/	24.35	/	/	<=30	Pass
		Outer_Full	23.13	/	/	24.09	/	/	<=30	Pass
		Inner_Full	23.62	/	/	24.58	/	/	<=30	Pass
		Inner_1RB_Left	23.68	/	/	24.64	/	/	<=30	Pass
DFT-s-OFDM QPSK	3745.02	Edge_1RB_Left	22.29	/	/	23.25	/	/	<=30	Pass
		Edge_1RB_Right	22.82	/	/	23.78	/	/	<=30	Pass
		Outer_Full	22.59	/	/	23.55	/	/	<=30	Pass
		Inner_Full	23.49	/	/	24.45	/	/	<=30	Pass
		Inner_1RB_Left	23.34	/	/	24.30	/	/	<=30	Pass
		Inner_1RB_Right	23.86	/	/	24.82	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.78	/	/	23.74	/	/	<=30	Pass
		Edge_1RB_Right	22.46	/	/	23.42	/	/	<=30	Pass
		Outer_Full	22.51	/	/	23.47	/	/	<=30	Pass
		Inner_Full	23.48	/	/	24.44	/	/	<=30	Pass
		Inner_1RB_Left	23.69	/	/	24.65	/	/	<=30	Pass
		Inner_1RB_Right	23.38	/	/	24.34	/	/	<=30	Pass
	3934.98	Edge_1RB_Left	22.70	/	/	23.66	/	/	<=30	Pass
		Edge_1RB_Right	22.85	/	/	23.81	/	/	<=30	Pass
		Outer_Full	22.66	/	/	23.62	/	/	<=30	Pass
		Inner_Full	23.61	/	/	24.57	/	/	<=30	Pass
		Inner_1RB_Left	23.65	/	/	24.61	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3745.02	Inner_1RB_Right	23.80	/	/	24.76	/	/	<=30	Pass
		Edge_1RB_Left	21.36	/	/	22.32	/	/	<=30	Pass
		Edge_1RB_Right	21.84	/	/	22.80	/	/	<=30	Pass
		Outer_Full	21.57	/	/	22.53	/	/	<=30	Pass
		Inner_Full	22.55	/	/	23.51	/	/	<=30	Pass
		Inner_1RB_Left	22.19	/	/	23.15	/	/	<=30	Pass
	3840	Inner_1RB_Right	22.60	/	/	23.56	/	/	<=30	Pass
		Edge_1RB_Left	21.68	/	/	22.64	/	/	<=30	Pass
		Edge_1RB_Right	21.41	/	/	22.37	/	/	<=30	Pass
		Outer_Full	21.54	/	/	22.50	/	/	<=30	Pass
		Inner_Full	22.51	/	/	23.47	/	/	<=30	Pass
		Inner_1RB_Left	22.62	/	/	23.58	/	/	<=30	Pass
	3934.98	Inner_1RB_Right	22.33	/	/	23.29	/	/	<=30	Pass
		Edge_1RB_Left	21.51	/	/	22.47	/	/	<=30	Pass
		Edge_1RB_Right	21.75	/	/	22.71	/	/	<=30	Pass

		Outer_Full	21.69	/	/	22.65	/	/	<=30	Pass
		Inner_Full	22.69	/	/	23.65	/	/	<=30	Pass
		Inner_1RB_Left	22.51	/	/	23.47	/	/	<=30	Pass
		Inner_1RB_Right	22.62	/	/	23.58	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3745.02	Edge_1RB_Left	21.26	/	/	22.22	/	/	<=30	Pass
		Edge_1RB_Right	21.72	/	/	22.68	/	/	<=30	Pass
		Outer_Full	21.14	/	/	22.10	/	/	<=30	Pass
		Inner_Full	21.09	/	/	22.05	/	/	<=30	Pass
		Inner_1RB_Left	21.20	/	/	22.16	/	/	<=30	Pass
		Inner_1RB_Right	21.73	/	/	22.69	/	/	<=30	Pass
		Edge_1RB_Left	21.43	/	/	22.39	/	/	<=30	Pass
		Edge_1RB_Right	21.16	/	/	22.12	/	/	<=30	Pass
	3840	Outer_Full	21.06	/	/	22.02	/	/	<=30	Pass
		Inner_Full	21.04	/	/	22.00	/	/	<=30	Pass
		Inner_1RB_Left	21.41	/	/	22.37	/	/	<=30	Pass
		Inner_1RB_Right	21.15	/	/	22.11	/	/	<=30	Pass
	3934.98	Edge_1RB_Left	21.31	/	/	22.27	/	/	<=30	Pass
		Edge_1RB_Right	21.57	/	/	22.53	/	/	<=30	Pass
		Outer_Full	21.18	/	/	22.14	/	/	<=30	Pass
		Inner_Full	21.14	/	/	22.10	/	/	<=30	Pass
		Inner_1RB_Left	21.34	/	/	22.30	/	/	<=30	Pass
		Inner_1RB_Right	21.55	/	/	22.51	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3745.02	Edge_1RB_Left	18.97	/	/	19.93	/	/	<=30	Pass
		Edge_1RB_Right	19.47	/	/	20.43	/	/	<=30	Pass
		Outer_Full	19.14	/	/	20.10	/	/	<=30	Pass
		Inner_Full	19.10	/	/	20.06	/	/	<=30	Pass
		Inner_1RB_Left	18.95	/	/	19.91	/	/	<=30	Pass
		Inner_1RB_Right	19.51	/	/	20.47	/	/	<=30	Pass
	3840	Edge_1RB_Left	19.29	/	/	20.25	/	/	<=30	Pass
		Edge_1RB_Right	19.02	/	/	19.98	/	/	<=30	Pass
		Outer_Full	19.10	/	/	20.06	/	/	<=30	Pass
		Inner_Full	19.09	/	/	20.05	/	/	<=30	Pass
		Inner_1RB_Left	19.31	/	/	20.27	/	/	<=30	Pass
		Inner_1RB_Right	19.01	/	/	19.97	/	/	<=30	Pass
	3934.98	Edge_1RB_Left	19.24	/	/	20.20	/	/	<=30	Pass
		Edge_1RB_Right	19.43	/	/	20.39	/	/	<=30	Pass
		Outer_Full	19.23	/	/	20.19	/	/	<=30	Pass
		Inner_Full	19.21	/	/	20.17	/	/	<=30	Pass
		Inner_1RB_Left	19.26	/	/	20.22	/	/	<=30	Pass
		Inner_1RB_Right	19.39	/	/	20.35	/	/	<=30	Pass
CP-OFDM QPSK	3745.02	Edge_1RB_Left	20.23	/	/	21.19	/	/	<=30	Pass
		Edge_1RB_Right	20.94	/	/	21.90	/	/	<=30	Pass
		Outer_Full	20.55	/	/	21.51	/	/	<=30	Pass
		Inner_Full	21.98	/	/	22.94	/	/	<=30	Pass
		Inner_1RB_Left	21.88	/	/	22.84	/	/	<=30	Pass
		Inner_1RB_Right	22.40	/	/	23.36	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.79	/	/	21.75	/	/	<=30	Pass
		Edge_1RB_Right	20.45	/	/	21.41	/	/	<=30	Pass
		Outer_Full	20.51	/	/	21.47	/	/	<=30	Pass
		Inner_Full	21.92	/	/	22.88	/	/	<=30	Pass
		Inner_1RB_Left	22.11	/	/	23.07	/	/	<=30	Pass
		Inner_1RB_Right	21.83	/	/	22.79	/	/	<=30	Pass
	3934.98	Edge_1RB_Left	20.69	/	/	21.65	/	/	<=30	Pass
		Edge_1RB_Right	20.86	/	/	21.82	/	/	<=30	Pass
		Outer_Full	20.66	/	/	21.62	/	/	<=30	Pass
		Inner_Full	22.13	/	/	23.09	/	/	<=30	Pass
		Inner_1RB_Left	22.18	/	/	23.14	/	/	<=30	Pass
		Inner_1RB_Right	22.23	/	/	23.19	/	/	<=30	Pass
CP-OFDM 16 QAM	3745.02	Edge_1RB_Left	20.22	/	/	21.18	/	/	<=30	Pass

		Edge 1RB Right	20.77	/	/	21.73	/	/	<=30	Pass
		Outer Full	20.57	/	/	21.53	/	/	<=30	Pass
		Inner Full	21.50	/	/	22.46	/	/	<=30	Pass
		Inner 1RB Left	21.38	/	/	22.34	/	/	<=30	Pass
		Inner 1RB Right	21.81	/	/	22.77	/	/	<=30	Pass
	3840	Edge 1RB Left	20.42	/	/	21.38	/	/	<=30	Pass
		Edge 1RB Right	20.24	/	/	21.20	/	/	<=30	Pass
		Outer Full	20.51	/	/	21.47	/	/	<=30	Pass
		Inner Full	21.46	/	/	22.42	/	/	<=30	Pass
		Inner 1RB Left	21.57	/	/	22.53	/	/	<=30	Pass
	3934.98	Inner 1RB Right	21.27	/	/	22.23	/	/	<=30	Pass
		Edge 1RB Left	20.40	/	/	21.36	/	/	<=30	Pass
		Edge 1RB Right	20.62	/	/	21.58	/	/	<=30	Pass
		Outer Full	20.66	/	/	21.62	/	/	<=30	Pass
		Inner Full	21.62	/	/	22.58	/	/	<=30	Pass
CP-OFDM 64 QAM	3745.02	Inner 1RB Left	21.47	/	/	22.43	/	/	<=30	Pass
		Inner 1RB Right	21.55	/	/	22.51	/	/	<=30	Pass
		Edge 1RB Left	20.23	/	/	21.19	/	/	<=30	Pass
		Edge 1RB Right	20.67	/	/	21.63	/	/	<=30	Pass
		Outer Full	20.12	/	/	21.08	/	/	<=30	Pass
	3840	Inner Full	19.98	/	/	20.94	/	/	<=30	Pass
		Inner 1RB Left	20.13	/	/	21.09	/	/	<=30	Pass
		Inner 1RB Right	20.62	/	/	21.58	/	/	<=30	Pass
		Edge 1RB Left	20.45	/	/	21.41	/	/	<=30	Pass
		Edge 1RB Right	20.27	/	/	21.23	/	/	<=30	Pass
	3934.98	Outer Full	20.05	/	/	21.01	/	/	<=30	Pass
		Inner Full	19.99	/	/	20.95	/	/	<=30	Pass
		Inner 1RB Left	20.54	/	/	21.50	/	/	<=30	Pass
		Inner 1RB Right	20.14	/	/	21.10	/	/	<=30	Pass
		Edge 1RB Left	20.43	/	/	21.39	/	/	<=30	Pass
CP-OFDM 256 QAM	3745.02	Edge 1RB Right	20.64	/	/	21.60	/	/	<=30	Pass
		Outer Full	20.19	/	/	21.15	/	/	<=30	Pass
		Inner Full	20.13	/	/	21.09	/	/	<=30	Pass
		Inner 1RB Left	20.45	/	/	21.41	/	/	<=30	Pass
		Inner 1RB Right	20.61	/	/	21.57	/	/	<=30	Pass
	3840	Edge 1RB Left	17.09	/	/	18.05	/	/	<=30	Pass
		Edge 1RB Right	17.62	/	/	18.58	/	/	<=30	Pass
		Outer Full	17.16	/	/	18.12	/	/	<=30	Pass
		Inner Full	17.13	/	/	18.09	/	/	<=30	Pass
		Inner 1RB Left	17.06	/	/	18.02	/	/	<=30	Pass
	3934.98	Inner 1RB Right	17.60	/	/	18.56	/	/	<=30	Pass
		Edge 1RB Left	17.41	/	/	18.37	/	/	<=30	Pass
		Edge 1RB Right	17.20	/	/	18.16	/	/	<=30	Pass
		Outer Full	17.04	/	/	18.00	/	/	<=30	Pass
		Inner Full	17.02	/	/	17.98	/	/	<=30	Pass
	Inner 1RB Left	17.45	/	/	18.41	/	/	<=30	Pass	
	Inner 1RB Right	17.07	/	/	18.03	/	/	<=30	Pass	
	Edge 1RB Left	17.31	/	/	18.27	/	/	<=30	Pass	
	Edge 1RB Right	17.56	/	/	18.52	/	/	<=30	Pass	
	Outer Full	17.23	/	/	18.19	/	/	<=30	Pass	
Note1: Antenna Gain: Ant11: 0.96dBi;										
Note2: EIRP=Conducted Power+Antenna Gain										

1.1.12 30k_SISO_100MHz_NTNV_EIRP

5G NR n77a SCS=30kHz SISO 100MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant11	Ant2	Sum	Ant11	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3750	Edge 1RB Left	22.85	/	/	23.81	/	/	<=30	Pass
		Edge 1RB Right	23.36	/	/	24.32	/	/	<=30	Pass
		Outer Full	23.12	/	/	24.08	/	/	<=30	Pass
		Inner Full	23.60	/	/	24.56	/	/	<=30	Pass
		Inner 1RB Left	23.38	/	/	24.34	/	/	<=30	Pass
		Inner 1RB Right	23.85	/	/	24.81	/	/	<=30	Pass
	3840	Edge 1RB Left	23.29	/	/	24.25	/	/	<=30	Pass
		Edge 1RB Right	23.19	/	/	24.15	/	/	<=30	Pass
		Outer Full	23.09	/	/	24.05	/	/	<=30	Pass
		Inner Full	23.55	/	/	24.51	/	/	<=30	Pass
		Inner 1RB Left	23.75	/	/	24.71	/	/	<=30	Pass
		Inner 1RB Right	23.69	/	/	24.65	/	/	<=30	Pass
	3930	Edge 1RB Left	22.82	/	/	23.78	/	/	<=30	Pass
		Edge 1RB Right	23.39	/	/	24.35	/	/	<=30	Pass
		Outer Full	23.09	/	/	24.05	/	/	<=30	Pass
		Inner Full	23.51	/	/	24.47	/	/	<=30	Pass
		Inner 1RB Left	23.25	/	/	24.21	/	/	<=30	Pass
DFT-s-OFDM QPSK	3750	Edge 1RB Left	22.34	/	/	23.30	/	/	<=30	Pass
		Edge 1RB Right	22.90	/	/	23.86	/	/	<=30	Pass
		Outer Full	22.60	/	/	23.56	/	/	<=30	Pass
		Inner Full	23.57	/	/	24.53	/	/	<=30	Pass
		Inner 1RB Left	23.38	/	/	24.34	/	/	<=30	Pass
		Inner 1RB Right	23.82	/	/	24.78	/	/	<=30	Pass
	3840	Edge 1RB Left	22.79	/	/	23.75	/	/	<=30	Pass
		Edge 1RB Right	22.71	/	/	23.67	/	/	<=30	Pass
		Outer Full	22.61	/	/	23.57	/	/	<=30	Pass
		Inner Full	23.52	/	/	24.48	/	/	<=30	Pass
		Inner 1RB Left	23.75	/	/	24.71	/	/	<=30	Pass
		Inner 1RB Right	23.66	/	/	24.62	/	/	<=30	Pass
	3930	Edge 1RB Left	22.29	/	/	23.25	/	/	<=30	Pass
		Edge 1RB Right	22.92	/	/	23.88	/	/	<=30	Pass
		Outer Full	22.64	/	/	23.60	/	/	<=30	Pass
		Inner Full	23.53	/	/	24.49	/	/	<=30	Pass
		Inner 1RB Left	23.24	/	/	24.20	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3750	Edge 1RB Left	21.16	/	/	22.12	/	/	<=30	Pass
		Edge 1RB Right	21.69	/	/	22.65	/	/	<=30	Pass
		Outer Full	21.63	/	/	22.59	/	/	<=30	Pass
		Inner Full	22.58	/	/	23.54	/	/	<=30	Pass
		Inner 1RB Left	22.20	/	/	23.16	/	/	<=30	Pass
		Inner 1RB Right	22.64	/	/	23.60	/	/	<=30	Pass
	3840	Edge 1RB Left	21.67	/	/	22.63	/	/	<=30	Pass
		Edge 1RB Right	21.53	/	/	22.49	/	/	<=30	Pass
		Outer Full	21.60	/	/	22.56	/	/	<=30	Pass
		Inner Full	22.56	/	/	23.52	/	/	<=30	Pass
		Inner 1RB Left	22.61	/	/	23.57	/	/	<=30	Pass
		Inner 1RB Right	22.62	/	/	23.58	/	/	<=30	Pass
	3930	Edge 1RB Left	21.04	/	/	22.00	/	/	<=30	Pass
		Edge 1RB Right	21.72	/	/	22.68	/	/	<=30	Pass
		Outer Full	21.68	/	/	22.64	/	/	<=30	Pass
		Inner Full	22.53	/	/	23.49	/	/	<=30	Pass
		Inner 1RB Left	22.20	/	/	23.16	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3750	Inner 1RB Right	22.76	/	/	23.72	/	/	<=30	Pass
		Edge 1RB Left	21.23	/	/	22.19	/	/	<=30	Pass
		Edge 1RB Right	21.67	/	/	22.63	/	/	<=30	Pass

		Outer_Full	21.17	/	/	22.13	/	/	<=30	Pass
		Inner_Full	21.15	/	/	22.11	/	/	<=30	Pass
		Inner_1RB_Left	21.24	/	/	22.20	/	/	<=30	Pass
		Inner_1RB_Right	21.71	/	/	22.67	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.50	/	/	22.46	/	/	<=30	Pass
		Edge_1RB_Right	21.37	/	/	22.33	/	/	<=30	Pass
		Outer_Full	21.11	/	/	22.07	/	/	<=30	Pass
		Inner_Full	21.07	/	/	22.03	/	/	<=30	Pass
		Inner_1RB_Left	21.48	/	/	22.44	/	/	<=30	Pass
		Inner_1RB_Right	21.41	/	/	22.37	/	/	<=30	Pass
	3930	Edge_1RB_Left	20.92	/	/	21.88	/	/	<=30	Pass
		Edge_1RB_Right	21.61	/	/	22.57	/	/	<=30	Pass
		Outer_Full	21.18	/	/	22.14	/	/	<=30	Pass
		Inner_Full	21.07	/	/	22.03	/	/	<=30	Pass
		Inner_1RB_Left	20.98	/	/	21.94	/	/	<=30	Pass
		Inner_1RB_Right	21.54	/	/	22.50	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3750	Edge_1RB_Left	18.92	/	/	19.88	/	/	<=30	Pass
		Edge_1RB_Right	19.47	/	/	20.43	/	/	<=30	Pass
		Outer_Full	19.21	/	/	20.17	/	/	<=30	Pass
		Inner_Full	19.21	/	/	20.17	/	/	<=30	Pass
		Inner_1RB_Left	18.99	/	/	19.95	/	/	<=30	Pass
		Inner_1RB_Right	19.49	/	/	20.45	/	/	<=30	Pass
	3840	Edge_1RB_Left	19.35	/	/	20.31	/	/	<=30	Pass
		Edge_1RB_Right	19.26	/	/	20.22	/	/	<=30	Pass
		Outer_Full	19.15	/	/	20.11	/	/	<=30	Pass
		Inner_Full	19.09	/	/	20.05	/	/	<=30	Pass
		Inner_1RB_Left	19.35	/	/	20.31	/	/	<=30	Pass
		Inner_1RB_Right	19.28	/	/	20.24	/	/	<=30	Pass
	3930	Edge_1RB_Left	18.83	/	/	19.79	/	/	<=30	Pass
		Edge_1RB_Right	19.41	/	/	20.37	/	/	<=30	Pass
		Outer_Full	19.22	/	/	20.18	/	/	<=30	Pass
		Inner_Full	19.16	/	/	20.12	/	/	<=30	Pass
		Inner_1RB_Left	18.87	/	/	19.83	/	/	<=30	Pass
		Inner_1RB_Right	19.39	/	/	20.35	/	/	<=30	Pass
CP-OFDM QPSK	3750	Edge_1RB_Left	20.41	/	/	21.37	/	/	<=30	Pass
		Edge_1RB_Right	20.87	/	/	21.83	/	/	<=30	Pass
		Outer_Full	20.63	/	/	21.59	/	/	<=30	Pass
		Inner_Full	22.13	/	/	23.09	/	/	<=30	Pass
		Inner_1RB_Left	21.88	/	/	22.84	/	/	<=30	Pass
		Inner_1RB_Right	22.36	/	/	23.32	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.70	/	/	21.66	/	/	<=30	Pass
		Edge_1RB_Right	20.79	/	/	21.75	/	/	<=30	Pass
		Outer_Full	20.60	/	/	21.56	/	/	<=30	Pass
		Inner_Full	21.97	/	/	22.93	/	/	<=30	Pass
		Inner_1RB_Left	22.37	/	/	23.33	/	/	<=30	Pass
		Inner_1RB_Right	22.31	/	/	23.27	/	/	<=30	Pass
	3930	Edge_1RB_Left	20.19	/	/	21.15	/	/	<=30	Pass
		Edge_1RB_Right	20.84	/	/	21.80	/	/	<=30	Pass
		Outer_Full	20.61	/	/	21.57	/	/	<=30	Pass
		Inner_Full	22.03	/	/	22.99	/	/	<=30	Pass
		Inner_1RB_Left	21.97	/	/	22.93	/	/	<=30	Pass
		Inner_1RB_Right	22.45	/	/	23.41	/	/	<=30	Pass
CP-OFDM 16 QAM	3750	Edge_1RB_Left	20.29	/	/	21.25	/	/	<=30	Pass
		Edge_1RB_Right	20.80	/	/	21.76	/	/	<=30	Pass
		Outer_Full	20.68	/	/	21.64	/	/	<=30	Pass
		Inner_Full	21.63	/	/	22.59	/	/	<=30	Pass
		Inner_1RB_Left	21.12	/	/	22.08	/	/	<=30	Pass
		Inner_1RB_Right	21.70	/	/	22.66	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.57	/	/	21.53	/	/	<=30	Pass

