

		Outer_Full	25.33	/	/	28.23	/	/	<=30	Pass	
		Inner_Full	26.32	/	/	29.22	/	/	<=30	Pass	
		Inner_1RB_Left	26.28	/	/	29.18	/	/	<=30	Pass	
		Inner_1RB_Right	26.34	/	/	29.24	/	/	<=30	Pass	
DFT-s-OFDM 16 QAM	3740.01	Edge_1RB_Left	22.67	/	/	25.57	/	/	<=30	Pass	
		Edge_1RB_Right	23.01	/	/	25.91	/	/	<=30	Pass	
		Outer_Full	24.31	/	/	27.21	/	/	<=30	Pass	
		Inner_Full	25.24	/	/	28.14	/	/	<=30	Pass	
		Inner_1RB_Left	25.28	/	/	28.18	/	/	<=30	Pass	
		Inner_1RB_Right	25.32	/	/	28.22	/	/	<=30	Pass	
		3840	Edge_1RB_Left	22.75	/	/	25.65	/	/	<=30	Pass
			Edge_1RB_Right	22.74	/	/	25.64	/	/	<=30	Pass
	Outer_Full		24.38	/	/	27.28	/	/	<=30	Pass	
	Inner_Full		25.30	/	/	28.20	/	/	<=30	Pass	
	3939.99	Inner_1RB_Left	25.40	/	/	28.30	/	/	<=30	Pass	
		Inner_1RB_Right	25.23	/	/	28.13	/	/	<=30	Pass	
		Edge_1RB_Left	22.91	/	/	25.81	/	/	<=30	Pass	
		Edge_1RB_Right	22.81	/	/	25.71	/	/	<=30	Pass	
		Outer_Full	24.27	/	/	27.17	/	/	<=30	Pass	
		Inner_Full	25.34	/	/	28.24	/	/	<=30	Pass	
Inner_1RB_Left		25.34	/	/	28.24	/	/	<=30	Pass		
Inner_1RB_Right		25.49	/	/	28.39	/	/	<=30	Pass		
DFT-s-OFDM 64 QAM	3740.01	Edge_1RB_Left	22.70	/	/	25.60	/	/	<=30	Pass	
		Edge_1RB_Right	22.84	/	/	25.74	/	/	<=30	Pass	
		Outer_Full	23.78	/	/	26.68	/	/	<=30	Pass	
		Inner_Full	23.83	/	/	26.73	/	/	<=30	Pass	
		Inner_1RB_Left	23.95	/	/	26.85	/	/	<=30	Pass	
		Inner_1RB_Right	23.97	/	/	26.87	/	/	<=30	Pass	
		3840	Edge_1RB_Left	22.66	/	/	25.56	/	/	<=30	Pass
			Edge_1RB_Right	22.90	/	/	25.80	/	/	<=30	Pass
	Outer_Full		23.70	/	/	26.60	/	/	<=30	Pass	
	Inner_Full		23.91	/	/	26.81	/	/	<=30	Pass	
	3939.99	Inner_1RB_Left	23.88	/	/	26.78	/	/	<=30	Pass	
		Inner_1RB_Right	24.01	/	/	26.91	/	/	<=30	Pass	
		Edge_1RB_Left	22.86	/	/	25.76	/	/	<=30	Pass	
		Edge_1RB_Right	22.85	/	/	25.75	/	/	<=30	Pass	
		Outer_Full	23.80	/	/	26.70	/	/	<=30	Pass	
		Inner_Full	23.86	/	/	26.76	/	/	<=30	Pass	
Inner_1RB_Left		23.74	/	/	26.64	/	/	<=30	Pass		
Inner_1RB_Right		23.84	/	/	26.74	/	/	<=30	Pass		
DFT-s-OFDM 256 QAM	3740.01	Edge_1RB_Left	21.63	/	/	24.53	/	/	<=30	Pass	
		Edge_1RB_Right	21.79	/	/	24.69	/	/	<=30	Pass	
		Outer_Full	21.72	/	/	24.62	/	/	<=30	Pass	
		Inner_Full	21.82	/	/	24.72	/	/	<=30	Pass	
		Inner_1RB_Left	21.67	/	/	24.57	/	/	<=30	Pass	
		Inner_1RB_Right	21.94	/	/	24.84	/	/	<=30	Pass	
	3840	Edge_1RB_Left	21.93	/	/	24.83	/	/	<=30	Pass	
		Edge_1RB_Right	21.99	/	/	24.89	/	/	<=30	Pass	
		Outer_Full	21.95	/	/	24.85	/	/	<=30	Pass	
		Inner_Full	21.77	/	/	24.67	/	/	<=30	Pass	
		Inner_1RB_Left	21.82	/	/	24.72	/	/	<=30	Pass	
		Inner_1RB_Right	21.94	/	/	24.84	/	/	<=30	Pass	
	3939.99	Edge_1RB_Left	21.90	/	/	24.80	/	/	<=30	Pass	
		Edge_1RB_Right	21.86	/	/	24.76	/	/	<=30	Pass	
		Outer_Full	21.84	/	/	24.74	/	/	<=30	Pass	
		Inner_Full	21.82	/	/	24.72	/	/	<=30	Pass	
Inner_1RB_Left		21.87	/	/	24.77	/	/	<=30	Pass		
Inner_1RB_Right		21.95	/	/	24.85	/	/	<=30	Pass		
CP-OFDM QPSK	3740.01	Edge_1RB_Left	22.77	/	/	25.67	/	/	<=30	Pass	

