

		Edge_1RB_Right	18.82	/	/	18.90	/	/	<=30	Pass
		Outer_Full	18.44	/	/	18.52	/	/	<=30	Pass
		Inner_Full	18.56	/	/	18.64	/	/	<=30	Pass
		Inner_1RB_Left	18.28	/	/	18.36	/	/	<=30	Pass
		Inner_1RB_Right	18.79	/	/	18.87	/	/	<=30	Pass
	3840	Edge_1RB_Left	18.96	/	/	19.04	/	/	<=30	Pass
		Edge_1RB_Right	18.78	/	/	18.86	/	/	<=30	Pass
		Outer_Full	18.81	/	/	18.89	/	/	<=30	Pass
		Inner_Full	18.76	/	/	18.84	/	/	<=30	Pass
		Inner_1RB_Left	18.89	/	/	18.97	/	/	<=30	Pass
		Inner_1RB_Right	18.77	/	/	18.85	/	/	<=30	Pass
	3954.99	Edge_1RB_Left	18.56	/	/	18.64	/	/	<=30	Pass
		Edge_1RB_Right	18.80	/	/	18.88	/	/	<=30	Pass
		Outer_Full	18.59	/	/	18.67	/	/	<=30	Pass
		Inner_Full	18.59	/	/	18.67	/	/	<=30	Pass
		Inner_1RB_Left	18.58	/	/	18.66	/	/	<=30	Pass
		Inner_1RB_Right	18.79	/	/	18.87	/	/	<=30	Pass
Note1: Antenna Gain: Ant0: 0.08dBi; 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
			Ant0	Ant2	Sum	Ant0	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3730.02	Edge_1RB_Left	21.24	/	/	21.32	/	/	<=30	Pass
		Edge_1RB_Right	21.57	/	/	21.65	/	/	<=30	Pass
		Outer_Full	24.46	/	/	24.54	/	/	<=30	Pass
		Inner_Full	25.10	/	/	25.18	/	/	<=30	Pass
		Inner_1RB_Left	24.72	/	/	24.80	/	/	<=30	Pass
		Inner_1RB_Right	25.07	/	/	25.15	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.84	/	/	21.92	/	/	<=30	Pass
		Edge_1RB_Right	21.55	/	/	21.63	/	/	<=30	Pass
		Outer_Full	24.76	/	/	24.84	/	/	<=30	Pass
		Inner_Full	25.20	/	/	25.28	/	/	<=30	Pass
		Inner_1RB_Left	25.24	/	/	25.32	/	/	<=30	Pass
		Inner_1RB_Right	25.05	/	/	25.13	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	21.30	/	/	21.38	/	/	<=30	Pass
		Edge_1RB_Right	21.81	/	/	21.89	/	/	<=30	Pass
		Outer_Full	24.48	/	/	24.56	/	/	<=30	Pass
		Inner_Full	25.00	/	/	25.08	/	/	<=30	Pass
		Inner_1RB_Left	24.88	/	/	24.96	/	/	<=30	Pass
		Inner_1RB_Right	25.26	/	/	25.34	/	/	<=30	Pass
DFT-s-OFDM QPSK	3730.02	Edge_1RB_Left	21.20	/	/	21.28	/	/	<=30	Pass
		Edge_1RB_Right	21.58	/	/	21.66	/	/	<=30	Pass
		Outer_Full	23.95	/	/	24.03	/	/	<=30	Pass
		Inner_Full	25.04	/	/	25.12	/	/	<=30	Pass
		Inner_1RB_Left	24.72	/	/	24.80	/	/	<=30	Pass
		Inner_1RB_Right	25.08	/	/	25.16	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.83	/	/	21.91	/	/	<=30	Pass
		Edge_1RB_Right	21.54	/	/	21.62	/	/	<=30	Pass
		Outer_Full	24.19	/	/	24.27	/	/	<=30	Pass
		Inner_Full	25.18	/	/	25.26	/	/	<=30	Pass
		Inner_1RB_Left	25.29	/	/	25.37	/	/	<=30	Pass
		Inner_1RB_Right	25.04	/	/	25.12	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	21.29	/	/	21.37	/	/	<=30	Pass
		Edge_1RB_Right	21.78	/	/	21.86	/	/	<=30	Pass
		Outer_Full	24.07	/	/	24.15	/	/	<=30	Pass

		Inner_Full	25.01	/	/	25.09	/	/	<=30	Pass
		Inner_1RB_Left	24.83	/	/	24.91	/	/	<=30	Pass
		Inner_1RB_Right	25.25	/	/	25.33	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3730.02	Edge_1RB_Left	21.04	/	/	21.12	/	/	<=30	Pass
		Edge_1RB_Right	21.38	/	/	21.46	/	/	<=30	Pass
		Outer_Full	22.94	/	/	23.02	/	/	<=30	Pass
		Inner_Full	23.96	/	/	24.04	/	/	<=30	Pass
		Inner_1RB_Left	23.43	/	/	23.51	/	/	<=30	Pass
		Inner_1RB_Right	23.76	/	/	23.84	/	/	<=30	Pass
		Edge_1RB_Left	21.56	/	/	21.64	/	/	<=30	Pass
	3840	Edge_1RB_Right	21.27	/	/	21.35	/	/	<=30	Pass
		Outer_Full	23.15	/	/	23.23	/	/	<=30	Pass
		Inner_Full	24.10	/	/	24.18	/	/	<=30	Pass
		Inner_1RB_Left	24.12	/	/	24.20	/	/	<=30	Pass
		Inner_1RB_Right	23.85	/	/	23.93	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	21.18	/	/	21.26	/	/	<=30	Pass
		Edge_1RB_Right	21.62	/	/	21.70	/	/	<=30	Pass
		Outer_Full	23.04	/	/	23.12	/	/	<=30	Pass
		Inner_Full	24.04	/	/	24.12	/	/	<=30	Pass
		Inner_1RB_Left	23.56	/	/	23.64	/	/	<=30	Pass
		Inner_1RB_Right	24.13	/	/	24.21	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3730.02	Edge_1RB_Left	21.47	/	/	21.55	/	/	<=30	Pass
		Edge_1RB_Right	21.84	/	/	21.92	/	/	<=30	Pass
		Outer_Full	22.45	/	/	22.53	/	/	<=30	Pass
		Inner_Full	22.49	/	/	22.57	/	/	<=30	Pass
		Inner_1RB_Left	22.34	/	/	22.42	/	/	<=30	Pass
		Inner_1RB_Right	22.69	/	/	22.77	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.11	/	/	22.19	/	/	<=30	Pass
		Edge_1RB_Right	21.80	/	/	21.88	/	/	<=30	Pass
		Outer_Full	22.68	/	/	22.76	/	/	<=30	Pass
		Inner_Full	22.68	/	/	22.76	/	/	<=30	Pass
		Inner_1RB_Left	23.06	/	/	23.14	/	/	<=30	Pass
	3949.98	Inner_1RB_Right	22.82	/	/	22.90	/	/	<=30	Pass
		Edge_1RB_Left	21.46	/	/	21.54	/	/	<=30	Pass
		Edge_1RB_Right	21.99	/	/	22.07	/	/	<=30	Pass
		Outer_Full	22.56	/	/	22.64	/	/	<=30	Pass
		Inner_Full	22.53	/	/	22.61	/	/	<=30	Pass
		Inner_1RB_Left	22.43	/	/	22.51	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3730.02	Inner_1RB_Right	22.92	/	/	23.00	/	/	<=30	Pass
		Edge_1RB_Left	20.24	/	/	20.32	/	/	<=30	Pass
		Edge_1RB_Right	20.60	/	/	20.68	/	/	<=30	Pass
		Outer_Full	20.47	/	/	20.55	/	/	<=30	Pass
		Inner_Full	20.50	/	/	20.58	/	/	<=30	Pass
		Inner_1RB_Left	20.21	/	/	20.29	/	/	<=30	Pass
	3840	Inner_1RB_Right	20.60	/	/	20.68	/	/	<=30	Pass
		Edge_1RB_Left	20.81	/	/	20.89	/	/	<=30	Pass
		Edge_1RB_Right	20.53	/	/	20.61	/	/	<=30	Pass
		Outer_Full	20.72	/	/	20.80	/	/	<=30	Pass
		Inner_Full	20.71	/	/	20.79	/	/	<=30	Pass
		Inner_1RB_Left	20.86	/	/	20.94	/	/	<=30	Pass
	3949.98	Inner_1RB_Right	20.59	/	/	20.67	/	/	<=30	Pass
		Edge_1RB_Left	20.30	/	/	20.38	/	/	<=30	Pass
		Edge_1RB_Right	20.78	/	/	20.86	/	/	<=30	Pass
		Outer_Full	20.55	/	/	20.63	/	/	<=30	Pass
		Inner_Full	20.54	/	/	20.62	/	/	<=30	Pass
		Inner_1RB_Left	20.30	/	/	20.38	/	/	<=30	Pass
CP-OFDM QPSK	3730.02	Inner_1RB_Right	20.80	/	/	20.88	/	/	<=30	Pass
		Edge_1RB_Left	21.23	/	/	21.31	/	/	<=30	Pass
		Edge_1RB_Right	21.36	/	/	21.44	/	/	<=30	Pass

		Outer_Full	21.93	/	/	22.01	/	/	<=30	Pass
		Inner_Full	23.45	/	/	23.53	/	/	<=30	Pass
		Inner_1RB_Left	23.01	/	/	23.09	/	/	<=30	Pass
		Inner_1RB_Right	23.50	/	/	23.58	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.82	/	/	21.90	/	/	<=30	Pass
		Edge_1RB_Right	21.61	/	/	21.69	/	/	<=30	Pass
		Outer_Full	22.17	/	/	22.25	/	/	<=30	Pass
		Inner_Full	23.57	/	/	23.65	/	/	<=30	Pass
		Inner_1RB_Left	23.80	/	/	23.88	/	/	<=30	Pass
		Inner_1RB_Right	23.55	/	/	23.63	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	21.25	/	/	21.33	/	/	<=30	Pass
		Edge_1RB_Right	21.81	/	/	21.89	/	/	<=30	Pass
		Outer_Full	22.02	/	/	22.10	/	/	<=30	Pass
		Inner_Full	23.48	/	/	23.56	/	/	<=30	Pass
		Inner_1RB_Left	23.26	/	/	23.34	/	/	<=30	Pass
		Inner_1RB_Right	23.71	/	/	23.79	/	/	<=30	Pass
CP-OFDM 16 QAM	3730.02	Edge_1RB_Left	21.08	/	/	21.16	/	/	<=30	Pass
		Edge_1RB_Right	21.46	/	/	21.54	/	/	<=30	Pass
		Outer_Full	21.91	/	/	21.99	/	/	<=30	Pass
		Inner_Full	22.94	/	/	23.02	/	/	<=30	Pass
		Inner_1RB_Left	22.51	/	/	22.59	/	/	<=30	Pass
		Inner_1RB_Right	22.82	/	/	22.90	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.66	/	/	21.74	/	/	<=30	Pass
		Edge_1RB_Right	21.45	/	/	21.53	/	/	<=30	Pass
		Outer_Full	22.16	/	/	22.24	/	/	<=30	Pass
		Inner_Full	23.11	/	/	23.19	/	/	<=30	Pass
		Inner_1RB_Left	23.13	/	/	23.21	/	/	<=30	Pass
		Inner_1RB_Right	22.77	/	/	22.85	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	21.06	/	/	21.14	/	/	<=30	Pass
		Edge_1RB_Right	21.60	/	/	21.68	/	/	<=30	Pass
		Outer_Full	22.02	/	/	22.10	/	/	<=30	Pass
		Inner_Full	23.03	/	/	23.11	/	/	<=30	Pass
		Inner_1RB_Left	22.51	/	/	22.59	/	/	<=30	Pass
		Inner_1RB_Right	22.99	/	/	23.07	/	/	<=30	Pass
CP-OFDM 64 QAM	3730.02	Edge_1RB_Left	21.48	/	/	21.56	/	/	<=30	Pass
		Edge_1RB_Right	21.78	/	/	21.86	/	/	<=30	Pass
		Outer_Full	21.43	/	/	21.51	/	/	<=30	Pass
		Inner_Full	21.50	/	/	21.58	/	/	<=30	Pass
		Inner_1RB_Left	21.44	/	/	21.52	/	/	<=30	Pass
		Inner_1RB_Right	21.79	/	/	21.87	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.02	/	/	22.10	/	/	<=30	Pass
		Edge_1RB_Right	21.78	/	/	21.86	/	/	<=30	Pass
		Outer_Full	21.69	/	/	21.77	/	/	<=30	Pass
		Inner_Full	21.66	/	/	21.74	/	/	<=30	Pass
		Inner_1RB_Left	22.16	/	/	22.24	/	/	<=30	Pass
		Inner_1RB_Right	21.78	/	/	21.86	/	/	<=30	Pass
	3949.98	Edge_1RB_Left	21.49	/	/	21.57	/	/	<=30	Pass
		Edge_1RB_Right	22.01	/	/	22.09	/	/	<=30	Pass
		Outer_Full	21.54	/	/	21.62	/	/	<=30	Pass
		Inner_Full	21.57	/	/	21.65	/	/	<=30	Pass
		Inner_1RB_Left	21.49	/	/	21.57	/	/	<=30	Pass
		Inner_1RB_Right	21.98	/	/	22.06	/	/	<=30	Pass
CP-OFDM 256 QAM	3730.02	Edge_1RB_Left	18.33	/	/	18.41	/	/	<=30	Pass
		Edge_1RB_Right	18.68	/	/	18.76	/	/	<=30	Pass
		Outer_Full	18.48	/	/	18.56	/	/	<=30	Pass
		Inner_Full	18.52	/	/	18.60	/	/	<=30	Pass
		Inner_1RB_Left	18.34	/	/	18.42	/	/	<=30	Pass
		Inner_1RB_Right	18.65	/	/	18.73	/	/	<=30	Pass
	3840	Edge_1RB_Left	18.98	/	/	19.06	/	/	<=30	Pass

		Edge 1RB Right	18.71	/	/	18.79	/	/	<=30	Pass
		Outer Full	18.75	/	/	18.83	/	/	<=30	Pass
		Inner Full	18.71	/	/	18.79	/	/	<=30	Pass
		Inner 1RB Left	18.97	/	/	19.05	/	/	<=30	Pass
		Inner 1RB Right	18.70	/	/	18.78	/	/	<=30	Pass
	3949.98	Edge 1RB Left	18.39	/	/	18.47	/	/	<=30	Pass
		Edge 1RB Right	18.92	/	/	19.00	/	/	<=30	Pass
		Outer Full	18.53	/	/	18.61	/	/	<=30	Pass
		Inner Full	18.56	/	/	18.64	/	/	<=30	Pass
		Inner 1RB Left	18.42	/	/	18.50	/	/	<=30	Pass
		Inner 1RB Right	18.94	/	/	19.02	/	/	<=30	Pass
	Note1: Antenna Gain: Ant0: 0.08dBi; 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
			Ant0	Ant2	Sum	Ant0	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3735	Edge_1RB Left	21.20	/	/	21.28	/	/	<=30	Pass
		Edge_1RB Right	21.73	/	/	21.81	/	/	<=30	Pass
		Outer_Full	24.43	/	/	24.51	/	/	<=30	Pass
		Inner_Full	25.07	/	/	25.15	/	/	<=30	Pass
		Inner_1RB Left	24.70	/	/	24.78	/	/	<=30	Pass
	3840	Inner_1RB Right	25.25	/	/	25.33	/	/	<=30	Pass
		Edge_1RB Left	21.82	/	/	21.90	/	/	<=30	Pass
		Edge_1RB Right	21.47	/	/	21.55	/	/	<=30	Pass
		Outer_Full	24.75	/	/	24.83	/	/	<=30	Pass
		Inner_Full	25.17	/	/	25.25	/	/	<=30	Pass
	3945	Inner_1RB Left	25.24	/	/	25.32	/	/	<=30	Pass
		Inner_1RB Right	24.87	/	/	24.95	/	/	<=30	Pass
		Edge_1RB Left	21.40	/	/	21.48	/	/	<=30	Pass
		Edge_1RB Right	21.95	/	/	22.03	/	/	<=30	Pass
		Outer_Full	24.41	/	/	24.49	/	/	<=30	Pass
DFT-s-OFDM QPSK	3735	Inner_Full	25.02	/	/	25.10	/	/	<=30	Pass
		Inner_1RB Left	24.90	/	/	24.98	/	/	<=30	Pass
		Inner_1RB Right	25.37	/	/	25.45	/	/	<=30	Pass
		Edge_1RB Left	21.19	/	/	21.27	/	/	<=30	Pass
		Edge_1RB Right	21.73	/	/	21.81	/	/	<=30	Pass
	3840	Outer_Full	24.02	/	/	24.10	/	/	<=30	Pass
		Inner_Full	24.99	/	/	25.07	/	/	<=30	Pass
		Inner_1RB Left	24.62	/	/	24.70	/	/	<=30	Pass
		Inner_1RB Right	25.16	/	/	25.24	/	/	<=30	Pass
		Edge_1RB Left	21.78	/	/	21.86	/	/	<=30	Pass
	3945	Edge_1RB Right	21.43	/	/	21.51	/	/	<=30	Pass
		Outer_Full	24.19	/	/	24.27	/	/	<=30	Pass
		Inner_Full	25.16	/	/	25.24	/	/	<=30	Pass
		Inner_1RB Left	25.18	/	/	25.26	/	/	<=30	Pass
		Inner_1RB Right	24.82	/	/	24.90	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3735	Edge_1RB Left	21.38	/	/	21.46	/	/	<=30	Pass
		Edge_1RB Right	21.90	/	/	21.98	/	/	<=30	Pass
		Outer_Full	24.08	/	/	24.16	/	/	<=30	Pass
		Inner_Full	25.01	/	/	25.09	/	/	<=30	Pass
		Inner_1RB Left	24.80	/	/	24.88	/	/	<=30	Pass
	3735	Inner_1RB Right	25.35	/	/	25.43	/	/	<=30	Pass
		Edge_1RB Left	21.06	/	/	21.14	/	/	<=30	Pass
		Edge_1RB Right	21.62	/	/	21.70	/	/	<=30	Pass
		Outer_Full	23.06	/	/	23.14	/	/	<=30	Pass

		Inner_Full	24.10	/	/	24.18	/	/	<=30	Pass
		Inner_1RB_Left	23.45	/	/	23.53	/	/	<=30	Pass
		Inner_1RB_Right	24.04	/	/	24.12	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.62	/	/	21.70	/	/	<=30	Pass
		Edge_1RB_Right	21.31	/	/	21.39	/	/	<=30	Pass
		Outer_Full	23.24	/	/	23.32	/	/	<=30	Pass
		Inner_Full	24.21	/	/	24.29	/	/	<=30	Pass
		Inner_1RB_Left	23.91	/	/	23.99	/	/	<=30	Pass
		Inner_1RB_Right	23.62	/	/	23.70	/	/	<=30	Pass
	3945	Edge_1RB_Left	21.27	/	/	21.35	/	/	<=30	Pass
		Edge_1RB_Right	21.80	/	/	21.88	/	/	<=30	Pass
		Outer_Full	23.08	/	/	23.16	/	/	<=30	Pass
		Inner_Full	24.13	/	/	24.21	/	/	<=30	Pass
		Inner_1RB_Left	23.63	/	/	23.71	/	/	<=30	Pass
		Inner_1RB_Right	24.25	/	/	24.33	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3735	Edge_1RB_Left	21.45	/	/	21.53	/	/	<=30	Pass
		Edge_1RB_Right	21.94	/	/	22.02	/	/	<=30	Pass
		Outer_Full	22.57	/	/	22.65	/	/	<=30	Pass
		Inner_Full	22.61	/	/	22.69	/	/	<=30	Pass
		Inner_1RB_Left	22.38	/	/	22.46	/	/	<=30	Pass
		Inner_1RB_Right	22.90	/	/	22.98	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.04	/	/	22.12	/	/	<=30	Pass
		Edge_1RB_Right	21.75	/	/	21.83	/	/	<=30	Pass
		Outer_Full	22.77	/	/	22.85	/	/	<=30	Pass
		Inner_Full	22.74	/	/	22.82	/	/	<=30	Pass
		Inner_1RB_Left	23.00	/	/	23.08	/	/	<=30	Pass
		Inner_1RB_Right	22.68	/	/	22.76	/	/	<=30	Pass
	3945	Edge_1RB_Left	21.58	/	/	21.66	/	/	<=30	Pass
		Edge_1RB_Right	22.10	/	/	22.18	/	/	<=30	Pass
		Outer_Full	22.59	/	/	22.67	/	/	<=30	Pass
		Inner_Full	22.60	/	/	22.68	/	/	<=30	Pass
		Inner_1RB_Left	22.51	/	/	22.59	/	/	<=30	Pass
		Inner_1RB_Right	23.02	/	/	23.10	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3735	Edge_1RB_Left	20.22	/	/	20.30	/	/	<=30	Pass
		Edge_1RB_Right	20.71	/	/	20.79	/	/	<=30	Pass
		Outer_Full	20.58	/	/	20.66	/	/	<=30	Pass
		Inner_Full	20.65	/	/	20.73	/	/	<=30	Pass
		Inner_1RB_Left	20.23	/	/	20.31	/	/	<=30	Pass
		Inner_1RB_Right	20.70	/	/	20.78	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.82	/	/	20.90	/	/	<=30	Pass
		Edge_1RB_Right	20.56	/	/	20.64	/	/	<=30	Pass
		Outer_Full	20.81	/	/	20.89	/	/	<=30	Pass
		Inner_Full	20.78	/	/	20.86	/	/	<=30	Pass
		Inner_1RB_Left	20.85	/	/	20.93	/	/	<=30	Pass
		Inner_1RB_Right	20.50	/	/	20.58	/	/	<=30	Pass
	3945	Edge_1RB_Left	20.38	/	/	20.46	/	/	<=30	Pass
		Edge_1RB_Right	20.94	/	/	21.02	/	/	<=30	Pass
		Outer_Full	20.62	/	/	20.70	/	/	<=30	Pass
		Inner_Full	20.64	/	/	20.72	/	/	<=30	Pass
		Inner_1RB_Left	20.36	/	/	20.44	/	/	<=30	Pass
		Inner_1RB_Right	20.91	/	/	20.99	/	/	<=30	Pass
CP-OFDM QPSK	3735	Edge_1RB_Left	21.11	/	/	21.19	/	/	<=30	Pass
		Edge_1RB_Right	21.64	/	/	21.72	/	/	<=30	Pass
		Outer_Full	22.06	/	/	22.14	/	/	<=30	Pass
		Inner_Full	23.57	/	/	23.65	/	/	<=30	Pass
		Inner_1RB_Left	23.01	/	/	23.09	/	/	<=30	Pass
		Inner_1RB_Right	23.53	/	/	23.61	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.80	/	/	21.88	/	/	<=30	Pass
		Edge_1RB_Right	21.59	/	/	21.67	/	/	<=30	Pass