		Edge_1RB_Right	20.43	/	/	21.39	/	/	<=30	Pass
		Outer_Full	20.58	/	/	21.54	/	/	<=30	Pass
		Inner_Full	21.54	/	/	22.50	/	/	<=30	Pass
		Inner_1RB_Left	21.50	/	/	22.46	/	/	<=30	Pass
		Inner_1RB_Right	21.41	/	/	22.37	/	/	<=30	Pass
	3930	Edge_1RB_Left	20.15	/	/	21.11	/	/	<=30	Pass
		Edge_1RB_Right	20.77	/	/	21.73	/	/	<=30	Pass
		Outer_Full	20.61	/	/	21.57	/	/	<=30	Pass
		Inner_Full	21.55	/	/	22.51	/	/	<=30	Pass
		Inner_1RB_Left	21.11	/	/	22.07	/	/	<=30	Pass
	Inner_1RB_Right	21.66	/	/	22.62	/	/	<=30	Pass	
CP-OFDM 64 QAM	3750	Edge_1RB_Left	20.18	/	/	21.14	/	/	<=30	Pass
		Edge_1RB_Right	20.77	/	/	21.73	/	/	<=30	Pass
		Outer_Full	20.19	/	/	21.15	/	/	<=30	Pass
		Inner_Full	20.18	/	/	21.14	/	/	<=30	Pass
		Inner_1RB_Left	20.12	/	/	21.08	/	/	<=30	Pass
		Inner_1RB_Right	20.64	/	/	21.60	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.47	/	/	21.43	/	/	<=30	Pass
		Edge_1RB_Right	20.47	/	/	21.43	/	/	<=30	Pass
		Outer_Full	20.12	/	/	21.08	/	/	<=30	Pass
		Inner_Full	20.00	/	/	20.96	/	/	<=30	Pass
		Inner_1RB_Left	20.50	/	/	21.46	/	/	<=30	Pass
		Inner_1RB_Right	20.39	/	/	21.35	/	/	<=30	Pass
	3930	Edge_1RB_Left	19.99	/	/	20.95	/	/	<=30	Pass
		Edge_1RB_Right	20.65	/	/	21.61	/	/	<=30	Pass
		Outer_Full	20.13	/	/	21.09	/	/	<=30	Pass
Inner_Full		20.08	/	/	21.04	/	/	<=30	Pass	
Inner_1RB_Left		20.07	/	/	21.03	/	/	<=30	Pass	
	Inner_1RB_Right	20.62	/	/	21.58	/	/	<=30	Pass	
CP-OFDM 256 QAM	3750	Edge_1RB_Left	17.01	/	/	17.97	/	/	<=30	Pass
		Edge_1RB_Right	17.57	/	/	18.53	/	/	<=30	Pass
		Outer_Full	17.29	/	/	18.25	/	/	<=30	Pass
		Inner_Full	17.25	/	/	18.21	/	/	<=30	Pass
		Inner_1RB_Left	17.10	/	/	18.06	/	/	<=30	Pass
		Inner_1RB_Right	17.64	/	/	18.60	/	/	<=30	Pass
	3840	Edge_1RB_Left	17.43	/	/	18.39	/	/	<=30	Pass
		Edge_1RB_Right	17.38	/	/	18.34	/	/	<=30	Pass
		Outer_Full	17.10	/	/	18.06	/	/	<=30	Pass
		Inner_Full	17.10	/	/	18.06	/	/	<=30	Pass
		Inner_1RB_Left	17.47	/	/	18.43	/	/	<=30	Pass
		Inner_1RB_Right	17.37	/	/	18.33	/	/	<=30	Pass
	3930	Edge_1RB_Left	16.89	/	/	17.85	/	/	<=30	Pass
		Edge_1RB_Right	17.55	/	/	18.51	/	/	<=30	Pass
		Outer_Full	17.16	/	/	18.12	/	/	<=30	Pass
Inner_Full		17.12	/	/	18.08	/	/	<=30	Pass	
Inner_1RB_Left		16.97	/	/	17.93	/	/	<=30	Pass	
	Inner_1RB_Right	17.48	/	/	18.44	/	/	<=30	Pass	
Note1: Antenna Gain: Ant11: 0.96dBi; Note2: EIRP=Conducted Power+Antenna Gain										

2. Frequency Stability

2.1 Test Result

2.1.1 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	-7.80	-0.0020	>=-2.5 & <=2.5	Pass
				HV	-6.20	-0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	-8.40	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-6.30	-0.0016	>=-2.5 & <=2.5	Pass
			-10	NV	-5.70	-0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-7.80	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-6.60	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-8.70	-0.0023	>=-2.5 & <=2.5	Pass
			30	NV	-6.60	-0.0017	>=-2.5 & <=2.5	Pass
			40	NV	-8.00	-0.0021	>=-2.5 & <=2.5	Pass
			50	NV	-6.40	-0.0017	>=-2.5 & <=2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 30k_SISO_10MHz_NTNV

5G NR n77a SCS=30kHz SISO 10MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3840	Outer_Full	8.71	9.41	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	8.65	9.29	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	8.67	9.50	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	8.68	9.39	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	8.66	9.30	/	Pass
CP-OFDM QPSK	3840	Outer_Full	8.75	9.34	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	8.62	9.24	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	8.63	10.97	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	8.69	9.28	/	Pass

3.1.2 30k_SISO_15MHz_NTNV

5G NR n77a SCS=30kHz SISO 15MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3840	Outer_Full	13.03	14.03	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	12.98	13.98	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	13.02	13.96	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	13.16	14.05	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	12.93	13.99	/	Pass
CP-OFDM QPSK	3840	Outer_Full	13.69	14.65	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	13.64	14.85	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	13.78	14.85	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	13.79	14.53	/	Pass

3.1.3 30k_SISO_20MHz_NTNV

5G NR n77a SCS=30kHz SISO 20MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3840	Outer_Full	18.01	19.37	/	Pass

DFT-s-OFDM QPSK	3840	Outer_Full	18.13	19.22	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	18.14	19.39	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	18.05	19.17	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	18.16	19.42	/	Pass
CP-OFDM QPSK	3840	Outer_Full	18.37	19.59	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	18.34	19.66	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	18.30	19.73	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	18.35	19.66	/	Pass

3.1.4 30k_SISO_25MHz_NTNV

5G NR n77a SCS=30kHz SISO 25MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3840	Outer_Full	23.14	24.69	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	23.18	24.61	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	22.87	24.81	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	23.18	24.61	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	23.16	24.66	/	Pass
CP-OFDM QPSK	3840	Outer_Full	23.27	24.77	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	23.42	25.05	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	23.39	24.97	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	23.30	25.00	/	Pass

3.1.5 30k_SISO_30MHz_NTNV

5G NR n77a SCS=30kHz SISO 30MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3840	Outer_Full	26.99	28.82	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	27.06	28.91	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	27.19	28.70	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	26.86	29.22	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	27.11	29.02	/	Pass
CP-OFDM QPSK	3840	Outer_Full	28.12	29.98	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	28.07	29.90	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	28.13	30.04	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	28.13	30.23	/	Pass

3.1.6 30k_SISO_40MHz_NTNV

5G NR n77a SCS=30kHz SISO 40MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3840	Outer_Full	36.08	38.72	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	35.98	38.39	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	35.91	38.62	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	36.17	38.47	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	36.16	38.40	/	Pass
CP-OFDM QPSK	3840	Outer_Full	38.40	40.65	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	38.18	40.61	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	38.16	40.52	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	38.23	40.66	/	Pass

3.1.7 30k_SISO_50MHz_NTNV

5G NR n77a SCS=30kHz SISO 50MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3840	Outer_Full	46.15	49.13	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	46.27	49.32	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	46.22	49.21	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	45.71	49.21	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	46.17	49.12	/	Pass
CP-OFDM QPSK	3840	Outer_Full	47.92	51.08	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	48.10	51.11	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	47.91	51.01	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	47.78	50.73	/	Pass

3.1.8 30k_SISO_60MHz_NTNV

5G NR n77a SCS=30kHz SISO 60MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3840	Outer_Full	58.51	62.28	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	58.25	62.34	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	58.50	62.02	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	58.24	62.30	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	58.14	62.09	/	Pass
CP-OFDM QPSK	3840	Outer_Full	58.38	62.10	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	58.26	61.94	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	58.34	62.19	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	58.20	62.09	/	Pass

3.1.9 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 PI/2 BPSK	3840	Outer_Full	64.85	69.52	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	65.01	69.67	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	64.76	69.69	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	64.71	69.31	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	64.96	69.67	/	Pass
CP-OFDM QPSK	3840	Outer_Full	67.74	72.49	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	68.18	72.91	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	68.46	72.59	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	68.07	72.55	/	Pass

3.1.10 30k_SISO_80MHz_NTNV

5G NR n77a SCS=30kHz SISO 80MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3840	Outer_Full	77.97	82.75	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	78.11	82.86	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	78.03	82.83	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	77.55	82.74	/	Pass

DFT-s-OFDM 256 QAM	3840	Outer_Full	77.93	82.75	/	Pass
CP-OFDM QPSK	3840	Outer_Full	78.28	83.15	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	78.36	82.75	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	78.20	83.35	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	78.16	82.91	/	Pass

3.1.11 30k_SISO_90MHz_NTNV

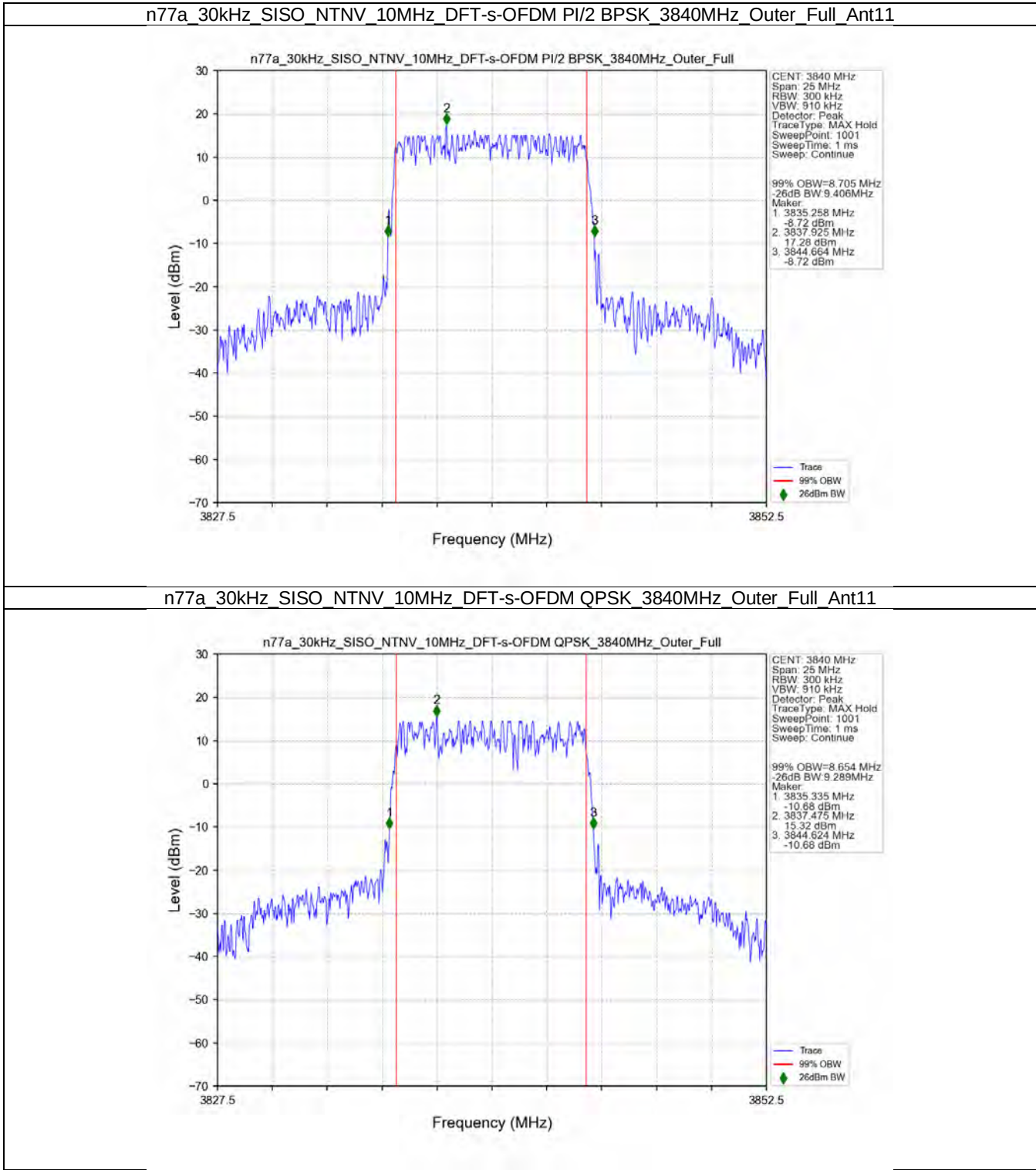
5G NR n77a SCS=30kHz SISO 90MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3840	Outer_Full	87.69	93.12	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	87.41	92.94	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	87.77	93.44	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	87.36	92.71	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	87.59	92.82	/	Pass
CP-OFDM QPSK	3840	Outer_Full	88.26	93.80	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	88.44	93.71	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	88.37	93.58	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	88.41	93.71	/	Pass

3.1.12 30k_SISO_100MHz_NTNV

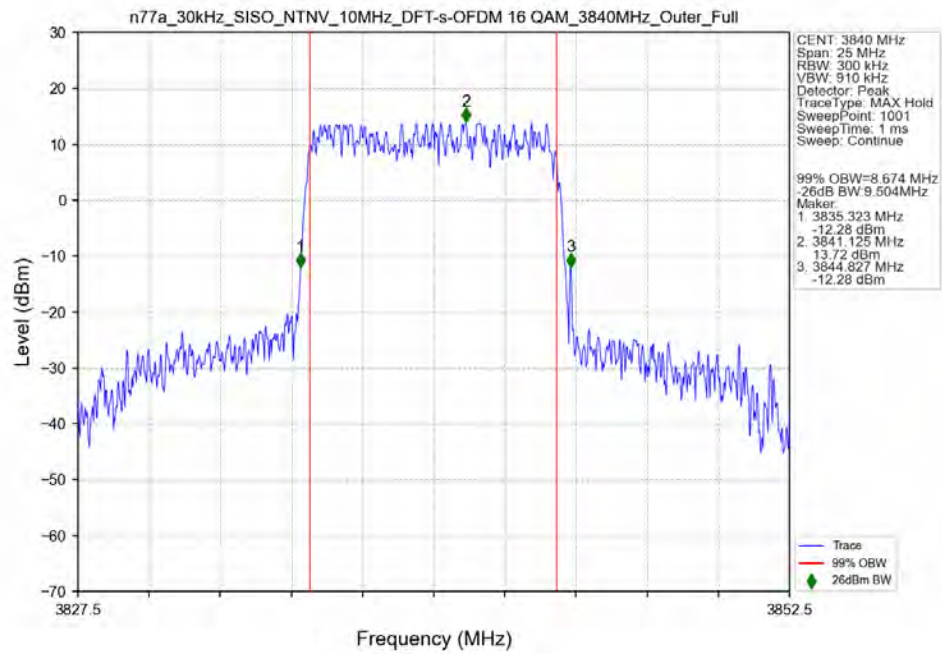
5G NR n77a SCS=30kHz SISO 100MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3840	Outer_Full	97.09	103.68	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	97.17	103.92	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	96.88	103.42	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	96.84	102.97	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	97.08	103.64	/	Pass
CP-OFDM QPSK	3840	Outer_Full	98.54	104.71	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	98.39	104.64	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	98.33	104.93	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	98.25	104.57	/	Pass

3.2 Test Graph

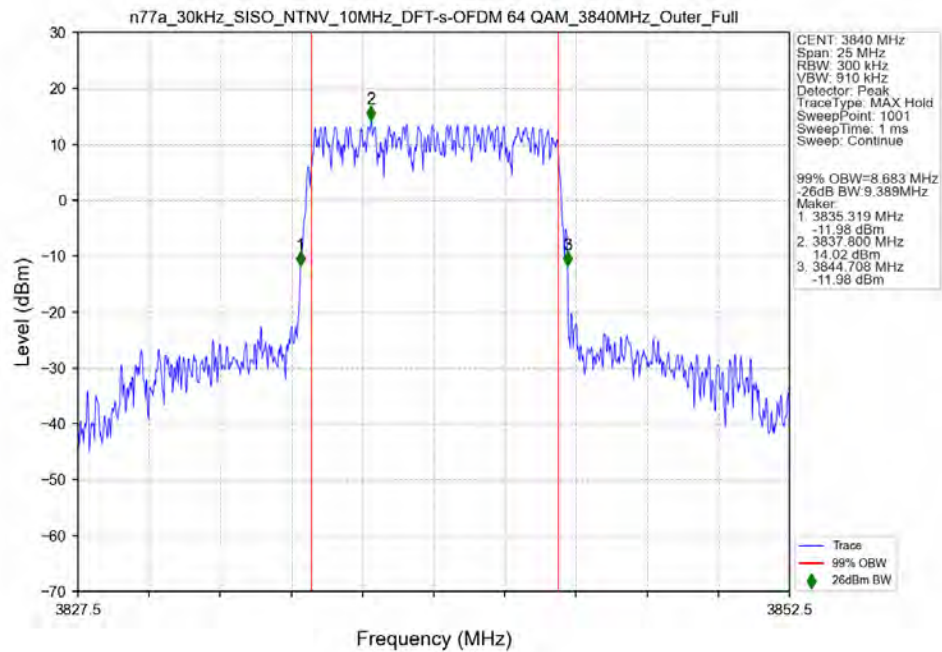
3.2.1 30k_SISO_10MHz_NTNV



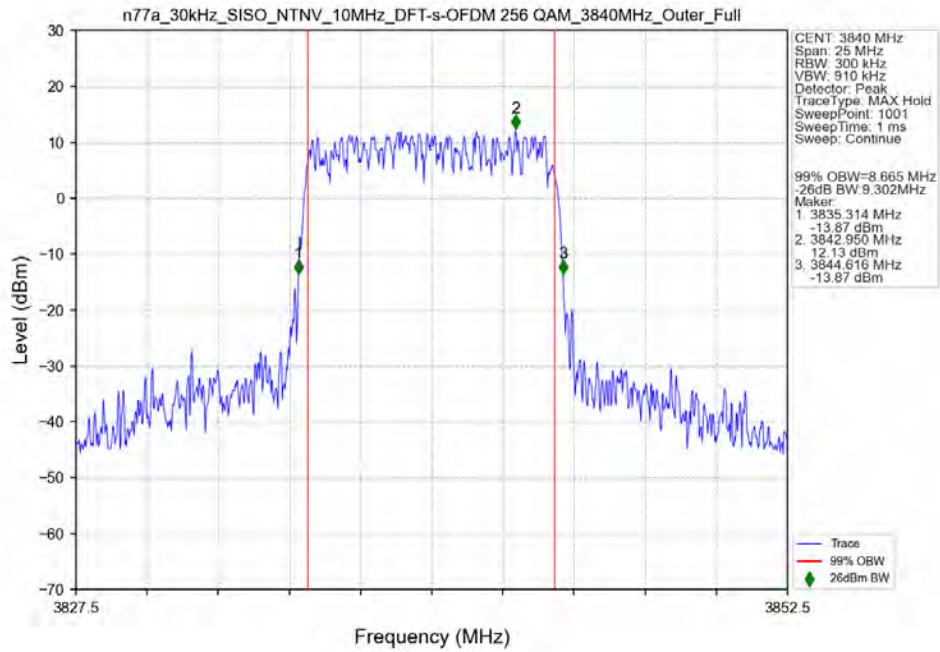
n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_3840MHz_Outer_Full_Ant11



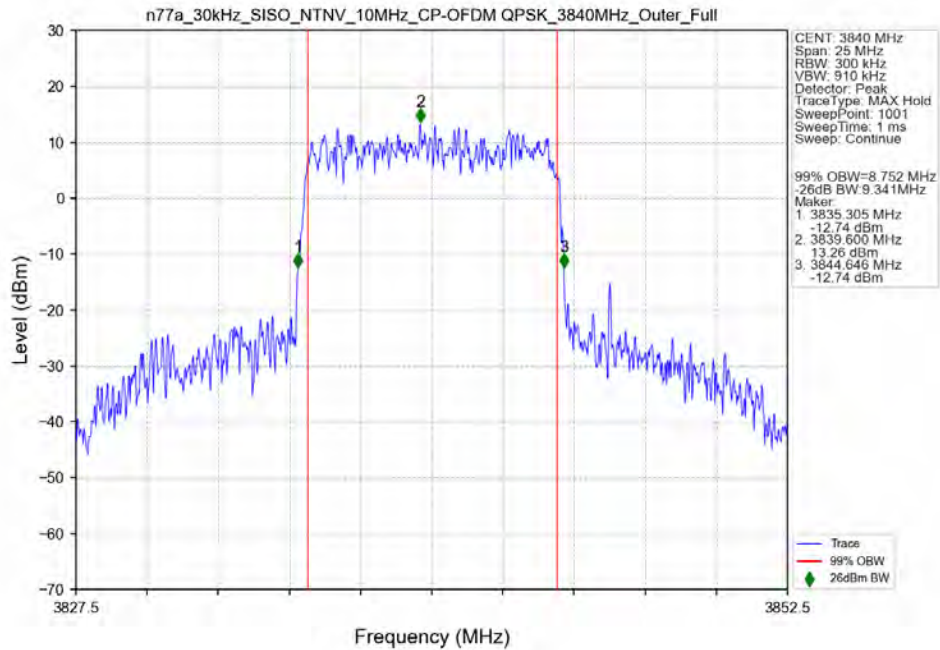
n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_3840MHz_Outer_Full_Ant11