		Edge_1RB_Right	22.78	/	/	25.68	/	/	<=30	Pass
		Outer_Full	23.26	/	/	26.16	/	/	<=30	Pass
		Inner_Full	24.85	/	/	27.75	/	/	<=30	Pass
		Inner_1RB_Left	24.85	/	/	27.75	/	/	<=30	Pass
		Inner_1RB_Right	24.84	/	/	27.74	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.80	/	/	25.70	/	/	<=30	Pass
		Edge_1RB_Right	22.77	/	/	25.67	/	/	<=30	Pass
		Outer_Full	23.34	/	/	26.24	/	/	<=30	Pass
		Inner_Full	24.74	/	/	27.64	/	/	<=30	Pass
		Inner_1RB_Left	24.93	/	/	27.83	/	/	<=30	Pass
	3939.99	Inner_1RB_Right	24.93	/	/	27.83	/	/	<=30	Pass
		Edge_1RB_Left	22.78	/	/	25.68	/	/	<=30	Pass
		Edge_1RB_Right	22.80	/	/	25.70	/	/	<=30	Pass
		Outer_Full	23.32	/	/	26.22	/	/	<=30	Pass
		Inner_Full	24.86	/	/	27.76	/	/	<=30	Pass
CP-OFDM 16 QAM	3740.01	Inner_1RB_Left	24.86	/	/	27.76	/	/	<=30	Pass
		Inner_1RB_Right	24.90	/	/	27.80	/	/	<=30	Pass
		Edge_1RB_Left	22.73	/	/	25.63	/	/	<=30	Pass
		Edge_1RB_Right	22.86	/	/	25.76	/	/	<=30	Pass
		Outer_Full	23.28	/	/	26.18	/	/	<=30	Pass
	3840	Inner_Full	24.27	/	/	27.17	/	/	<=30	Pass
		Inner_1RB_Left	24.27	/	/	27.17	/	/	<=30	Pass
		Inner_1RB_Right	24.29	/	/	27.19	/	/	<=30	Pass
		Edge_1RB_Left	22.86	/	/	25.76	/	/	<=30	Pass
		Edge_1RB_Right	22.92	/	/	25.82	/	/	<=30	Pass
	3939.99	Outer_Full	23.35	/	/	26.25	/	/	<=30	Pass
		Inner_Full	24.24	/	/	27.14	/	/	<=30	Pass
		Inner_1RB_Left	24.37	/	/	27.27	/	/	<=30	Pass
		Inner_1RB_Right	24.38	/	/	27.28	/	/	<=30	Pass
		Edge_1RB_Left	22.72	/	/	25.62	/	/	<=30	Pass
CP-OFDM 64 QAM	3740.01	Edge_1RB_Right	22.87	/	/	25.77	/	/	<=30	Pass
		Outer_Full	23.33	/	/	26.23	/	/	<=30	Pass
		Inner_Full	24.38	/	/	27.28	/	/	<=30	Pass
		Inner_1RB_Left	24.20	/	/	27.10	/	/	<=30	Pass
		Inner_1RB_Right	24.25	/	/	27.15	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.71	/	/	25.61	/	/	<=30	Pass
		Edge_1RB_Right	22.97	/	/	25.87	/	/	<=30	Pass
		Outer_Full	22.80	/	/	25.70	/	/	<=30	Pass
		Inner_Full	22.82	/	/	25.72	/	/	<=30	Pass
		Inner_1RB_Left	22.64	/	/	25.54	/	/	<=30	Pass
	3939.99	Inner_1RB_Right	22.95	/	/	25.85	/	/	<=30	Pass
		Edge_1RB_Left	22.90	/	/	25.80	/	/	<=30	Pass
		Edge_1RB_Right	22.87	/	/	25.77	/	/	<=30	Pass
		Outer_Full	22.82	/	/	25.72	/	/	<=30	Pass
		Inner_Full	22.70	/	/	25.60	/	/	<=30	Pass
3740.01	Inner_1RB_Left	22.87	/	/	25.77	/	/	<=30	Pass	
	Inner_1RB_Right	22.82	/	/	25.72	/	/	<=30	Pass	
	Edge_1RB_Left	22.66	/	/	25.56	/	/	<=30	Pass	
	Edge_1RB_Right	22.97	/	/	25.87	/	/	<=30	Pass	
	Outer_Full	22.77	/	/	25.67	/	/	<=30	Pass	
CP-OFDM 256 QAM	3740.01	Inner_Full	22.87	/	/	25.77	/	/	<=30	Pass
		Inner_1RB_Left	22.58	/	/	25.48	/	/	<=30	Pass
		Inner_1RB_Right	22.99	/	/	25.89	/	/	<=30	Pass
		Edge_1RB_Left	19.77	/	/	22.67	/	/	<=30	Pass
		Edge_1RB_Right	19.84	/	/	22.74	/	/	<=30	Pass
3740.01	Outer_Full	19.79	/	/	22.69	/	/	<=30	Pass	
	Inner_Full	19.80	/	/	22.70	/	/	<=30	Pass	
	Inner_1RB_Left	19.95	/	/	22.85	/	/	<=30	Pass	
	Inner_1RB_Right	19.98	/	/	22.88	/	/	<=30	Pass	

	3840	Edge_1RB_Left	19.92	/	/	22.82	/	/	<=30	Pass
		Edge_1RB_Right	19.85	/	/	22.75	/	/	<=30	Pass
		Outer_Full	19.92	/	/	22.82	/	/	<=30	Pass
		Inner_Full	19.81	/	/	22.71	/	/	<=30	Pass
		Inner_1RB_Left	19.87	/	/	22.77	/	/	<=30	Pass
	Inner_1RB_Right	20.00	/	/	22.90	/	/	<=30	Pass	
	3939.99	Edge_1RB_Left	19.82	/	/	22.72	/	/	<=30	Pass
		Edge_1RB_Right	20.04	/	/	22.94	/	/	<=30	Pass
		Outer_Full	19.86	/	/	22.76	/	/	<=30	Pass
		Inner_Full	19.89	/	/	22.79	/	/	<=30	Pass
Inner_1RB_Left		19.85	/	/	22.75	/	/	<=30	Pass	
Inner_1RB_Right	20.04	/	/	22.94	/	/	<=30	Pass		
Note1: Antenna Gain: Ant1: 2.90dBi;										
Note2: EIRP=Conducted Power+Antenna Gain										

### 1.1.9 30k\_SISO\_90MHz\_NTNV\_EIRP

5G NR n77a SCS=30kHz SISO 90MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3745.02	Edge_1RB_Left	22.67	/	/	25.57	/	/	<=30	Pass
		Edge_1RB_Right	23.08	/	/	25.98	/	/	<=30	Pass
		Outer_Full	25.77	/	/	28.67	/	/	<=30	Pass
		Inner_Full	26.26	/	/	29.16	/	/	<=30	Pass
		Inner_1RB_Left	26.22	/	/	29.12	/	/	<=30	Pass
	Inner_1RB_Right	26.63	/	/	29.53	/	/	<=30	Pass	
	3840	Edge_1RB_Left	22.85	/	/	25.75	/	/	<=30	Pass
		Edge_1RB_Right	22.93	/	/	25.83	/	/	<=30	Pass
		Outer_Full	25.88	/	/	28.78	/	/	<=30	Pass
		Inner_Full	26.46	/	/	29.36	/	/	<=30	Pass
		Inner_1RB_Left	26.35	/	/	29.25	/	/	<=30	Pass
	Inner_1RB_Right	26.37	/	/	29.27	/	/	<=30	Pass	
	3934.98	Edge_1RB_Left	23.04	/	/	25.94	/	/	<=30	Pass
		Edge_1RB_Right	22.67	/	/	25.57	/	/	<=30	Pass
		Outer_Full	25.79	/	/	28.69	/	/	<=30	Pass
Inner_Full		26.41	/	/	29.31	/	/	<=30	Pass	
Inner_1RB_Left		26.50	/	/	29.40	/	/	<=30	Pass	
Inner_1RB_Right	26.23	/	/	29.13	/	/	<=30	Pass		
DFT-s-OFDM QPSK	3745.02	Edge_1RB_Left	22.69	/	/	25.59	/	/	<=30	Pass
		Edge_1RB_Right	23.04	/	/	25.94	/	/	<=30	Pass
		Outer_Full	25.22	/	/	28.12	/	/	<=30	Pass
		Inner_Full	26.25	/	/	29.15	/	/	<=30	Pass
		Inner_1RB_Left	26.15	/	/	29.05	/	/	<=30	Pass
	Inner_1RB_Right	26.59	/	/	29.49	/	/	<=30	Pass	
	3840	Edge_1RB_Left	22.88	/	/	25.78	/	/	<=30	Pass
		Edge_1RB_Right	22.87	/	/	25.77	/	/	<=30	Pass
		Outer_Full	25.30	/	/	28.20	/	/	<=30	Pass
		Inner_Full	26.35	/	/	29.25	/	/	<=30	Pass
		Inner_1RB_Left	26.34	/	/	29.24	/	/	<=30	Pass
	Inner_1RB_Right	26.29	/	/	29.19	/	/	<=30	Pass	
	3934.98	Edge_1RB_Left	22.98	/	/	25.88	/	/	<=30	Pass
		Edge_1RB_Right	22.64	/	/	25.54	/	/	<=30	Pass
		Outer_Full	25.30	/	/	28.20	/	/	<=30	Pass
Inner_Full		26.36	/	/	29.26	/	/	<=30	Pass	
Inner_1RB_Left		26.46	/	/	29.36	/	/	<=30	Pass	
Inner_1RB_Right	26.12	/	/	29.02	/	/	<=30	Pass		
DFT-s-OFDM 16 QAM	3745.02	Edge_1RB_Left	22.71	/	/	25.61	/	/	<=30	Pass
		Edge_1RB_Right	23.07	/	/	25.97	/	/	<=30	Pass