		Outer_Full	22.25	/	/	22.33	/	/	<=30	Pass
		Inner_Full	23.63	/	/	23.71	/	/	<=30	Pass
		Inner_1RB_Left	23.75	/	/	23.83	/	/	<=30	Pass
		Inner_1RB_Right	23.47	/	/	23.55	/	/	<=30	Pass
	3945	Edge_1RB_Left	21.33	/	/	21.41	/	/	<=30	Pass
		Edge_1RB_Right	21.90	/	/	21.98	/	/	<=30	Pass
		Outer_Full	22.12	/	/	22.20	/	/	<=30	Pass
		Inner_Full	23.60	/	/	23.68	/	/	<=30	Pass
		Inner_1RB_Left	23.35	/	/	23.43	/	/	<=30	Pass
		Inner_1RB_Right	23.86	/	/	23.94	/	/	<=30	Pass
CP-OFDM 16 QAM	3735	Edge_1RB_Left	21.08	/	/	21.16	/	/	<=30	Pass
		Edge_1RB_Right	21.61	/	/	21.69	/	/	<=30	Pass
		Outer_Full	22.03	/	/	22.11	/	/	<=30	Pass
		Inner_Full	23.09	/	/	23.17	/	/	<=30	Pass
		Inner_1RB_Left	22.59	/	/	22.67	/	/	<=30	Pass
		Inner_1RB_Right	23.14	/	/	23.22	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.68	/	/	21.76	/	/	<=30	Pass
		Edge_1RB_Right	21.33	/	/	21.41	/	/	<=30	Pass
		Outer_Full	22.27	/	/	22.35	/	/	<=30	Pass
		Inner_Full	23.20	/	/	23.28	/	/	<=30	Pass
		Inner_1RB_Left	23.19	/	/	23.27	/	/	<=30	Pass
		Inner_1RB_Right	22.80	/	/	22.88	/	/	<=30	Pass
	3945	Edge_1RB_Left	21.17	/	/	21.25	/	/	<=30	Pass
		Edge_1RB_Right	21.78	/	/	21.86	/	/	<=30	Pass
		Outer_Full	22.12	/	/	22.20	/	/	<=30	Pass
		Inner_Full	23.12	/	/	23.20	/	/	<=30	Pass
		Inner_1RB_Left	22.56	/	/	22.64	/	/	<=30	Pass
		Inner_1RB_Right	23.16	/	/	23.24	/	/	<=30	Pass
CP-OFDM 64 QAM	3735	Edge_1RB_Left	21.44	/	/	21.52	/	/	<=30	Pass
		Edge_1RB_Right	21.95	/	/	22.03	/	/	<=30	Pass
		Outer_Full	21.53	/	/	21.61	/	/	<=30	Pass
		Inner_Full	21.61	/	/	21.69	/	/	<=30	Pass
		Inner_1RB_Left	21.43	/	/	21.51	/	/	<=30	Pass
		Inner_1RB_Right	22.00	/	/	22.08	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.04	/	/	22.12	/	/	<=30	Pass
		Edge_1RB_Right	21.71	/	/	21.79	/	/	<=30	Pass
		Outer_Full	21.76	/	/	21.84	/	/	<=30	Pass
		Inner_Full	21.71	/	/	21.79	/	/	<=30	Pass
		Inner_1RB_Left	22.00	/	/	22.08	/	/	<=30	Pass
		Inner_1RB_Right	21.75	/	/	21.83	/	/	<=30	Pass
	3945	Edge_1RB_Left	21.60	/	/	21.68	/	/	<=30	Pass
		Edge_1RB_Right	22.17	/	/	22.25	/	/	<=30	Pass
		Outer_Full	21.62	/	/	21.70	/	/	<=30	Pass
		Inner_Full	21.64	/	/	21.72	/	/	<=30	Pass
		Inner_1RB_Left	21.61	/	/	21.69	/	/	<=30	Pass
		Inner_1RB_Right	22.20	/	/	22.28	/	/	<=30	Pass
CP-OFDM 256 QAM	3735	Edge_1RB_Left	18.32	/	/	18.40	/	/	<=30	Pass
		Edge_1RB_Right	18.86	/	/	18.94	/	/	<=30	Pass
		Outer_Full	18.60	/	/	18.68	/	/	<=30	Pass
		Inner_Full	18.66	/	/	18.74	/	/	<=30	Pass
		Inner_1RB_Left	18.34	/	/	18.42	/	/	<=30	Pass
		Inner_1RB_Right	18.86	/	/	18.94	/	/	<=30	Pass
	3840	Edge_1RB_Left	18.92	/	/	19.00	/	/	<=30	Pass
		Edge_1RB_Right	18.61	/	/	18.69	/	/	<=30	Pass
		Outer_Full	18.82	/	/	18.90	/	/	<=30	Pass
		Inner_Full	18.81	/	/	18.89	/	/	<=30	Pass
		Inner_1RB_Left	18.95	/	/	19.03	/	/	<=30	Pass
		Inner_1RB_Right	18.62	/	/	18.70	/	/	<=30	Pass
	3945	Edge_1RB_Left	18.51	/	/	18.59	/	/	<=30	Pass

		Edge 1RB Right	19.05	/	/	19.13	/	/	<=30	Pass
		Outer Full	18.63	/	/	18.71	/	/	<=30	Pass
		Inner Full	18.63	/	/	18.71	/	/	<=30	Pass
		Inner 1RB Left	18.52	/	/	18.60	/	/	<=30	Pass
		Inner 1RB Right	19.04	/	/	19.12	/	/	<=30	Pass
Note1: Antenna Gain: Ant0: 0.08dBi; 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
			Ant0	Ant2	Sum	Ant0	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3740.01	Edge 1RB Left	21.32	/	/	21.40	/	/	<=30	Pass
		Edge 1RB Right	21.64	/	/	21.72	/	/	<=30	Pass
		Outer Full	24.59	/	/	24.67	/	/	<=30	Pass
		Inner Full	25.11	/	/	25.19	/	/	<=30	Pass
		Inner 1RB Left	24.78	/	/	24.86	/	/	<=30	Pass
		Inner 1RB Right	25.08	/	/	25.16	/	/	<=30	Pass
	3840	Edge 1RB Left	21.80	/	/	21.88	/	/	<=30	Pass
		Edge 1RB Right	21.49	/	/	21.57	/	/	<=30	Pass
		Outer Full	24.79	/	/	24.87	/	/	<=30	Pass
		Inner Full	25.18	/	/	25.26	/	/	<=30	Pass
		Inner 1RB Left	25.31	/	/	25.39	/	/	<=30	Pass
		Inner 1RB Right	24.85	/	/	24.93	/	/	<=30	Pass
	3939.99	Edge 1RB Left	21.64	/	/	21.72	/	/	<=30	Pass
		Edge 1RB Right	21.85	/	/	21.93	/	/	<=30	Pass
		Outer Full	24.49	/	/	24.57	/	/	<=30	Pass
		Inner Full	25.04	/	/	25.12	/	/	<=30	Pass
		Inner 1RB Left	25.14	/	/	25.22	/	/	<=30	Pass
		Inner 1RB Right	25.30	/	/	25.38	/	/	<=30	Pass
DFT-s-OFDM QPSK	3740.01	Edge 1RB Left	21.29	/	/	21.37	/	/	<=30	Pass
		Edge 1RB Right	21.64	/	/	21.72	/	/	<=30	Pass
		Outer Full	24.05	/	/	24.13	/	/	<=30	Pass
		Inner Full	25.06	/	/	25.14	/	/	<=30	Pass
		Inner 1RB Left	24.77	/	/	24.85	/	/	<=30	Pass
		Inner 1RB Right	25.06	/	/	25.14	/	/	<=30	Pass
	3840	Edge 1RB Left	21.81	/	/	21.89	/	/	<=30	Pass
		Edge 1RB Right	21.43	/	/	21.51	/	/	<=30	Pass
		Outer Full	24.23	/	/	24.31	/	/	<=30	Pass
		Inner Full	25.14	/	/	25.22	/	/	<=30	Pass
		Inner 1RB Left	25.20	/	/	25.28	/	/	<=30	Pass
		Inner 1RB Right	24.86	/	/	24.94	/	/	<=30	Pass
	3939.99	Edge 1RB Left	21.64	/	/	21.72	/	/	<=30	Pass
		Edge 1RB Right	21.82	/	/	21.90	/	/	<=30	Pass
		Outer Full	24.05	/	/	24.13	/	/	<=30	Pass
		Inner Full	25.00	/	/	25.08	/	/	<=30	Pass
		Inner 1RB Left	25.09	/	/	25.17	/	/	<=30	Pass
		Inner 1RB Right	25.23	/	/	25.31	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3740.01	Edge 1RB Left	21.08	/	/	21.16	/	/	<=30	Pass
		Edge 1RB Right	21.54	/	/	21.62	/	/	<=30	Pass
		Outer Full	23.01	/	/	23.09	/	/	<=30	Pass
		Inner Full	24.11	/	/	24.19	/	/	<=30	Pass
		Inner 1RB Left	23.55	/	/	23.63	/	/	<=30	Pass
		Inner 1RB Right	24.04	/	/	24.12	/	/	<=30	Pass
	3840	Edge 1RB Left	21.70	/	/	21.78	/	/	<=30	Pass
		Edge 1RB Right	21.36	/	/	21.44	/	/	<=30	Pass
		Outer Full	23.21	/	/	23.29	/	/	<=30	Pass

		Inner_Full	24.22	/	/	24.30	/	/	<=30	Pass
		Inner_1RB_Left	24.07	/	/	24.15	/	/	<=30	Pass
		Inner_1RB_Right	23.71	/	/	23.79	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	21.47	/	/	21.55	/	/	<=30	Pass
		Edge_1RB_Right	21.73	/	/	21.81	/	/	<=30	Pass
		Outer_Full	23.02	/	/	23.10	/	/	<=30	Pass
		Inner_Full	24.11	/	/	24.19	/	/	<=30	Pass
		Inner_1RB_Left	23.92	/	/	24.00	/	/	<=30	Pass
		Inner_1RB_Right	24.11	/	/	24.19	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3740.01	Edge_1RB_Left	21.59	/	/	21.67	/	/	<=30	Pass
		Edge_1RB_Right	21.86	/	/	21.94	/	/	<=30	Pass
		Outer_Full	22.57	/	/	22.65	/	/	<=30	Pass
		Inner_Full	22.64	/	/	22.72	/	/	<=30	Pass
		Inner_1RB_Left	22.58	/	/	22.66	/	/	<=30	Pass
		Inner_1RB_Right	22.87	/	/	22.95	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.04	/	/	22.12	/	/	<=30	Pass
		Edge_1RB_Right	21.71	/	/	21.79	/	/	<=30	Pass
		Outer_Full	22.77	/	/	22.85	/	/	<=30	Pass
		Inner_Full	22.76	/	/	22.84	/	/	<=30	Pass
		Inner_1RB_Left	22.98	/	/	23.06	/	/	<=30	Pass
		Inner_1RB_Right	22.76	/	/	22.84	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	21.78	/	/	21.86	/	/	<=30	Pass
		Edge_1RB_Right	22.02	/	/	22.10	/	/	<=30	Pass
		Outer_Full	22.57	/	/	22.65	/	/	<=30	Pass
		Inner_Full	22.59	/	/	22.67	/	/	<=30	Pass
		Inner_1RB_Left	22.82	/	/	22.90	/	/	<=30	Pass
		Inner_1RB_Right	22.89	/	/	22.97	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3740.01	Edge_1RB_Left	20.35	/	/	20.43	/	/	<=30	Pass
		Edge_1RB_Right	20.67	/	/	20.75	/	/	<=30	Pass
		Outer_Full	20.57	/	/	20.65	/	/	<=30	Pass
		Inner_Full	20.68	/	/	20.76	/	/	<=30	Pass
		Inner_1RB_Left	20.38	/	/	20.46	/	/	<=30	Pass
		Inner_1RB_Right	20.68	/	/	20.76	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.85	/	/	20.93	/	/	<=30	Pass
		Edge_1RB_Right	20.50	/	/	20.58	/	/	<=30	Pass
		Outer_Full	20.80	/	/	20.88	/	/	<=30	Pass
		Inner_Full	20.85	/	/	20.93	/	/	<=30	Pass
		Inner_1RB_Left	20.85	/	/	20.93	/	/	<=30	Pass
		Inner_1RB_Right	20.55	/	/	20.63	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	20.61	/	/	20.69	/	/	<=30	Pass
		Edge_1RB_Right	20.84	/	/	20.92	/	/	<=30	Pass
		Outer_Full	20.59	/	/	20.67	/	/	<=30	Pass
		Inner_Full	20.62	/	/	20.70	/	/	<=30	Pass
		Inner_1RB_Left	20.59	/	/	20.67	/	/	<=30	Pass
		Inner_1RB_Right	20.82	/	/	20.90	/	/	<=30	Pass
CP-OFDM QPSK	3740.01	Edge_1RB_Left	21.26	/	/	21.34	/	/	<=30	Pass
		Edge_1RB_Right	21.60	/	/	21.68	/	/	<=30	Pass
		Outer_Full	22.06	/	/	22.14	/	/	<=30	Pass
		Inner_Full	23.57	/	/	23.65	/	/	<=30	Pass
		Inner_1RB_Left	23.18	/	/	23.26	/	/	<=30	Pass
		Inner_1RB_Right	23.68	/	/	23.76	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.82	/	/	21.90	/	/	<=30	Pass
		Edge_1RB_Right	21.48	/	/	21.56	/	/	<=30	Pass
		Outer_Full	22.21	/	/	22.29	/	/	<=30	Pass
		Inner_Full	23.68	/	/	23.76	/	/	<=30	Pass
		Inner_1RB_Left	23.91	/	/	23.99	/	/	<=30	Pass
		Inner_1RB_Right	23.27	/	/	23.35	/	/	<=30	Pass
	3939.99	Edge_1RB_Left	21.58	/	/	21.66	/	/	<=30	Pass
		Edge_1RB_Right	21.81	/	/	21.89	/	/	<=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
			Ant0	Ant2	Sum	Ant0	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3745.02	Edge_1RB_Left	21.23	/	/	21.31	/	/	<=30	Pass
		Edge_1RB_Right	21.92	/	/	22.00	/	/	<=30	Pass
		Outer_Full	24.59	/	/	24.67	/	/	<=30	Pass
		Inner_Full	25.10	/	/	25.18	/	/	<=30	Pass
		Inner_1RB_Left	24.68	/	/	24.76	/	/	<=30	Pass
		Inner_1RB_Right	25.45	/	/	25.53	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.73	/	/	21.81	/	/	<=30	Pass
		Edge_1RB_Right	21.50	/	/	21.58	/	/	<=30	Pass
		Outer_Full	24.73	/	/	24.81	/	/	<=30	Pass
		Inner_Full	25.21	/	/	25.29	/	/	<=30	Pass
		Inner_1RB_Left	25.20	/	/	25.28	/	/	<=30	Pass
		Inner_1RB_Right	24.90	/	/	24.98	/	/	<=30	Pass
	3934.98	Edge_1RB_Left	21.55	/	/	21.63	/	/	<=30	Pass
		Edge_1RB_Right	21.66	/	/	21.74	/	/	<=30	Pass
		Outer_Full	24.50	/	/	24.58	/	/	<=30	Pass
		Inner_Full	24.93	/	/	25.01	/	/	<=30	Pass
		Inner_1RB_Left	25.13	/	/	25.21	/	/	<=30	Pass
		Inner_1RB_Right	25.11	/	/	25.19	/	/	<=30	Pass
DFT-s-OFDM QPSK	3745.02	Edge_1RB_Left	21.20	/	/	21.28	/	/	<=30	Pass
		Edge_1RB_Right	21.94	/	/	22.02	/	/	<=30	Pass
		Outer_Full	24.11	/	/	24.19	/	/	<=30	Pass
		Inner_Full	25.08	/	/	25.16	/	/	<=30	Pass
		Inner_1RB_Left	24.70	/	/	24.78	/	/	<=30	Pass
		Inner_1RB_Right	25.39	/	/	25.47	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.71	/	/	21.79	/	/	<=30	Pass
		Edge_1RB_Right	21.42	/	/	21.50	/	/	<=30	Pass
		Outer_Full	24.20	/	/	24.28	/	/	<=30	Pass
		Inner_Full	25.17	/	/	25.25	/	/	<=30	Pass
		Inner_1RB_Left	25.17	/	/	25.25	/	/	<=30	Pass
		Inner_1RB_Right	24.84	/	/	24.92	/	/	<=30	Pass
	3934.98	Edge_1RB_Left	21.56	/	/	21.64	/	/	<=30	Pass
		Edge_1RB_Right	21.62	/	/	21.70	/	/	<=30	Pass
		Outer_Full	24.02	/	/	24.10	/	/	<=30	Pass
		Inner_Full	24.97	/	/	25.05	/	/	<=30	Pass
		Inner_1RB_Left	25.08	/	/	25.16	/	/	<=30	Pass
		Inner_1RB_Right	25.10	/	/	25.18	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3745.02	Edge_1RB_Left	21.00	/	/	21.08	/	/	<=30	Pass
		Edge_1RB_Right	21.83	/	/	21.91	/	/	<=30	Pass
		Outer_Full	23.09	/	/	23.17	/	/	<=30	Pass
		Inner_Full	24.14	/	/	24.22	/	/	<=30	Pass
		Inner_1RB_Left	23.53	/	/	23.61	/	/	<=30	Pass
		Inner_1RB_Right	24.30	/	/	24.38	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.58	/	/	21.66	/	/	<=30	Pass
		Edge_1RB_Right	21.38	/	/	21.46	/	/	<=30	Pass
		Outer_Full	23.24	/	/	23.32	/	/	<=30	Pass
		Inner_Full	24.19	/	/	24.27	/	/	<=30	Pass
		Inner_1RB_Left	24.01	/	/	24.09	/	/	<=30	Pass
		Inner_1RB_Right	23.68	/	/	23.76	/	/	<=30	Pass
	3934.98	Edge_1RB_Left	21.33	/	/	21.41	/	/	<=30	Pass
		Edge_1RB_Right	21.52	/	/	21.60	/	/	<=30	Pass

		Outer_Full	23.07	/	/	23.15	/	/	<=30	Pass
		Inner_Full	24.05	/	/	24.13	/	/	<=30	Pass
		Inner_1RB_Left	23.81	/	/	23.89	/	/	<=30	Pass
		Inner_1RB_Right	23.93	/	/	24.01	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3745.02	Edge_1RB_Left	21.47	/	/	21.55	/	/	<=30	Pass
		Edge_1RB_Right	22.16	/	/	22.24	/	/	<=30	Pass
		Outer_Full	22.63	/	/	22.71	/	/	<=30	Pass
		Inner_Full	22.65	/	/	22.73	/	/	<=30	Pass
		Inner_1RB_Left	22.47	/	/	22.55	/	/	<=30	Pass
		Inner_1RB_Right	23.13	/	/	23.21	/	/	<=30	Pass
		Edge_1RB_Left	22.00	/	/	22.08	/	/	<=30	Pass
		Edge_1RB_Right	21.74	/	/	21.82	/	/	<=30	Pass
	3840	Outer_Full	22.73	/	/	22.81	/	/	<=30	Pass
		Inner_Full	22.79	/	/	22.87	/	/	<=30	Pass
		Inner_1RB_Left	22.92	/	/	23.00	/	/	<=30	Pass
		Inner_1RB_Right	22.67	/	/	22.75	/	/	<=30	Pass
	3934.98	Edge_1RB_Left	21.79	/	/	21.87	/	/	<=30	Pass
		Edge_1RB_Right	21.81	/	/	21.89	/	/	<=30	Pass
		Outer_Full	22.58	/	/	22.66	/	/	<=30	Pass
		Inner_Full	22.59	/	/	22.67	/	/	<=30	Pass
		Inner_1RB_Left	22.72	/	/	22.80	/	/	<=30	Pass
		Inner_1RB_Right	22.75	/	/	22.83	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3745.02	Edge_1RB_Left	20.21	/	/	20.29	/	/	<=30	Pass
		Edge_1RB_Right	20.94	/	/	21.02	/	/	<=30	Pass
		Outer_Full	20.64	/	/	20.72	/	/	<=30	Pass
		Inner_Full	20.68	/	/	20.76	/	/	<=30	Pass
		Inner_1RB_Left	20.22	/	/	20.30	/	/	<=30	Pass
		Inner_1RB_Right	20.93	/	/	21.01	/	/	<=30	Pass
	3840	Edge_1RB_Left	20.73	/	/	20.81	/	/	<=30	Pass
		Edge_1RB_Right	20.47	/	/	20.55	/	/	<=30	Pass
		Outer_Full	20.80	/	/	20.88	/	/	<=30	Pass
		Inner_Full	20.79	/	/	20.87	/	/	<=30	Pass
		Inner_1RB_Left	20.73	/	/	20.81	/	/	<=30	Pass
		Inner_1RB_Right	20.47	/	/	20.55	/	/	<=30	Pass
	3934.98	Edge_1RB_Left	20.54	/	/	20.62	/	/	<=30	Pass
		Edge_1RB_Right	20.63	/	/	20.71	/	/	<=30	Pass
		Outer_Full	20.57	/	/	20.65	/	/	<=30	Pass
		Inner_Full	20.61	/	/	20.69	/	/	<=30	Pass
		Inner_1RB_Left	20.54	/	/	20.62	/	/	<=30	Pass
		Inner_1RB_Right	20.60	/	/	20.68	/	/	<=30	Pass
CP-OFDM QPSK	3745.02	Edge_1RB_Left	21.10	/	/	21.18	/	/	<=30	Pass
		Edge_1RB_Right	21.85	/	/	21.93	/	/	<=30	Pass
		Outer_Full	22.10	/	/	22.18	/	/	<=30	Pass
		Inner_Full	23.57	/	/	23.65	/	/	<=30	Pass
		Inner_1RB_Left	23.07	/	/	23.15	/	/	<=30	Pass
		Inner_1RB_Right	23.94	/	/	24.02	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.80	/	/	21.88	/	/	<=30	Pass
		Edge_1RB_Right	21.43	/	/	21.51	/	/	<=30	Pass
		Outer_Full	22.23	/	/	22.31	/	/	<=30	Pass
		Inner_Full	23.69	/	/	23.77	/	/	<=30	Pass
		Inner_1RB_Left	23.78	/	/	23.86	/	/	<=30	Pass
		Inner_1RB_Right	23.38	/	/	23.46	/	/	<=30	Pass
	3934.98	Edge_1RB_Left	21.53	/	/	21.61	/	/	<=30	Pass
		Edge_1RB_Right	21.65	/	/	21.73	/	/	<=30	Pass
		Outer_Full	22.07	/	/	22.15	/	/	<=30	Pass
		Inner_Full	23.49	/	/	23.57	/	/	<=30	Pass
		Inner_1RB_Left	23.48	/	/	23.56	/	/	<=30	Pass
		Inner_1RB_Right	23.46	/	/	23.54	/	/	<=30	Pass
CP-OFDM 16 QAM	3745.02	Edge_1RB_Left	21.03	/	/	21.11	/	/	<=30	Pass