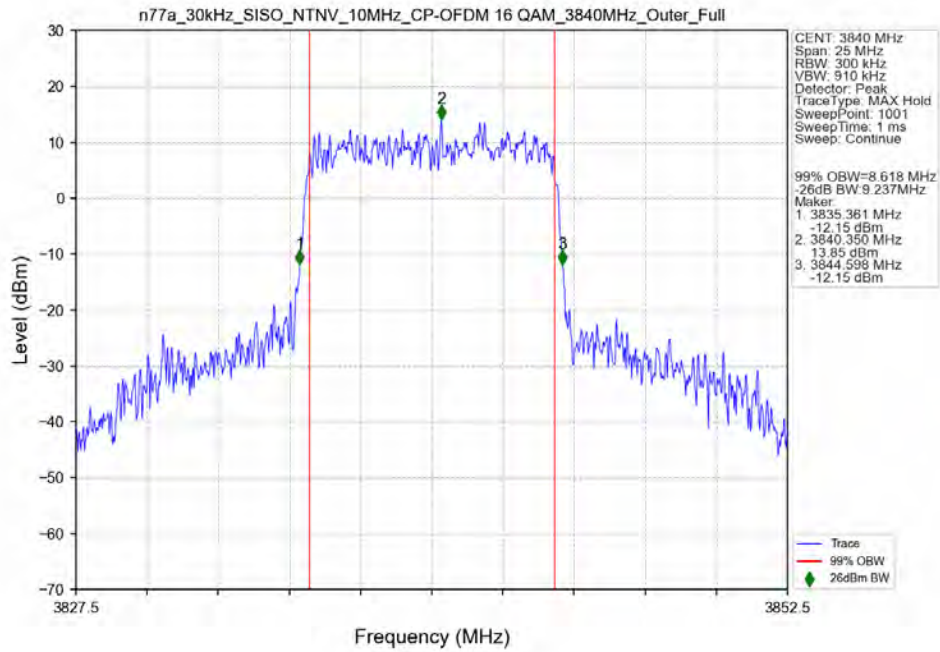
n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_3840MHz_Outer_Full_Ant11



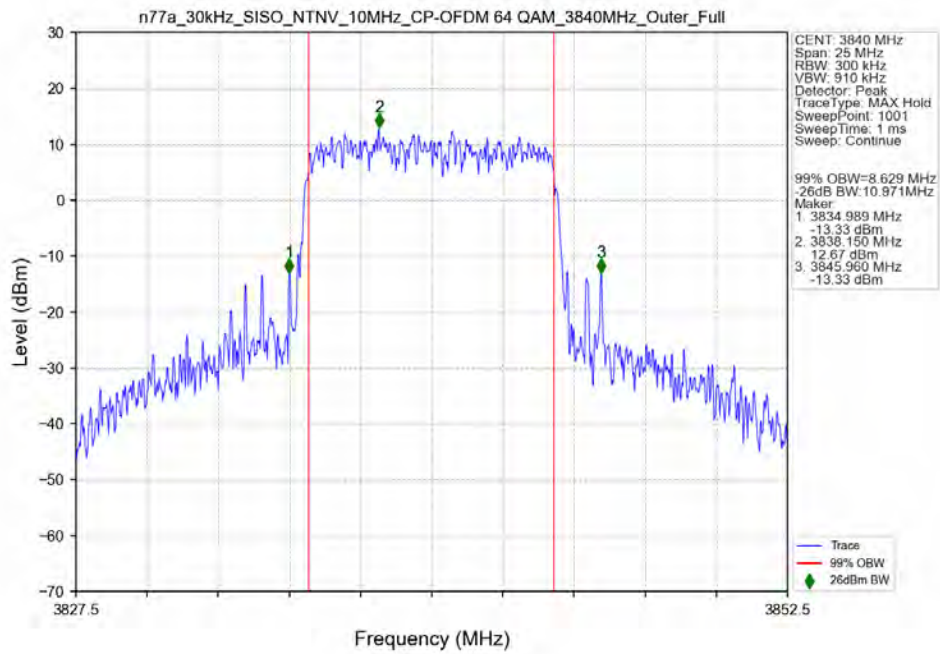
n77a_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3840MHz_Outer_Full_Ant11



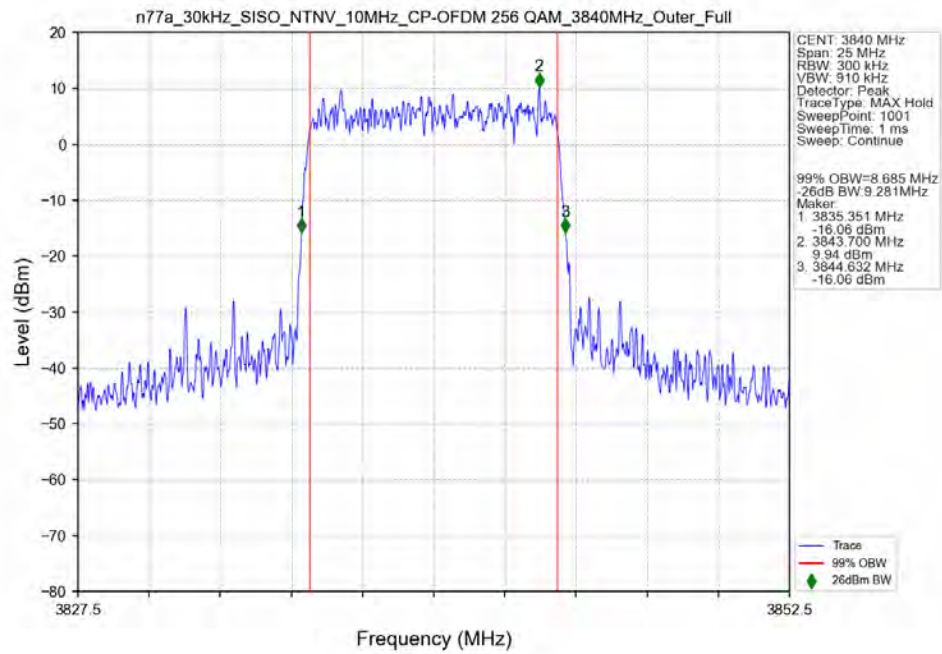
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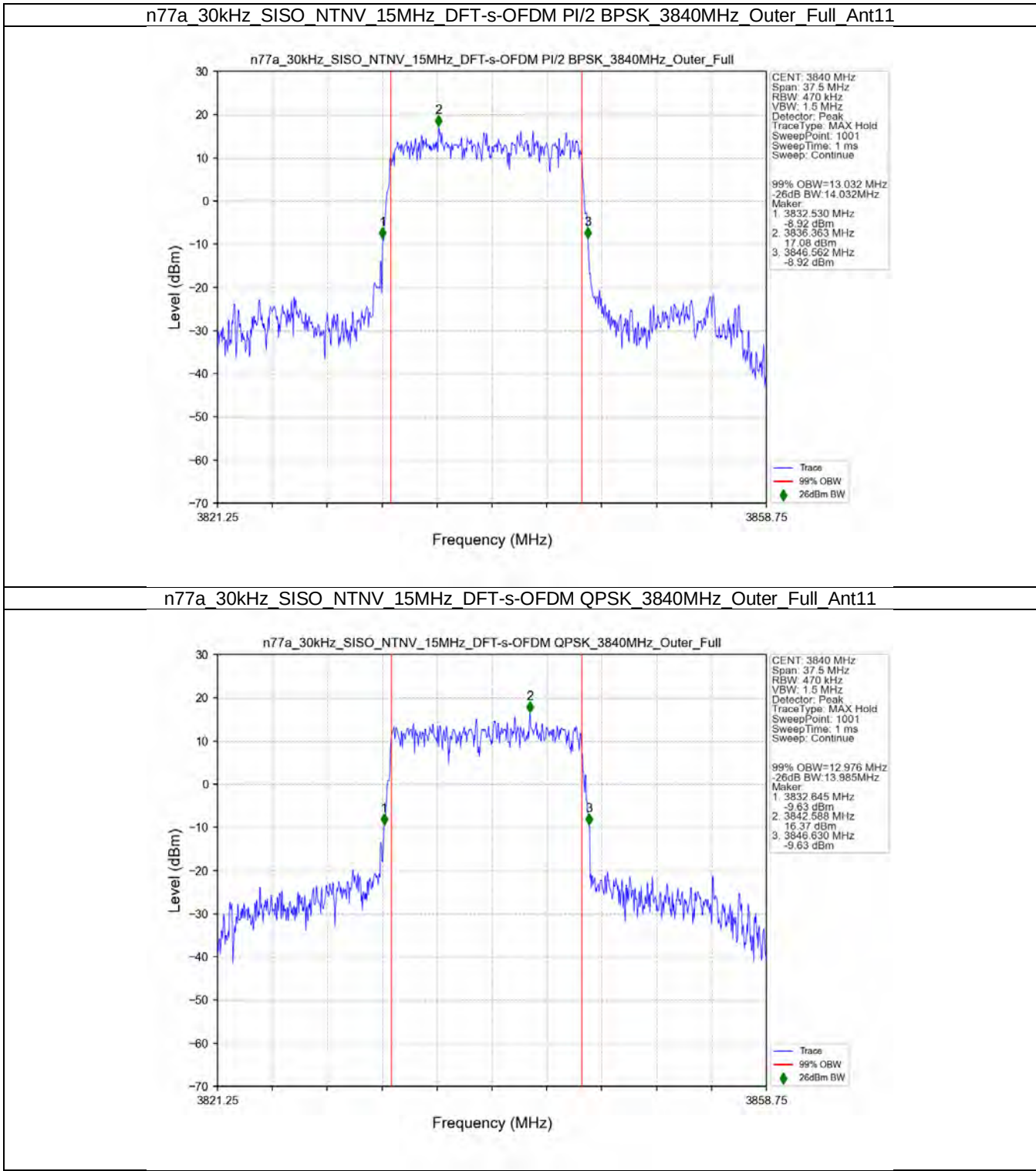
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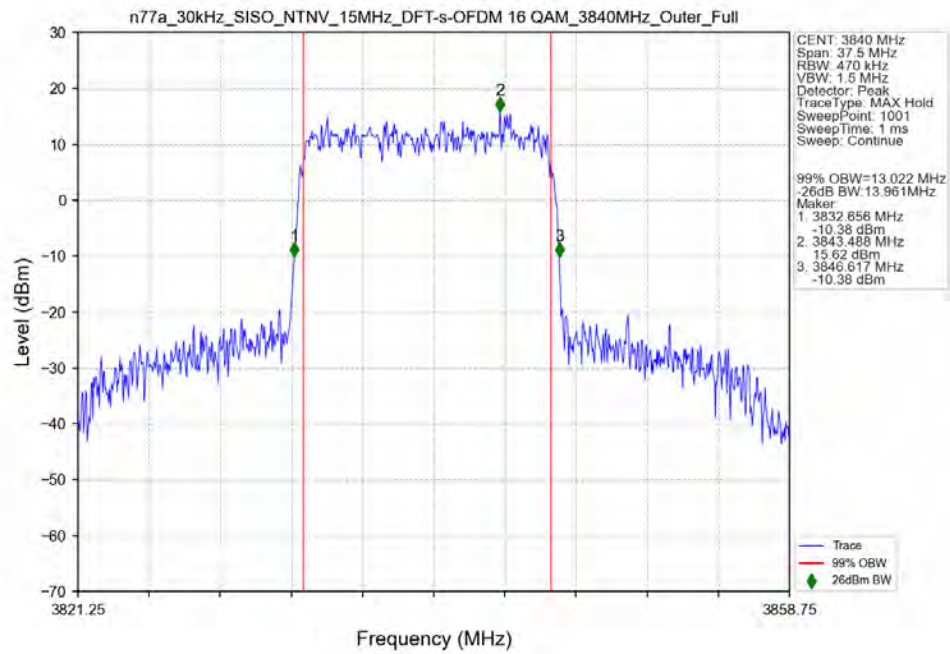
n77a_30kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_3840MHz_Outer_Full_Ant11



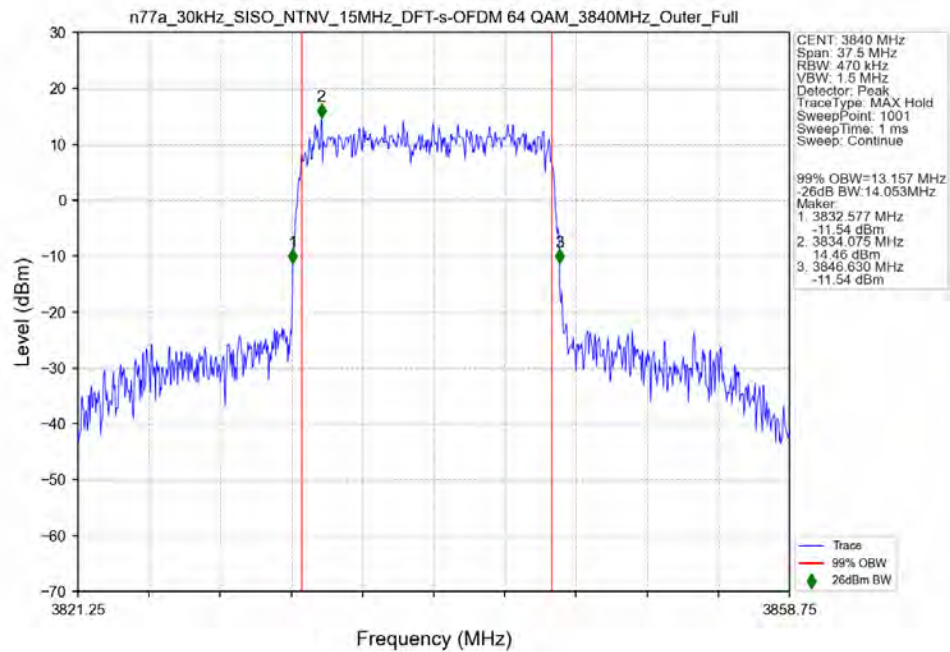
3.2.2 30k_SISO_15MHz_NTNV



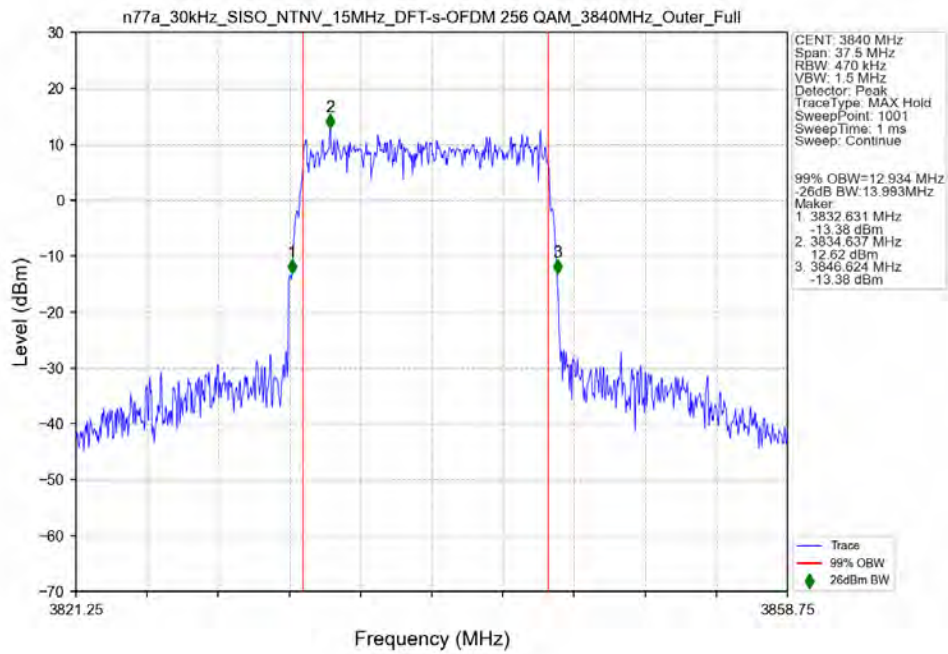
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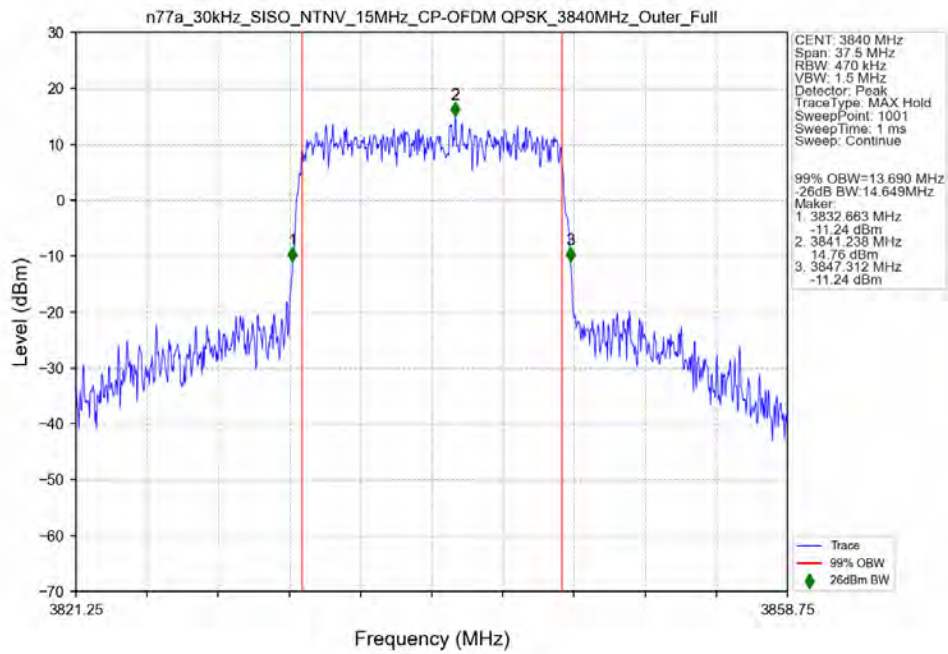
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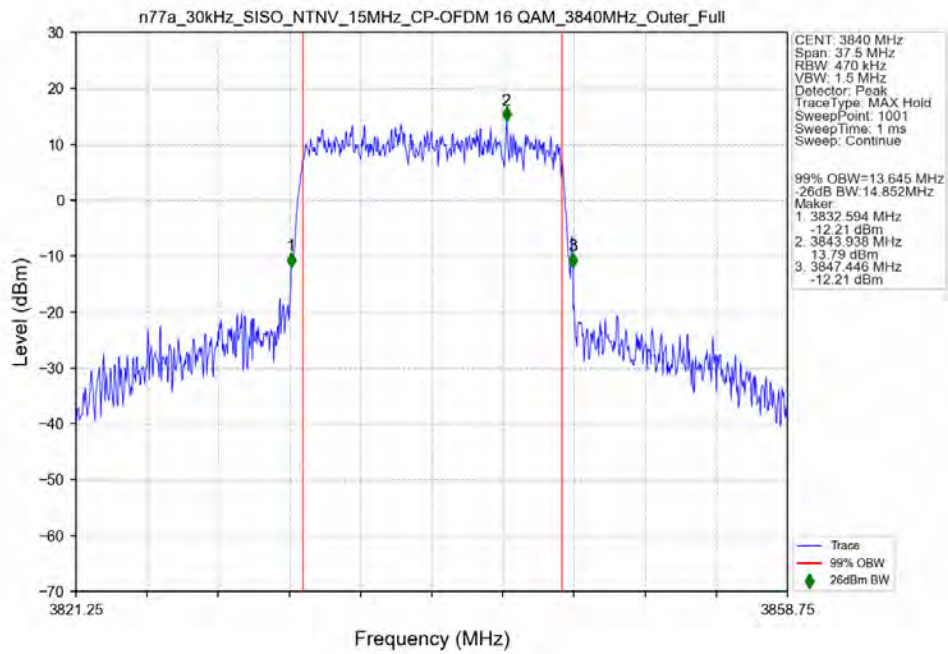
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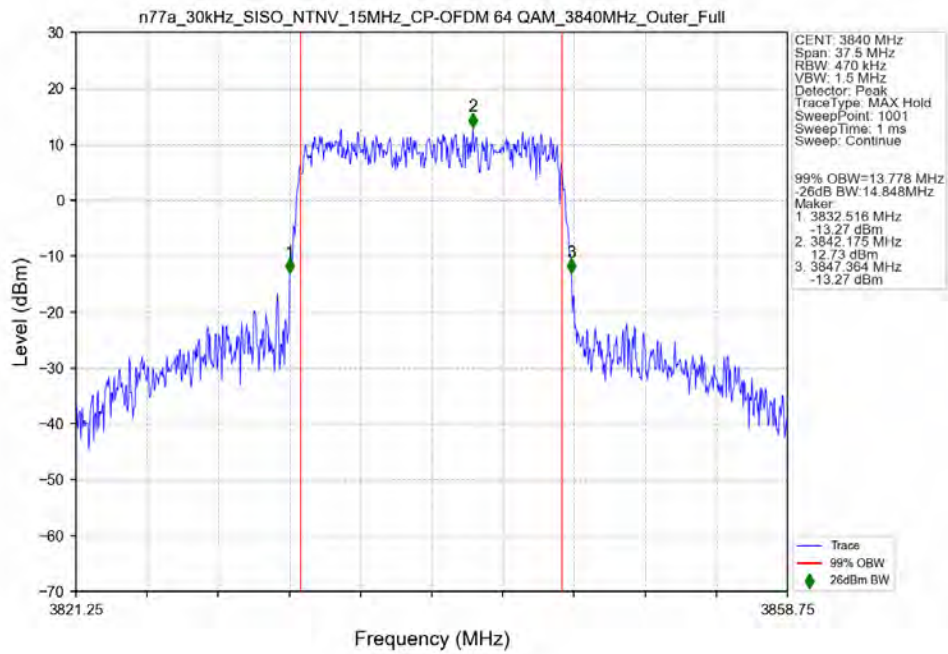
n77a_30kHz_SISO_NTNV_15MHz_CP-OFDM_QPSK_3840MHz_Outer_Full_Ant11