		Outer_Full	24.27	/	/	27.17	/	/	<=30	Pass
		Inner_Full	25.19	/	/	28.09	/	/	<=30	Pass
		Inner_1RB_Left	25.41	/	/	28.31	/	/	<=30	Pass
		Inner_1RB_Right	25.56	/	/	28.46	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.72	/	/	25.62	/	/	<=30	Pass
		Edge_1RB_Right	22.95	/	/	25.85	/	/	<=30	Pass
		Outer_Full	24.35	/	/	27.25	/	/	<=30	Pass
		Inner_Full	25.32	/	/	28.22	/	/	<=30	Pass
	3934.98	Inner_1RB_Left	25.29	/	/	28.19	/	/	<=30	Pass
		Inner_1RB_Right	25.42	/	/	28.32	/	/	<=30	Pass
		Edge_1RB_Left	22.91	/	/	25.81	/	/	<=30	Pass
		Edge_1RB_Right	22.67	/	/	25.57	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3745.02	Outer_Full	24.29	/	/	27.19	/	/	<=30	Pass
		Inner_Full	25.25	/	/	28.15	/	/	<=30	Pass
		Inner_1RB_Left	25.48	/	/	28.38	/	/	<=30	Pass
		Inner_1RB_Right	25.21	/	/	28.11	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.83	/	/	25.73	/	/	<=30	Pass
		Edge_1RB_Right	23.21	/	/	26.11	/	/	<=30	Pass
		Outer_Full	23.80	/	/	26.70	/	/	<=30	Pass
		Inner_Full	23.74	/	/	26.64	/	/	<=30	Pass
	3934.98	Inner_1RB_Left	23.70	/	/	26.60	/	/	<=30	Pass
		Inner_1RB_Right	24.17	/	/	27.07	/	/	<=30	Pass
		Edge_1RB_Left	22.83	/	/	25.73	/	/	<=30	Pass
		Edge_1RB_Right	22.84	/	/	25.74	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3745.02	Outer_Full	23.83	/	/	26.73	/	/	<=30	Pass
		Inner_Full	23.89	/	/	26.79	/	/	<=30	Pass
		Inner_1RB_Left	23.85	/	/	26.75	/	/	<=30	Pass
		Inner_1RB_Right	23.83	/	/	26.73	/	/	<=30	Pass
	3840	Edge_1RB_Left	23.03	/	/	25.93	/	/	<=30	Pass
		Edge_1RB_Right	22.79	/	/	25.69	/	/	<=30	Pass
		Outer_Full	23.84	/	/	26.74	/	/	<=30	Pass
		Inner_Full	23.81	/	/	26.71	/	/	<=30	Pass
	3934.98	Inner_1RB_Left	24.16	/	/	27.06	/	/	<=30	Pass
		Inner_1RB_Right	23.72	/	/	26.62	/	/	<=30	Pass
		Edge_1RB_Left	21.80	/	/	24.70	/	/	<=30	Pass
		Edge_1RB_Right	22.17	/	/	25.07	/	/	<=30	Pass
CP-OFDM QPSK	3745.02	Outer_Full	21.74	/	/	24.64	/	/	<=30	Pass
		Inner_Full	21.77	/	/	24.67	/	/	<=30	Pass
		Inner_1RB_Left	21.88	/	/	24.78	/	/	<=30	Pass
		Inner_1RB_Right	22.07	/	/	24.97	/	/	<=30	Pass
	3840	Edge_1RB_Left	21.85	/	/	24.75	/	/	<=30	Pass
		Edge_1RB_Right	21.96	/	/	24.86	/	/	<=30	Pass
		Outer_Full	21.76	/	/	24.66	/	/	<=30	Pass
		Inner_Full	21.81	/	/	24.71	/	/	<=30	Pass
	3934.98	Inner_1RB_Left	21.80	/	/	24.70	/	/	<=30	Pass
		Inner_1RB_Right	22.09	/	/	24.99	/	/	<=30	Pass
		Edge_1RB_Left	22.03	/	/	24.93	/	/	<=30	Pass
		Edge_1RB_Right	21.67	/	/	24.57	/	/	<=30	Pass
3745.02	Outer_Full	21.77	/	/	24.67	/	/	<=30	Pass	
	Inner_Full	21.87	/	/	24.77	/	/	<=30	Pass	
	Inner_1RB_Left	21.88	/	/	24.78	/	/	<=30	Pass	
	Inner_1RB_Right	21.64	/	/	24.54	/	/	<=30	Pass	
3840	Edge_1RB_Left	22.82	/	/	25.72	/	/	<=30	Pass	
	Edge_1RB_Right	23.18	/	/	26.08	/	/	<=30	Pass	
	Outer_Full	23.21	/	/	26.11	/	/	<=30	Pass	
	Inner_Full	24.80	/	/	27.70	/	/	<=30	Pass	
3745.02	Inner_1RB_Left	24.86	/	/	27.76	/	/	<=30	Pass	
	Inner_1RB_Right	25.14	/	/	28.04	/	/	<=30	Pass	
3840	Edge_1RB_Left	22.83	/	/	25.73	/	/	<=30	Pass	

		Edge_1RB_Right	22.93	/	/	25.83	/	/	<=30	Pass
		Outer_Full	23.32	/	/	26.22	/	/	<=30	Pass
		Inner_Full	24.91	/	/	27.81	/	/	<=30	Pass
		Inner_1RB_Left	24.98	/	/	27.88	/	/	<=30	Pass
		Inner_1RB_Right	25.04	/	/	27.94	/	/	<=30	Pass
	3934.98	Edge_1RB_Left	23.00	/	/	25.90	/	/	<=30	Pass
		Edge_1RB_Right	22.75	/	/	25.65	/	/	<=30	Pass
		Outer_Full	23.23	/	/	26.13	/	/	<=30	Pass
		Inner_Full	24.79	/	/	27.69	/	/	<=30	Pass
		Inner_1RB_Left	25.12	/	/	28.02	/	/	<=30	Pass
CP-OFDM 16 QAM	3745.02	Inner_1RB_Right	24.80	/	/	27.70	/	/	<=30	Pass
		Edge_1RB_Left	22.75	/	/	25.65	/	/	<=30	Pass
		Edge_1RB_Right	23.02	/	/	25.92	/	/	<=30	Pass
		Outer_Full	23.24	/	/	26.14	/	/	<=30	Pass
		Inner_Full	24.25	/	/	27.15	/	/	<=30	Pass
	3840	Inner_1RB_Left	24.21	/	/	27.11	/	/	<=30	Pass
		Inner_1RB_Right	24.62	/	/	27.52	/	/	<=30	Pass
		Edge_1RB_Left	22.93	/	/	25.83	/	/	<=30	Pass
		Edge_1RB_Right	22.95	/	/	25.85	/	/	<=30	Pass
		Outer_Full	23.28	/	/	26.18	/	/	<=30	Pass
3934.98	Inner_Full	24.40	/	/	27.30	/	/	<=30	Pass	
	Inner_1RB_Left	24.57	/	/	27.47	/	/	<=30	Pass	
	Inner_1RB_Right	24.51	/	/	27.41	/	/	<=30	Pass	
	Edge_1RB_Left	23.03	/	/	25.93	/	/	<=30	Pass	
	Edge_1RB_Right	22.66	/	/	25.56	/	/	<=30	Pass	
CP-OFDM 64 QAM	3745.02	Outer_Full	23.27	/	/	26.17	/	/	<=30	Pass
		Inner_Full	24.30	/	/	27.20	/	/	<=30	Pass
		Inner_1RB_Left	24.76	/	/	27.66	/	/	<=30	Pass
		Inner_1RB_Right	24.39	/	/	27.29	/	/	<=30	Pass
		Edge_1RB_Left	22.87	/	/	25.77	/	/	<=30	Pass
	3840	Edge_1RB_Right	23.12	/	/	26.02	/	/	<=30	Pass
		Outer_Full	22.73	/	/	25.63	/	/	<=30	Pass
		Inner_Full	22.74	/	/	25.64	/	/	<=30	Pass
		Inner_1RB_Left	22.57	/	/	25.47	/	/	<=30	Pass
		Inner_1RB_Right	23.26	/	/	26.16	/	/	<=30	Pass
3934.98	Edge_1RB_Left	22.84	/	/	25.74	/	/	<=30	Pass	
	Edge_1RB_Right	23.00	/	/	25.90	/	/	<=30	Pass	
	Outer_Full	22.84	/	/	25.74	/	/	<=30	Pass	
	Inner_Full	22.73	/	/	25.63	/	/	<=30	Pass	
	Inner_1RB_Left	22.85	/	/	25.75	/	/	<=30	Pass	
CP-OFDM 256 QAM	3745.02	Inner_1RB_Right	22.83	/	/	25.73	/	/	<=30	Pass
		Edge_1RB_Left	22.94	/	/	25.84	/	/	<=30	Pass
		Edge_1RB_Right	22.74	/	/	25.64	/	/	<=30	Pass
		Outer_Full	22.80	/	/	25.70	/	/	<=30	Pass
		Inner_Full	22.83	/	/	25.73	/	/	<=30	Pass
3840	Inner_1RB_Left	23.09	/	/	25.99	/	/	<=30	Pass	
	Inner_1RB_Right	22.73	/	/	25.63	/	/	<=30	Pass	
	Edge_1RB_Left	19.73	/	/	22.63	/	/	<=30	Pass	
	Edge_1RB_Right	20.37	/	/	23.27	/	/	<=30	Pass	
	Outer_Full	19.77	/	/	22.67	/	/	<=30	Pass	
3840	Inner_Full	19.82	/	/	22.72	/	/	<=30	Pass	
	Inner_1RB_Left	19.73	/	/	22.63	/	/	<=30	Pass	
	Inner_1RB_Right	20.21	/	/	23.11	/	/	<=30	Pass	
	Edge_1RB_Left	20.03	/	/	22.93	/	/	<=30	Pass	
	Edge_1RB_Right	19.99	/	/	22.89	/	/	<=30	Pass	
3840	Outer_Full	19.92	/	/	22.82	/	/	<=30	Pass	
	Inner_Full	19.92	/	/	22.82	/	/	<=30	Pass	
	Inner_1RB_Left	19.98	/	/	22.88	/	/	<=30	Pass	
		Inner_1RB_Right	20.05	/	/	22.95	/	/	<=30	Pass