		Edge_1RB_Right	21.86	/	/	21.94	/	/	<=30	Pass
		Outer_Full	22.08	/	/	22.16	/	/	<=30	Pass
		Inner_Full	23.12	/	/	23.20	/	/	<=30	Pass
		Inner_1RB_Left	22.60	/	/	22.68	/	/	<=30	Pass
		Inner_1RB_Right	23.34	/	/	23.42	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.56	/	/	21.64	/	/	<=30	Pass
		Edge_1RB_Right	21.42	/	/	21.50	/	/	<=30	Pass
		Outer_Full	22.18	/	/	22.26	/	/	<=30	Pass
		Inner_Full	23.21	/	/	23.29	/	/	<=30	Pass
		Inner_1RB_Left	23.00	/	/	23.08	/	/	<=30	Pass
	3934.98	Inner_1RB_Right	22.81	/	/	22.89	/	/	<=30	Pass
		Edge_1RB_Left	21.35	/	/	21.43	/	/	<=30	Pass
		Edge_1RB_Right	21.50	/	/	21.58	/	/	<=30	Pass
		Outer_Full	22.08	/	/	22.16	/	/	<=30	Pass
		Inner_Full	23.01	/	/	23.09	/	/	<=30	Pass
	CP-OFDM 64 QAM	3745.02	Inner_1RB_Left	22.81	/	/	22.89	/	/	<=30
Inner_1RB_Right			22.90	/	/	22.98	/	/	<=30	Pass
Edge_1RB_Left			21.48	/	/	21.56	/	/	<=30	Pass
Edge_1RB_Right			22.20	/	/	22.28	/	/	<=30	Pass
Outer_Full			21.59	/	/	21.67	/	/	<=30	Pass
3840		Inner_Full	21.65	/	/	21.73	/	/	<=30	Pass
		Inner_1RB_Left	21.51	/	/	21.59	/	/	<=30	Pass
		Inner_1RB_Right	22.19	/	/	22.27	/	/	<=30	Pass
		Edge_1RB_Left	21.92	/	/	22.00	/	/	<=30	Pass
		Edge_1RB_Right	21.73	/	/	21.81	/	/	<=30	Pass
3934.98		Outer_Full	21.74	/	/	21.82	/	/	<=30	Pass
		Inner_Full	21.77	/	/	21.85	/	/	<=30	Pass
		Inner_1RB_Left	22.02	/	/	22.10	/	/	<=30	Pass
		Inner_1RB_Right	21.79	/	/	21.87	/	/	<=30	Pass
		Edge_1RB_Left	21.79	/	/	21.87	/	/	<=30	Pass
CP-OFDM 256 QAM		3745.02	Edge_1RB_Right	21.90	/	/	21.98	/	/	<=30
	Outer_Full		21.58	/	/	21.66	/	/	<=30	Pass
	Inner_Full		21.57	/	/	21.65	/	/	<=30	Pass
	Inner_1RB_Left		21.84	/	/	21.92	/	/	<=30	Pass
	Inner_1RB_Right		21.83	/	/	21.91	/	/	<=30	Pass
	3840	Edge_1RB_Left	18.33	/	/	18.41	/	/	<=30	Pass
		Edge_1RB_Right	19.06	/	/	19.14	/	/	<=30	Pass
		Outer_Full	18.64	/	/	18.72	/	/	<=30	Pass
		Inner_Full	18.70	/	/	18.78	/	/	<=30	Pass
		Inner_1RB_Left	18.37	/	/	18.45	/	/	<=30	Pass
	3934.98	Inner_1RB_Right	19.05	/	/	19.13	/	/	<=30	Pass
		Edge_1RB_Left	18.87	/	/	18.95	/	/	<=30	Pass
		Edge_1RB_Right	18.65	/	/	18.73	/	/	<=30	Pass
		Outer_Full	18.79	/	/	18.87	/	/	<=30	Pass
		Inner_Full	18.83	/	/	18.91	/	/	<=30	Pass
		Inner_1RB_Left	18.92	/	/	19.00	/	/	<=30	Pass
Inner_1RB_Right		18.62	/	/	18.70	/	/	<=30	Pass	
Edge_1RB_Left		18.71	/	/	18.79	/	/	<=30	Pass	
Edge_1RB_Right		18.78	/	/	18.86	/	/	<=30	Pass	
Outer_Full		18.59	/	/	18.67	/	/	<=30	Pass	
	Inner_Full	18.59	/	/	18.67	/	/	<=30	Pass	
	Inner_1RB_Left	18.70	/	/	18.78	/	/	<=30	Pass	
	Inner_1RB_Right	18.77	/	/	18.85	/	/	<=30	Pass	
Note1: Antenna Gain: Ant0: 0.08dBi; 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
			Ant0	Ant2	Sum	Ant0	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3750	Edge 1RB Left	21.32	/	/	21.40	/	/	<=30	Pass
		Edge 1RB Right	21.95	/	/	22.03	/	/	<=30	Pass
		Outer Full	24.62	/	/	24.70	/	/	<=30	Pass
		Inner Full	25.06	/	/	25.14	/	/	<=30	Pass
		Inner 1RB Left	24.83	/	/	24.91	/	/	<=30	Pass
		Inner 1RB Right	25.46	/	/	25.54	/	/	<=30	Pass
	3840	Edge 1RB Left	21.66	/	/	21.74	/	/	<=30	Pass
		Edge 1RB Right	21.58	/	/	21.66	/	/	<=30	Pass
		Outer Full	24.77	/	/	24.85	/	/	<=30	Pass
		Inner Full	25.22	/	/	25.30	/	/	<=30	Pass
		Inner 1RB Left	25.15	/	/	25.23	/	/	<=30	Pass
		Inner 1RB Right	25.08	/	/	25.16	/	/	<=30	Pass
	3930	Edge 1RB Left	21.34	/	/	21.42	/	/	<=30	Pass
		Edge 1RB Right	21.83	/	/	21.91	/	/	<=30	Pass
		Outer Full	24.51	/	/	24.59	/	/	<=30	Pass
		Inner Full	25.04	/	/	25.12	/	/	<=30	Pass
		Inner 1RB Left	24.91	/	/	24.99	/	/	<=30	Pass
DFT-s-OFDM QPSK	3750	Inner 1RB Right	25.31	/	/	25.39	/	/	<=30	Pass
		Edge 1RB Left	21.30	/	/	21.38	/	/	<=30	Pass
		Edge 1RB Right	21.95	/	/	22.03	/	/	<=30	Pass
		Outer Full	24.06	/	/	24.14	/	/	<=30	Pass
		Inner Full	25.09	/	/	25.17	/	/	<=30	Pass
	3840	Inner 1RB Left	24.76	/	/	24.84	/	/	<=30	Pass
		Inner 1RB Right	25.44	/	/	25.52	/	/	<=30	Pass
		Edge 1RB Left	21.61	/	/	21.69	/	/	<=30	Pass
		Edge 1RB Right	21.55	/	/	21.63	/	/	<=30	Pass
		Outer Full	24.21	/	/	24.29	/	/	<=30	Pass
	3930	Inner Full	25.11	/	/	25.19	/	/	<=30	Pass
		Inner 1RB Left	25.19	/	/	25.27	/	/	<=30	Pass
		Inner 1RB Right	25.01	/	/	25.09	/	/	<=30	Pass
		Edge 1RB Left	21.29	/	/	21.37	/	/	<=30	Pass
		Edge 1RB Right	21.82	/	/	21.90	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3750	Outer Full	24.02	/	/	24.10	/	/	<=30	Pass
		Inner Full	24.99	/	/	25.07	/	/	<=30	Pass
		Inner 1RB Left	24.81	/	/	24.89	/	/	<=30	Pass
		Inner 1RB Right	25.26	/	/	25.34	/	/	<=30	Pass
		Edge 1RB Left	21.11	/	/	21.19	/	/	<=30	Pass
	3840	Edge 1RB Right	21.82	/	/	21.90	/	/	<=30	Pass
		Outer Full	23.09	/	/	23.17	/	/	<=30	Pass
		Inner Full	24.13	/	/	24.21	/	/	<=30	Pass
		Inner 1RB Left	23.63	/	/	23.71	/	/	<=30	Pass
		Inner 1RB Right	24.20	/	/	24.28	/	/	<=30	Pass
	3930	Edge 1RB Left	21.53	/	/	21.61	/	/	<=30	Pass
		Edge 1RB Right	21.44	/	/	21.52	/	/	<=30	Pass
		Outer Full	23.24	/	/	23.32	/	/	<=30	Pass
		Inner Full	24.21	/	/	24.29	/	/	<=30	Pass
		Inner 1RB Left	23.86	/	/	23.94	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3750	Inner 1RB Right	23.81	/	/	23.89	/	/	<=30	Pass
		Edge 1RB Left	21.18	/	/	21.26	/	/	<=30	Pass
		Edge 1RB Right	21.63	/	/	21.71	/	/	<=30	Pass
		Outer Full	23.06	/	/	23.14	/	/	<=30	Pass
		Inner Full	24.08	/	/	24.16	/	/	<=30	Pass
		Inner 1RB Left	23.62	/	/	23.70	/	/	<=30	Pass
		Inner 1RB Right	24.08	/	/	24.16	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3750	Edge 1RB Left	21.58	/	/	21.66	/	/	<=30	Pass
		Edge 1RB Right	22.13	/	/	22.21	/	/	<=30	Pass

		Outer_Full	22.61	/	/	22.69	/	/	<=30	Pass
		Inner_Full	22.64	/	/	22.72	/	/	<=30	Pass
		Inner_1RB_Left	22.54	/	/	22.62	/	/	<=30	Pass
		Inner_1RB_Right	23.20	/	/	23.28	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.87	/	/	21.95	/	/	<=30	Pass
		Edge_1RB_Right	21.80	/	/	21.88	/	/	<=30	Pass
		Outer_Full	22.78	/	/	22.86	/	/	<=30	Pass
		Inner_Full	22.80	/	/	22.88	/	/	<=30	Pass
		Inner_1RB_Left	22.82	/	/	22.90	/	/	<=30	Pass
		Inner_1RB_Right	22.72	/	/	22.80	/	/	<=30	Pass
	3930	Edge_1RB_Left	21.48	/	/	21.56	/	/	<=30	Pass
		Edge_1RB_Right	21.94	/	/	22.02	/	/	<=30	Pass
		Outer_Full	22.58	/	/	22.66	/	/	<=30	Pass
		Inner_Full	22.60	/	/	22.68	/	/	<=30	Pass
		Inner_1RB_Left	22.43	/	/	22.51	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3750	Inner_1RB_Right	22.86	/	/	22.94	/	/	<=30	Pass
		Edge_1RB_Left	20.34	/	/	20.42	/	/	<=30	Pass
		Edge_1RB_Right	20.96	/	/	21.04	/	/	<=30	Pass
		Outer_Full	20.62	/	/	20.70	/	/	<=30	Pass
		Inner_Full	20.70	/	/	20.78	/	/	<=30	Pass
		Inner_1RB_Left	20.35	/	/	20.43	/	/	<=30	Pass
	3840	Inner_1RB_Right	20.94	/	/	21.02	/	/	<=30	Pass
		Edge_1RB_Left	20.62	/	/	20.70	/	/	<=30	Pass
		Edge_1RB_Right	20.60	/	/	20.68	/	/	<=30	Pass
		Outer_Full	20.81	/	/	20.89	/	/	<=30	Pass
		Inner_Full	20.83	/	/	20.91	/	/	<=30	Pass
	3930	Inner_1RB_Left	20.63	/	/	20.71	/	/	<=30	Pass
		Inner_1RB_Right	20.59	/	/	20.67	/	/	<=30	Pass
		Edge_1RB_Left	20.28	/	/	20.36	/	/	<=30	Pass
		Edge_1RB_Right	20.79	/	/	20.87	/	/	<=30	Pass
		Outer_Full	20.59	/	/	20.67	/	/	<=30	Pass
CP-OFDM QPSK	3750	Inner_Full	20.62	/	/	20.70	/	/	<=30	Pass
		Inner_1RB_Left	20.29	/	/	20.37	/	/	<=30	Pass
		Inner_1RB_Right	20.77	/	/	20.85	/	/	<=30	Pass
		Edge_1RB_Left	21.31	/	/	21.39	/	/	<=30	Pass
		Edge_1RB_Right	21.94	/	/	22.02	/	/	<=30	Pass
	3840	Outer_Full	22.06	/	/	22.14	/	/	<=30	Pass
		Inner_Full	23.58	/	/	23.66	/	/	<=30	Pass
		Inner_1RB_Left	23.27	/	/	23.35	/	/	<=30	Pass
		Inner_1RB_Right	23.85	/	/	23.93	/	/	<=30	Pass
		Edge_1RB_Left	21.68	/	/	21.76	/	/	<=30	Pass
	3930	Edge_1RB_Right	21.52	/	/	21.60	/	/	<=30	Pass
		Outer_Full	22.27	/	/	22.35	/	/	<=30	Pass
		Inner_Full	23.71	/	/	23.79	/	/	<=30	Pass
		Inner_1RB_Left	23.62	/	/	23.70	/	/	<=30	Pass
		Inner_1RB_Right	23.55	/	/	23.63	/	/	<=30	Pass
CP-OFDM 16 QAM	3750	Edge_1RB_Left	21.25	/	/	21.33	/	/	<=30	Pass
		Edge_1RB_Right	21.86	/	/	21.94	/	/	<=30	Pass
		Outer_Full	22.08	/	/	22.16	/	/	<=30	Pass
		Inner_Full	23.51	/	/	23.59	/	/	<=30	Pass
		Inner_1RB_Left	23.19	/	/	23.27	/	/	<=30	Pass
	3840	Inner_1RB_Right	23.65	/	/	23.73	/	/	<=30	Pass
		Edge_1RB_Left	21.17	/	/	21.25	/	/	<=30	Pass
		Edge_1RB_Right	21.80	/	/	21.88	/	/	<=30	Pass
		Outer_Full	22.07	/	/	22.15	/	/	<=30	Pass
		Inner_Full	23.10	/	/	23.18	/	/	<=30	Pass
	3930	Inner_1RB_Left	22.57	/	/	22.65	/	/	<=30	Pass
		Inner_1RB_Right	23.31	/	/	23.39	/	/	<=30	Pass
	3750	Edge_1RB_Left	21.48	/	/	21.56	/	/	<=30	Pass
		Edge_1RB_Right	21.80	/	/	21.88	/	/	<=30	Pass
	3840	Outer_Full	22.07	/	/	22.15	/	/	<=30	Pass
		Inner_Full	23.10	/	/	23.18	/	/	<=30	Pass
	3930	Inner_1RB_Left	22.57	/	/	22.65	/	/	<=30	Pass
		Inner_1RB_Right	23.31	/	/	23.39	/	/	<=30	Pass
	3750	Edge_1RB_Left	21.17	/	/	21.25	/	/	<=30	Pass
		Edge_1RB_Right	21.80	/	/	21.88	/	/	<=30	Pass
	3840	Outer_Full	22.07	/	/	22.15	/	/	<=30	Pass
		Inner_Full	23.10	/	/	23.18	/	/	<=30	Pass
	3930	Inner_1RB_Left	22.57	/	/	22.65	/	/	<=30	Pass
		Inner_1RB_Right	23.31	/	/	23.39	/	/	<=30	Pass

Note1: Antenna Gain: Ant0: 0.08dBi;
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	-6.90	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-7.00	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-7.60	-0.0020	>=-2.5 & <=2.5	Pass
			-20	NV	-3.90	-0.0010	>=-2.5 & <=2.5	Pass
			-10	NV	-6.10	-0.0016	>=-2.5 & <=2.5	Pass
			0	NV	-3.60	-0.0009	>=-2.5 & <=2.5	Pass
			10	NV	-3.10	-0.0008	>=-2.5 & <=2.5	Pass
			20	NV	-3.60	-0.0009	>=-2.5 & <=2.5	Pass
			30	NV	-4.90	-0.0013	>=-2.5 & <=2.5	Pass
			40	NV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
			50	NV	-6.50	-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	8.69	9.48	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	8.68	9.39	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	8.58	9.35	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	8.61	9.28	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	8.66	9.29	/	Pass
CP-OFDM QPSK	3840	Outer_Full	8.67	9.52	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	8.71	9.35	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	8.61	9.34	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	8.64	9.35	/	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	13.98	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	13.08	13.97	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	12.94	13.81	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	13.08	14.03	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	12.97	14.03	/	Pass
CP-OFDM QPSK	3840	Outer_Full	13.72	14.79	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	13.73	14.68	/	Pass

CP-OFDM 64 QAM	3840	Outer Full	13.72	14.56	/	Pass
CP-OFDM 256 QAM	3840	Outer Full	13.73	14.67	/	Pass

3.1.3 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 PI/2 BPSK	3840	Outer Full	18.22	19.23	/	Pass
DFT-s-OFDM QPSK	3840	Outer Full	18.10	19.28	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer Full	18.11	19.34	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer Full	18.13	19.33	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer Full	18.09	19.30	/	Pass
CP-OFDM QPSK	3840	Outer Full	18.43	19.59	/	Pass
CP-OFDM 16 QAM	3840	Outer Full	18.41	19.72	/	Pass
CP-OFDM 64 QAM	3840	Outer Full	18.32	19.66	/	Pass
CP-OFDM 256 QAM	3840	Outer Full	18.38	19.69	/	Pass

3.1.4 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 PI/2 BPSK	3840	Outer Full	23.08	24.65	/	Pass
DFT-s-OFDM QPSK	3840	Outer Full	23.18	24.50	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer Full	23.09	24.68	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer Full	23.19	24.65	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer Full	22.92	24.62	/	Pass
CP-OFDM QPSK	3840	Outer Full	23.48	24.95	/	Pass
CP-OFDM 16 QAM	3840	Outer Full	23.52	24.85	/	Pass
CP-OFDM 64 QAM	3840	Outer Full	23.38	24.80	/	Pass
CP-OFDM 256 QAM	3840	Outer Full	23.45	24.94	/	Pass

3.1.5 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 PI/2 BPSK	3840	Outer Full	27.21	28.95	/	Pass
DFT-s-OFDM QPSK	3840	Outer Full	27.02	29.07	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer Full	27.02	28.98	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer Full	26.93	28.89	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer Full	26.85	28.90	/	Pass
CP-OFDM QPSK	3840	Outer Full	28.18	30.16	/	Pass
CP-OFDM 16 QAM	3840	Outer Full	28.16	29.94	/	Pass
CP-OFDM 64 QAM	3840	Outer Full	28.18	30.04	/	Pass
CP-OFDM 256 QAM	3840	Outer Full	28.18	29.98	/	Pass

3.1.6 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 PI/2 BPSK	3840	Outer_Full	36.01	38.67	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	36.04	38.72	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	36.20	38.48	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	36.03	38.35	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	36.10	38.73	/	Pass
CP-OFDM QPSK	3840	Outer_Full	38.18	40.82	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	38.18	40.61	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	38.16	40.44	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	38.12	40.78	/	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	46.31	49.14	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	46.14	49.26	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	46.03	49.13	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	45.99	49.20	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	45.94	48.93	/	Pass
CP-OFDM QPSK	3840	Outer_Full	47.86	51.07	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	47.83	50.93	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	47.81	51.05	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	47.89	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	58.56	62.07	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	58.26	62.31	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	58.35	61.80	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	58.12	62.31	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	58.36	62.32	/	Pass
CP-OFDM QPSK	3840	Outer_Full	58.10	62.21	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	58.19	61.90	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	58.55	61.80	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	58.24	62.19	/	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	65.13	69.34	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	65.06	69.58	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	64.84	68.64	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	64.80	69.57	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	65.05	69.33	/	Pass
CP-OFDM QPSK	3840	Outer_Full	68.19	72.73	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	67.77	72.32	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	68.12	72.62	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	68.03	72.74	/	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	77.78	82.76	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	77.84	82.87	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	77.65	82.86	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	78.05	82.92	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	77.91	82.36	/	Pass
CP-OFDM QPSK	3840	Outer_Full	78.17	82.75	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	78.31	82.78	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	78.31	83.05	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	78.17	83.14	/	Pass

3.1.11 30k_SISO_90MHz_NTNV

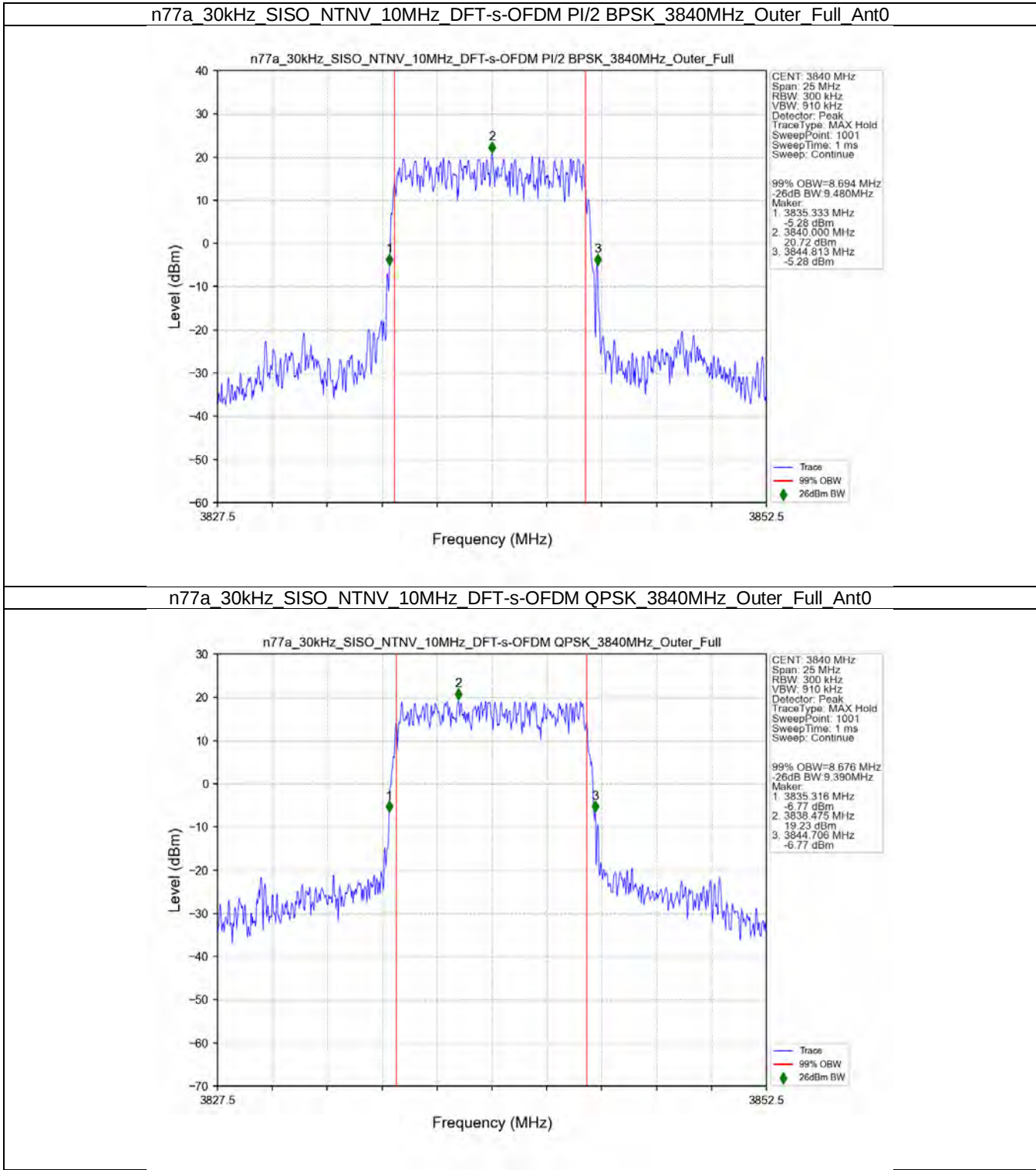
5G NR n77a SCS=30kHz SISO 90MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3840	Outer_Full	87.43	93.08	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	87.50	92.92	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	87.18	92.86	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	87.63	93.12	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	87.73	92.72	/	Pass
CP-OFDM QPSK	3840	Outer_Full	88.11	93.75	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	88.17	93.53	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	88.25	93.54	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	88.12	93.94	/	Pass

3.1.12 30k_SISO_100MHz_NTNV

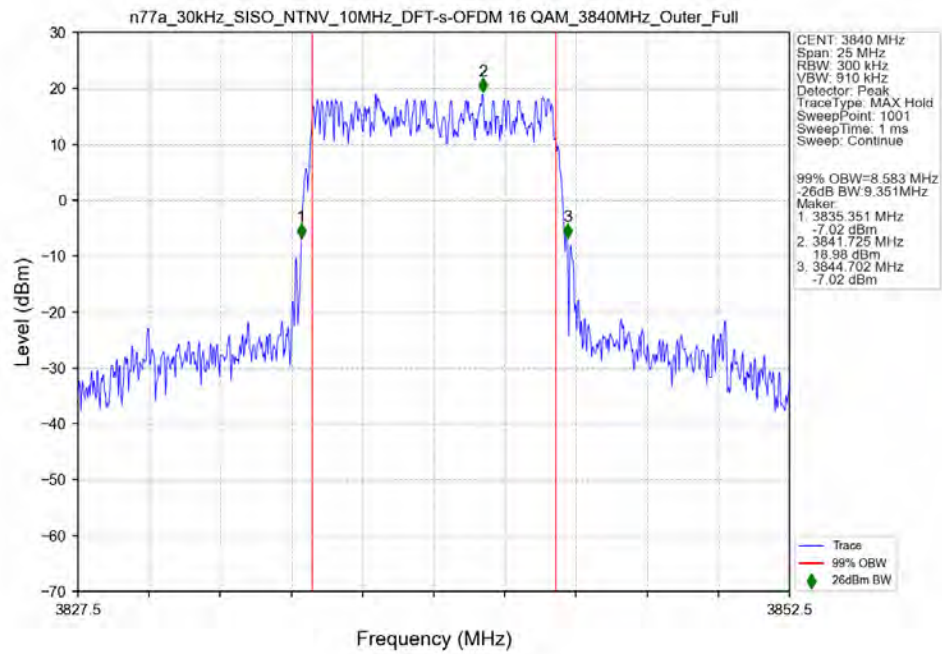
5G NR n77a SCS=30kHz SISO 100MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3840	Outer_Full	97.50	102.92	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	97.11	103.82	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	97.14	103.62	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	96.88	103.47	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	97.42	103.30	/	Pass
CP-OFDM QPSK	3840	Outer_Full	98.36	104.44	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	98.26	104.43	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	98.19	104.76	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	98.67	104.22	/	Pass

3.2 Test Graph

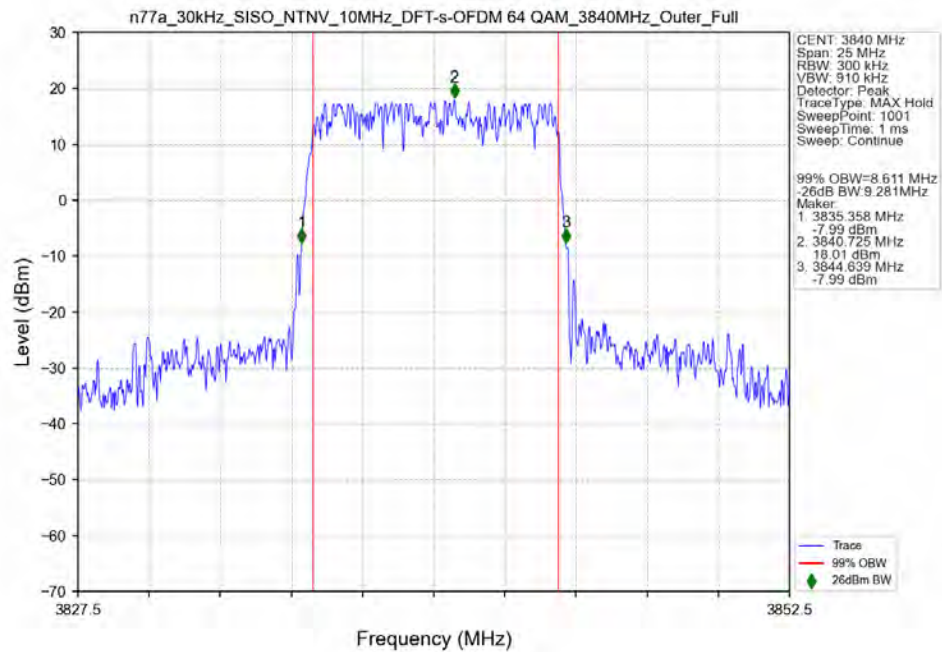
3.2.1 30k_SISO_10MHz_NTNV



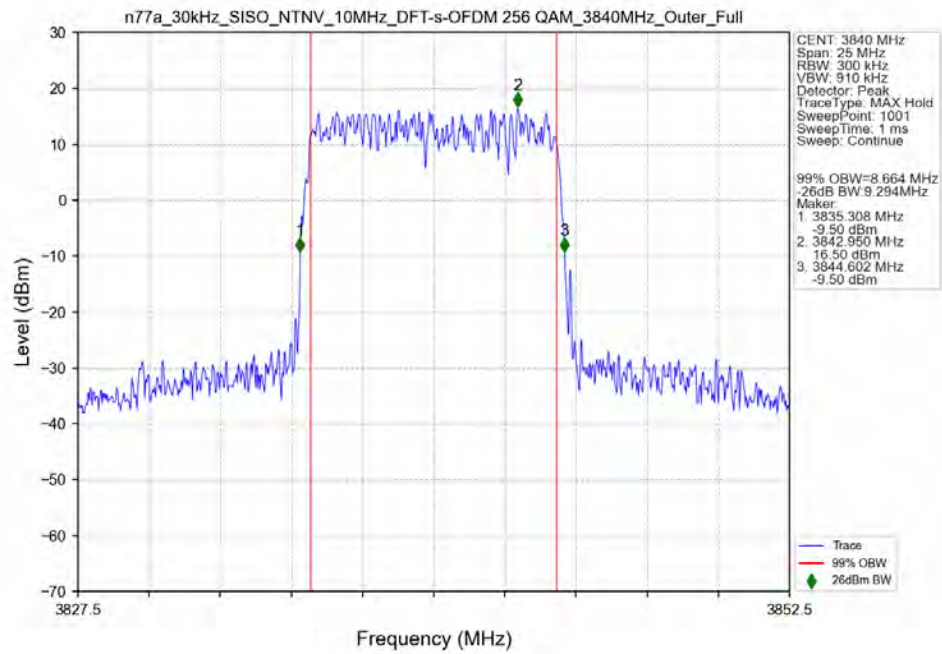
n77a_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_3840MHz_Outer_Full_Ant0