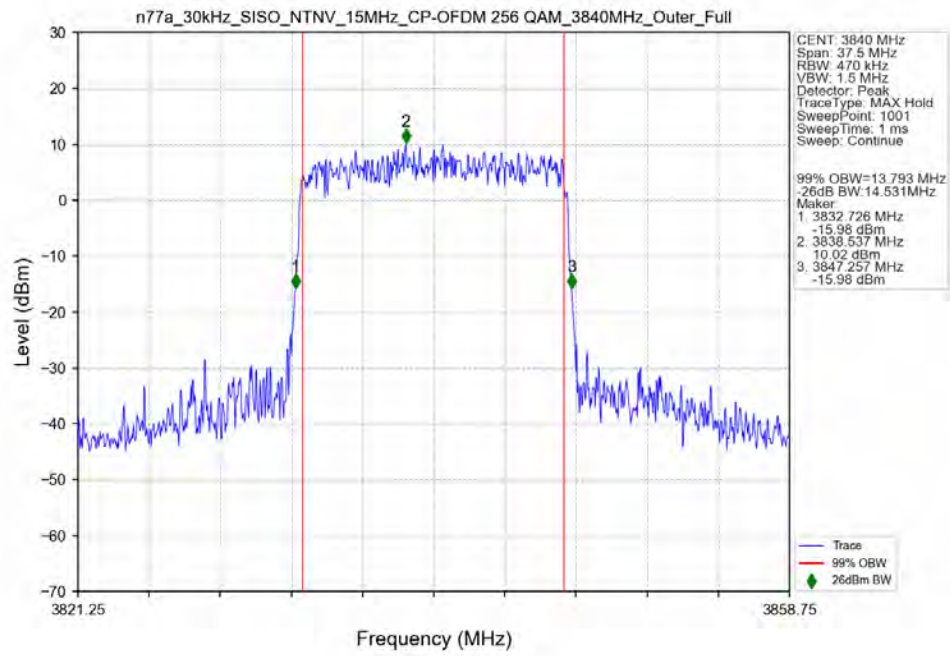
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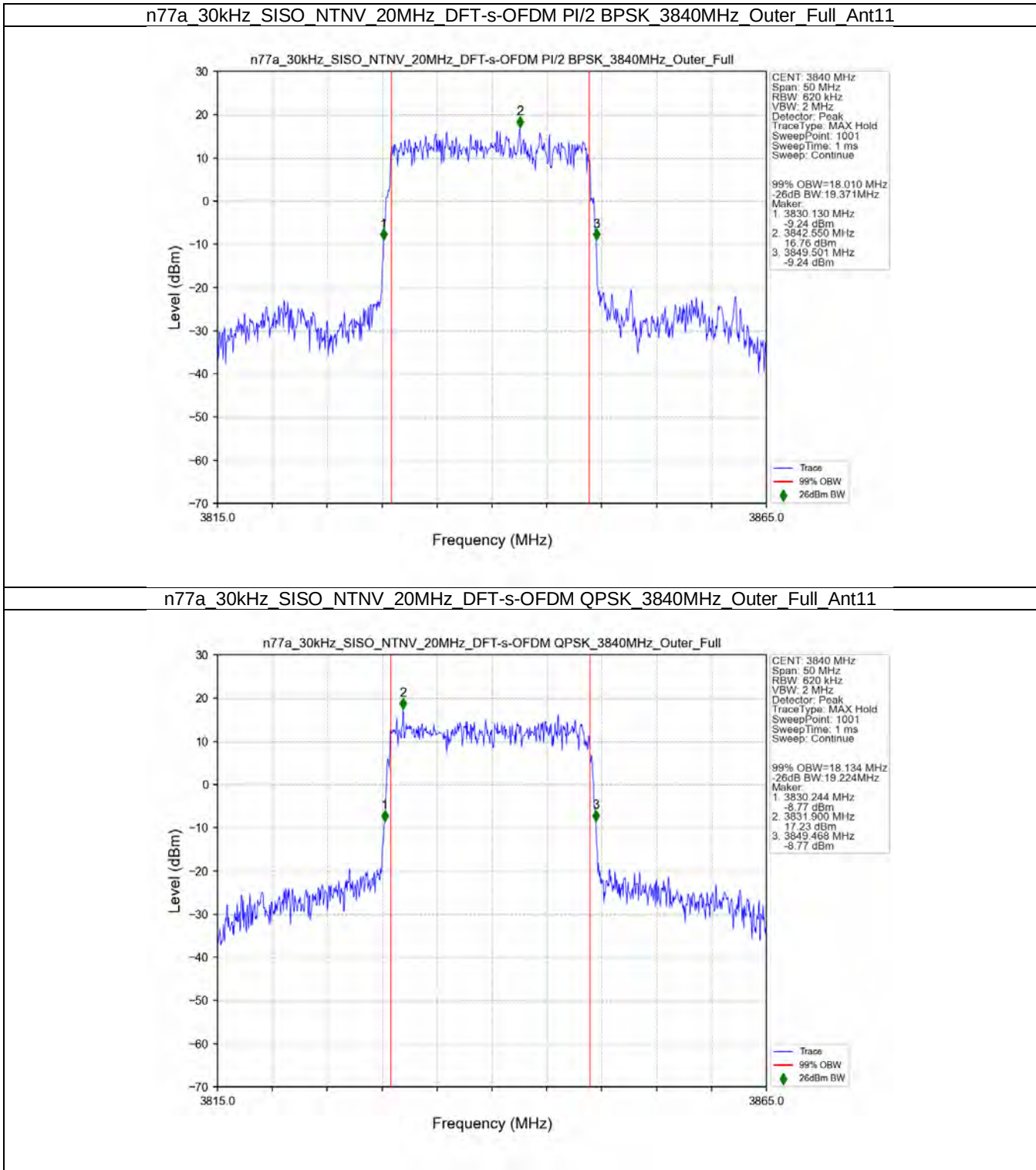
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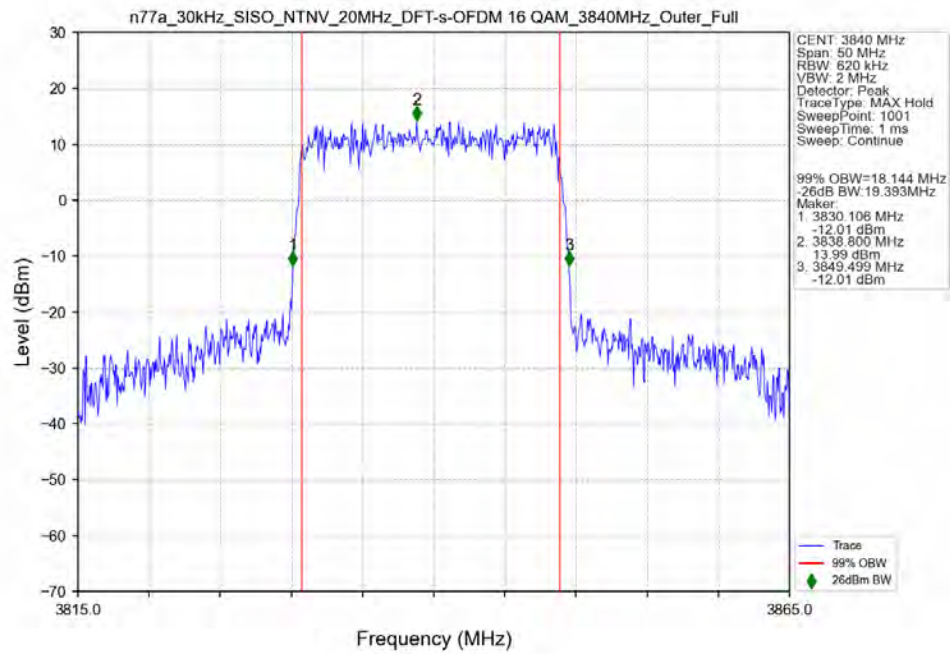
n77a_30kHz_SISO_NTNV_15MHz_CP-OFDM_256_QAM_3840MHz_Outer_Full_Ant11



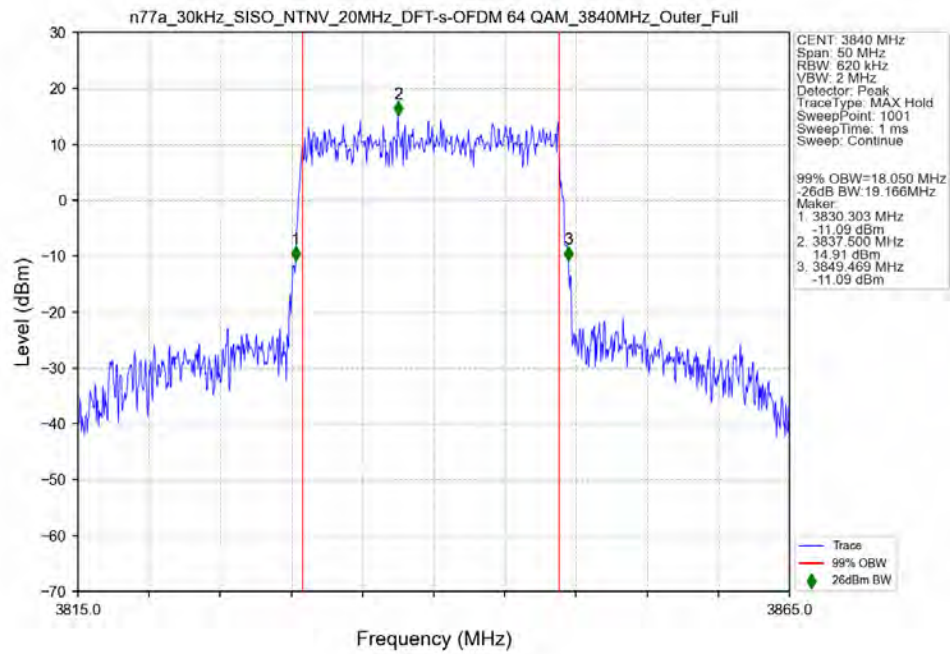
3.2.3 30k_SISO_20MHz_NTNV



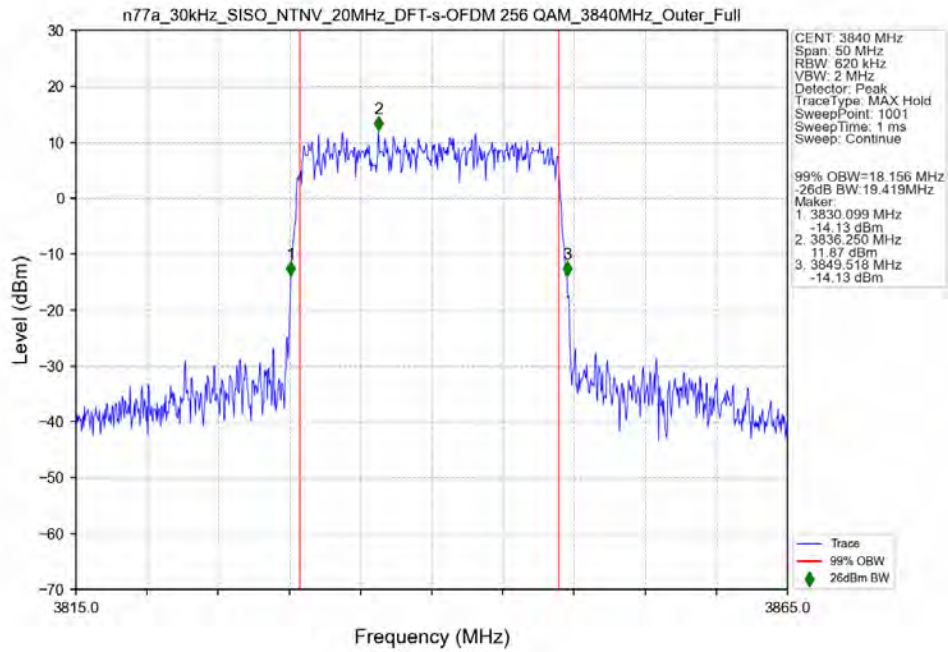
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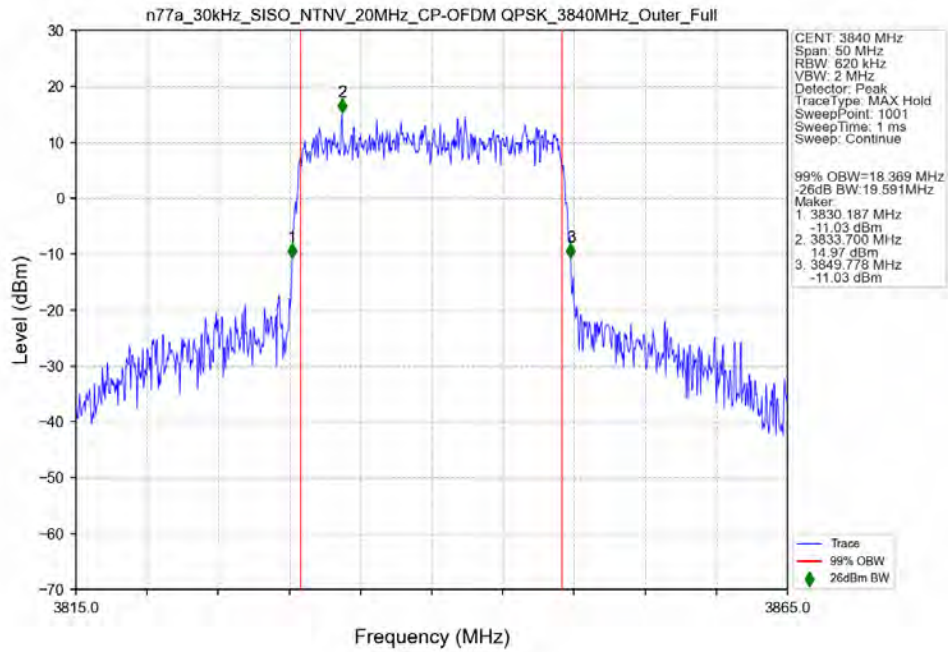
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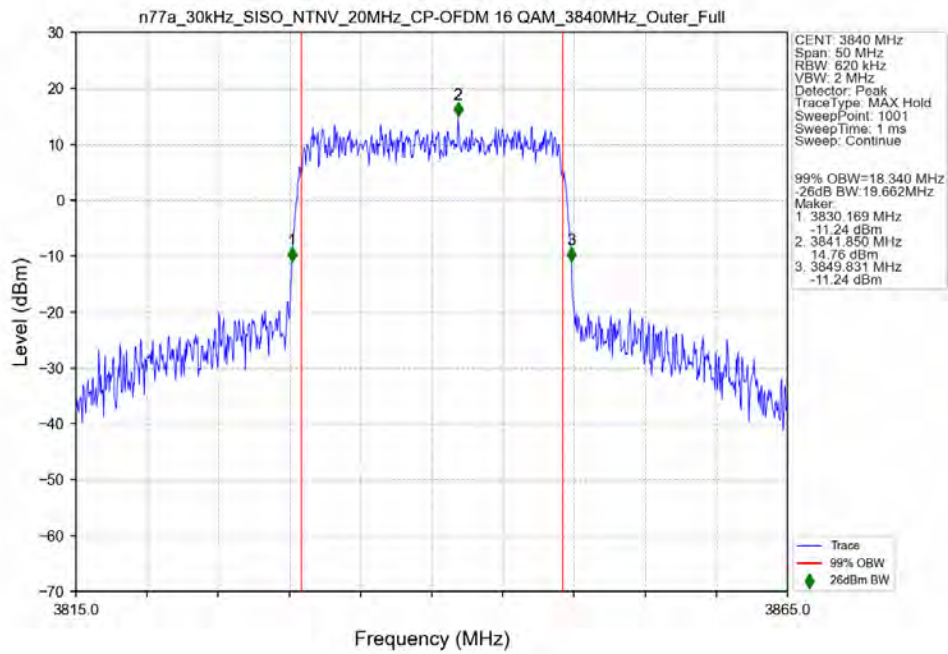
n77a_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_3840MHz_Outer_Full_Ant11



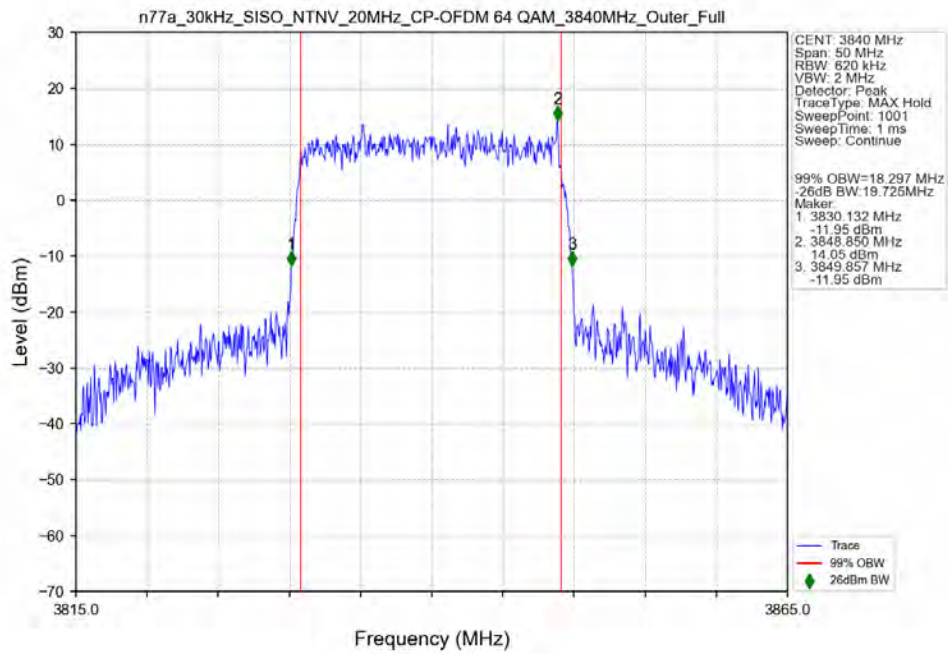
n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_3840MHz_Outer_Full_Ant11