	3934.98	Edge_1RB_Left	20.01	/	/	22.91	/	/	<=30	Pass
		Edge_1RB_Right	19.89	/	/	22.79	/	/	<=30	Pass
		Outer_Full	19.82	/	/	22.72	/	/	<=30	Pass
		Inner_Full	19.85	/	/	22.75	/	/	<=30	Pass
		Inner_1RB_Left	19.94	/	/	22.84	/	/	<=30	Pass
		Inner_1RB_Right	19.70	/	/	22.60	/	/	<=30	Pass
Note1: Antenna Gain: Ant1: 2.90dBi; Note2: EIRP=Conducted Power+Antenna Gain										

### 1.1.10 30k\_SISO\_100MHz\_NTNV\_EIRP

5G NR n77a SCS=30kHz SISO 100MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)			Limit	Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum		
DFT-s-OFDM PI/2 BPSK	3750	Edge_1RB_Left	22.90	/	/	25.80	/	/	<=30	Pass
		Edge_1RB_Right	23.02	/	/	25.92	/	/	<=30	Pass
		Outer_Full	25.81	/	/	28.71	/	/	<=30	Pass
		Inner_Full	26.28	/	/	29.18	/	/	<=30	Pass
		Inner_1RB_Left	26.36	/	/	29.26	/	/	<=30	Pass
		Inner_1RB_Right	26.47	/	/	29.37	/	/	<=30	Pass
	3840	Edge_1RB_Left	23.02	/	/	25.92	/	/	<=30	Pass
		Edge_1RB_Right	22.88	/	/	25.78	/	/	<=30	Pass
		Outer_Full	25.86	/	/	28.76	/	/	<=30	Pass
		Inner_Full	26.33	/	/	29.23	/	/	<=30	Pass
		Inner_1RB_Left	26.50	/	/	29.40	/	/	<=30	Pass
		Inner_1RB_Right	26.45	/	/	29.35	/	/	<=30	Pass
	3930	Edge_1RB_Left	23.05	/	/	25.95	/	/	<=30	Pass
		Edge_1RB_Right	23.02	/	/	25.92	/	/	<=30	Pass
		Outer_Full	25.83	/	/	28.73	/	/	<=30	Pass
		Inner_Full	26.37	/	/	29.27	/	/	<=30	Pass
		Inner_1RB_Left	26.62	/	/	29.52	/	/	<=30	Pass
		Inner_1RB_Right	26.41	/	/	29.31	/	/	<=30	Pass
DFT-s-OFDM QPSK	3750	Edge_1RB_Left	22.86	/	/	25.76	/	/	<=30	Pass
		Edge_1RB_Right	22.99	/	/	25.89	/	/	<=30	Pass
		Outer_Full	25.29	/	/	28.19	/	/	<=30	Pass
		Inner_Full	26.25	/	/	29.15	/	/	<=30	Pass
		Inner_1RB_Left	26.30	/	/	29.20	/	/	<=30	Pass
		Inner_1RB_Right	26.49	/	/	29.39	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.98	/	/	25.88	/	/	<=30	Pass
		Edge_1RB_Right	22.90	/	/	25.80	/	/	<=30	Pass
		Outer_Full	25.36	/	/	28.26	/	/	<=30	Pass
		Inner_Full	26.30	/	/	29.20	/	/	<=30	Pass
		Inner_1RB_Left	26.42	/	/	29.32	/	/	<=30	Pass
		Inner_1RB_Right	26.35	/	/	29.25	/	/	<=30	Pass
	3930	Edge_1RB_Left	23.14	/	/	26.04	/	/	<=30	Pass
		Edge_1RB_Right	22.81	/	/	25.71	/	/	<=30	Pass
		Outer_Full	25.35	/	/	28.25	/	/	<=30	Pass
		Inner_Full	26.29	/	/	29.19	/	/	<=30	Pass
		Inner_1RB_Left	26.56	/	/	29.46	/	/	<=30	Pass
		Inner_1RB_Right	26.35	/	/	29.25	/	/	<=30	Pass
DFT-s-OFDM 16 QAM	3750	Edge_1RB_Left	22.99	/	/	25.89	/	/	<=30	Pass
		Edge_1RB_Right	23.14	/	/	26.04	/	/	<=30	Pass
		Outer_Full	24.33	/	/	27.23	/	/	<=30	Pass
		Inner_Full	25.34	/	/	28.24	/	/	<=30	Pass
		Inner_1RB_Left	25.24	/	/	28.14	/	/	<=30	Pass
		Inner_1RB_Right	25.38	/	/	28.28	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.94	/	/	25.84	/	/	<=30	Pass
		Edge_1RB_Right	22.89	/	/	25.79	/	/	<=30	Pass