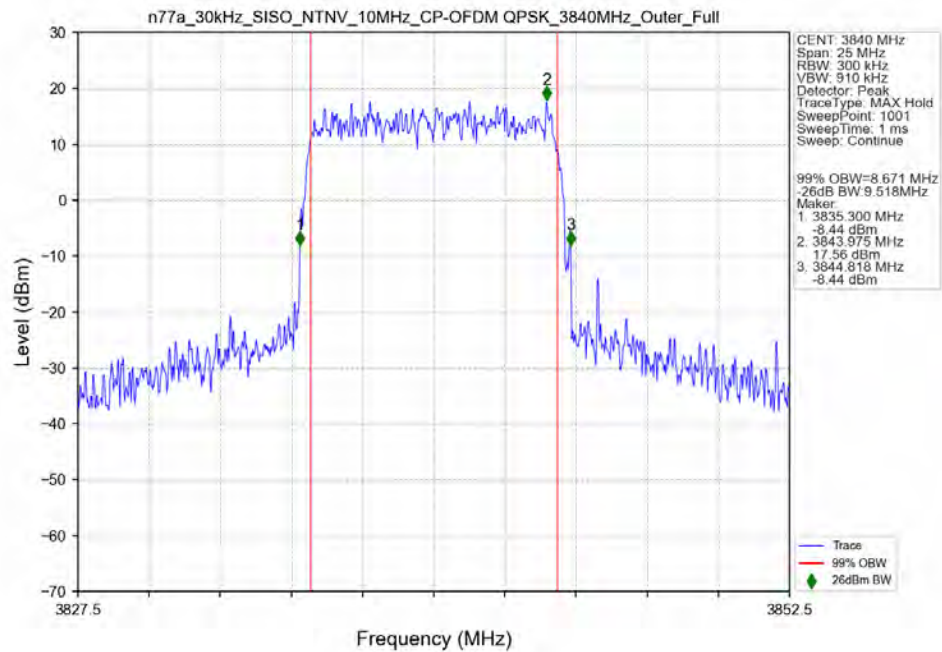
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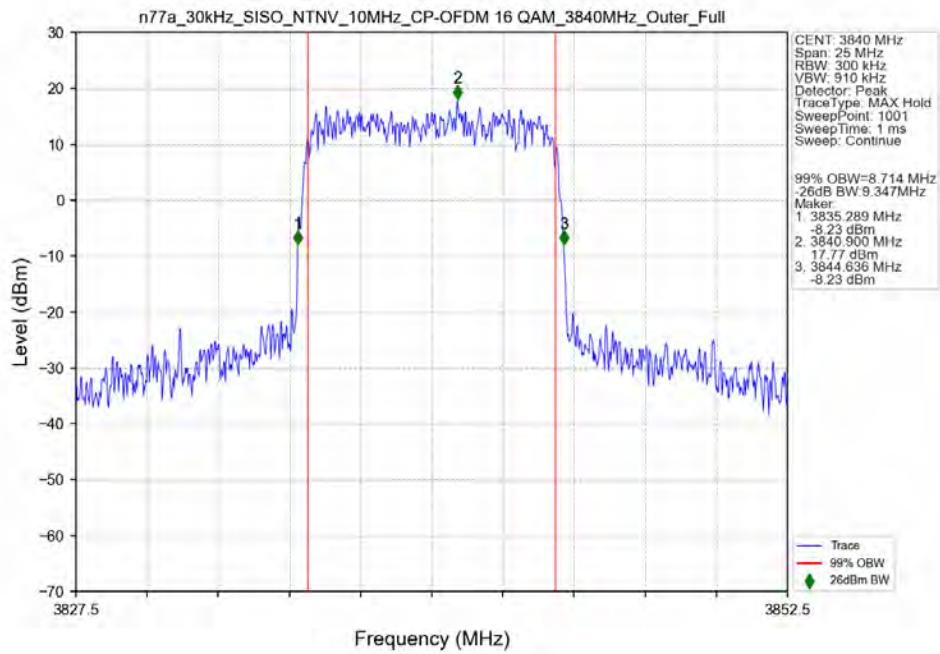
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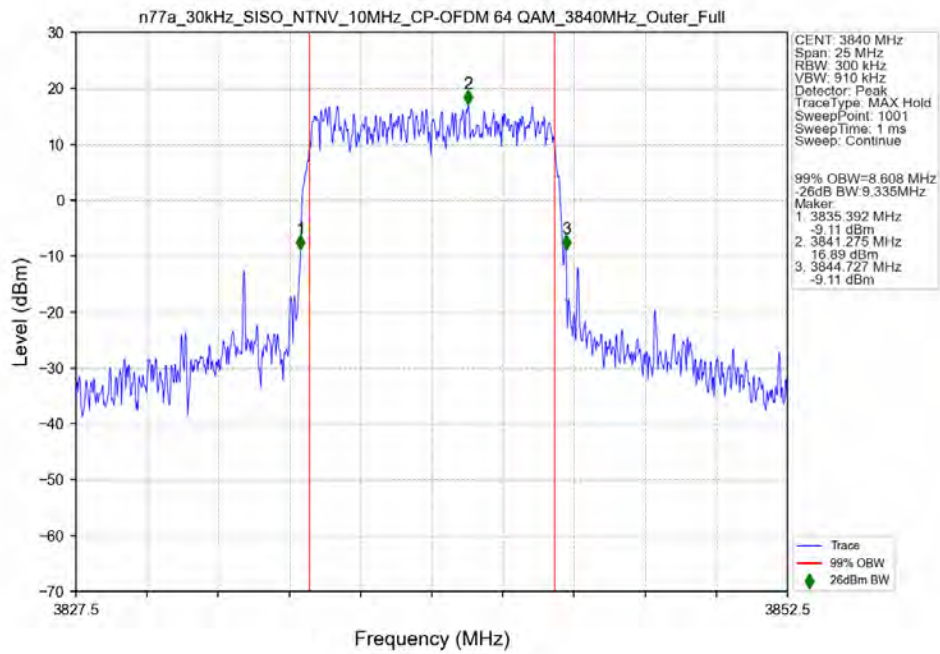
n77a_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_3840MHz_Outer_Full_Ant0



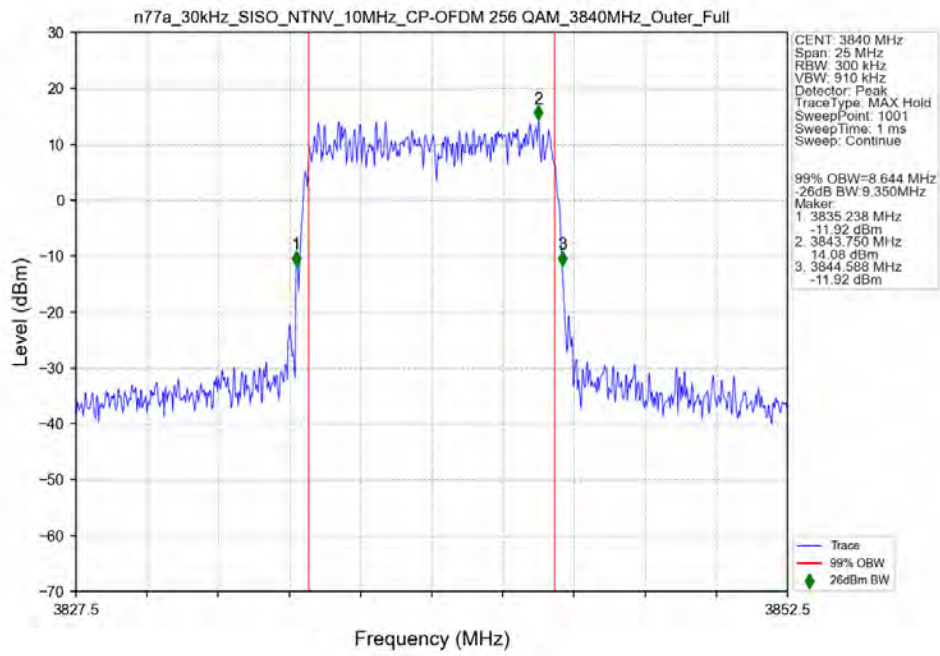
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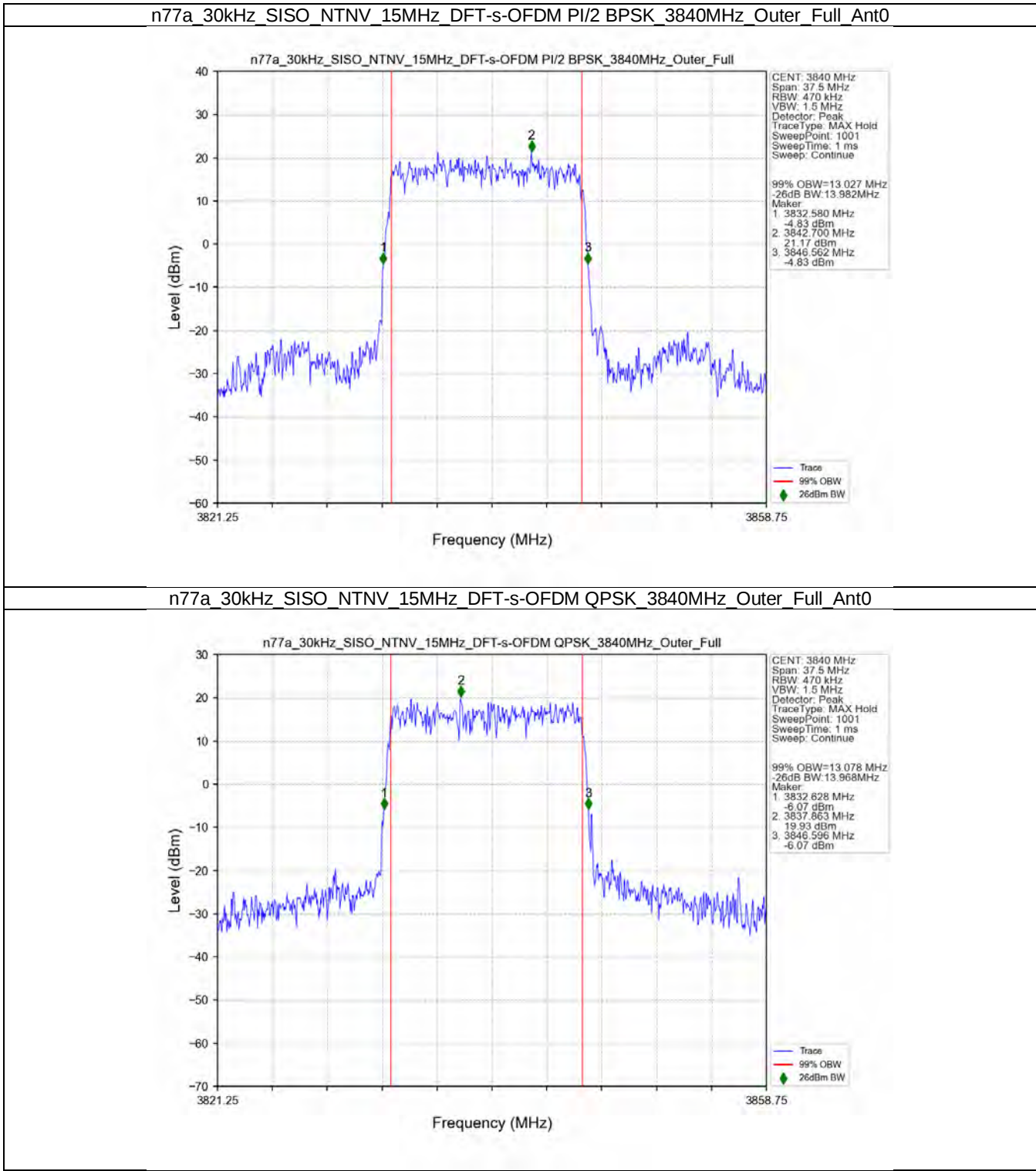
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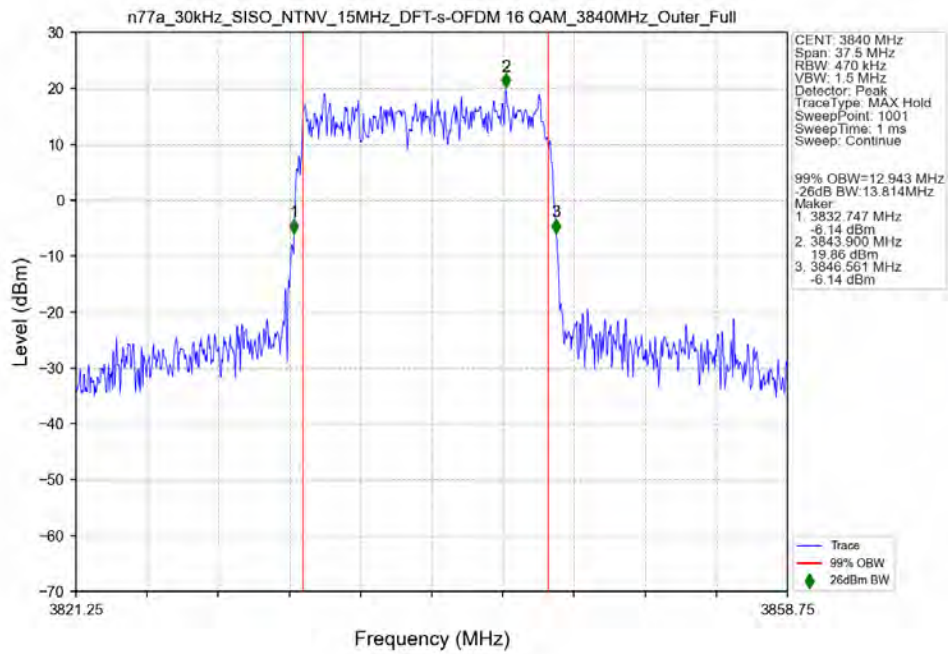
n77a 30kHz SISO NTN 10MHz CP-OFDM 256 QAM 3840MHz Outer Full Ant0



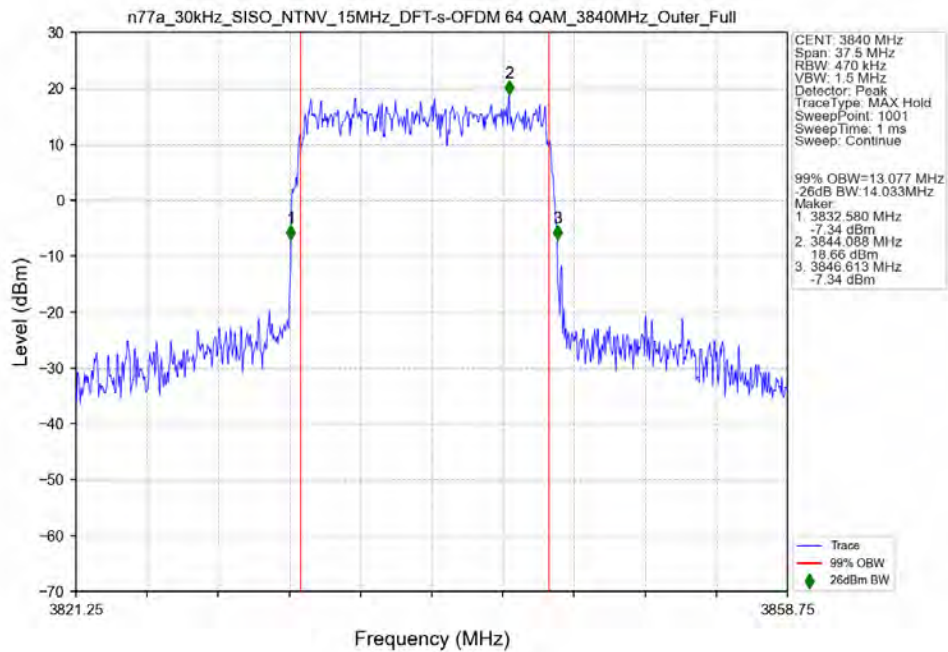
3.2.2 30k_SISO_15MHz_NTNV



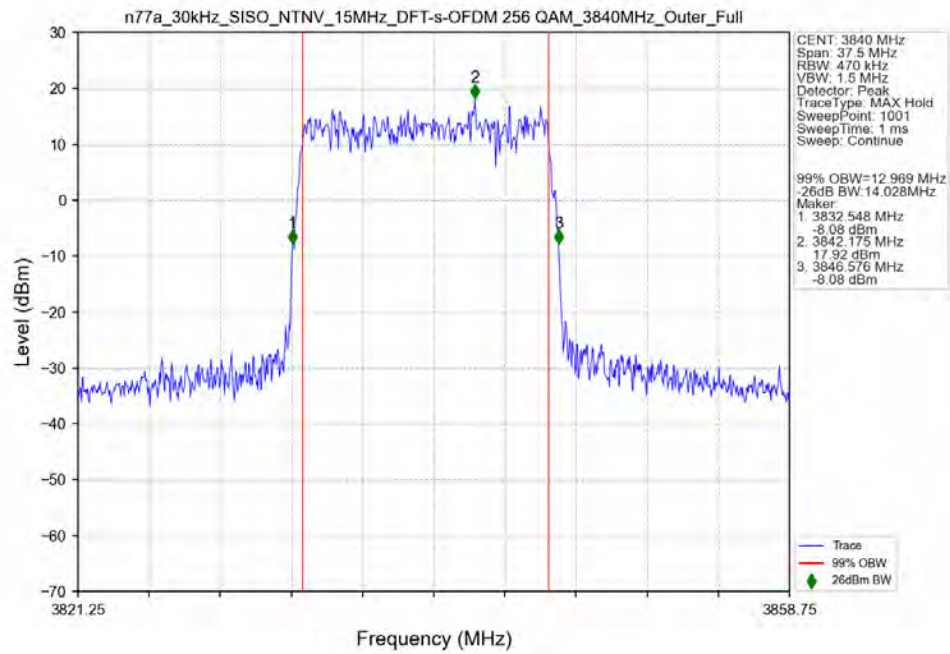
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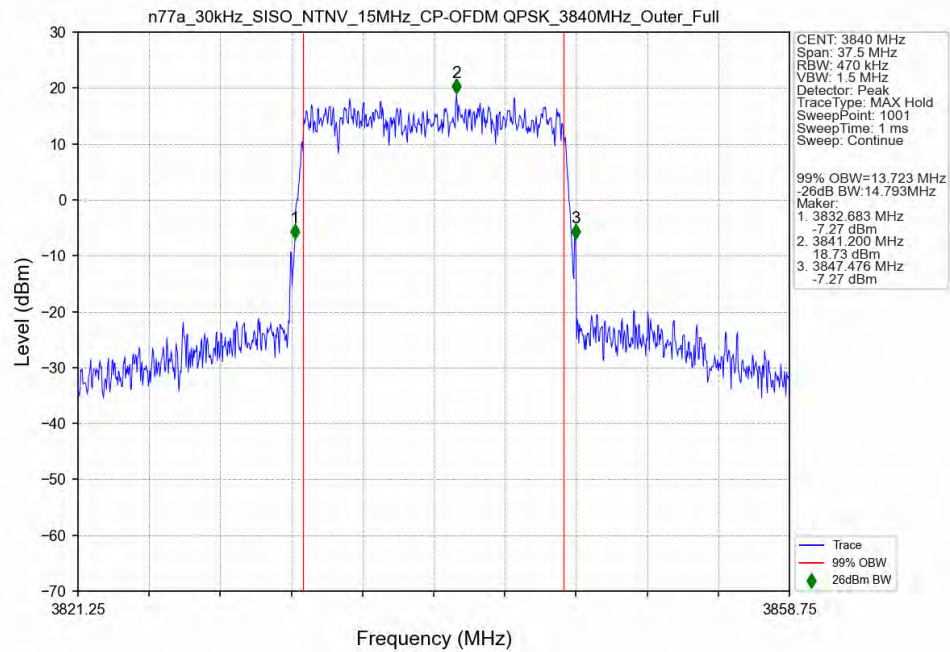
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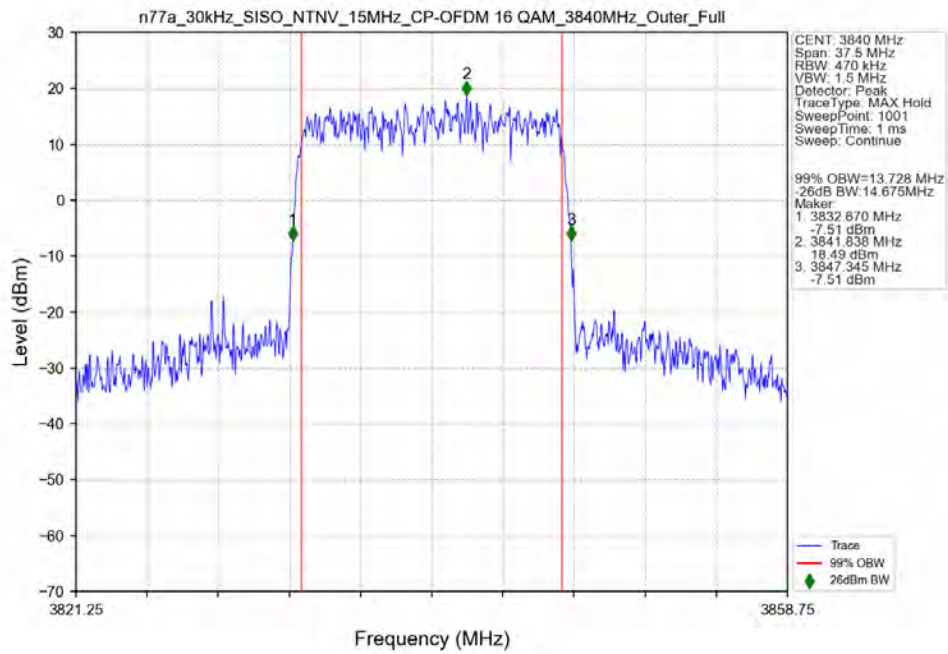
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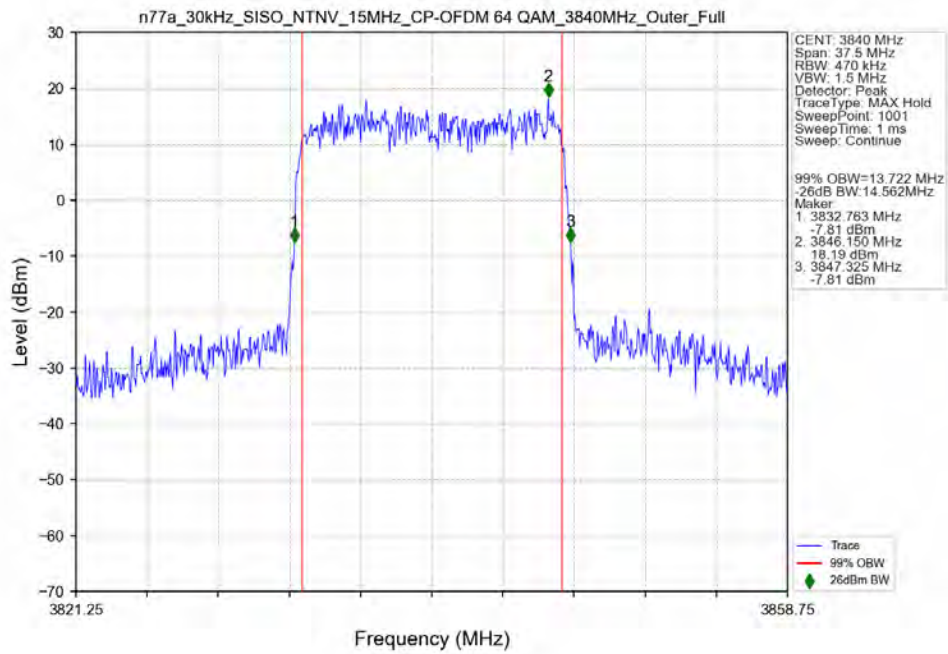
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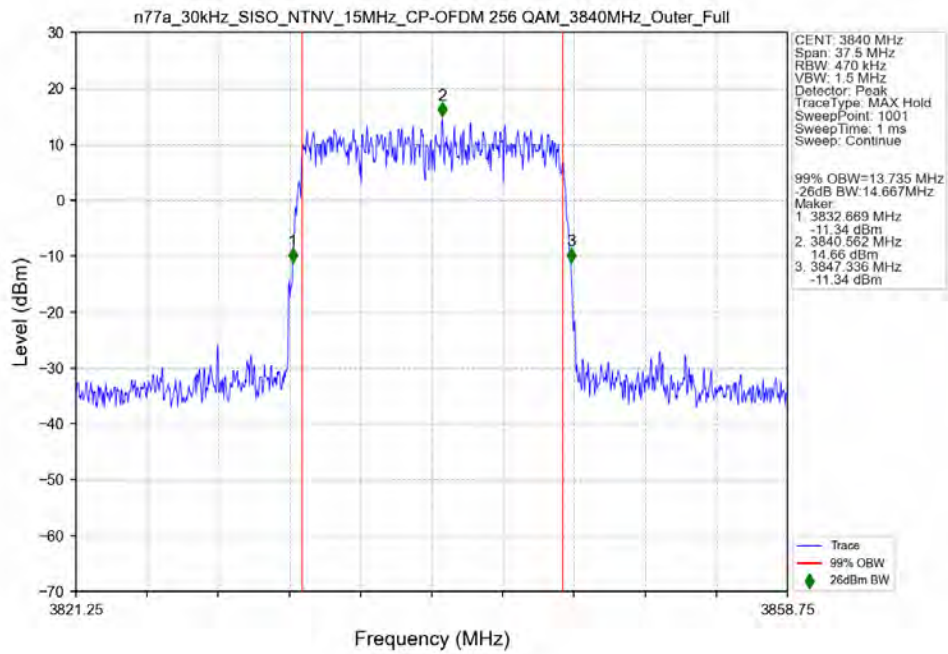
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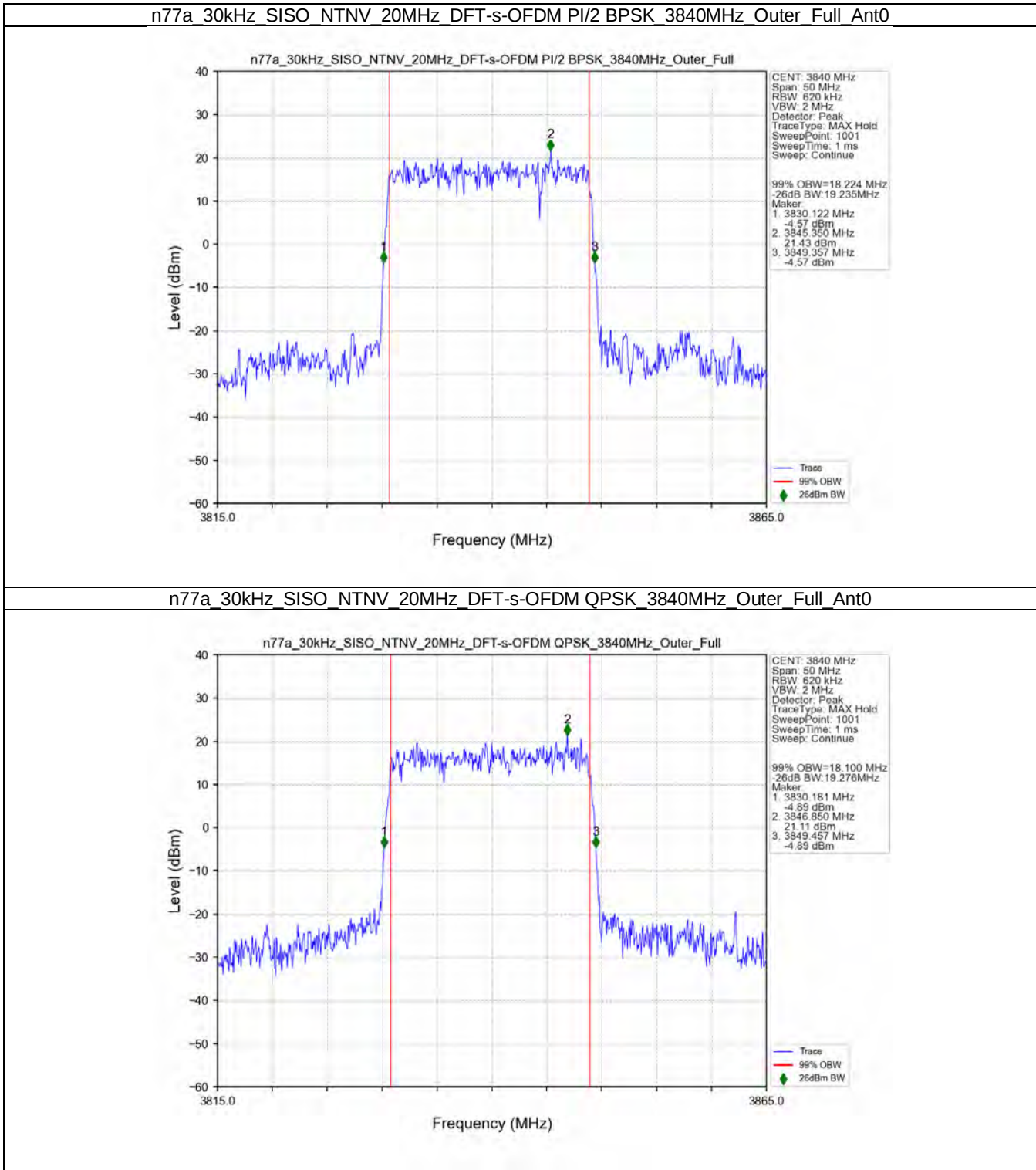
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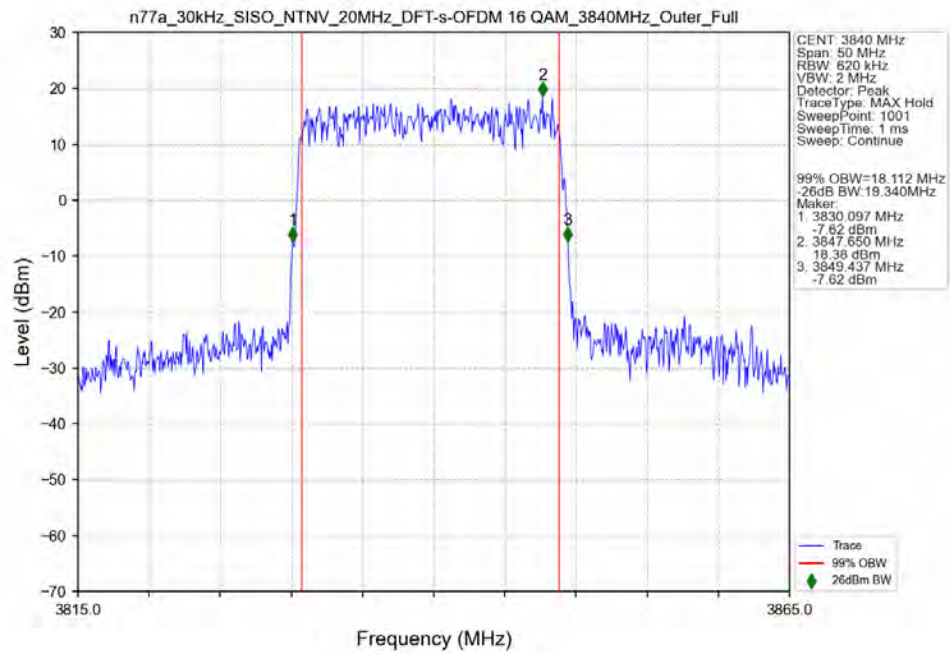
n77a 30kHz SISO NTN 15MHz CP-OFDM 256 QAM 3840MHz Outer Full Ant0