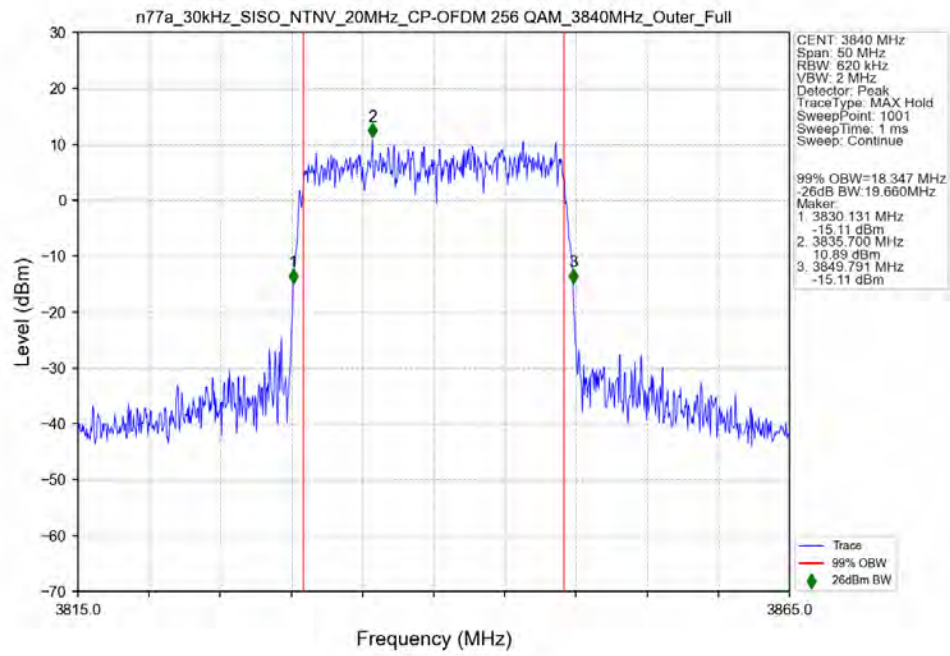
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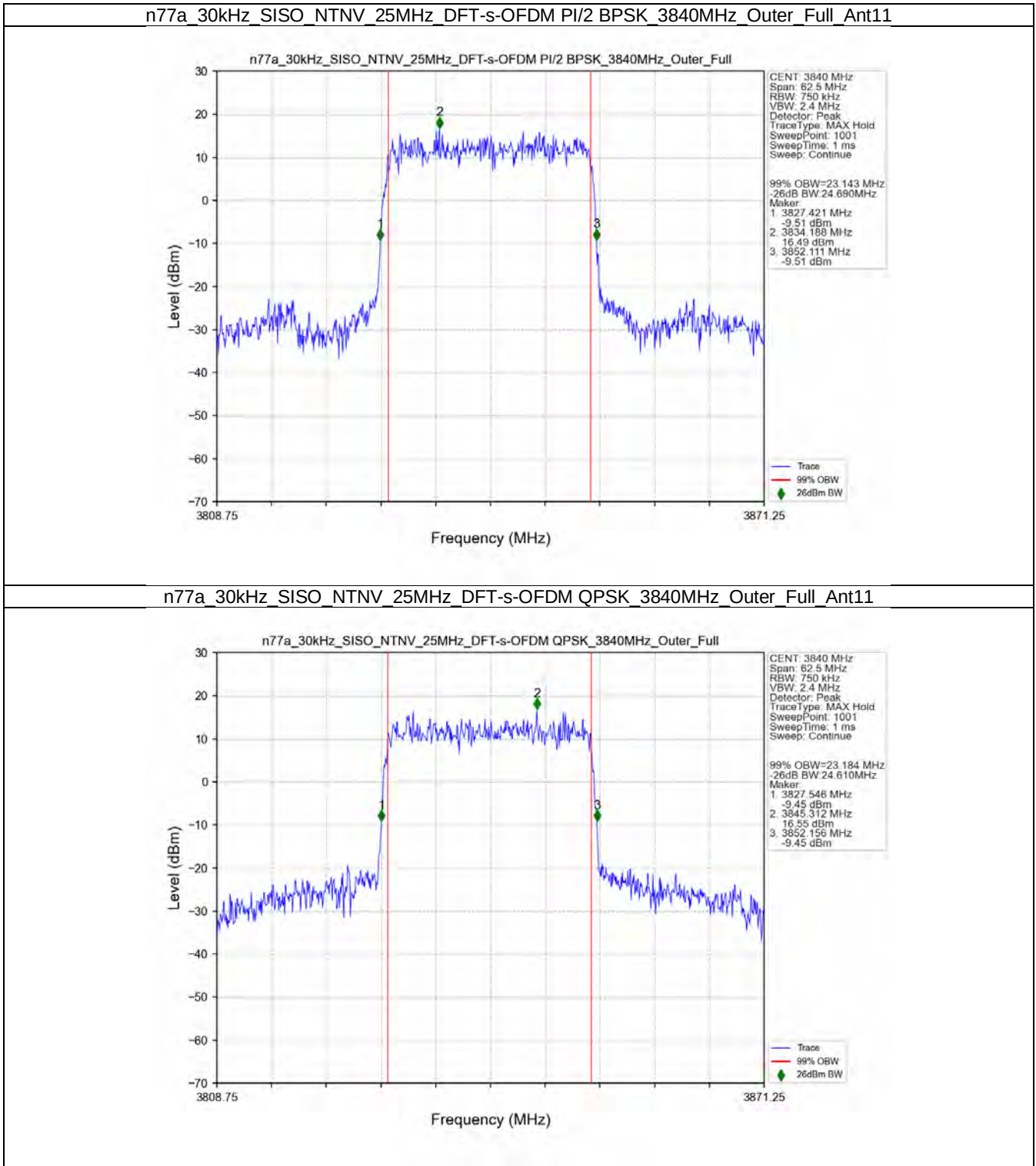
n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM_64_QAM_3840MHz_Outer_Full_Ant11



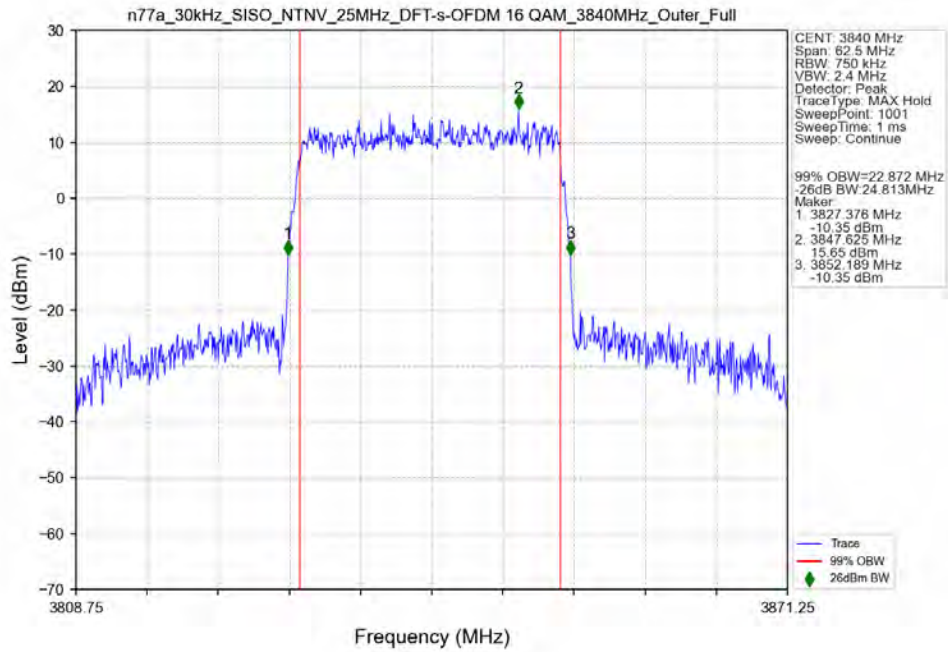
n77a_30kHz_SISO_NTNV_20MHz_CP-OFDM_256_QAM_3840MHz_Outer_Full_Ant11



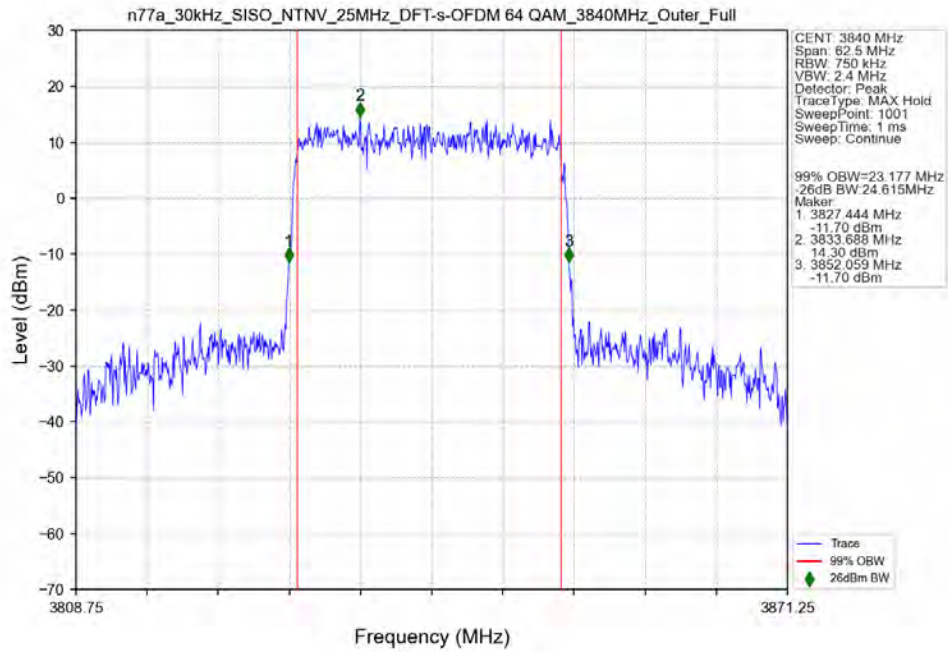
3.2.4 30k_SISO_25MHz_NTNV



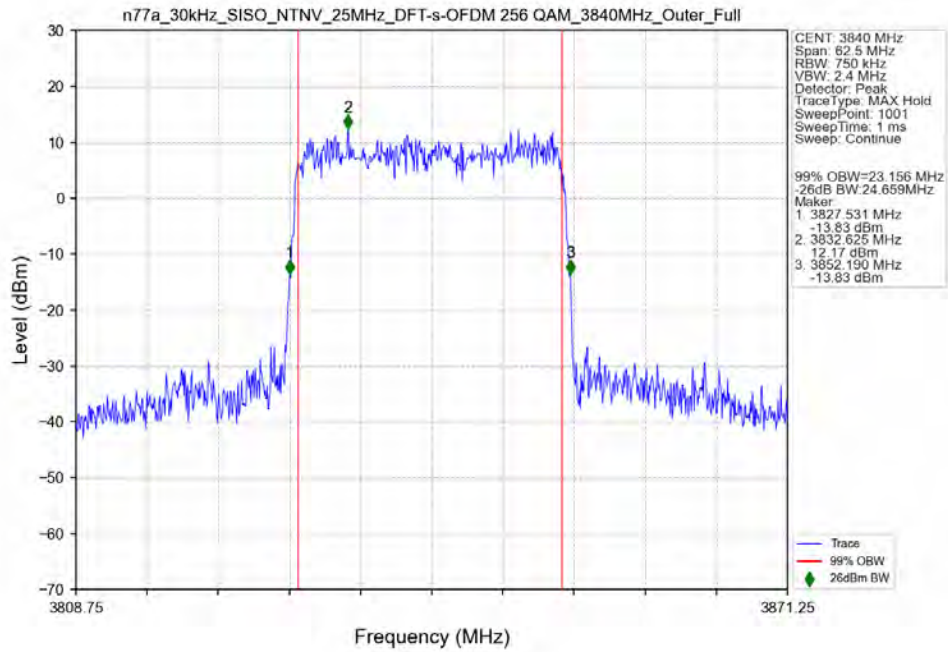
n77a_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM_16_QAM_3840MHz_Outer_Full_Ant11



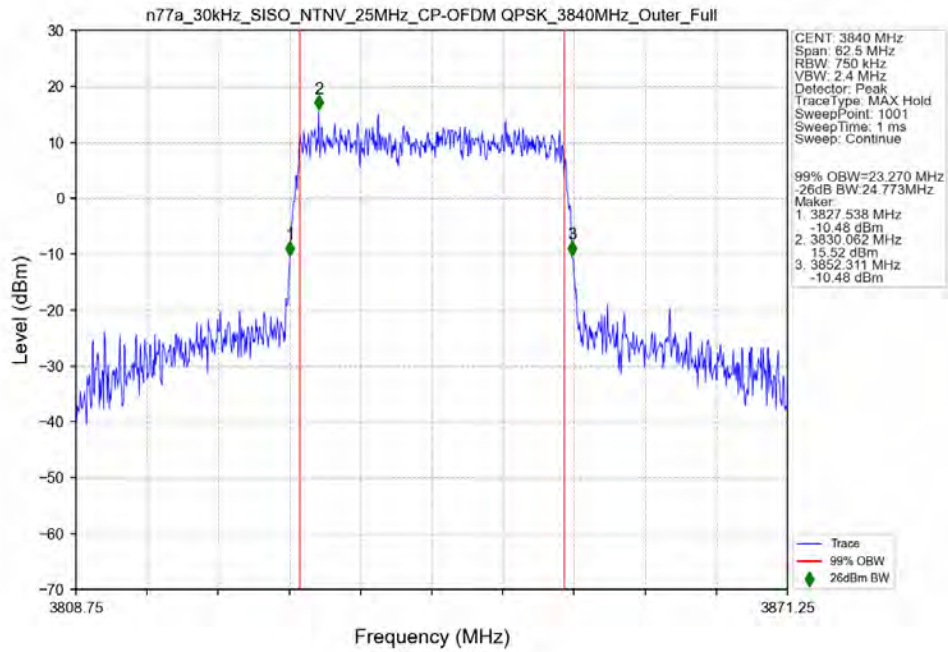
n77a_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM_64_QAM_3840MHz_Outer_Full_Ant11



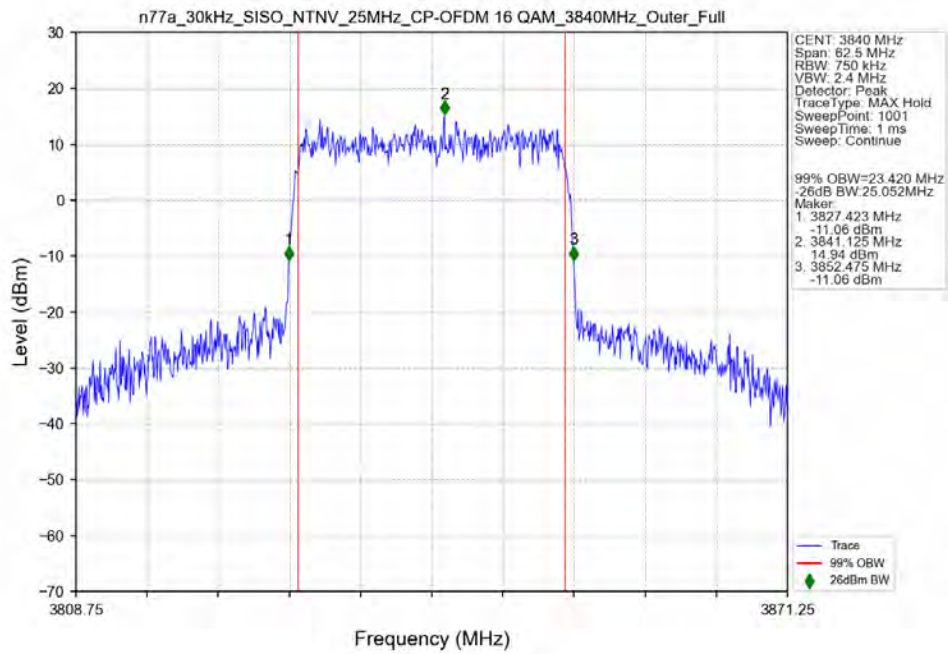
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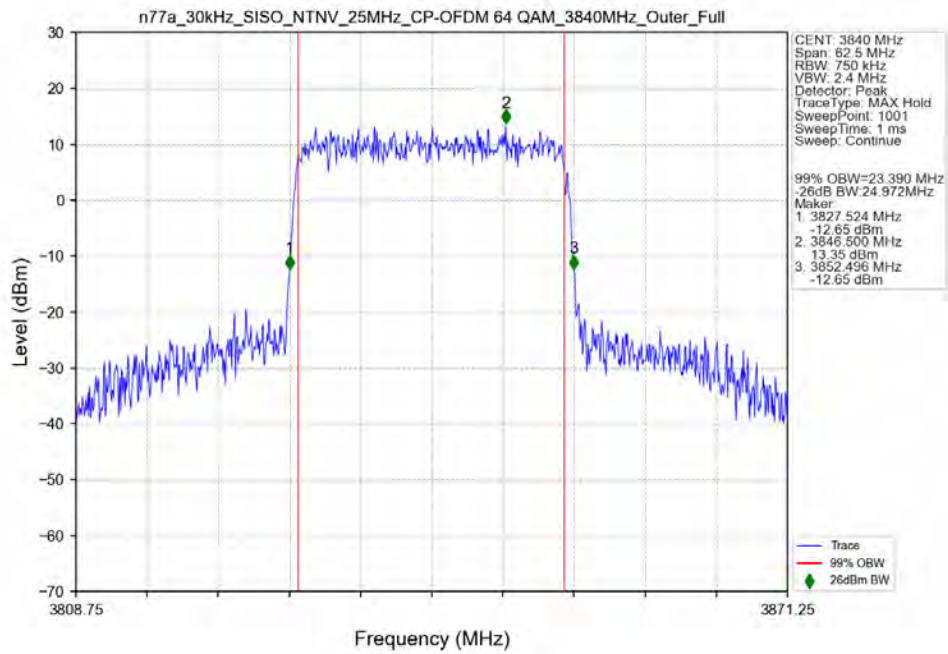
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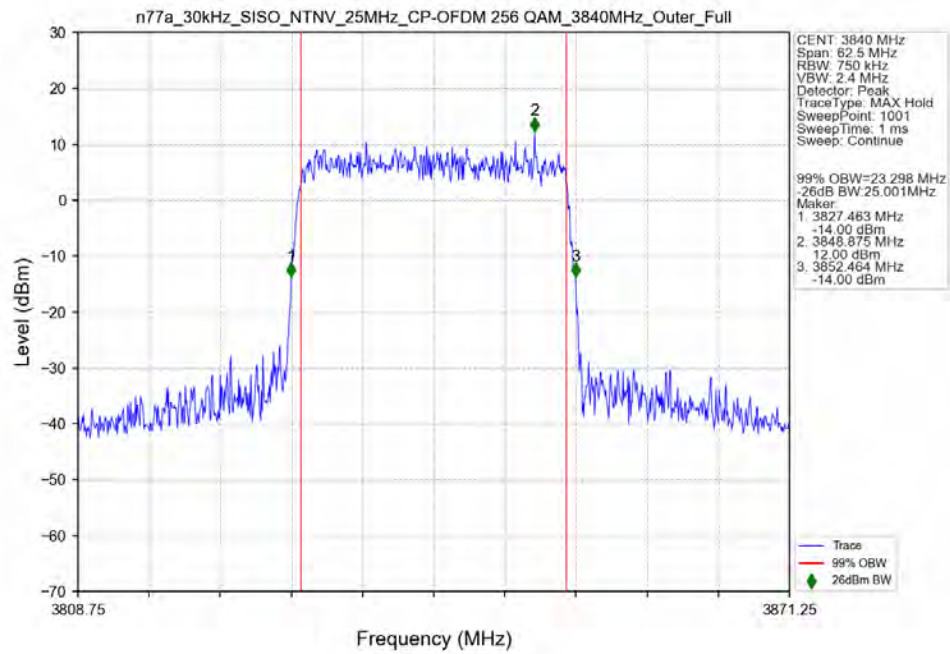
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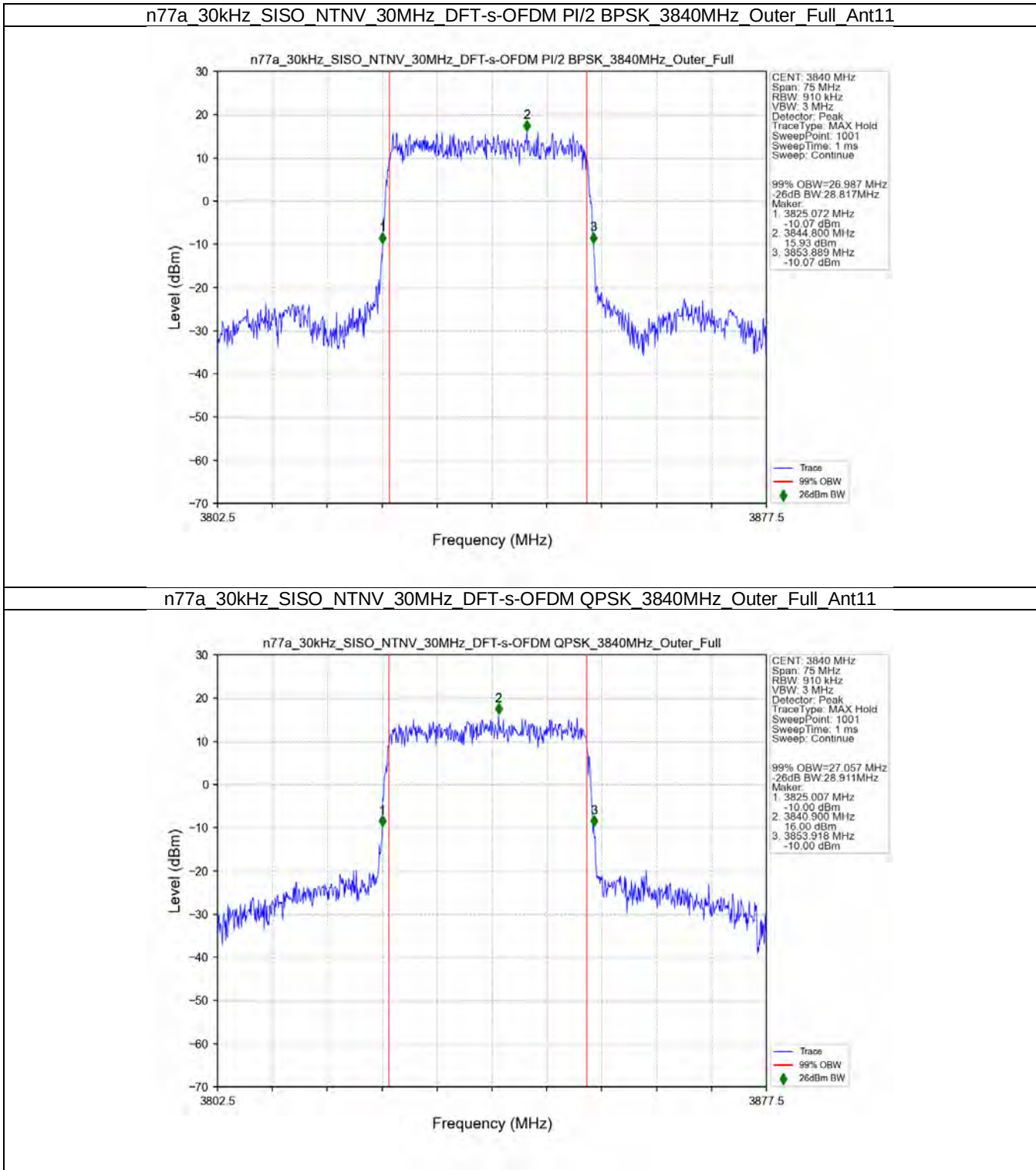
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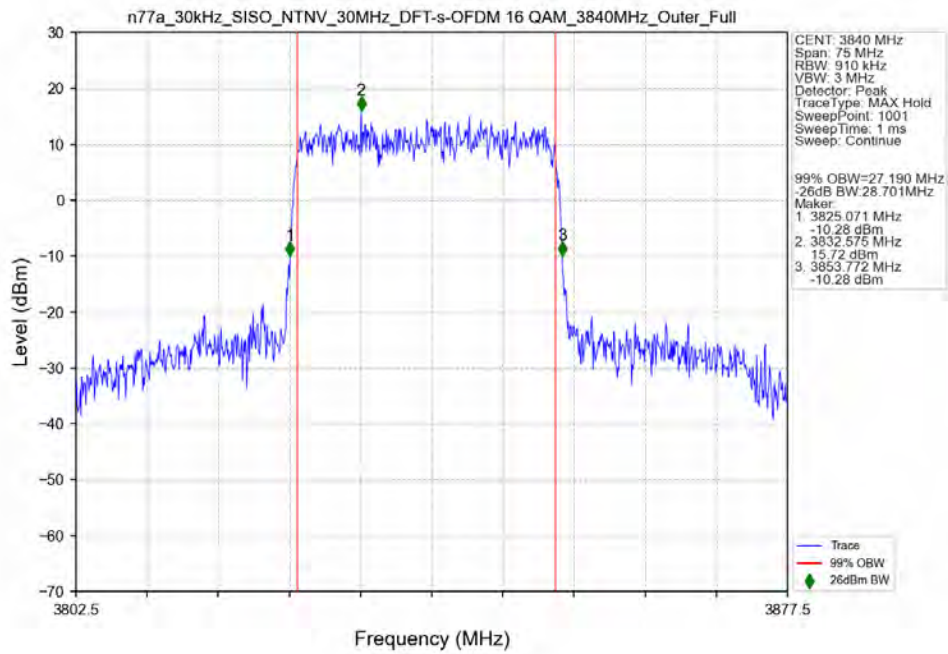
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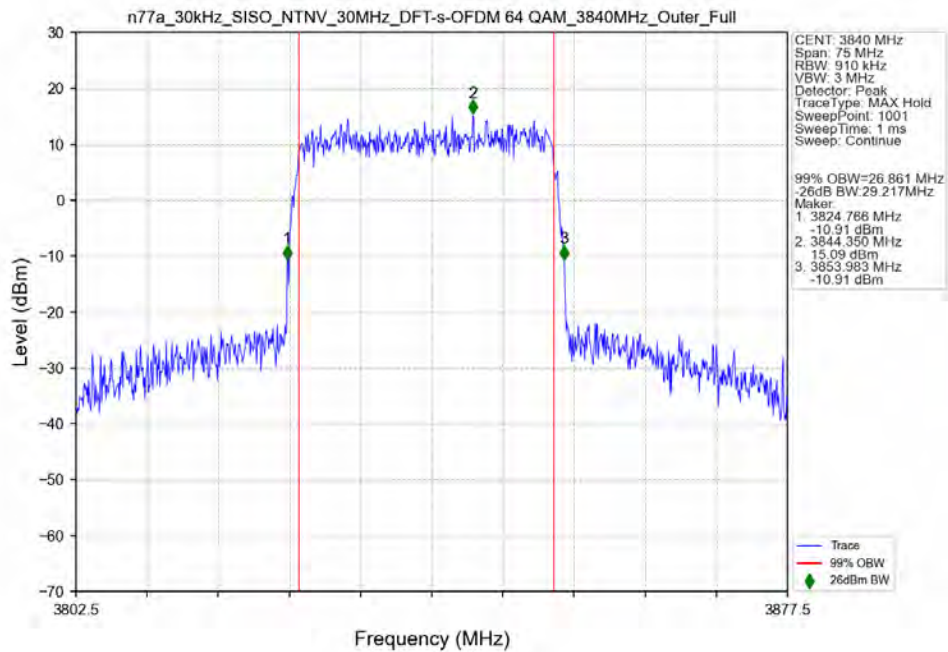
3.2.5 30k_SISO_30MHz_NTNV