		Outer_Full	24.40	/	/	27.30	/	/	<=30	Pass
		Inner_Full	25.34	/	/	28.24	/	/	<=30	Pass
		Inner_1RB_Left	25.50	/	/	28.40	/	/	<=30	Pass
		Inner_1RB_Right	25.49	/	/	28.39	/	/	<=30	Pass
	3930	Edge_1RB_Left	23.19	/	/	26.09	/	/	<=30	Pass
		Edge_1RB_Right	22.79	/	/	25.69	/	/	<=30	Pass
		Outer_Full	24.41	/	/	27.31	/	/	<=30	Pass
		Inner_Full	25.35	/	/	28.25	/	/	<=30	Pass
		Inner_1RB_Left	25.53	/	/	28.43	/	/	<=30	Pass
		Inner_1RB_Right	25.55	/	/	28.45	/	/	<=30	Pass
DFT-s-OFDM 64 QAM	3750	Edge_1RB_Left	22.74	/	/	25.64	/	/	<=30	Pass
		Edge_1RB_Right	23.13	/	/	26.03	/	/	<=30	Pass
		Outer_Full	23.87	/	/	26.77	/	/	<=30	Pass
		Inner_Full	23.86	/	/	26.76	/	/	<=30	Pass
		Inner_1RB_Left	23.79	/	/	26.69	/	/	<=30	Pass
		Inner_1RB_Right	24.00	/	/	26.90	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.93	/	/	25.83	/	/	<=30	Pass
		Edge_1RB_Right	22.89	/	/	25.79	/	/	<=30	Pass
		Outer_Full	23.88	/	/	26.78	/	/	<=30	Pass
		Inner_Full	23.85	/	/	26.75	/	/	<=30	Pass
		Inner_1RB_Left	23.94	/	/	26.84	/	/	<=30	Pass
		Inner_1RB_Right	23.88	/	/	26.78	/	/	<=30	Pass
	3930	Edge_1RB_Left	23.01	/	/	25.91	/	/	<=30	Pass
		Edge_1RB_Right	22.85	/	/	25.75	/	/	<=30	Pass
		Outer_Full	23.86	/	/	26.76	/	/	<=30	Pass
		Inner_Full	23.77	/	/	26.67	/	/	<=30	Pass
		Inner_1RB_Left	24.19	/	/	27.09	/	/	<=30	Pass
		Inner_1RB_Right	23.86	/	/	26.76	/	/	<=30	Pass
DFT-s-OFDM 256 QAM	3750	Edge_1RB_Left	21.89	/	/	24.79	/	/	<=30	Pass
		Edge_1RB_Right	22.07	/	/	24.97	/	/	<=30	Pass
		Outer_Full	21.75	/	/	24.65	/	/	<=30	Pass
		Inner_Full	21.81	/	/	24.71	/	/	<=30	Pass
		Inner_1RB_Left	21.73	/	/	24.63	/	/	<=30	Pass
		Inner_1RB_Right	21.99	/	/	24.89	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.17	/	/	25.07	/	/	<=30	Pass
		Edge_1RB_Right	21.84	/	/	24.74	/	/	<=30	Pass
		Outer_Full	21.91	/	/	24.81	/	/	<=30	Pass
		Inner_Full	21.87	/	/	24.77	/	/	<=30	Pass
		Inner_1RB_Left	21.92	/	/	24.82	/	/	<=30	Pass
		Inner_1RB_Right	21.97	/	/	24.87	/	/	<=30	Pass
	3930	Edge_1RB_Left	21.93	/	/	24.83	/	/	<=30	Pass
		Edge_1RB_Right	21.73	/	/	24.63	/	/	<=30	Pass
		Outer_Full	21.88	/	/	24.78	/	/	<=30	Pass
		Inner_Full	21.86	/	/	24.76	/	/	<=30	Pass
		Inner_1RB_Left	22.13	/	/	25.03	/	/	<=30	Pass
		Inner_1RB_Right	22.10	/	/	25.00	/	/	<=30	Pass
CP-OFDM QPSK	3750	Edge_1RB_Left	22.80	/	/	25.70	/	/	<=30	Pass
		Edge_1RB_Right	23.11	/	/	26.01	/	/	<=30	Pass
		Outer_Full	23.31	/	/	26.21	/	/	<=30	Pass
		Inner_Full	24.66	/	/	27.56	/	/	<=30	Pass
		Inner_1RB_Left	25.02	/	/	27.92	/	/	<=30	Pass
		Inner_1RB_Right	25.13	/	/	28.03	/	/	<=30	Pass
	3840	Edge_1RB_Left	22.79	/	/	25.69	/	/	<=30	Pass
		Edge_1RB_Right	22.82	/	/	25.72	/	/	<=30	Pass
		Outer_Full	23.35	/	/	26.25	/	/	<=30	Pass
		Inner_Full	24.70	/	/	27.60	/	/	<=30	Pass
		Inner_1RB_Left	25.04	/	/	27.94	/	/	<=30	Pass
		Inner_1RB_Right	25.01	/	/	27.91	/	/	<=30	Pass
	3930	Edge_1RB_Left	23.12	/	/	26.02	/	/	<=30	Pass

		Edge_1RB_Right	22.96	/	/	25.86	/	/	<=30	Pass
		Outer_Full	23.26	/	/	26.16	/	/	<=30	Pass
		Inner_Full	24.74	/	/	27.64	/	/	<=30	Pass
		Inner_1RB_Left	25.13	/	/	28.03	/	/	<=30	Pass
		Inner_1RB_Right	25.06	/	/	27.96	/	/	<=30	Pass
CP-OFDM 16 QAM	3750	Edge_1RB_Left	22.91	/	/	25.81	/	/	<=30	Pass
		Edge_1RB_Right	22.98	/	/	25.88	/	/	<=30	Pass
		Outer_Full	23.28	/	/	26.18	/	/	<=30	Pass
		Inner_Full	24.27	/	/	27.17	/	/	<=30	Pass
		Inner_1RB_Left	24.48	/	/	27.38	/	/	<=30	Pass
	3840	Inner_1RB_Right	24.59	/	/	27.49	/	/	<=30	Pass
		Edge_1RB_Left	22.89	/	/	25.79	/	/	<=30	Pass
		Edge_1RB_Right	22.98	/	/	25.88	/	/	<=30	Pass
		Outer_Full	23.28	/	/	26.18	/	/	<=30	Pass
		Inner_Full	24.41	/	/	27.31	/	/	<=30	Pass
	3930	Inner_1RB_Left	24.31	/	/	27.21	/	/	<=30	Pass
		Inner_1RB_Right	24.57	/	/	27.47	/	/	<=30	Pass
		Edge_1RB_Left	22.99	/	/	25.89	/	/	<=30	Pass
		Edge_1RB_Right	22.78	/	/	25.68	/	/	<=30	Pass
		Outer_Full	23.36	/	/	26.26	/	/	<=30	Pass
CP-OFDM 64 QAM	3750	Inner_Full	24.37	/	/	27.27	/	/	<=30	Pass
		Inner_1RB_Left	24.43	/	/	27.33	/	/	<=30	Pass
		Inner_1RB_Right	24.51	/	/	27.41	/	/	<=30	Pass
		Edge_1RB_Left	22.99	/	/	25.89	/	/	<=30	Pass
		Edge_1RB_Right	22.99	/	/	25.89	/	/	<=30	Pass
	3840	Outer_Full	22.79	/	/	25.69	/	/	<=30	Pass
		Inner_Full	22.79	/	/	25.69	/	/	<=30	Pass
		Inner_1RB_Left	23.03	/	/	25.93	/	/	<=30	Pass
		Inner_1RB_Right	22.81	/	/	25.71	/	/	<=30	Pass
		Edge_1RB_Left	22.93	/	/	25.83	/	/	<=30	Pass
	3930	Edge_1RB_Right	22.95	/	/	25.85	/	/	<=30	Pass
		Outer_Full	22.92	/	/	25.82	/	/	<=30	Pass
		Inner_Full	22.88	/	/	25.78	/	/	<=30	Pass
		Inner_1RB_Left	23.01	/	/	25.91	/	/	<=30	Pass
		Inner_1RB_Right	22.94	/	/	25.84	/	/	<=30	Pass
CP-OFDM 256 QAM	3750	Edge_1RB_Left	23.06	/	/	25.96	/	/	<=30	Pass
		Edge_1RB_Right	22.96	/	/	25.86	/	/	<=30	Pass
		Outer_Full	22.91	/	/	25.81	/	/	<=30	Pass
		Inner_Full	22.77	/	/	25.67	/	/	<=30	Pass
		Inner_1RB_Left	23.05	/	/	25.95	/	/	<=30	Pass
	3840	Inner_1RB_Right	22.93	/	/	25.83	/	/	<=30	Pass
		Edge_1RB_Left	19.81	/	/	22.71	/	/	<=30	Pass
		Edge_1RB_Right	20.07	/	/	22.97	/	/	<=30	Pass
		Outer_Full	19.87	/	/	22.77	/	/	<=30	Pass
		Inner_Full	19.90	/	/	22.80	/	/	<=30	Pass
	3930	Inner_1RB_Left	20.04	/	/	22.94	/	/	<=30	Pass
		Inner_1RB_Right	20.06	/	/	22.96	/	/	<=30	Pass
		Edge_1RB_Left	19.87	/	/	22.77	/	/	<=30	Pass
		Edge_1RB_Right	20.07	/	/	22.97	/	/	<=30	Pass
		Outer_Full	19.91	/	/	22.81	/	/	<=30	Pass
3840	Inner_Full	19.81	/	/	22.71	/	/	<=30	Pass	
	Inner_1RB_Left	19.80	/	/	22.70	/	/	<=30	Pass	
	Inner_1RB_Right	20.12	/	/	23.02	/	/	<=30	Pass	
	Edge_1RB_Left	20.05	/	/	22.95	/	/	<=30	Pass	
	Edge_1RB_Right	19.97	/	/	22.87	/	/	<=30	Pass	
3930	Outer_Full	19.86	/	/	22.76	/	/	<=30	Pass	
	Inner_Full	19.88	/	/	22.78	/	/	<=30	Pass	
	Inner_1RB_Left	20.12	/	/	23.02	/	/	<=30	Pass	
	Inner_1RB_Right	19.95	/	/	22.85	/	/	<=30	Pass	