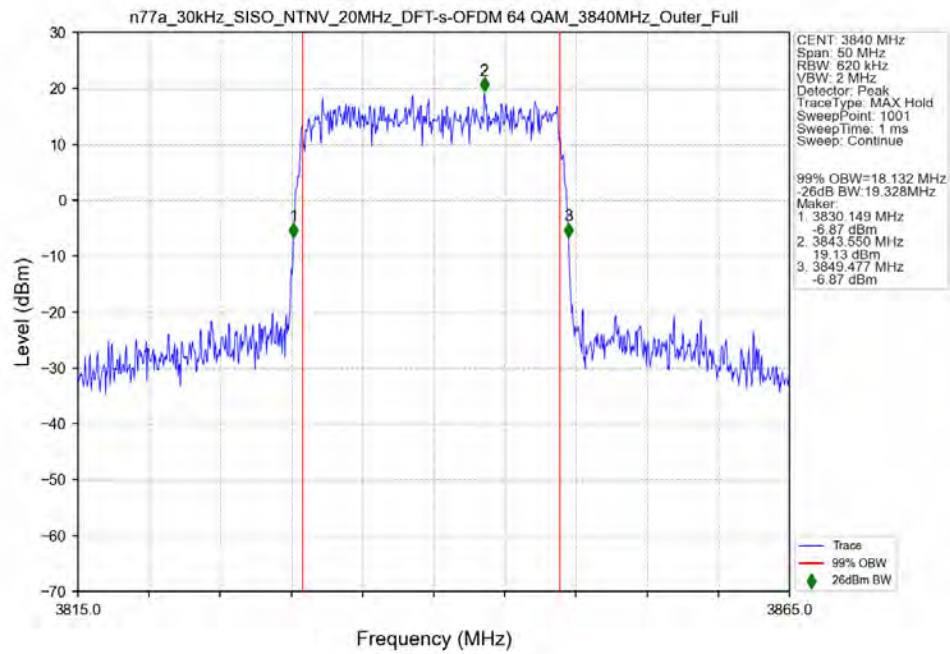
3.2.3 30k_SISO_20MHz_NTNV



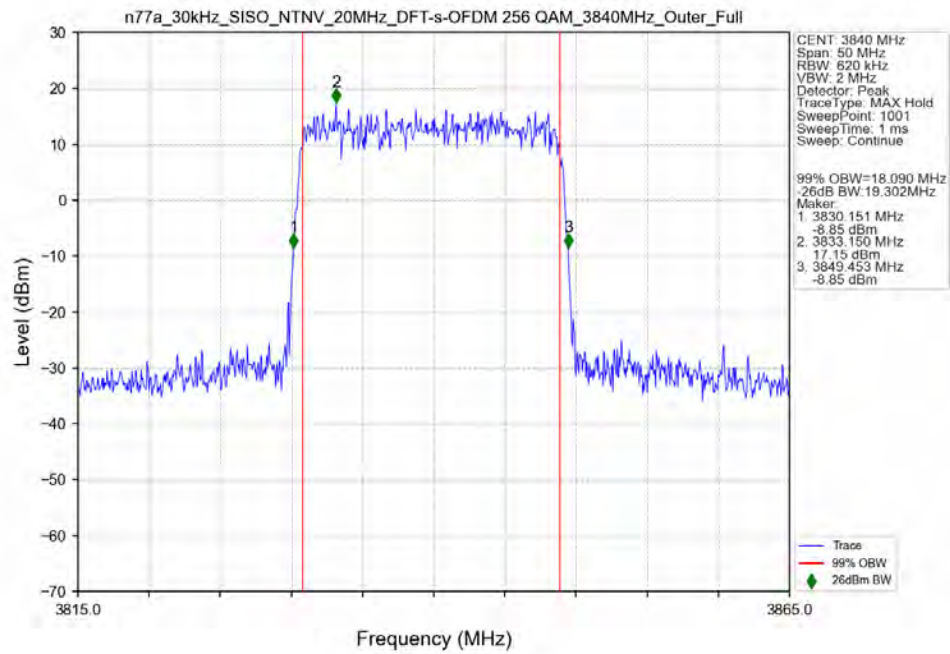
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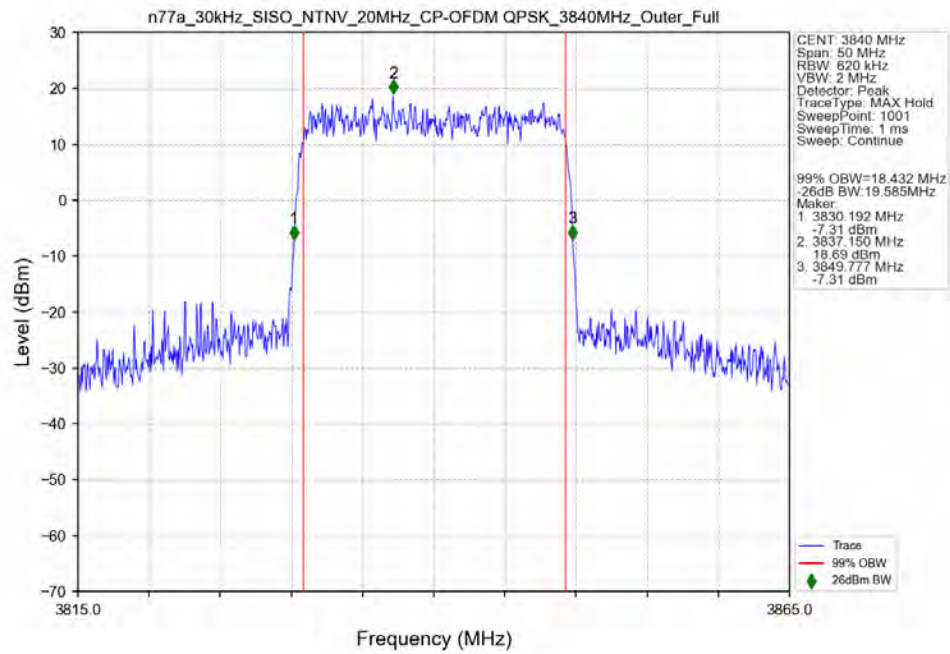
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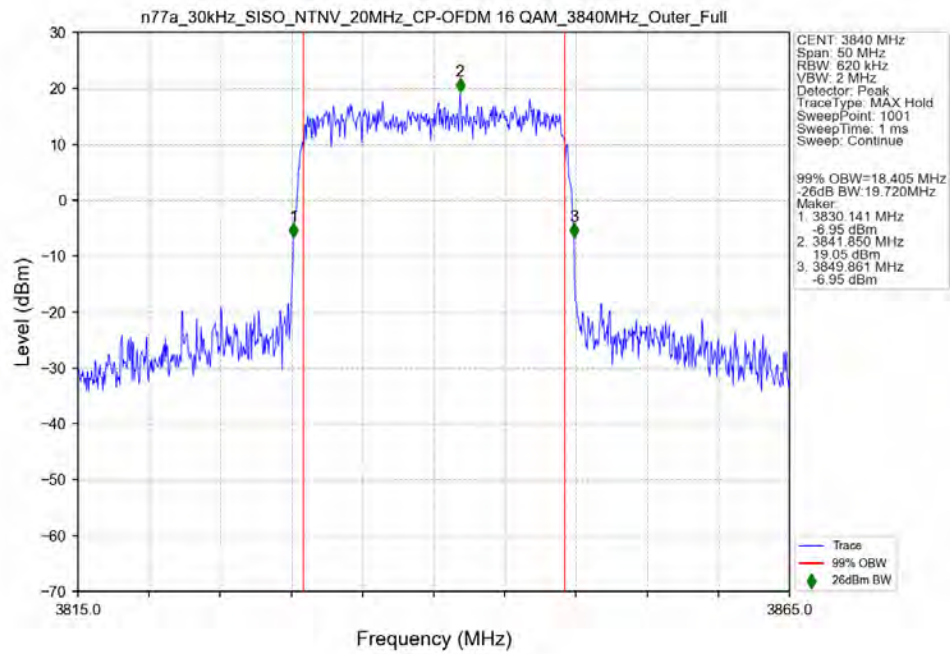
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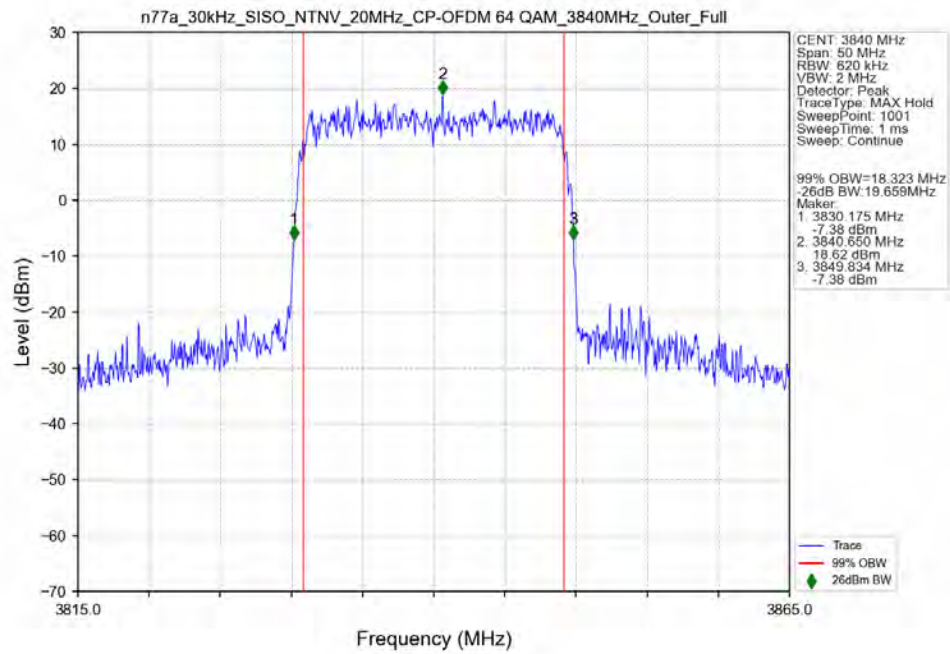
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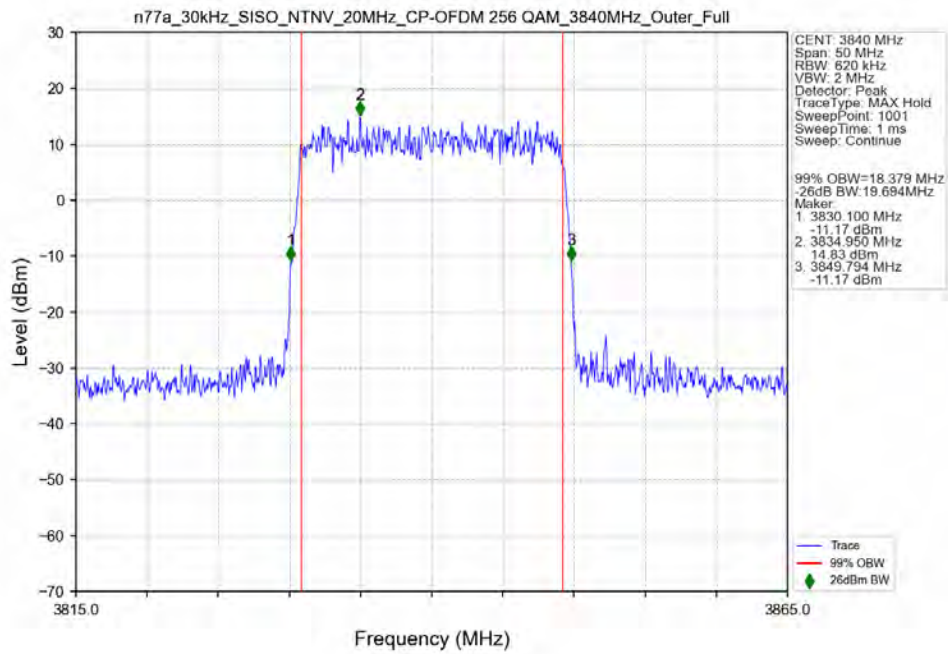
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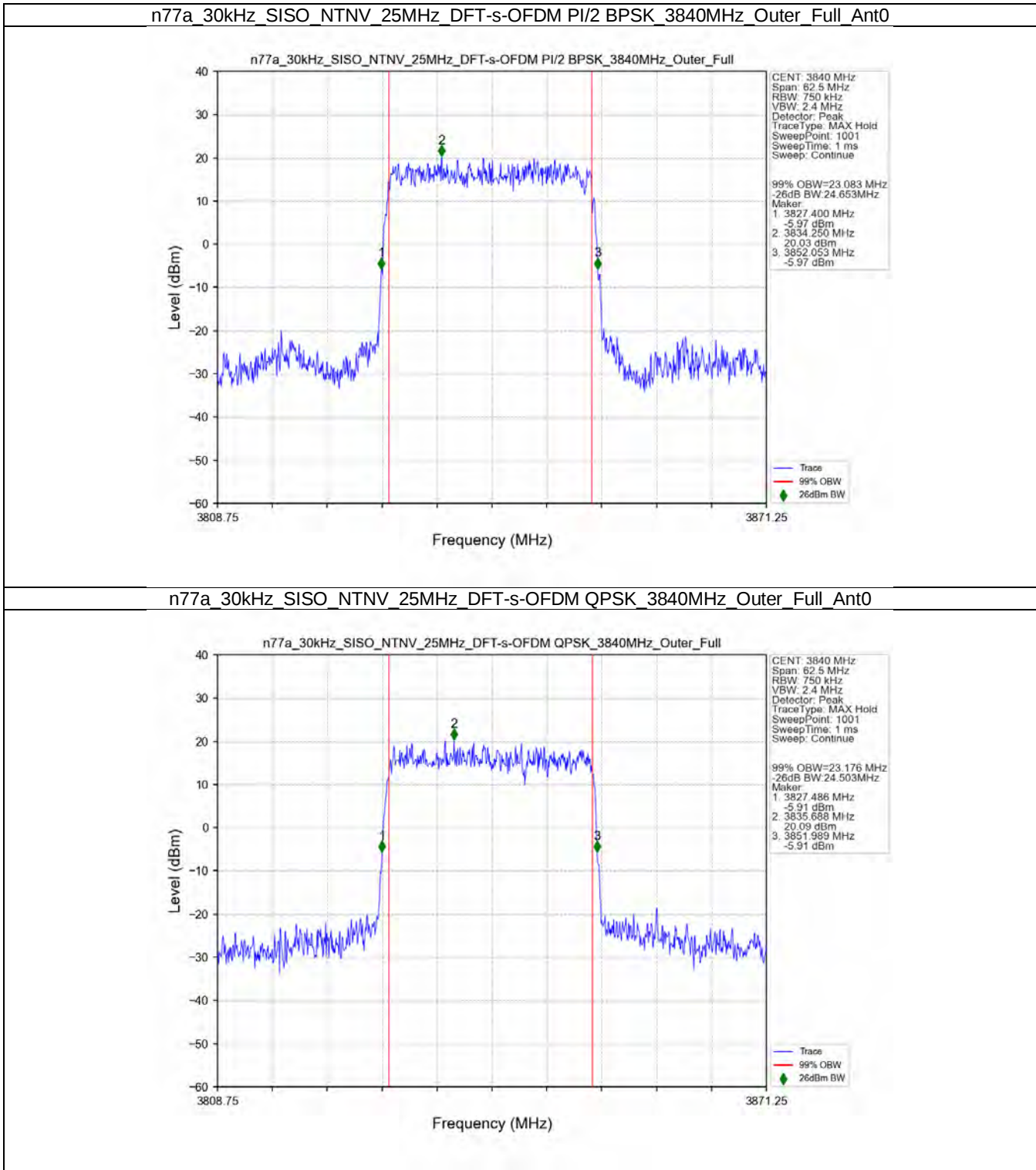
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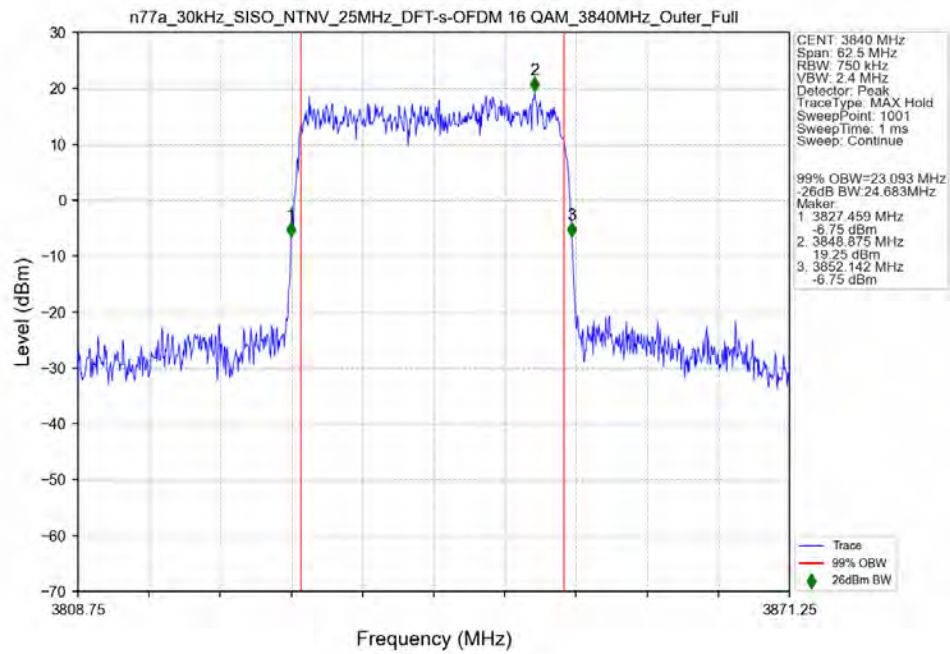
n77a 30kHz SISO NTN 20MHz CP-OFDM 256 QAM 3840MHz Outer Full Ant0