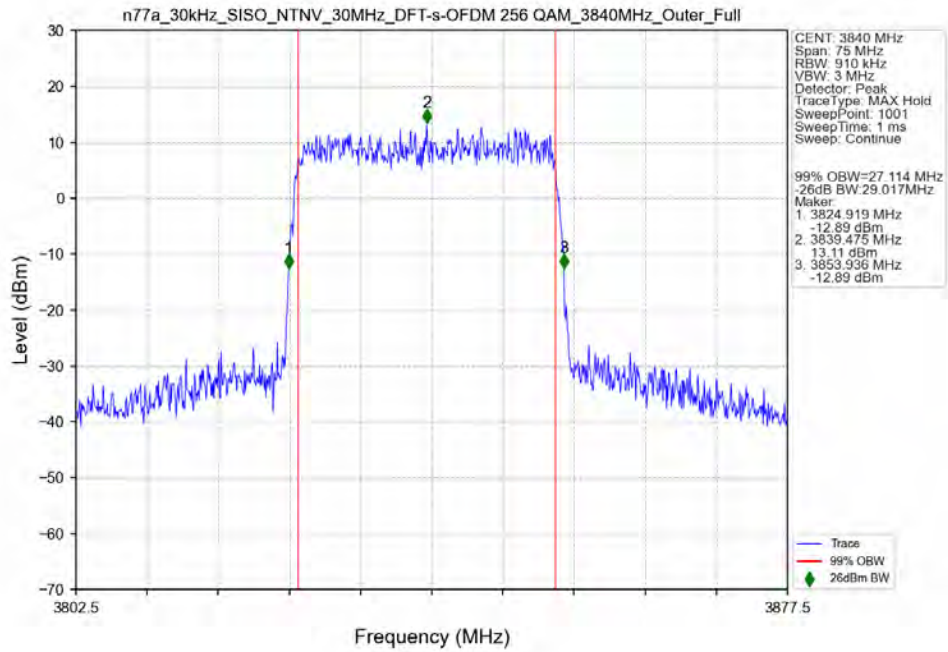
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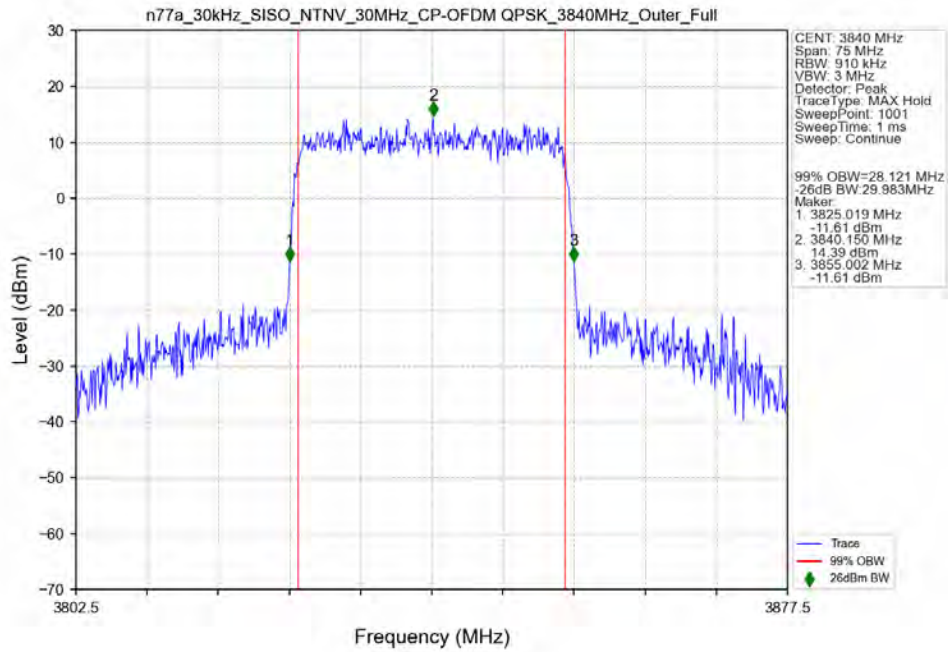
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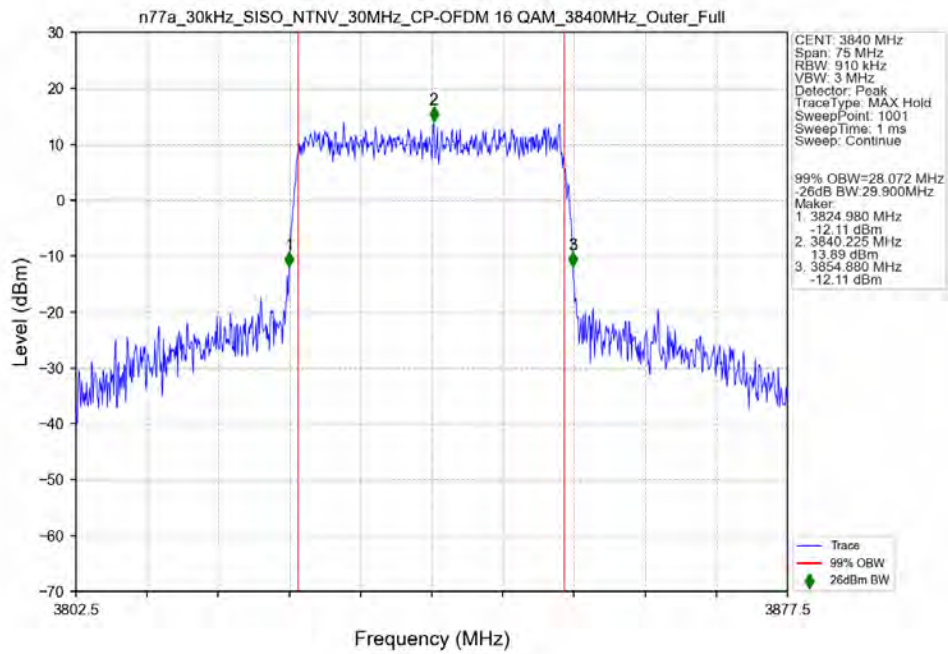
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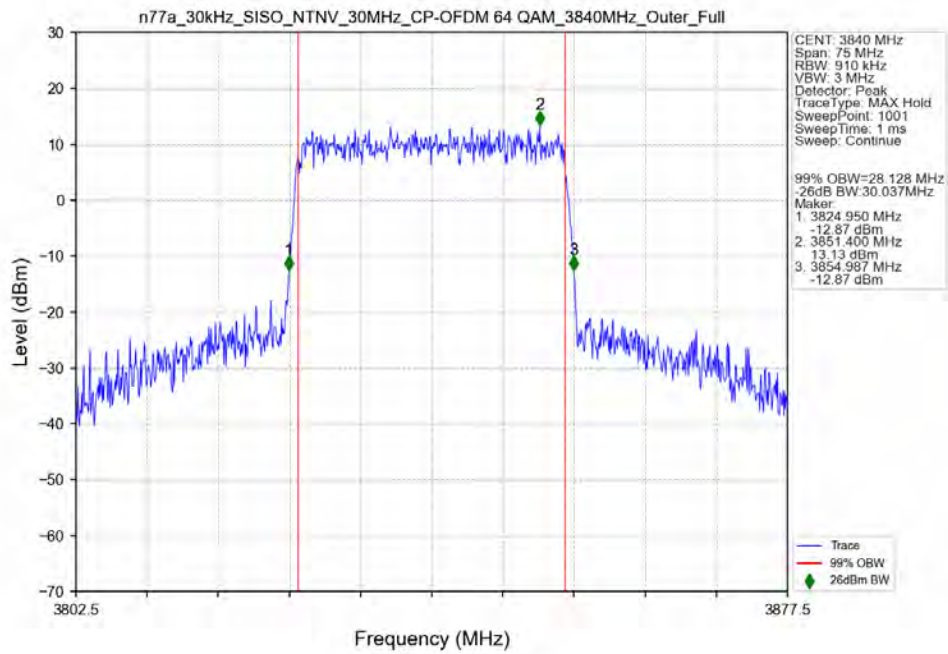
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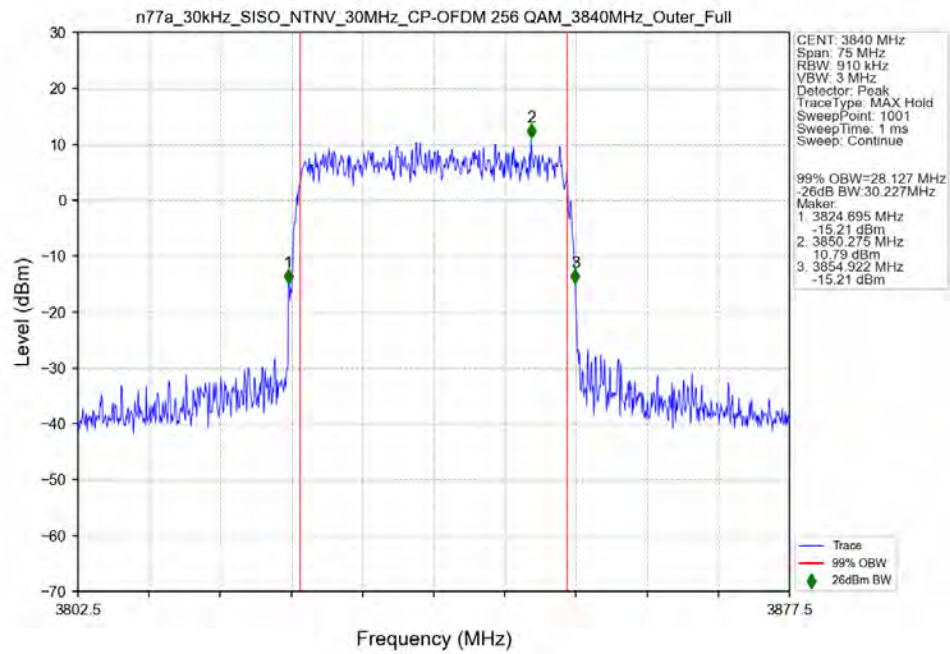
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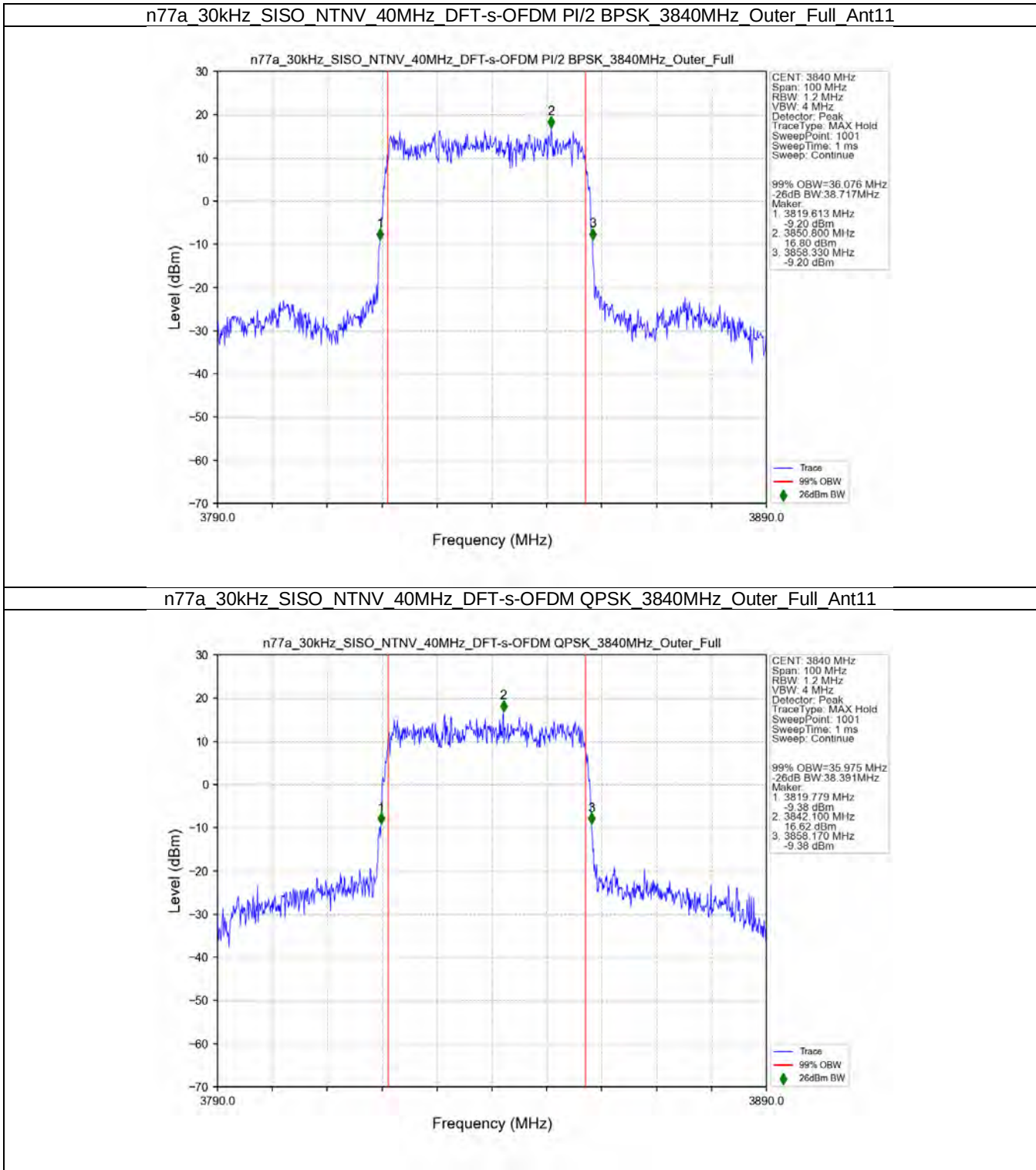
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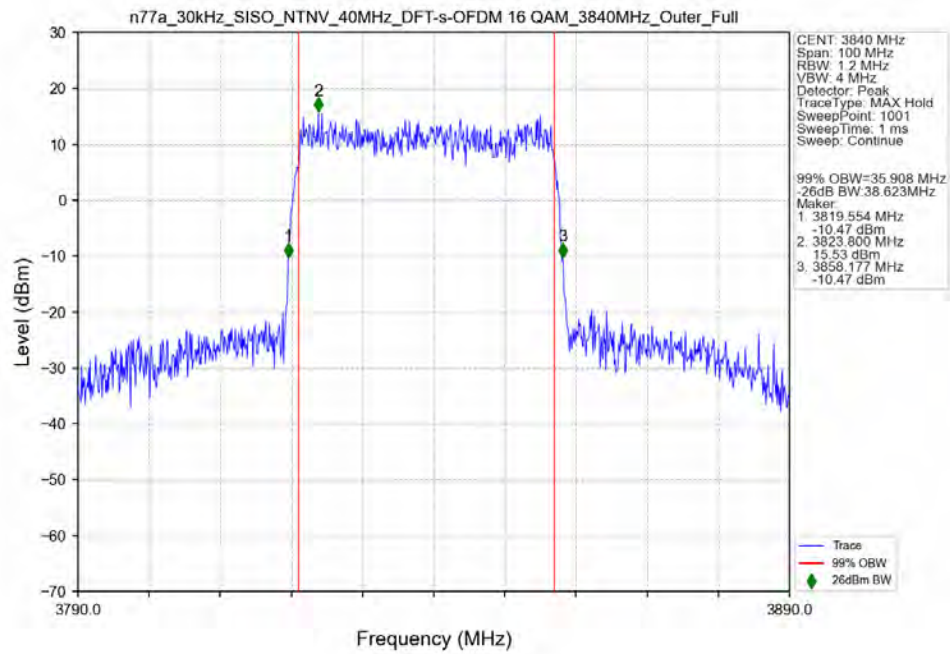
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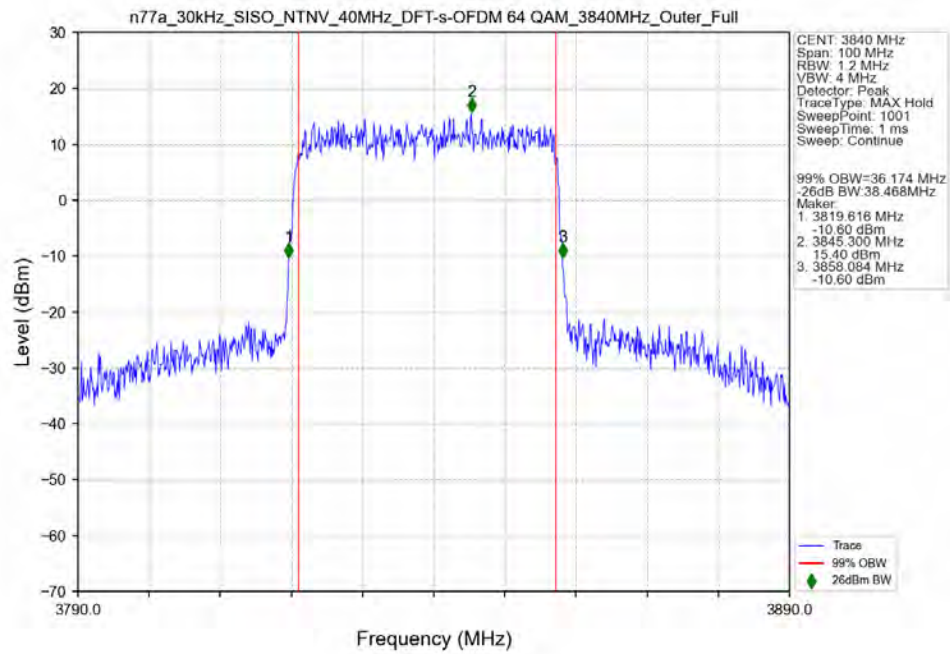
3.2.6 30k_SISO_40MHz_NTNV