Note1: Antenna Gain: Ant1: 2.90dBi;  
 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	21.40	0.0056	>=-2.5 & <=2.5	Pass
				HV	-7.00	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	11.50	0.0030	>=-2.5 & <=2.5	Pass
			-20	NV	8.70	0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	19.20	0.0050	>=-2.5 & <=2.5	Pass
			0	NV	2.30	0.0006	>=-2.5 & <=2.5	Pass
			10	NV	12.00	0.0031	>=-2.5 & <=2.5	Pass
			20	NV	11.60	0.0030	>=-2.5 & <=2.5	Pass
			30	NV	10.90	0.0028	>=-2.5 & <=2.5	Pass
			40	NV	-4.60	-0.0012	>=-2.5 & <=2.5	Pass
50	NV	16.60	0.0043	>=-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	8.66	9.71	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	8.67	10.04	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	8.69	10.21	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	8.70	9.63	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	8.74	10.14	/	Pass
CP-OFDM QPSK	3840	Outer_Full	8.70	10.00	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	8.77	10.12	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	8.67	10.31	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	8.67	9.89	/	Pass

##### 3.1.2 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	18.09	20.07	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	18.12	19.87	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	18.07	19.56	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	17.99	19.59	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	18.00	19.55	/	Pass
CP-OFDM QPSK	3840	Outer_Full	18.43	20.18	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	18.41	19.99	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	18.38	19.75	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	18.38	20.58	/	Pass

##### 3.1.3 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	27.08	29.10	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	27.11	29.80	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	27.14	29.26	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	27.03	29.46	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	27.07	29.36	/	Pass
CP-OFDM QPSK	3840	Outer_Full	28.09	30.25	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	28.06	30.04	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	28.10	30.15	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	28.10	30.07	/	Pass

##### 3.1.4 30k\_SISO\_40MHz\_NTNV

5G NR n77a SCS=30kHz SISO 40MHz NTN						
Modulation	Frequency	RB	99% Bandwidth	26dB Bandwidth	Limit	Verdict

	(MHz)	Allocation	(MHz)	(MHz)	(MHz)	
DFT-s-OFDM PI/2 BPSK	3840	Outer_Full	36.16	38.67	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	36.04	38.89	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	35.98	38.61	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	36.03	38.83	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	36.12	38.66	/	Pass
CP-OFDM QPSK	3840	Outer_Full	38.03	41.02	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	38.20	40.81	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	38.16	40.67	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	38.05	40.57	/	Pass

### 3.1.5 30k\_SISO\_50MHz\_NTNV

5G NR n77a SCS=30kHz SISO 50MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3840	Outer_Full	46.05	49.24	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	45.96	49.33	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	46.07	49.18	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	46.19	49.54	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	46.19	49.21	/	Pass
CP-OFDM QPSK	3840	Outer_Full	47.94	51.11	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	47.88	51.11	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	47.92	51.24	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	47.52	51.09	/	Pass

### 3.1.6 30k\_SISO\_60MHz\_NTNV

5G NR n77a SCS=30kHz SISO 60MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3840	Outer_Full	58.28	62.27	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	58.51	62.37	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	58.39	62.23	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	58.27	62.46	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	58.29	62.25	/	Pass
CP-OFDM QPSK	3840	Outer_Full	58.13	62.24	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	58.23	62.25	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	58.47	62.17	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	57.99	61.94	/	Pass

### 3.1.7 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	64.89	69.11	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	65.15	69.57	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	64.80	69.86	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	64.59	69.64	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	64.93	69.57	/	Pass
CP-OFDM QPSK	3840	Outer_Full	68.18	72.60	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	68.19	72.73	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	67.93	72.72	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	67.81	72.78	/	Pass

### 3.1.8 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	83.04	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	77.67	83.07	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	78.06	83.07	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	77.81	82.93	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	77.67	83.11	/	Pass
CP-OFDM QPSK	3840	Outer_Full	78.24	83.41	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	77.98	83.27	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	78.42	83.41	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	78.36	83.28	/	Pass

### 3.1.9 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	87.82	92.98	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	87.49	93.23	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	87.51	93.22	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	87.59	93.19	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	87.67	92.90	/	Pass
CP-OFDM QPSK	3840	Outer_Full	88.18	93.38	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	88.19	93.71	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	88.22	93.80	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	88.05	93.65	/	Pass