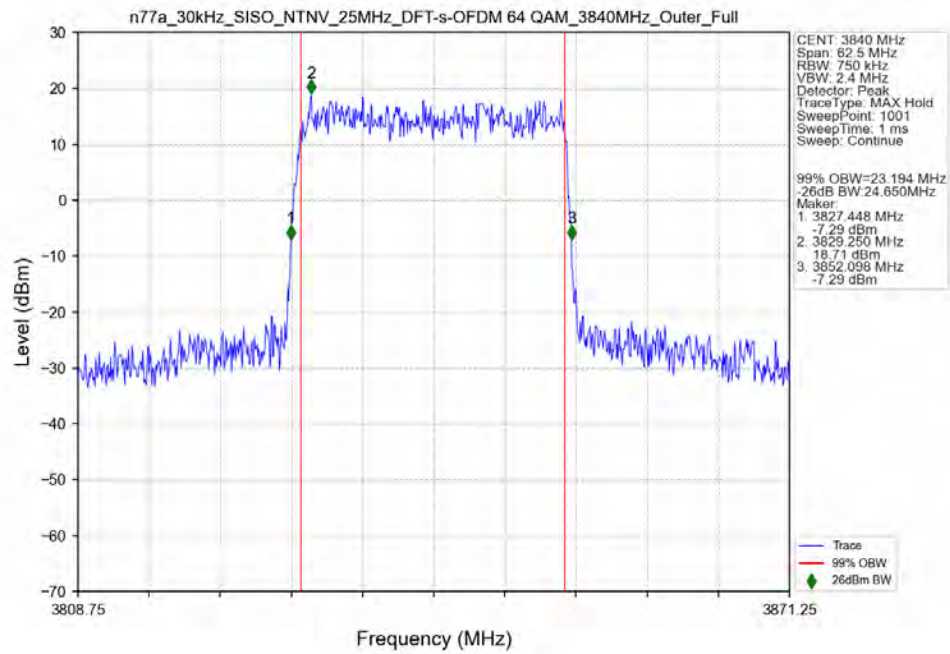
3.2.4 30k_SISO_25MHz_NTNV



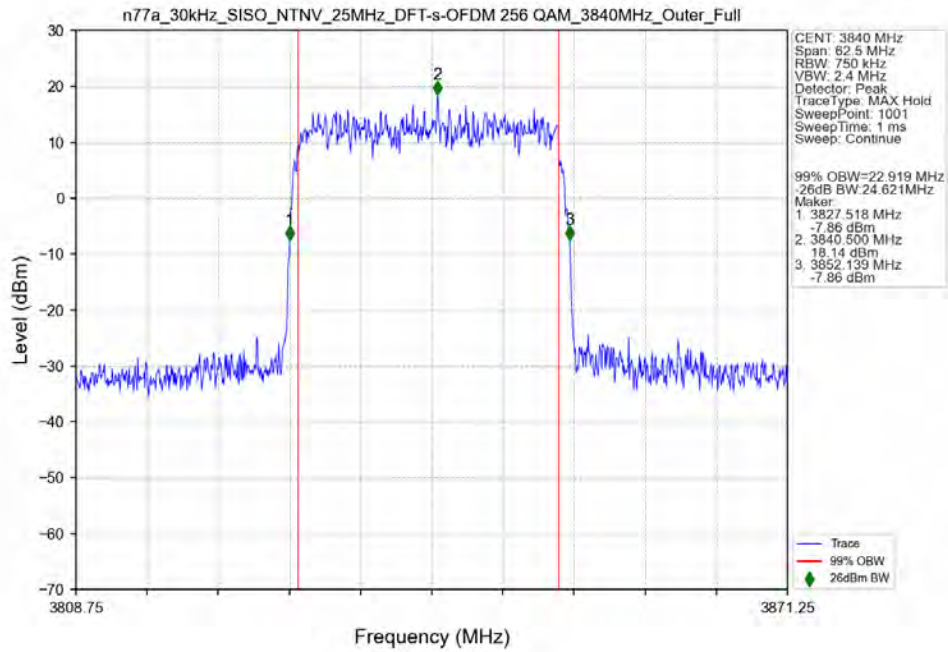
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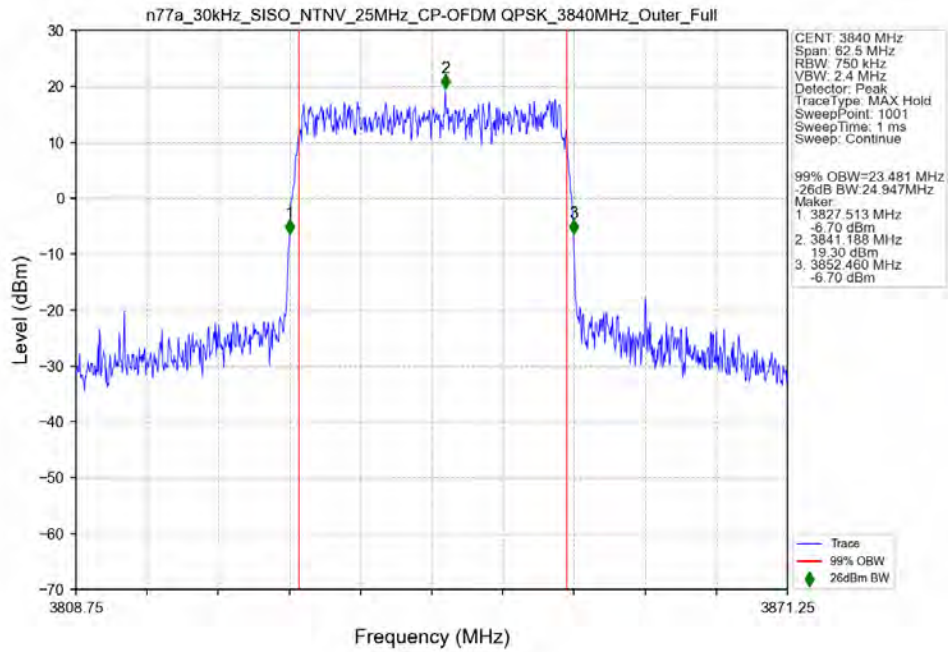
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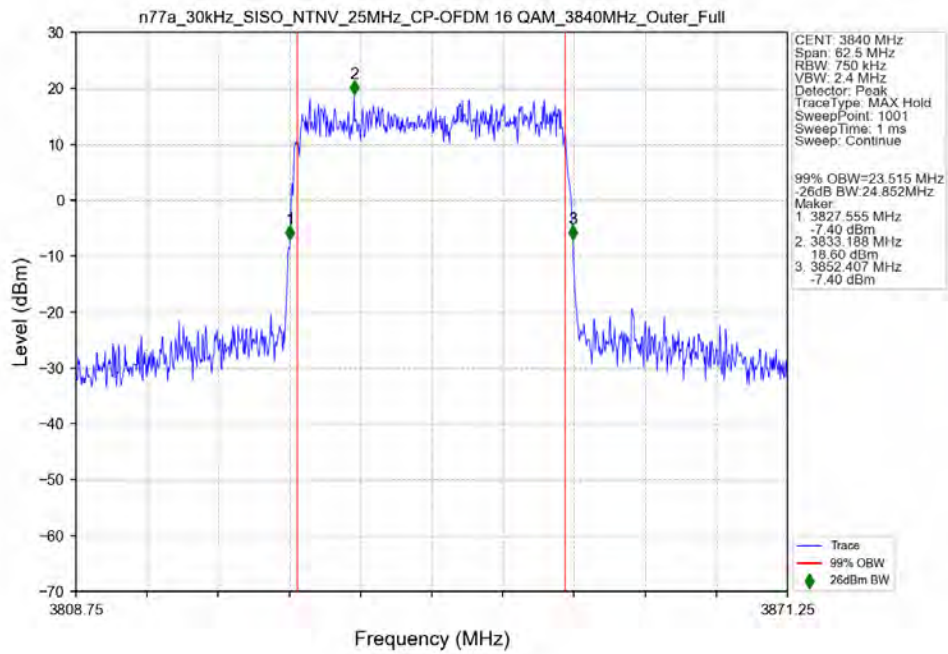
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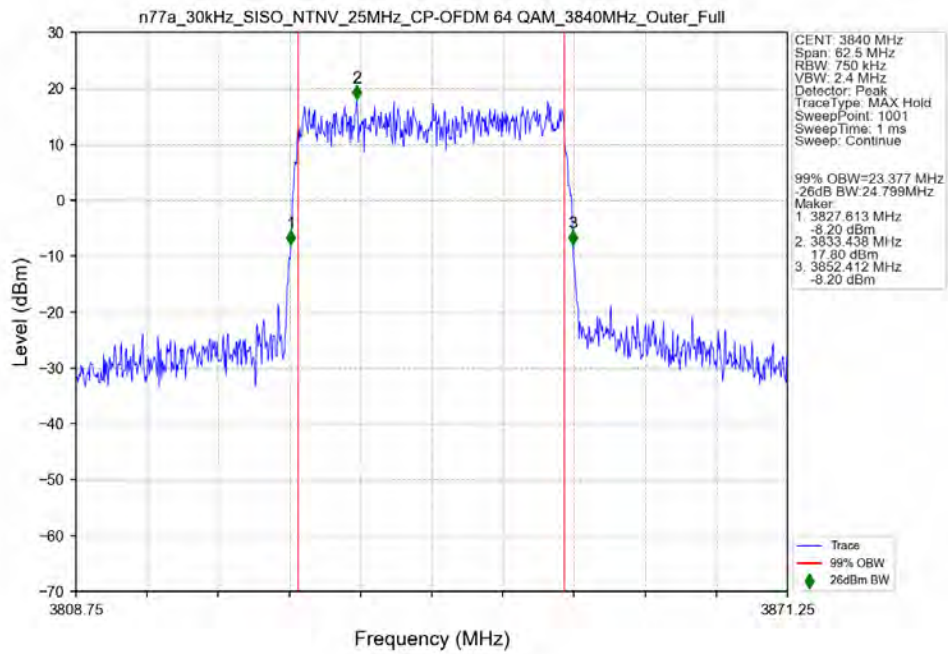
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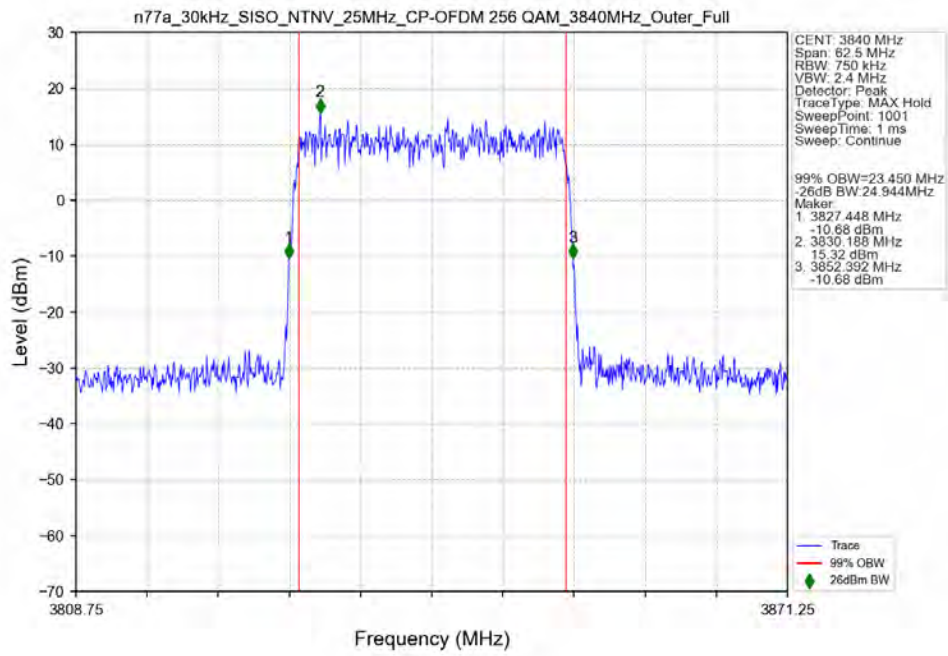
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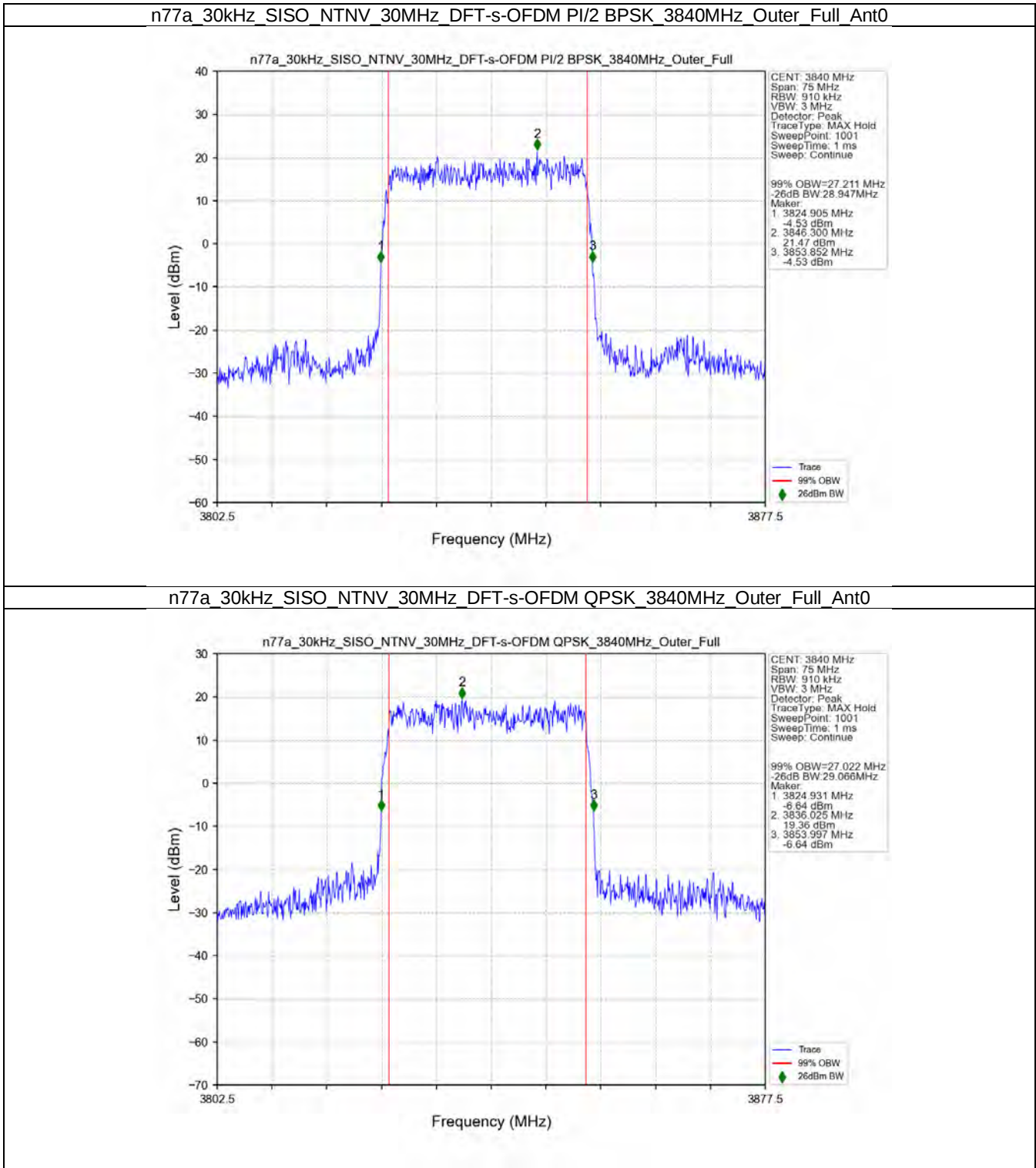
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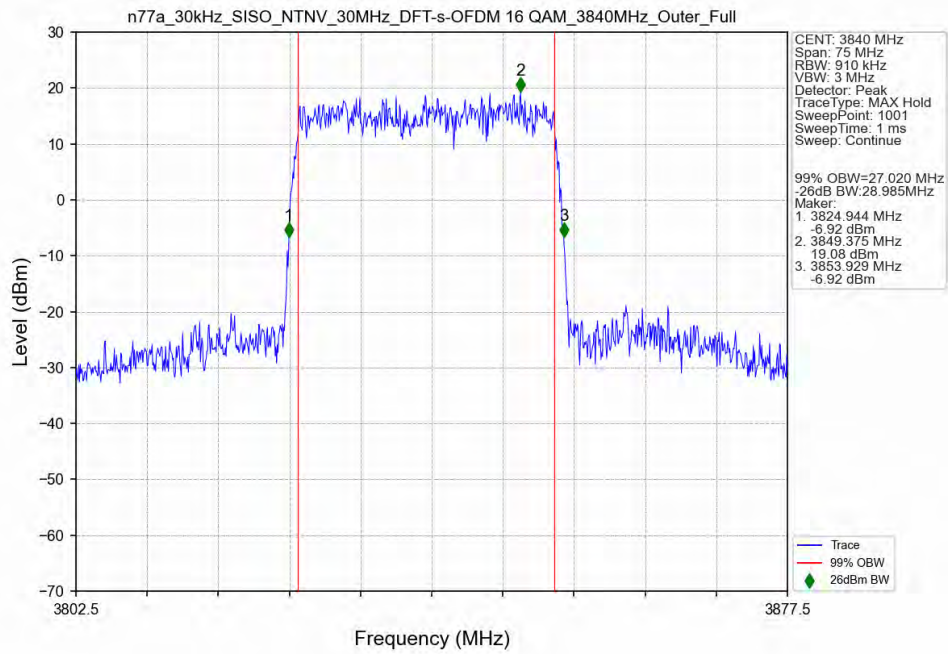
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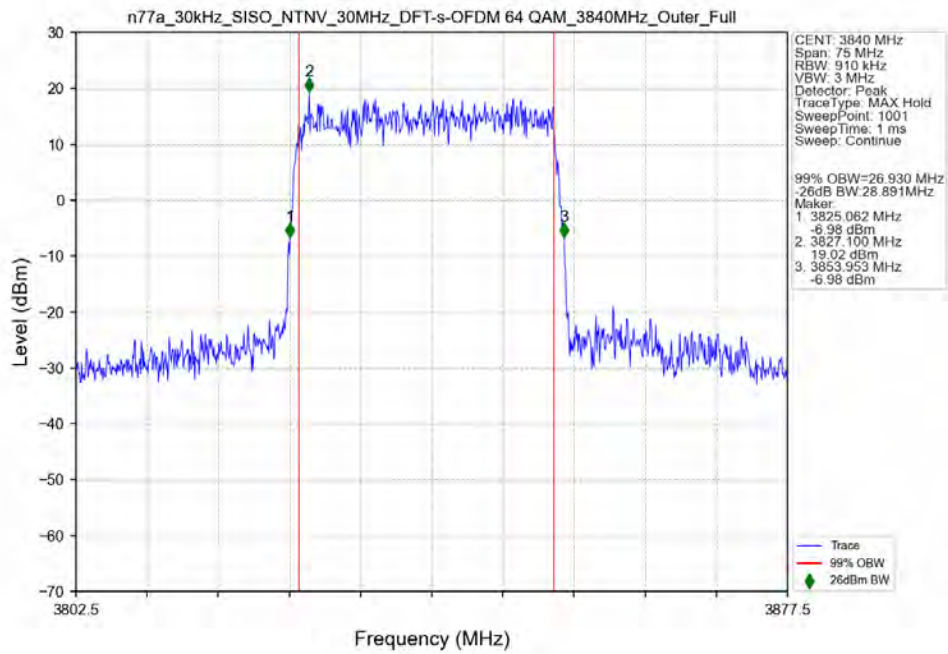
3.2.5 30k_SISO_30MHz_NTNV



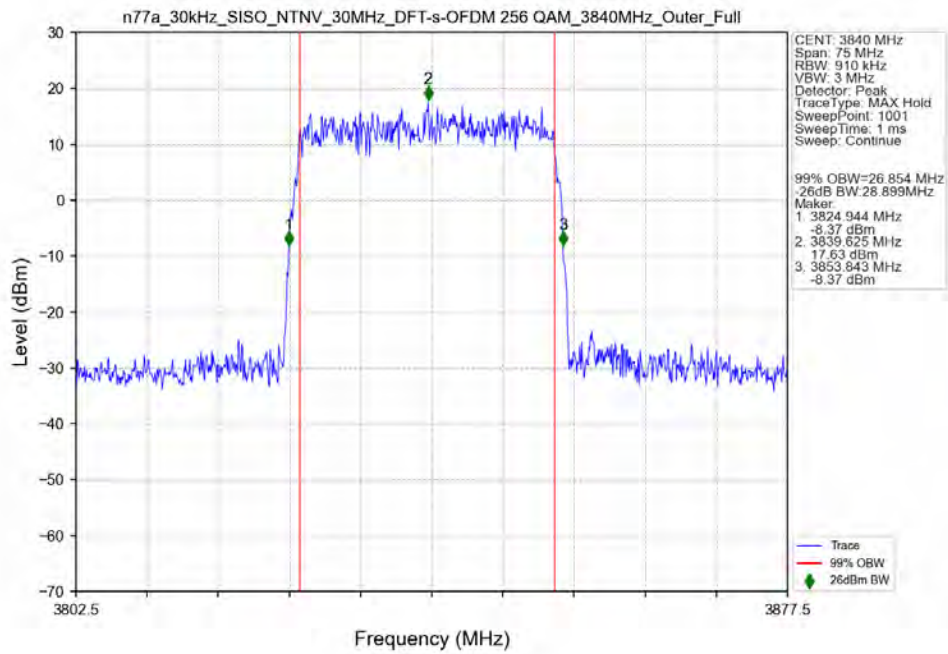
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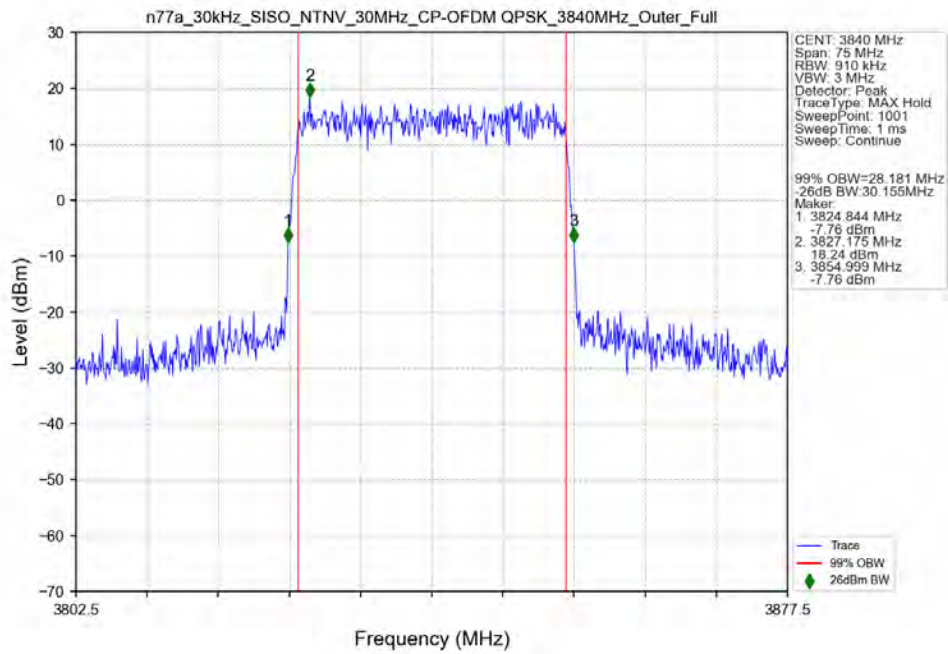
n77a_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM_64_QAM_3840MHz_Outer_Full_Ant0