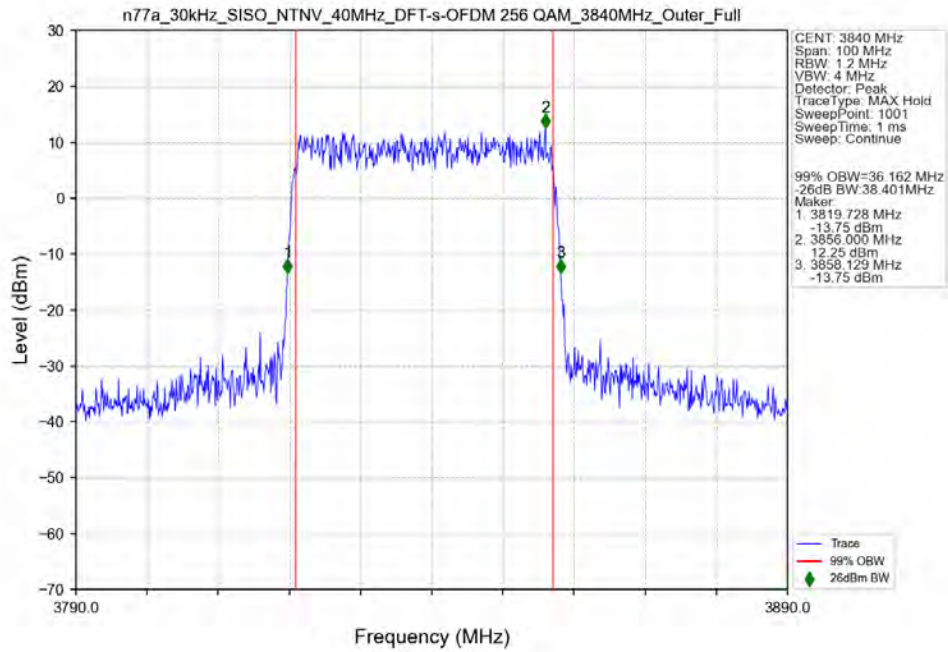
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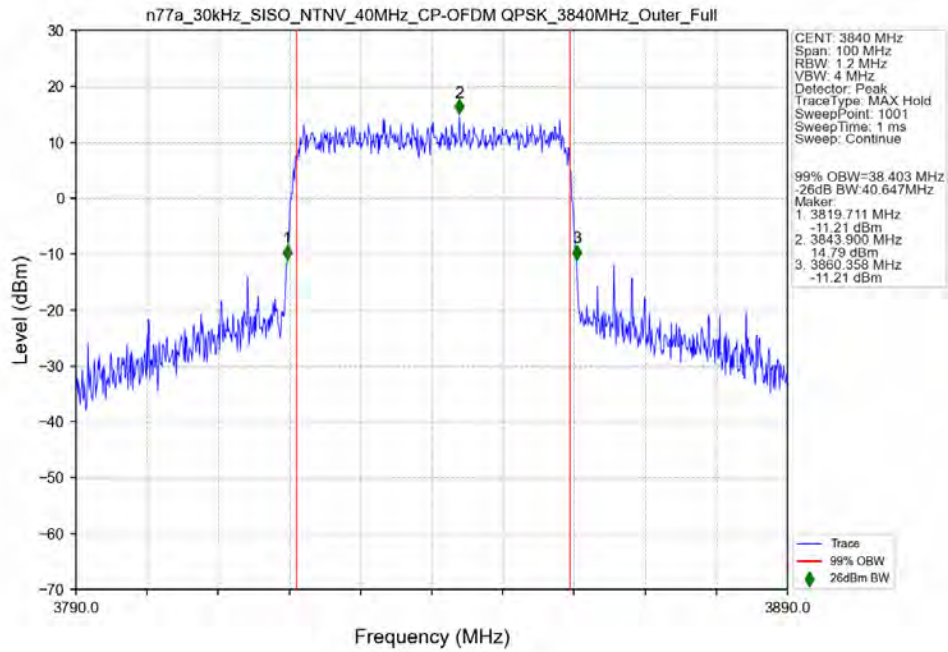
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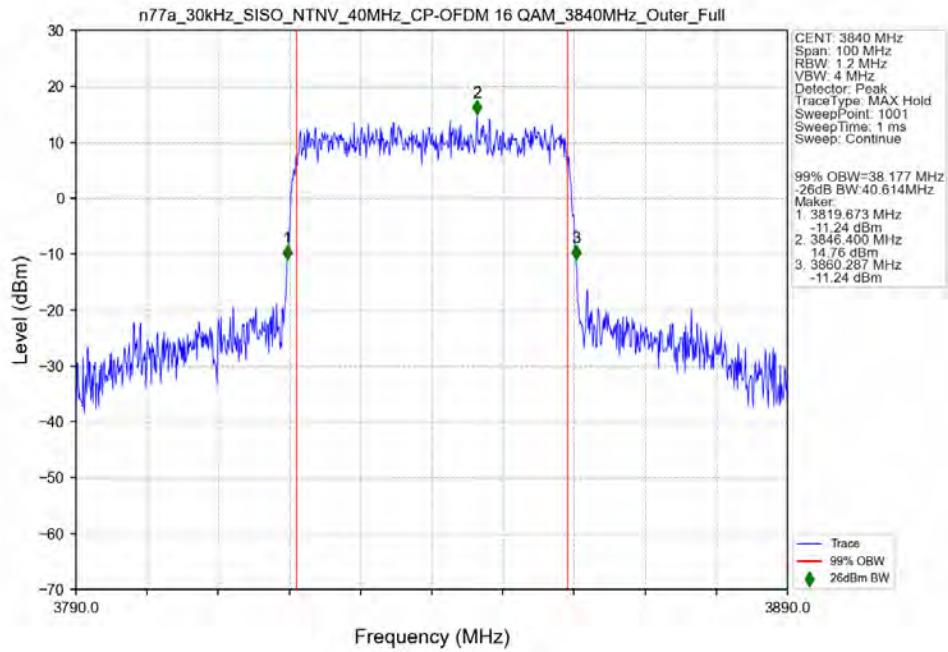
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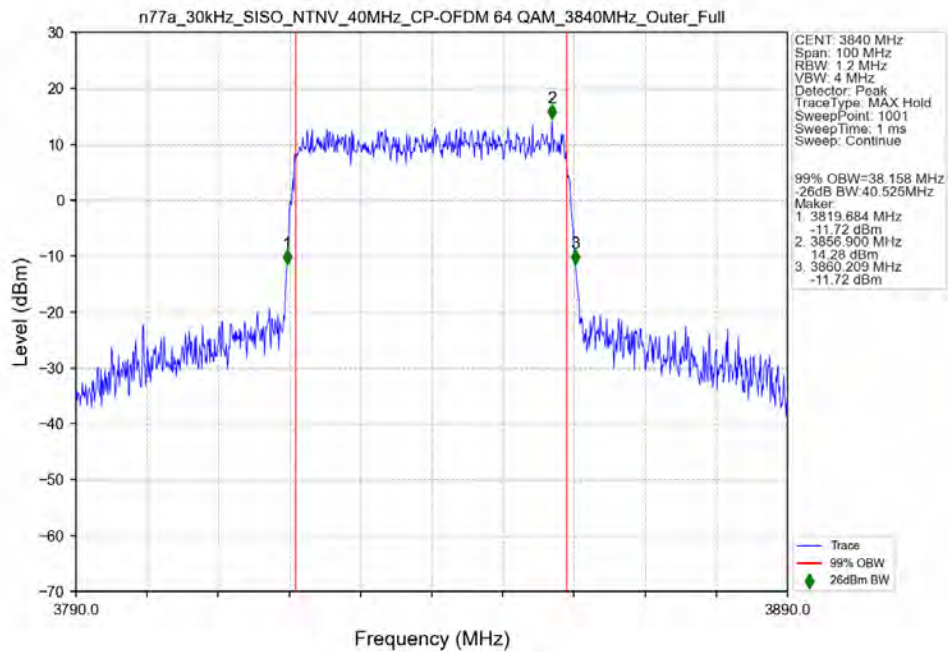
n77a_30kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_3840MHz_Outer_Full_Ant11



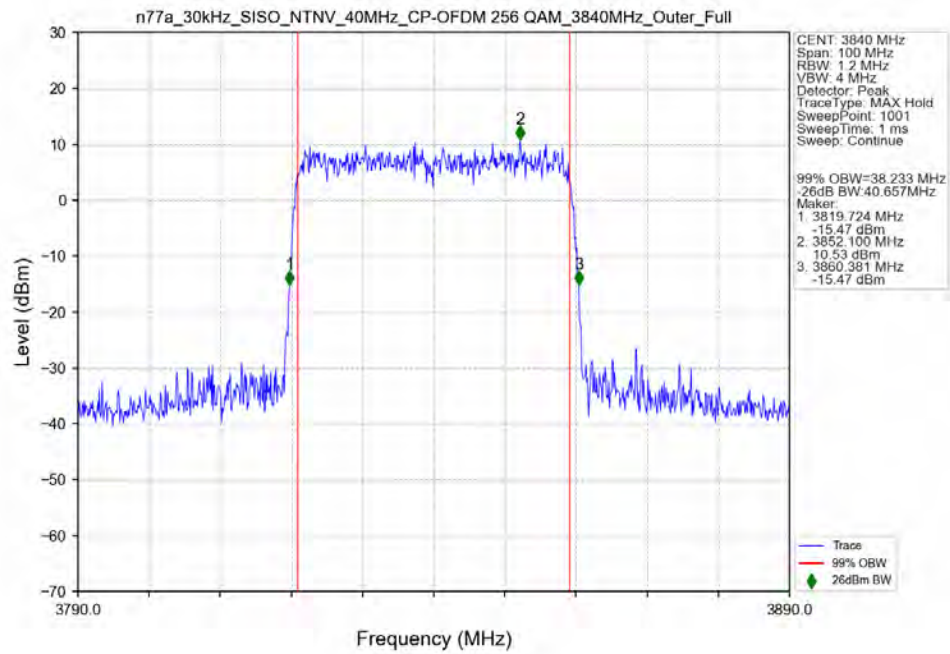
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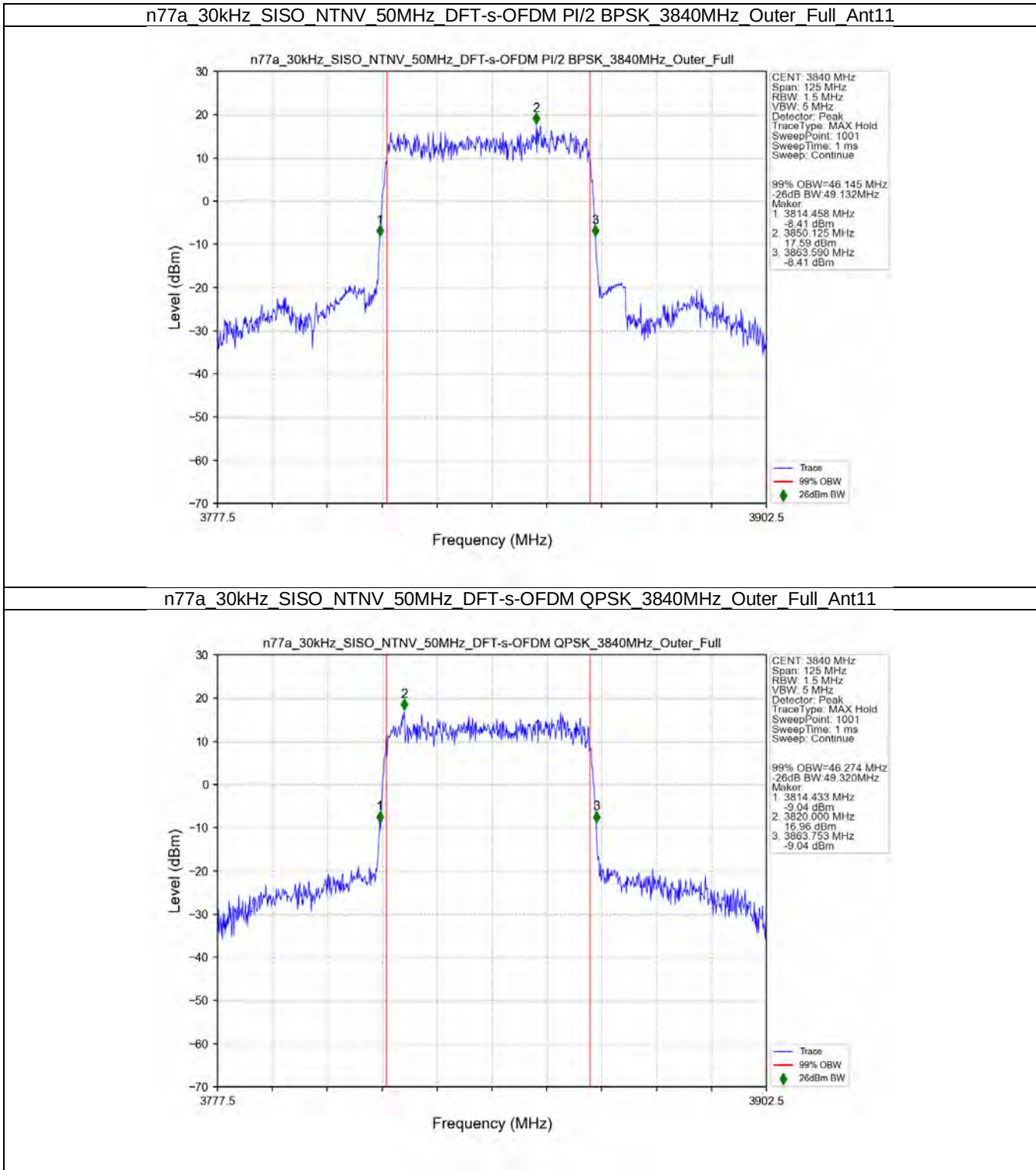
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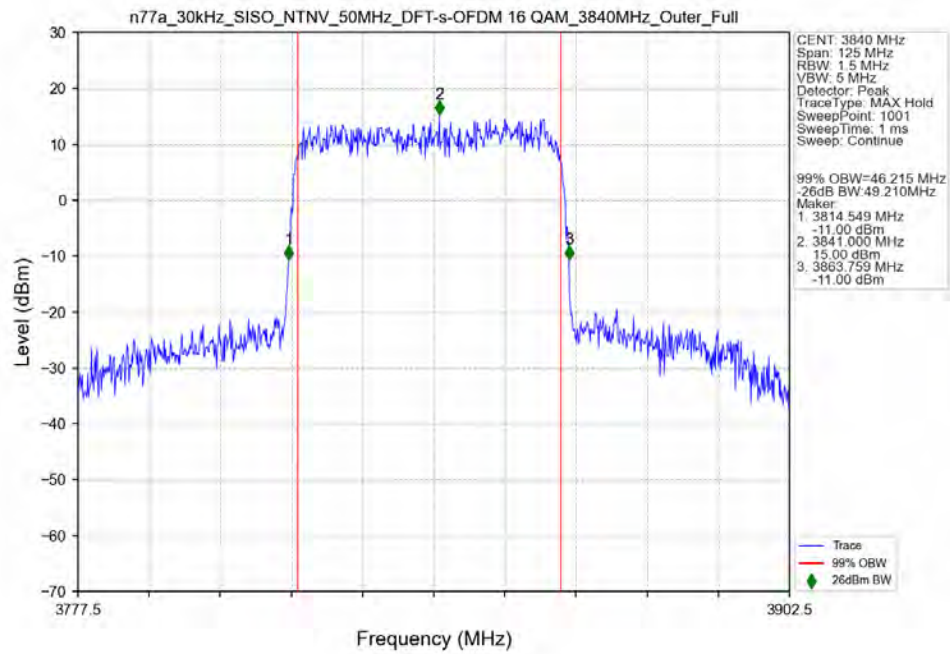
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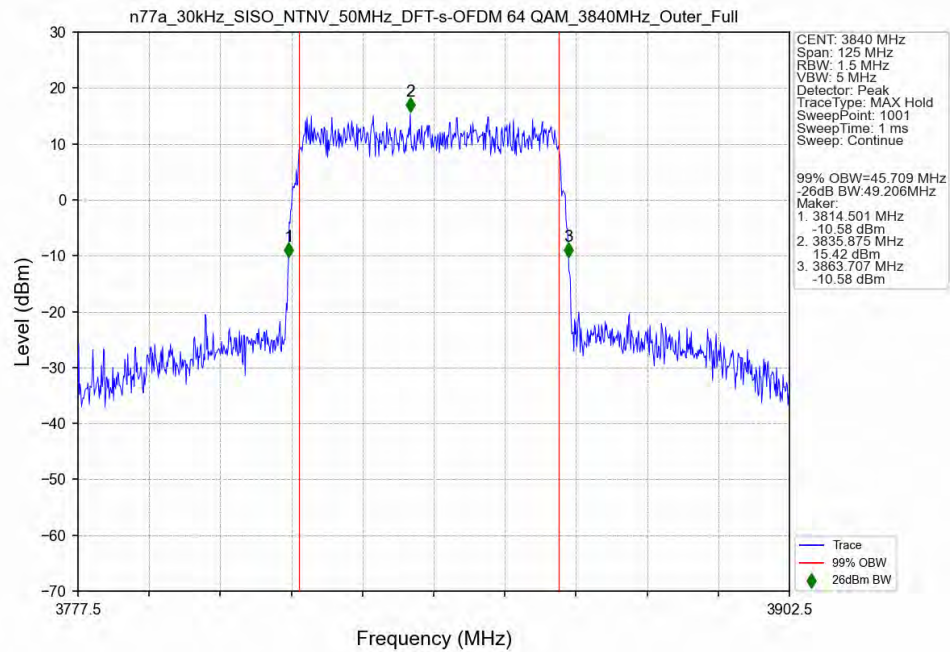
3.2.7 30k_SISO_50MHz_NTNV