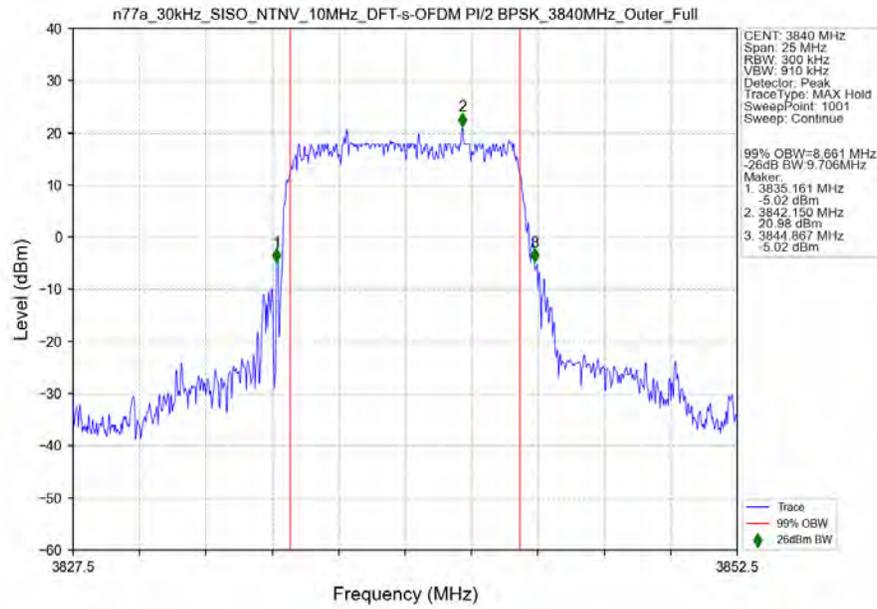
### 3.1.10 30k\_SISO\_100MHz\_NTNV

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	97.32	103.47	/	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	96.86	103.82	/	Pass
DFT-s-OFDM 16 QAM	3840	Outer_Full	97.14	103.73	/	Pass
DFT-s-OFDM 64 QAM	3840	Outer_Full	97.10	103.56	/	Pass
DFT-s-OFDM 256 QAM	3840	Outer_Full	97.23	103.75	/	Pass
CP-OFDM QPSK	3840	Outer_Full	98.07	104.60	/	Pass
CP-OFDM 16 QAM	3840	Outer_Full	98.23	104.69	/	Pass
CP-OFDM 64 QAM	3840	Outer_Full	98.31	104.36	/	Pass
CP-OFDM 256 QAM	3840	Outer_Full	98.06	104.35	/	Pass