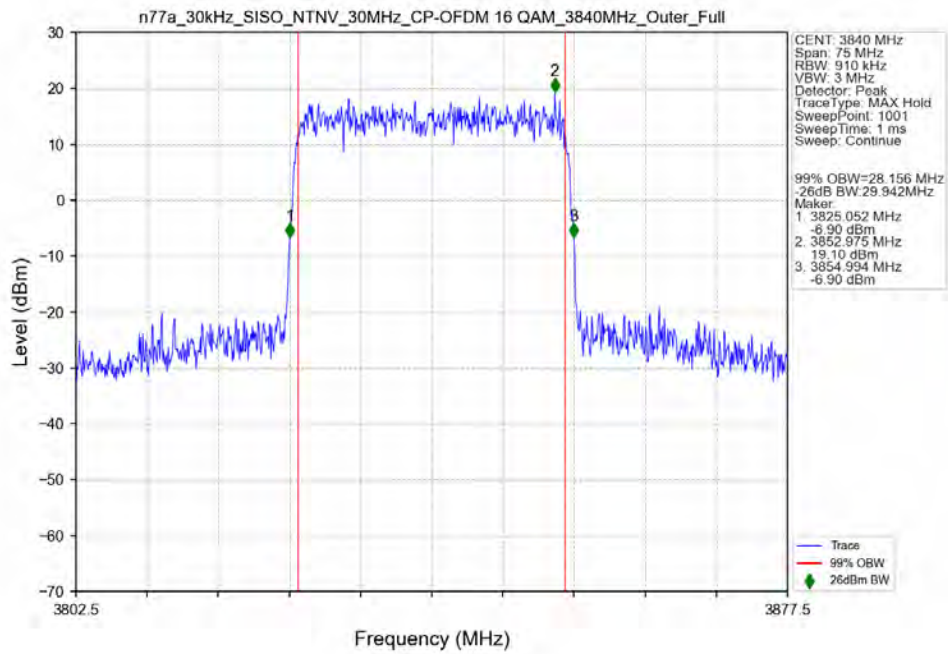
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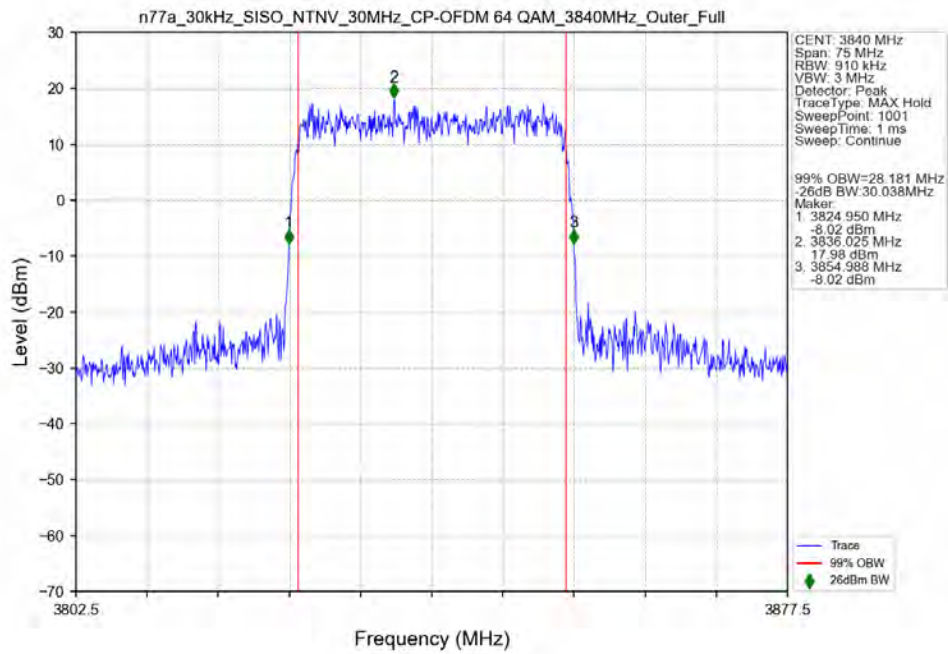
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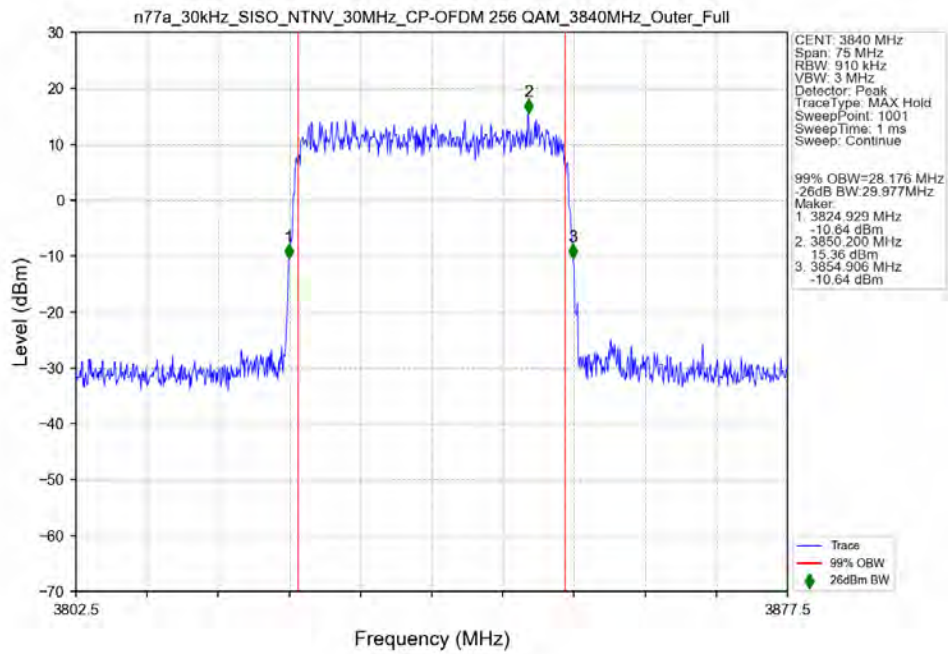
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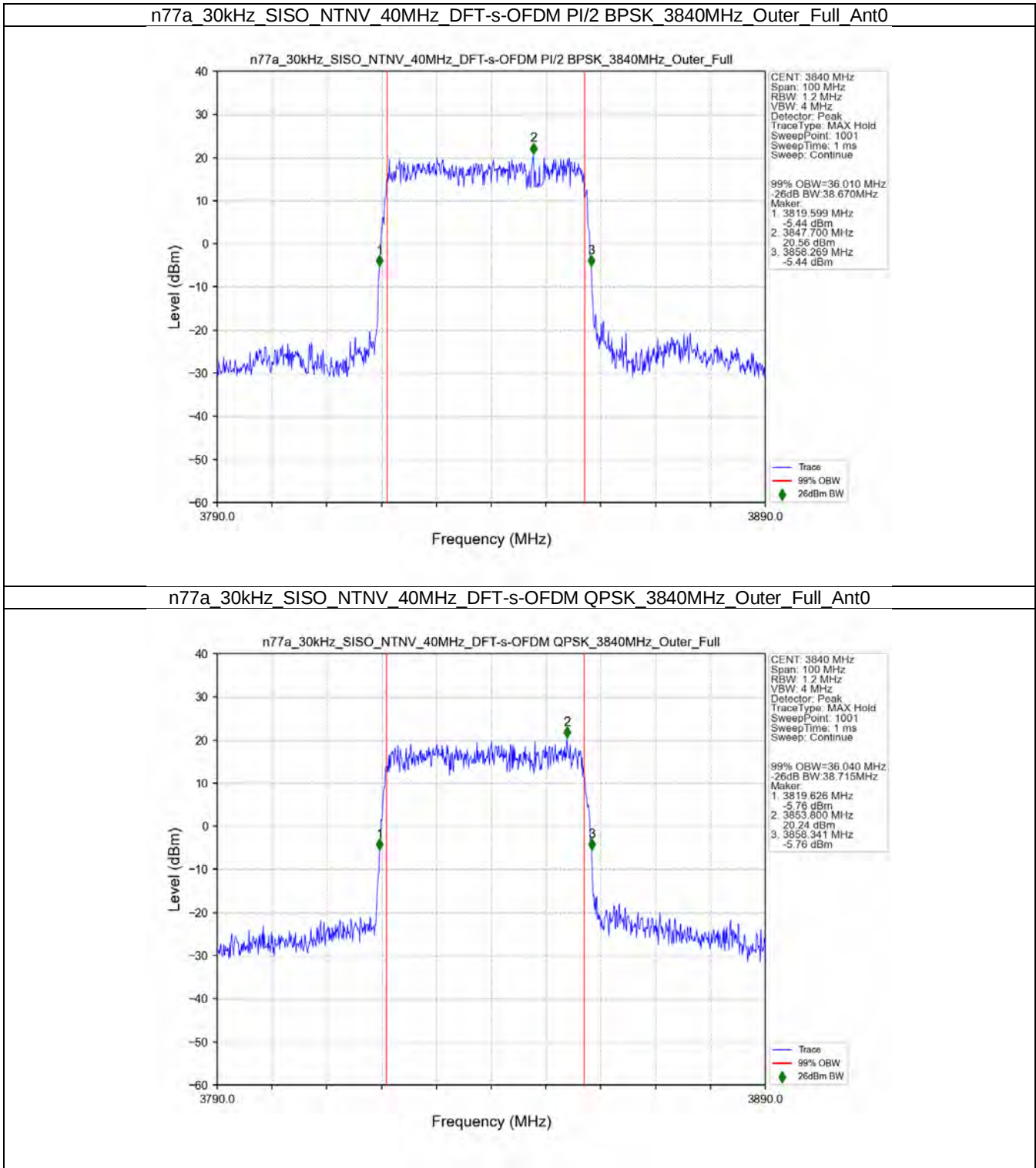
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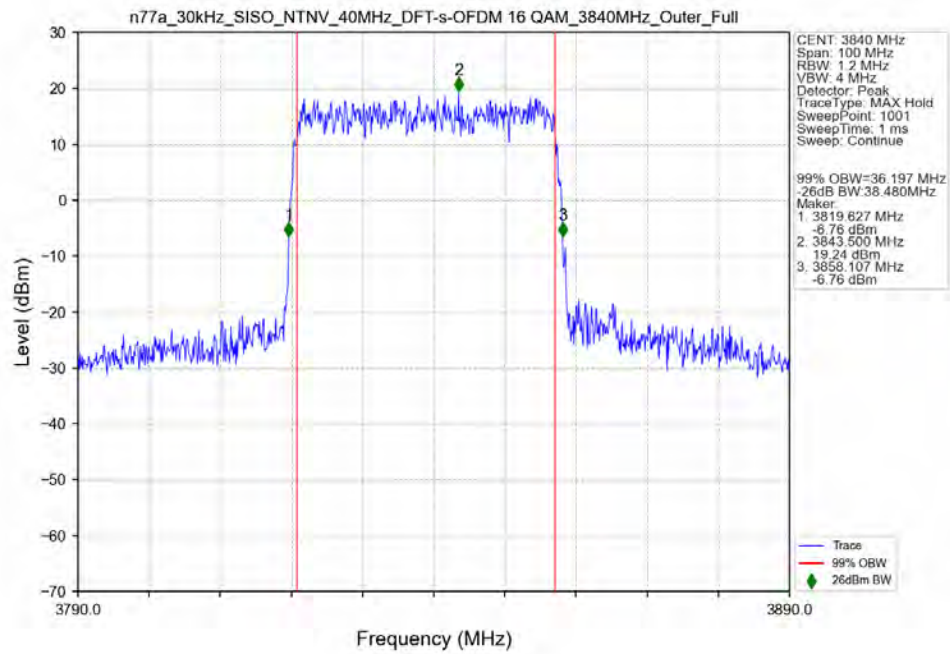
n77a 30kHz SISO NTN 30MHz CP-OFDM 256 QAM 3840MHz Outer Full Ant0



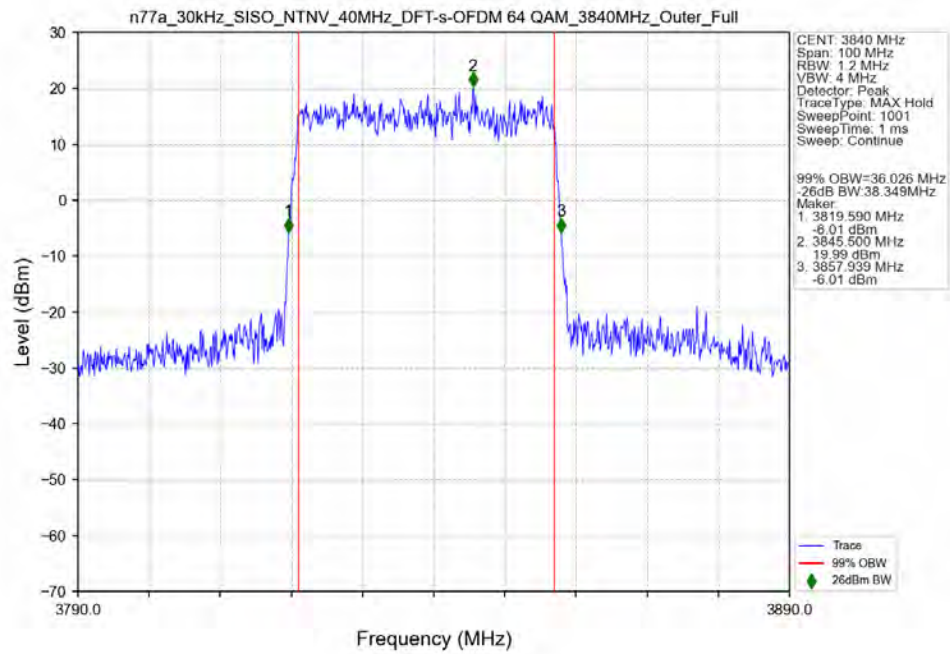
3.2.6 30k_SISO_40MHz_NTNV



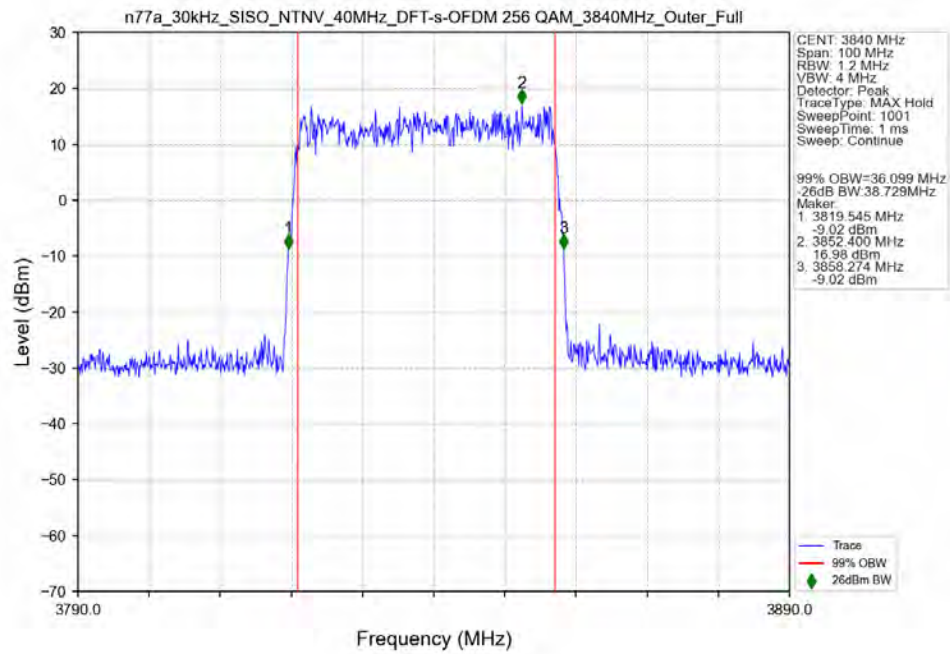
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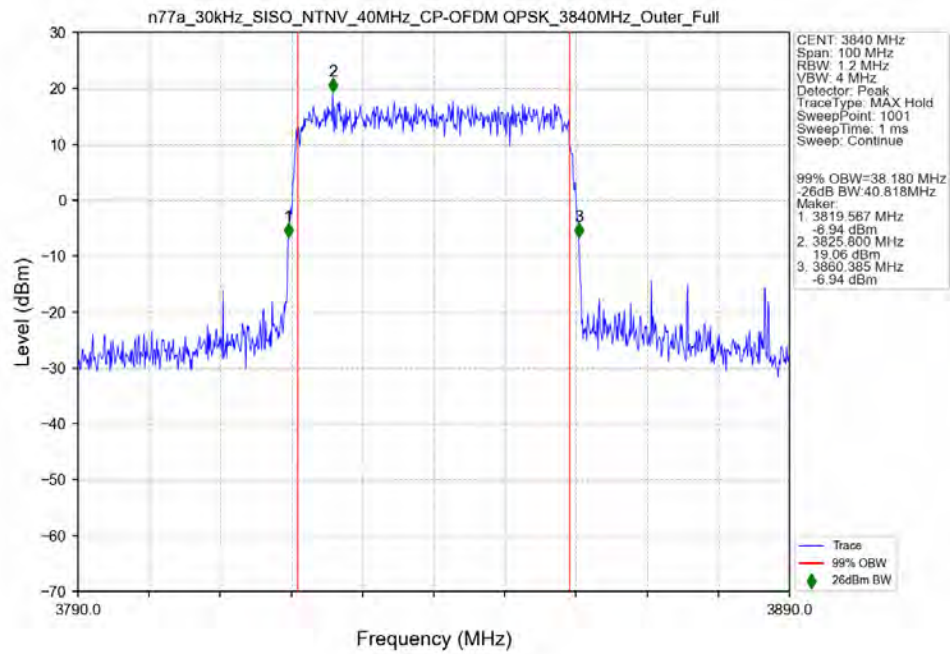
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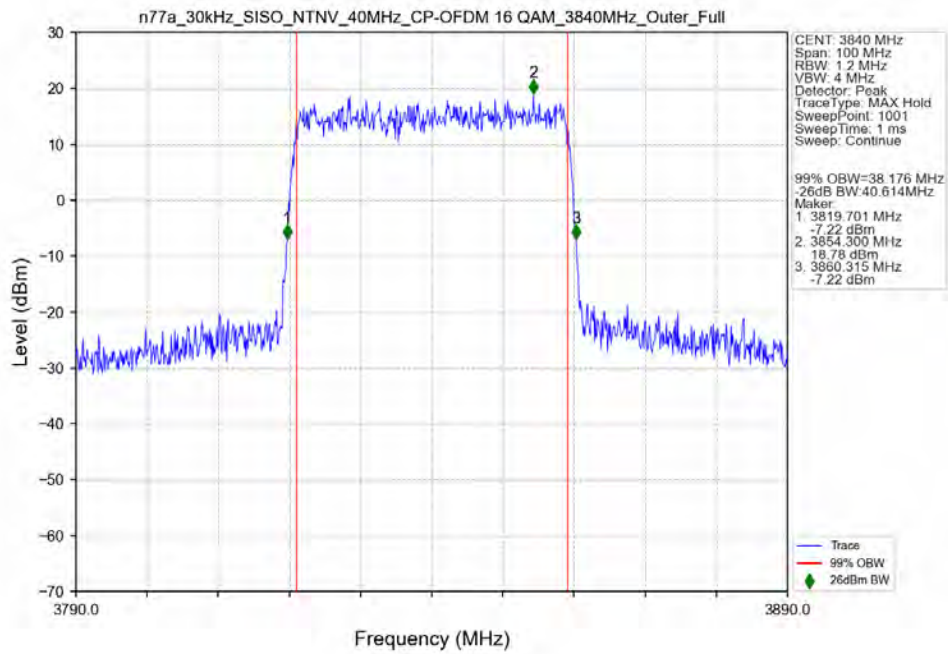
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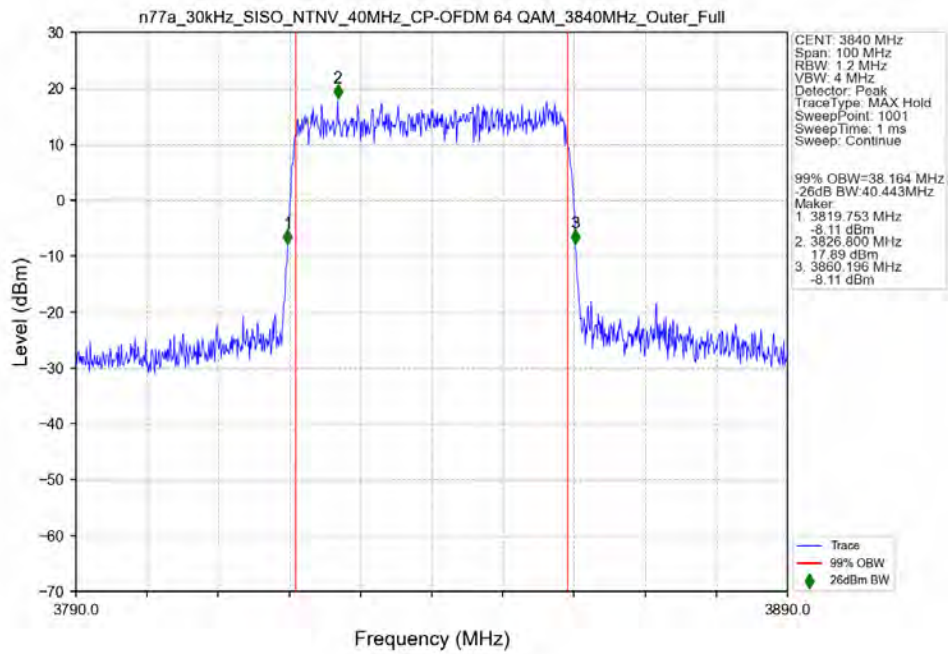
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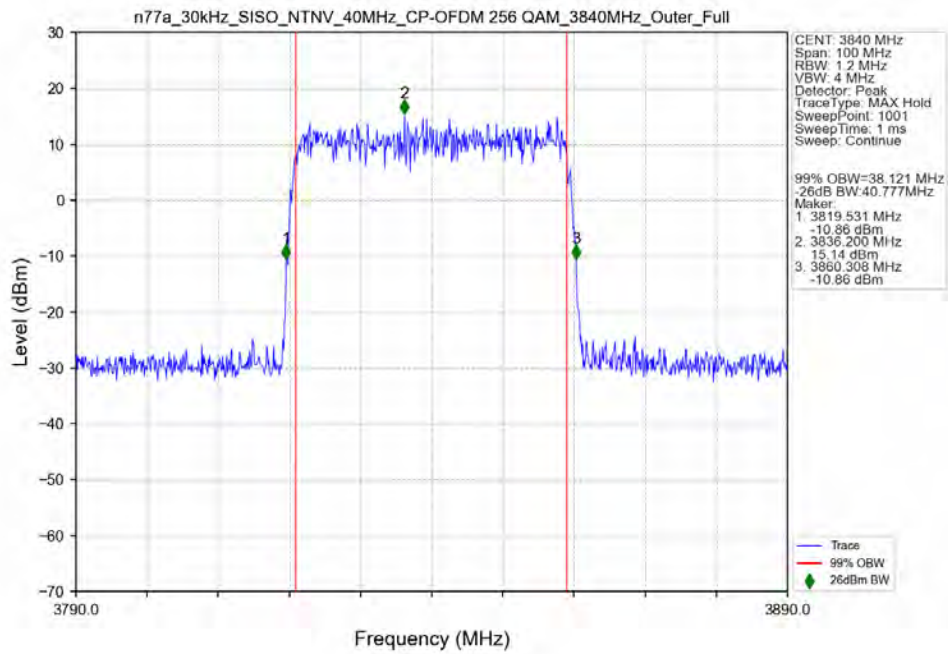
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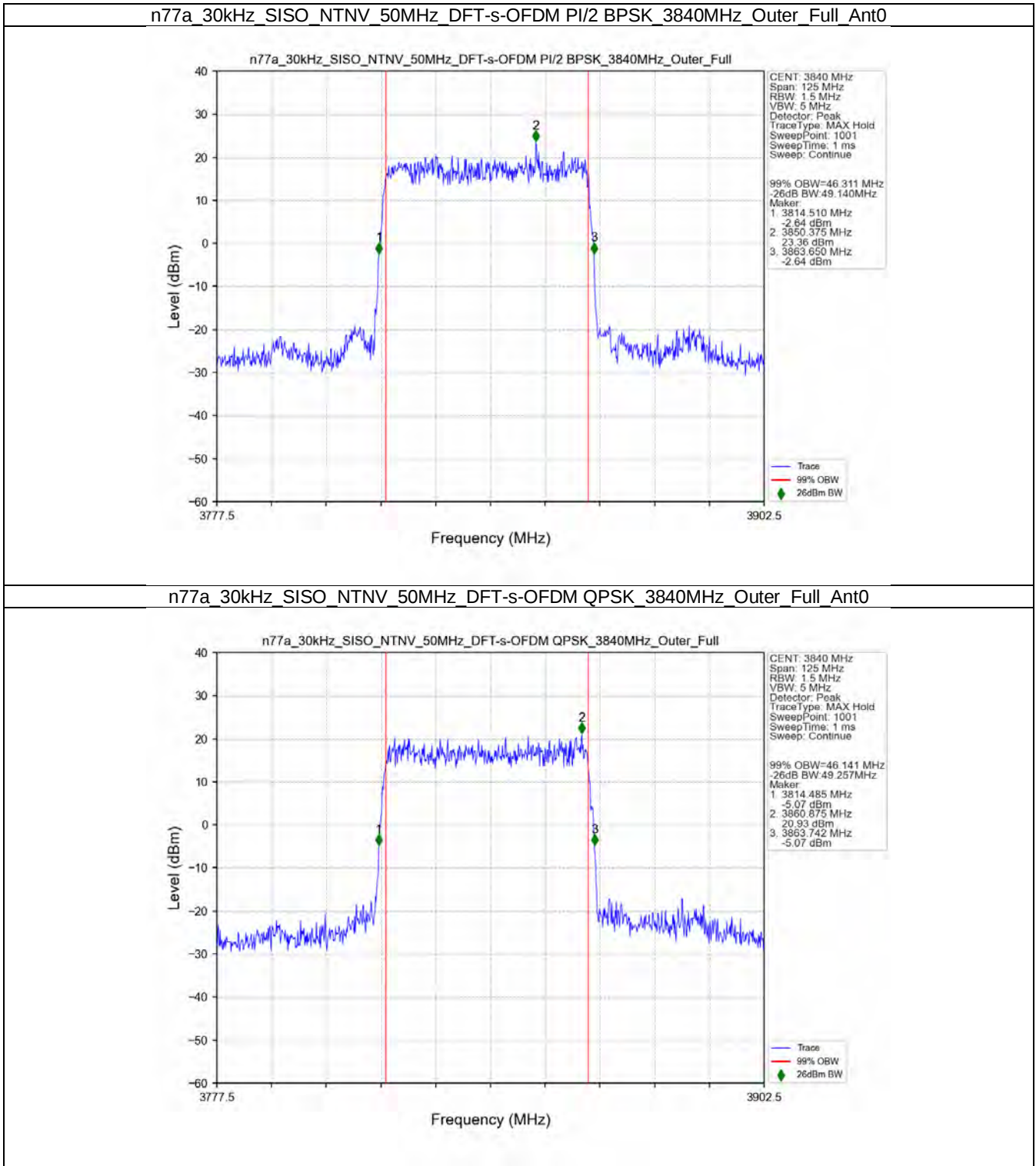
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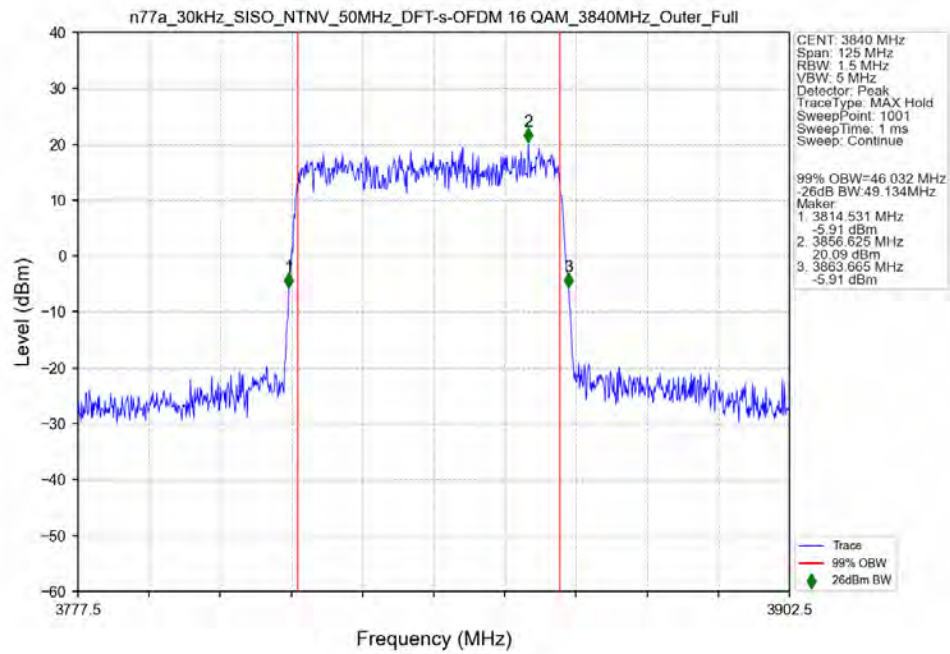
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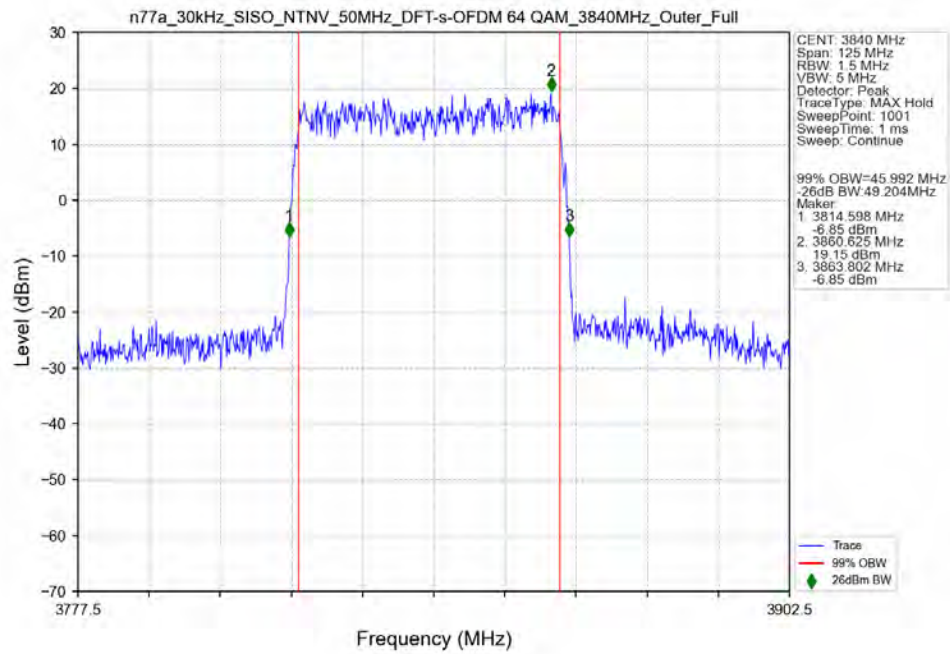
3.2.7 30k_SISO_50MHz_NTNV