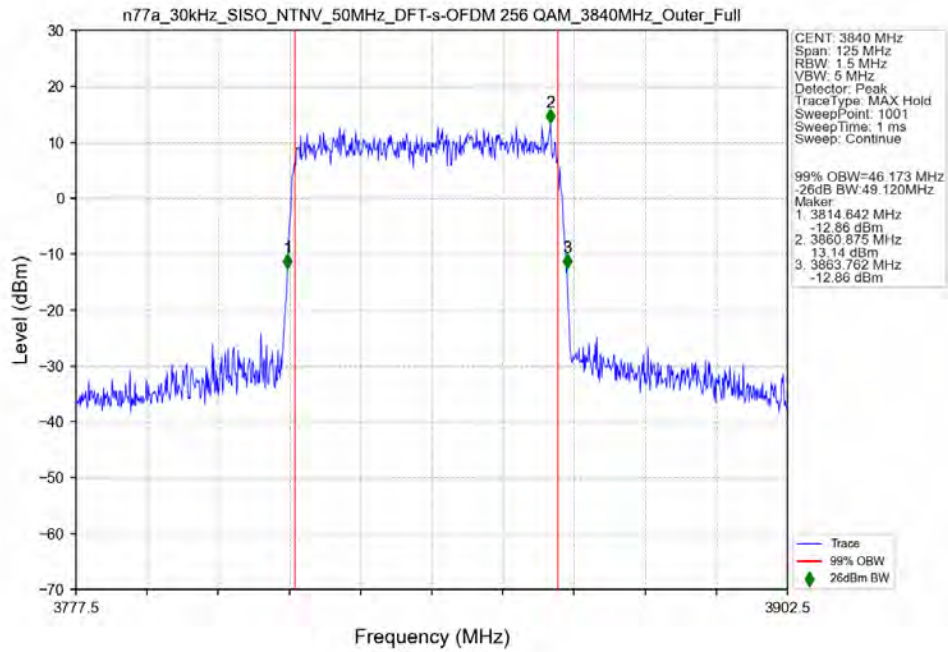
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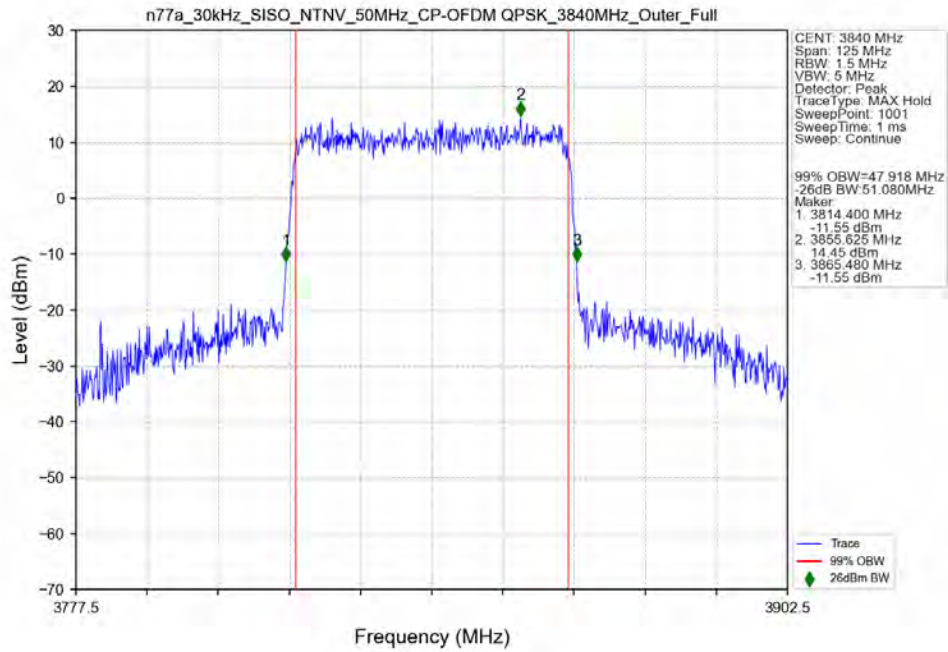
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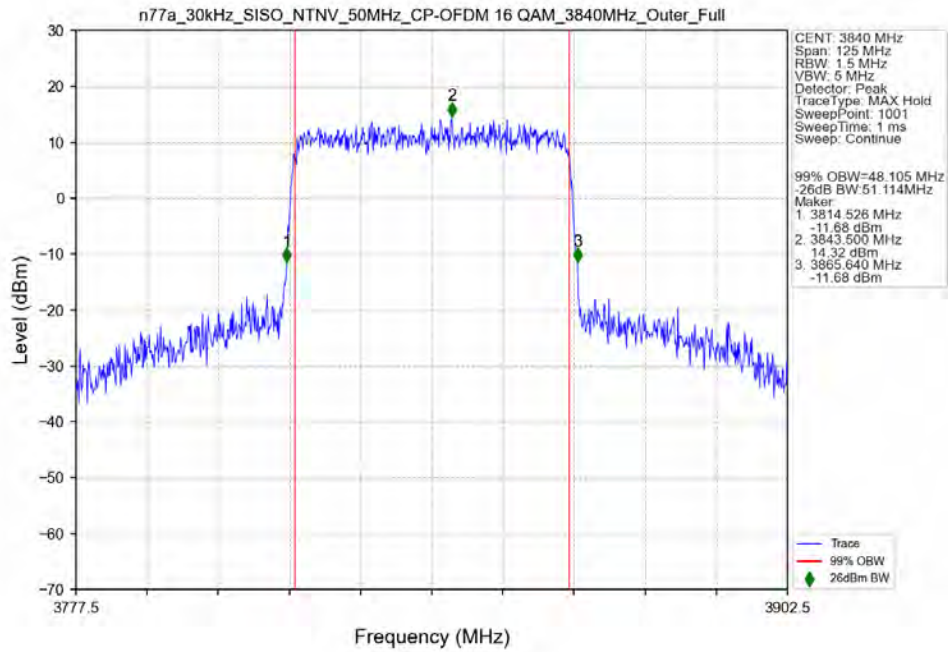
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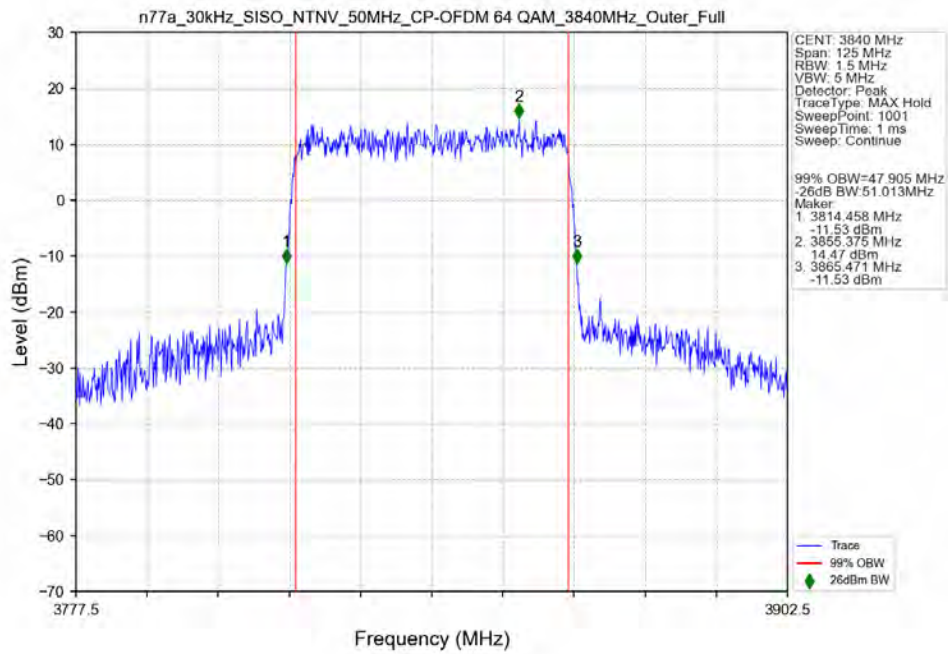
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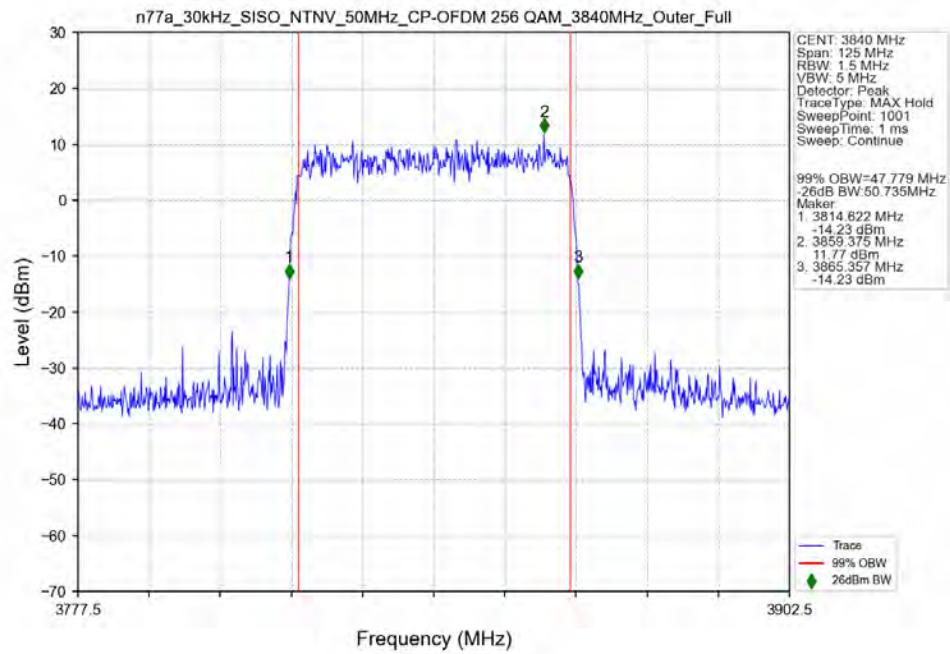
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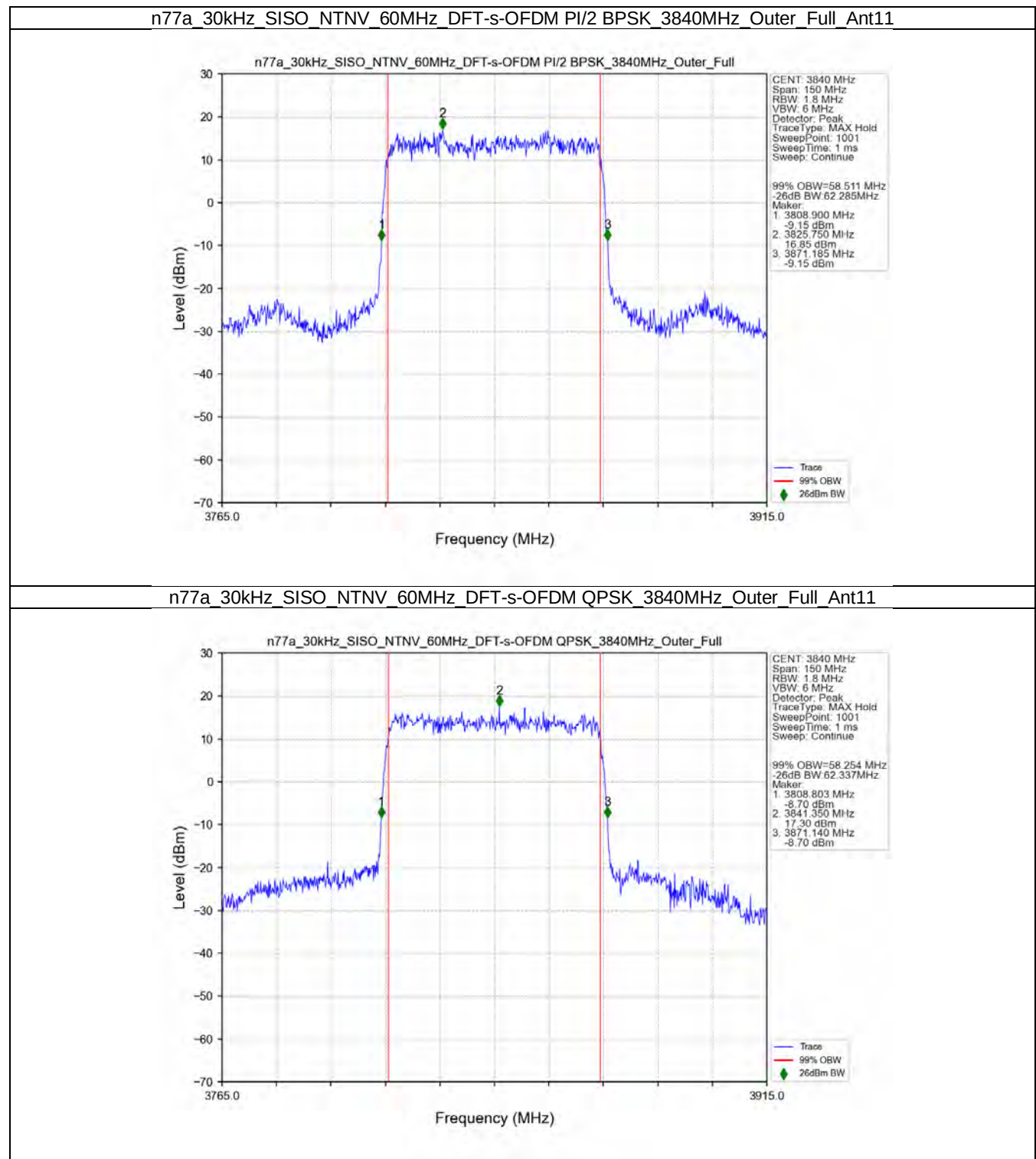
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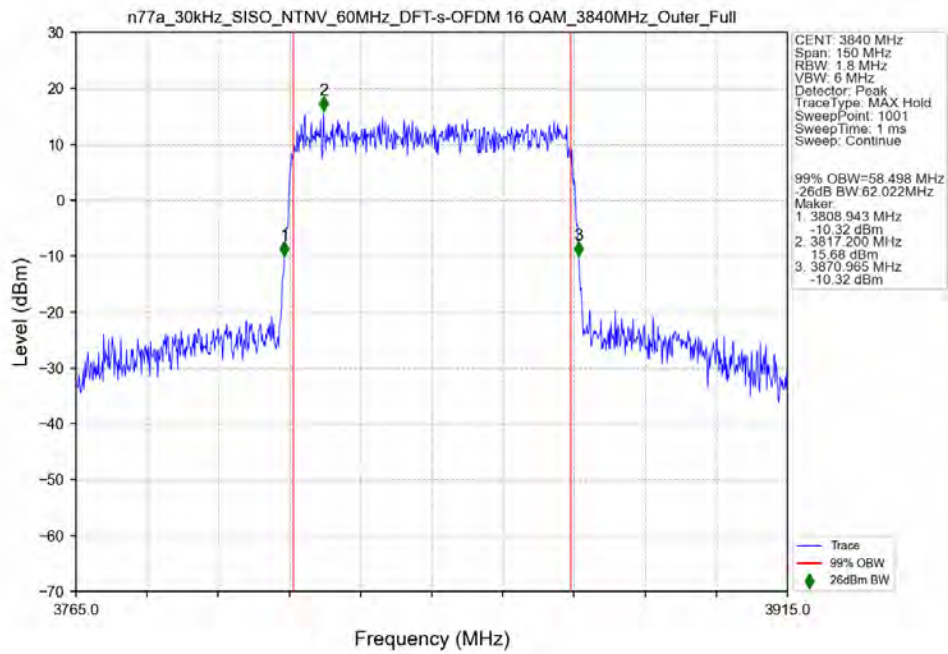
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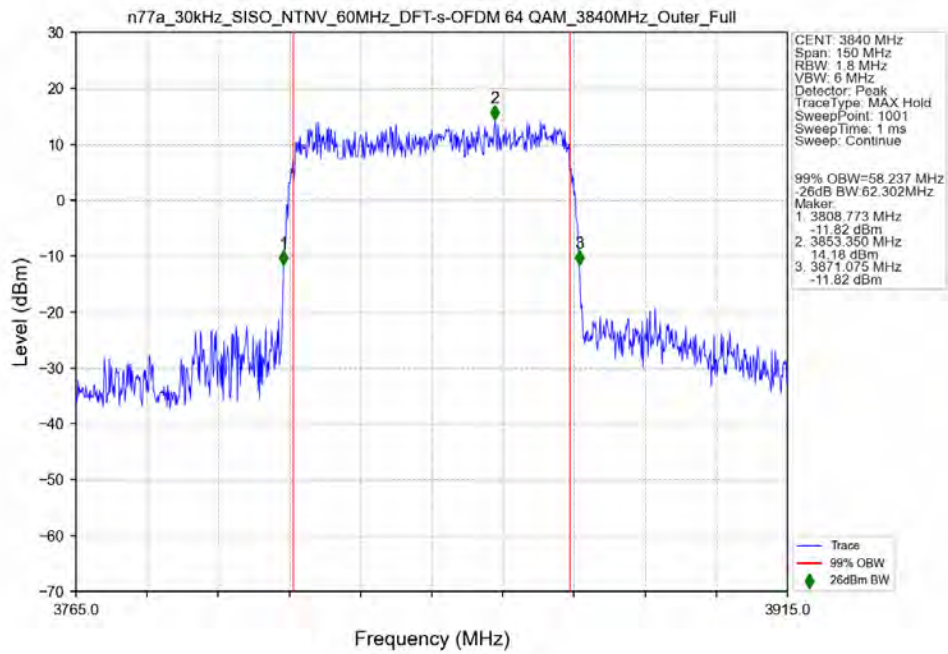
3.2.8 30k_SISO_60MHz_NTNV



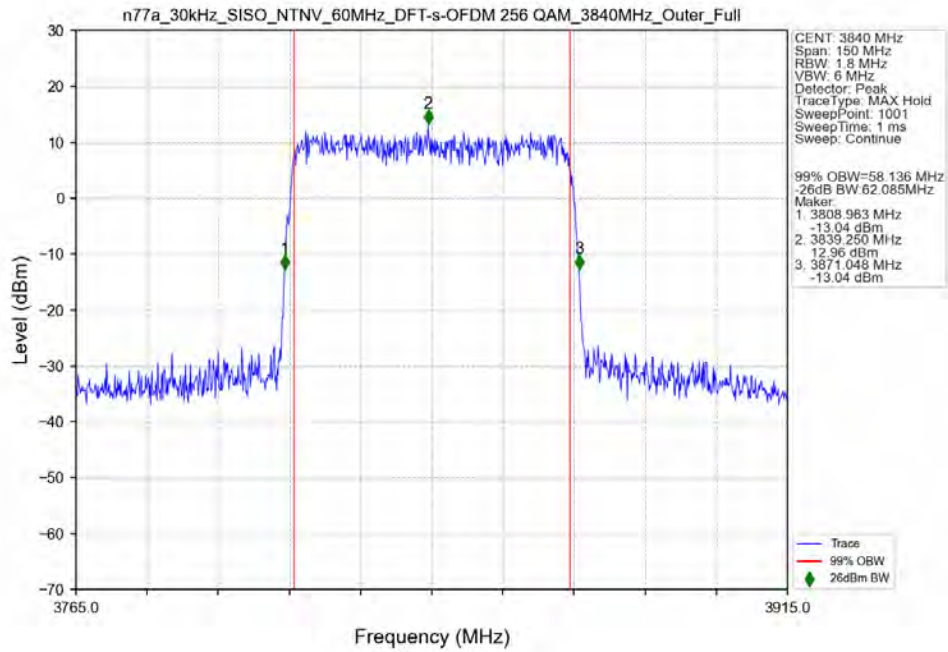
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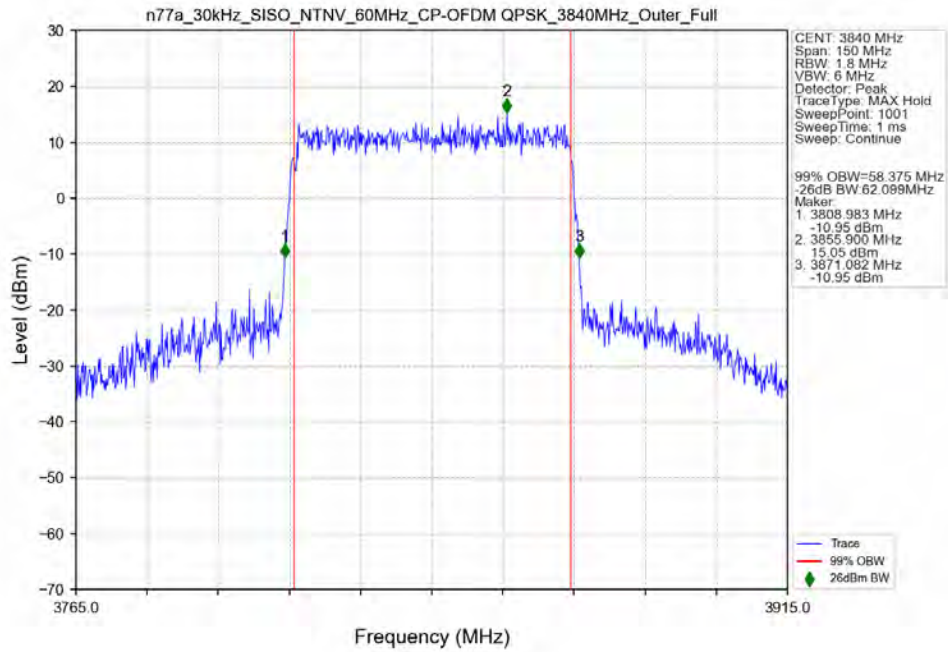
n77a_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_64_QAM_3840MHz_Outer_Full_Ant11



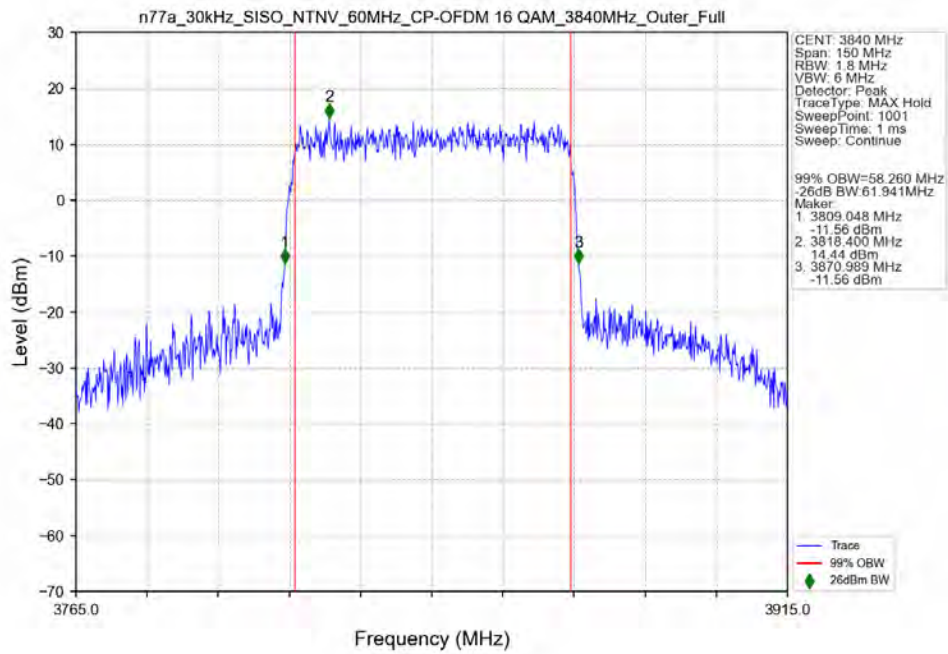
n77a_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_256_QAM_3840MHz_Outer_Full_Ant11



n77a_30kHz_SISO_NTNV_60MHz_CP-OFDM_QPSK_3840MHz_Outer_Full_Ant11



n77a_30kHz_SISO_NTNV_60MHz_CP-OFDM_16_QAM_3840MHz_Outer_Full_Ant11



n77a_30kHz_SISO_NTNV_60MHz_CP-OFDM_64_QAM_3840MHz_Outer_Full_Ant11