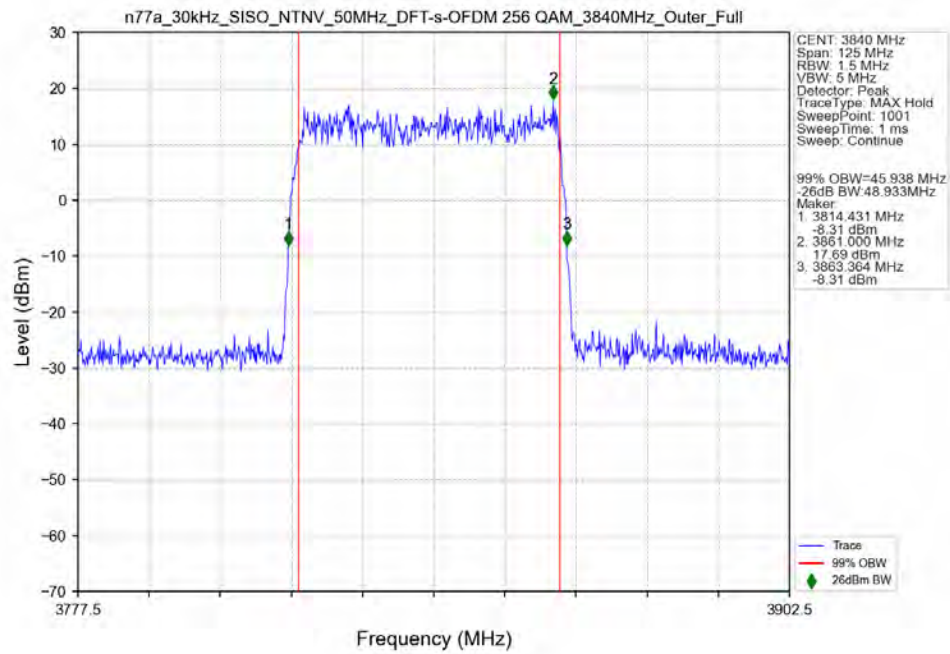
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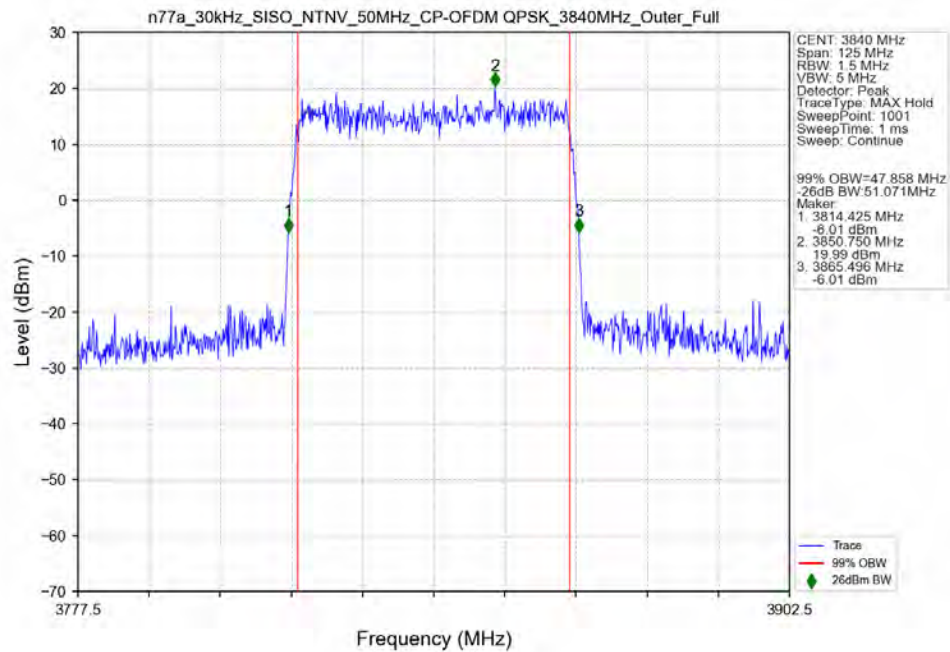
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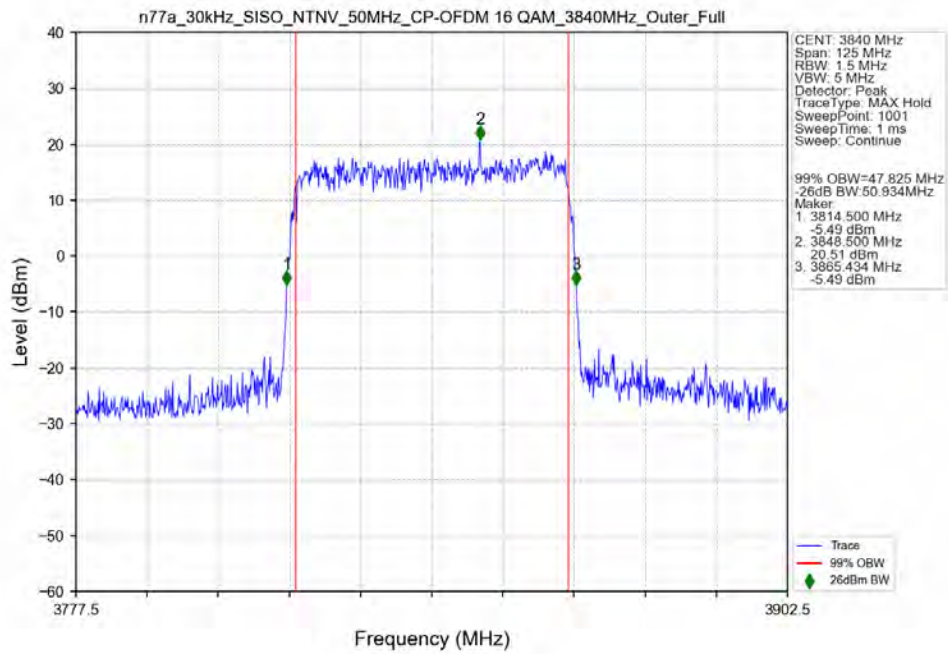
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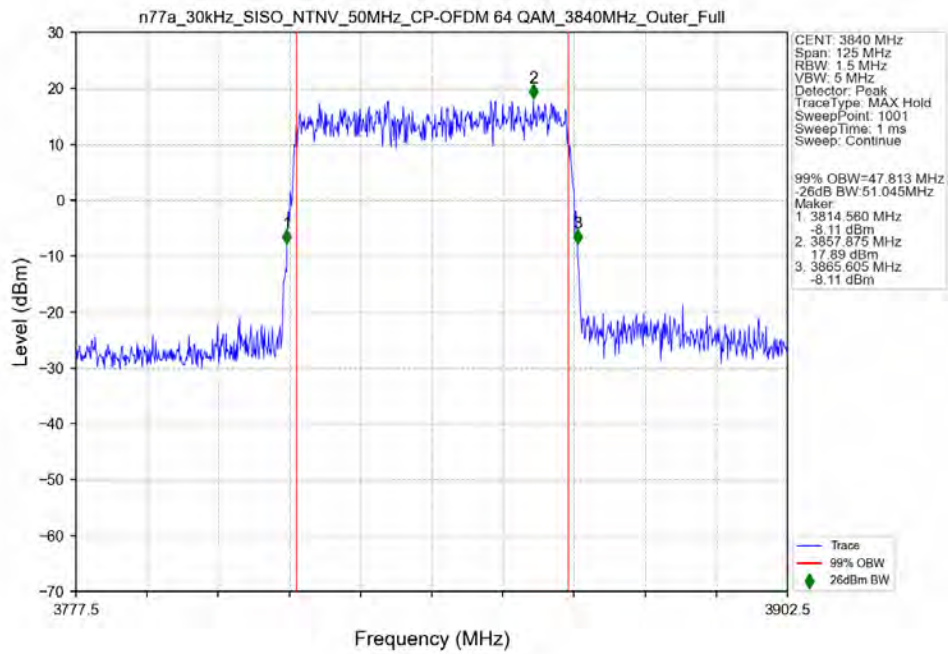
n77a_30kHz_SISO_NTNV_50MHz_CP-OFDM_QPSK_3840MHz_Outer_Full_Ant0



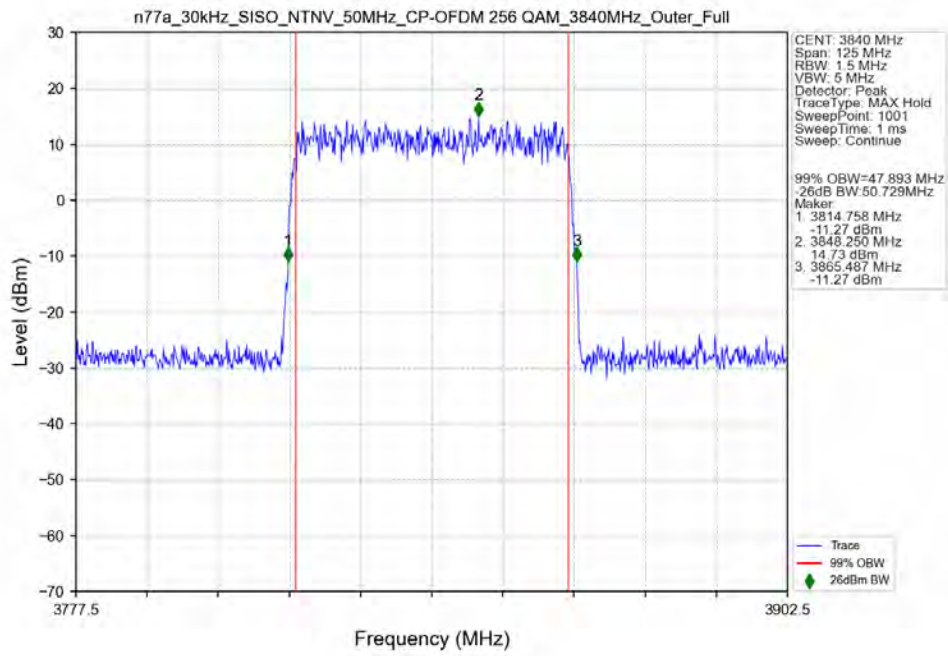
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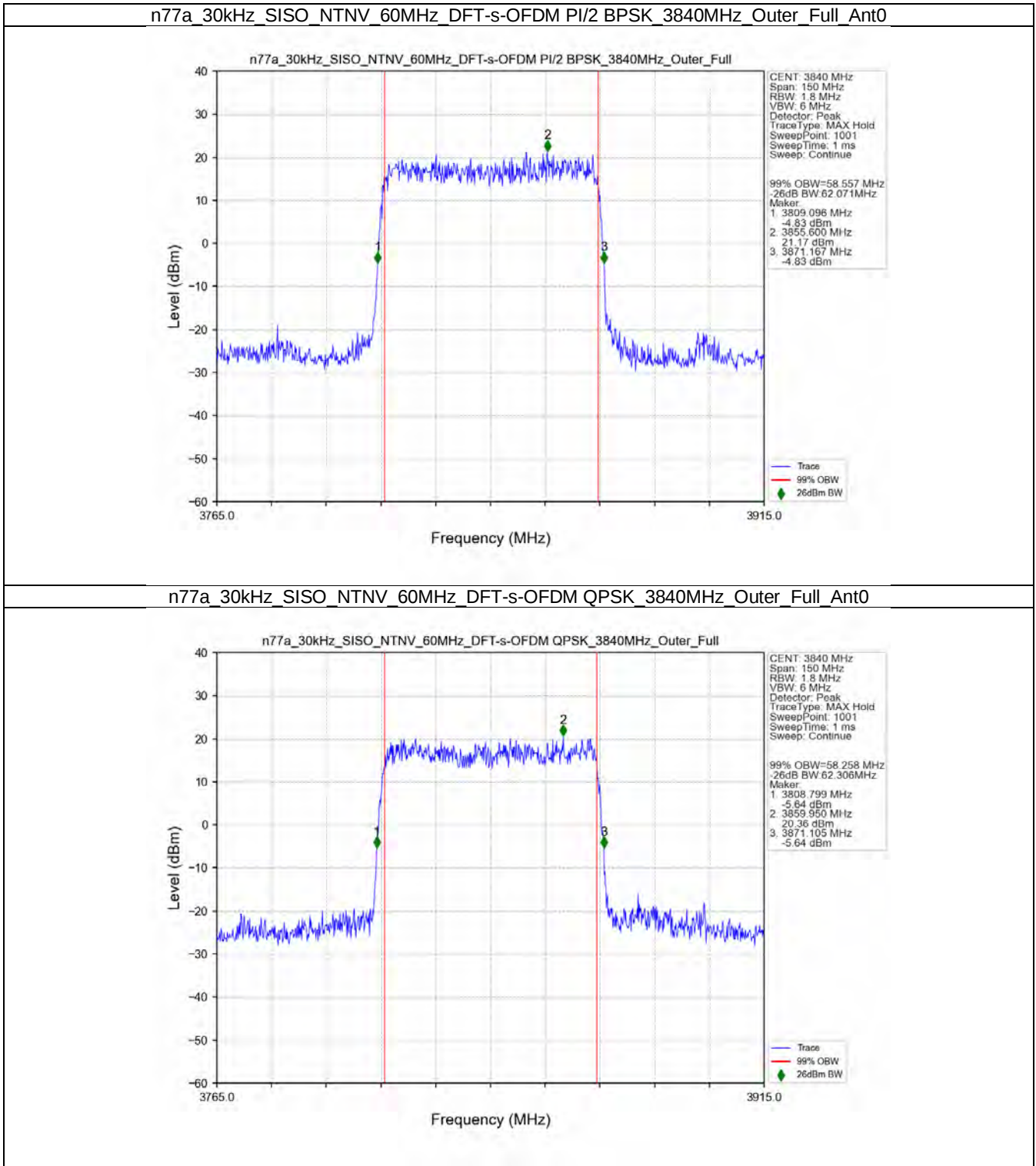
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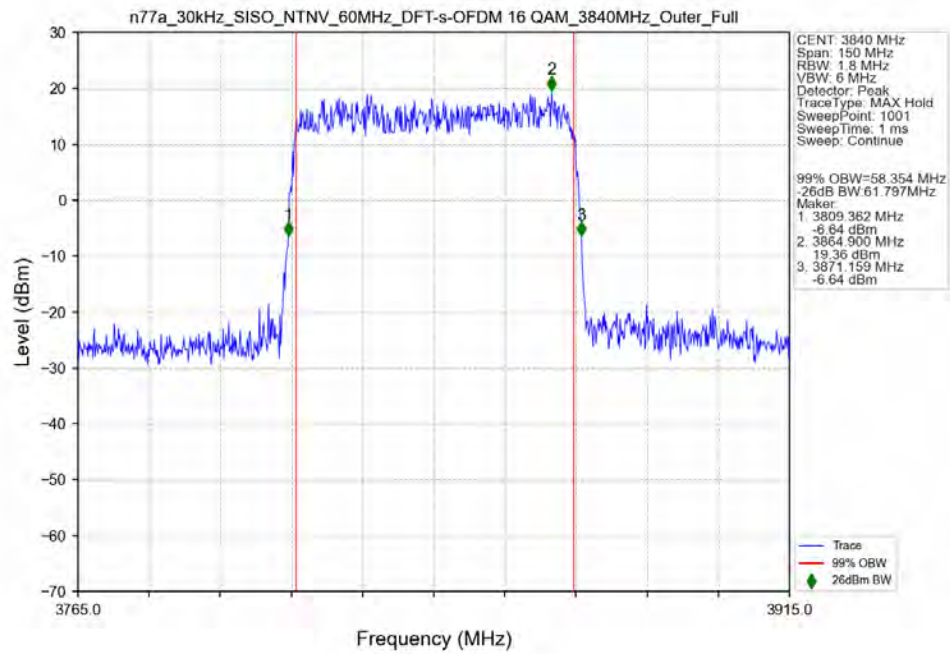
n77a 30kHz SISO NTN 50MHz CP-OFDM 256 QAM 3840MHz Outer Full Ant0



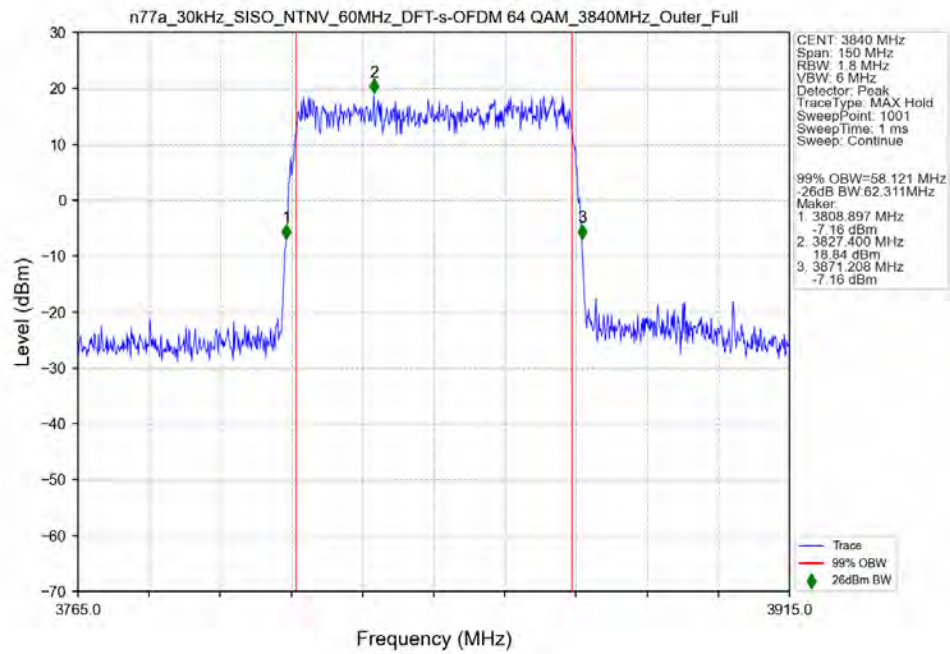
3.2.8 30k_SISO_60MHz_NTNV



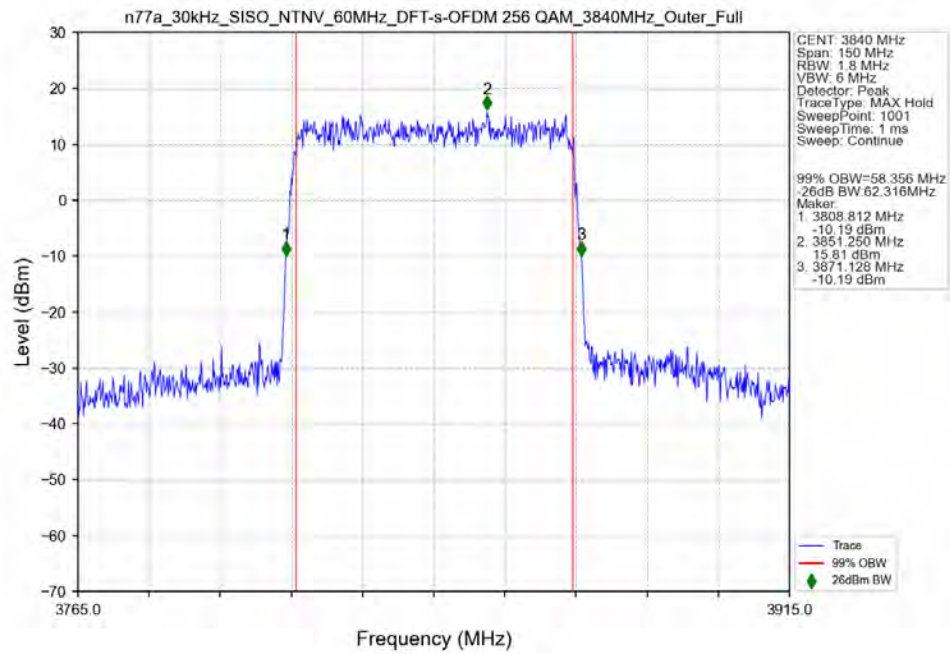
n77a_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_16_QAM_3840MHz_Outer_Full_Ant0



n77a_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_64_QAM_3840MHz_Outer_Full_Ant0



n77a_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_256_QAM_3840MHz_Outer_Full_Ant0



n77a_30kHz_SISO_NTNV_60MHz_CP-OFDM_QPSK_3840MHz_Outer_Full_Ant0