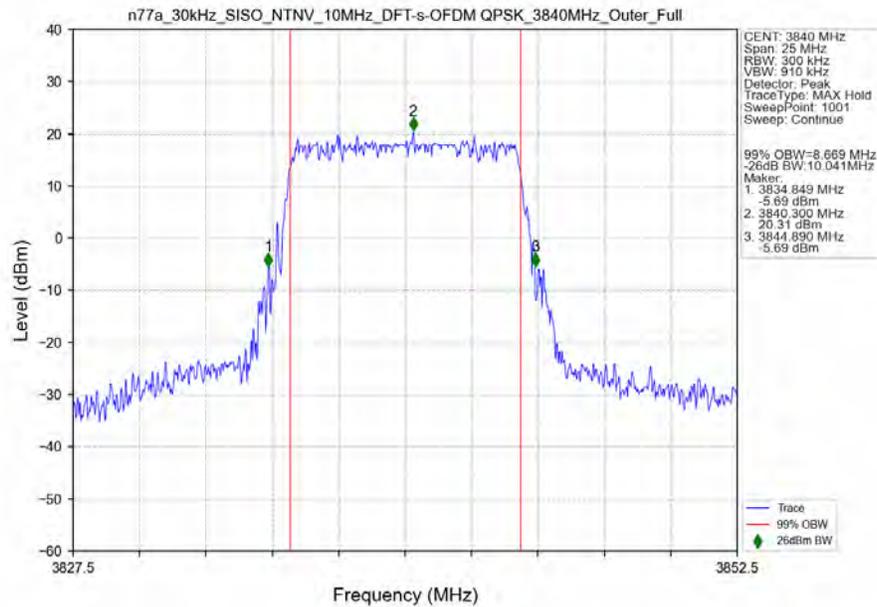
## 3.2 Test Graph

### 3.2.1 30k\_SISO\_10MHz\_NTNV

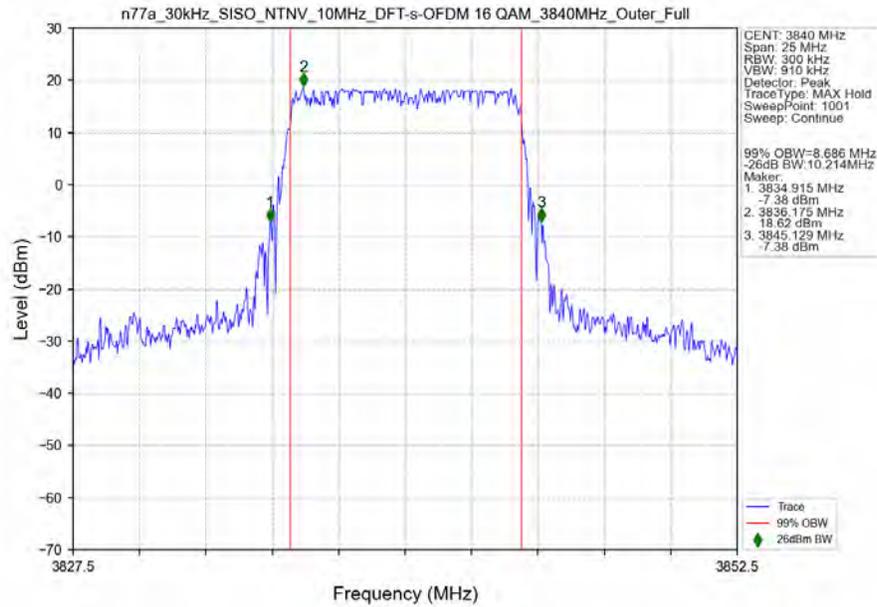
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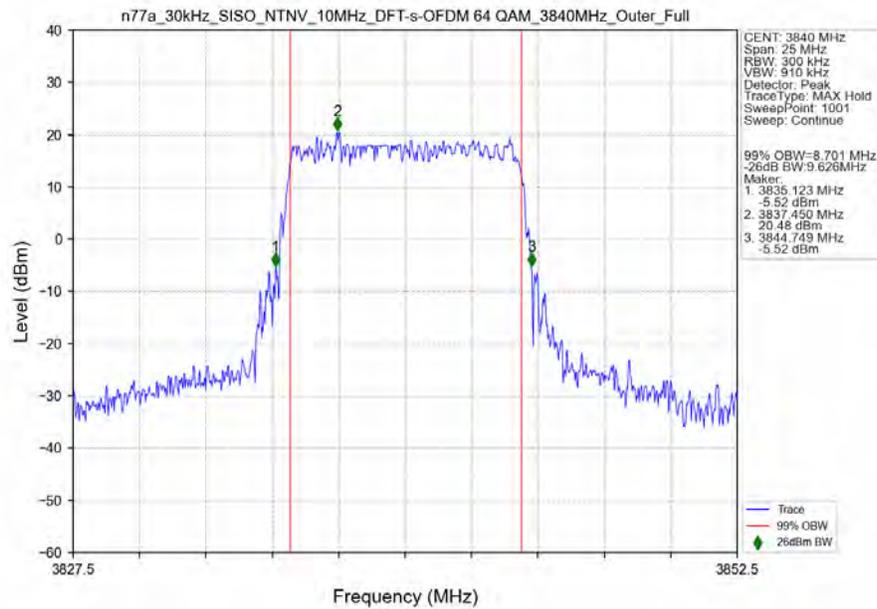
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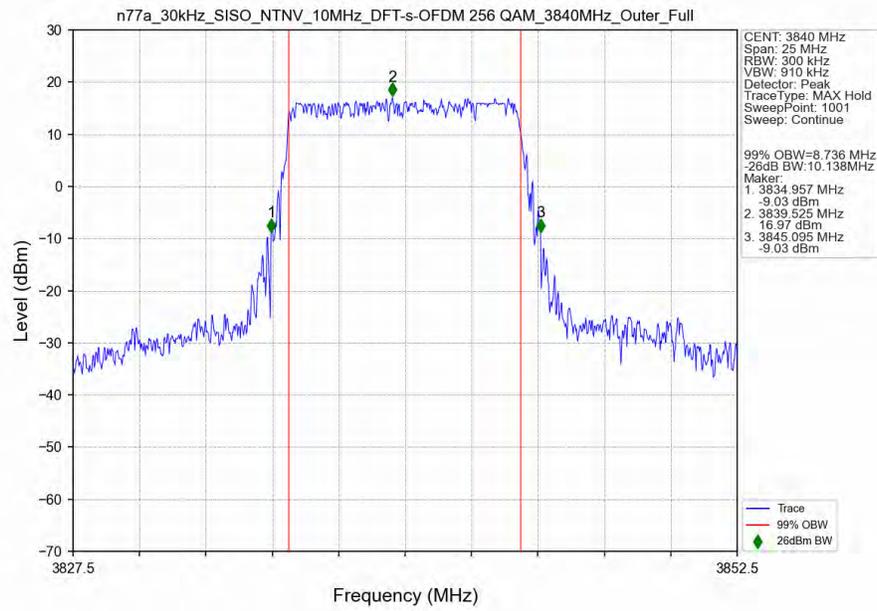
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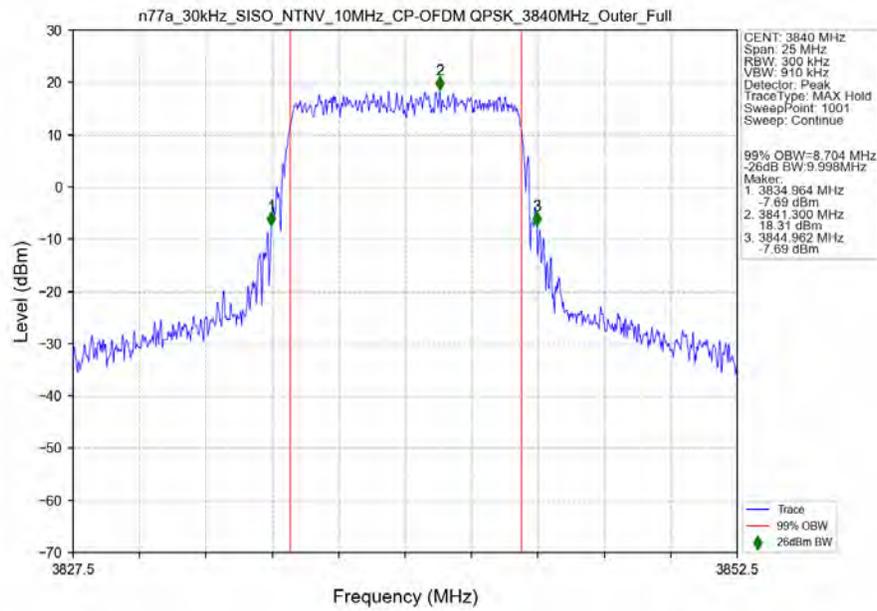
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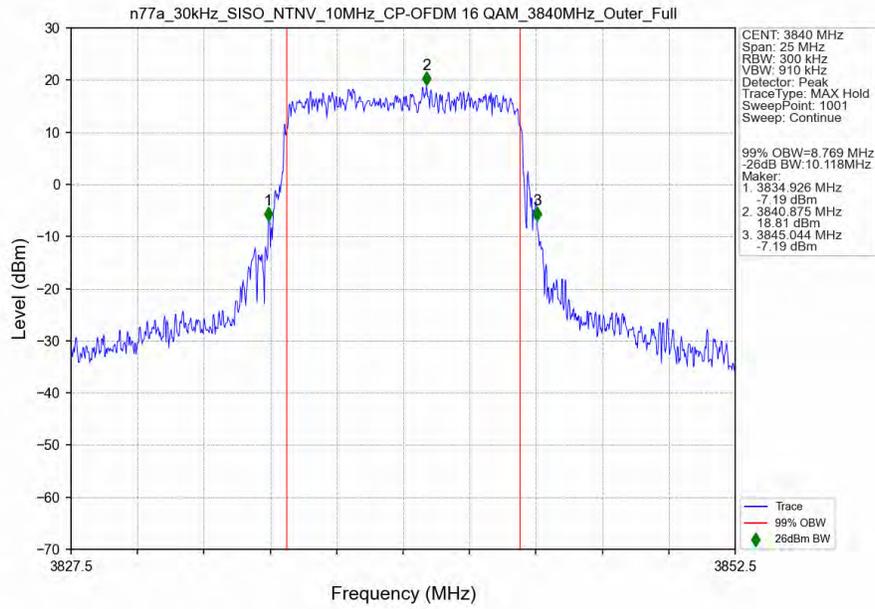
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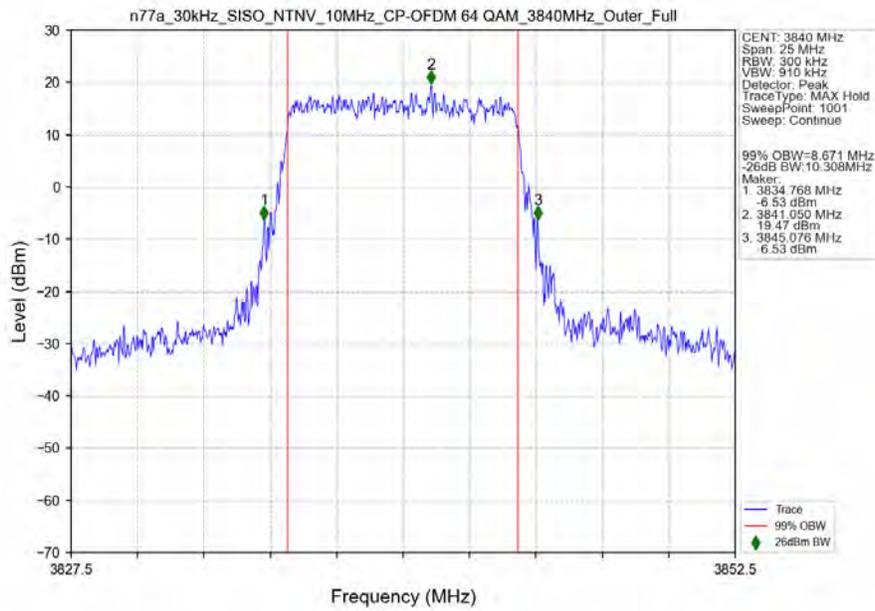
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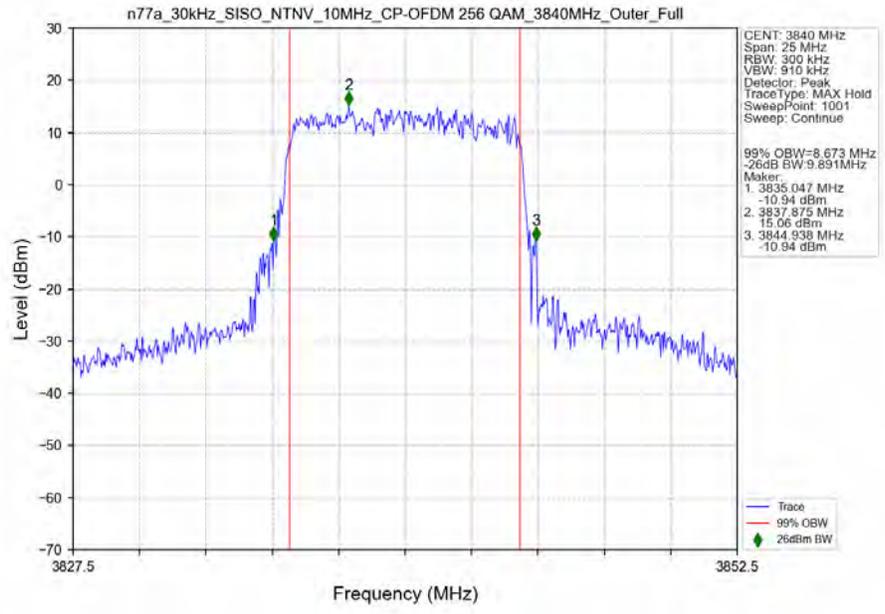
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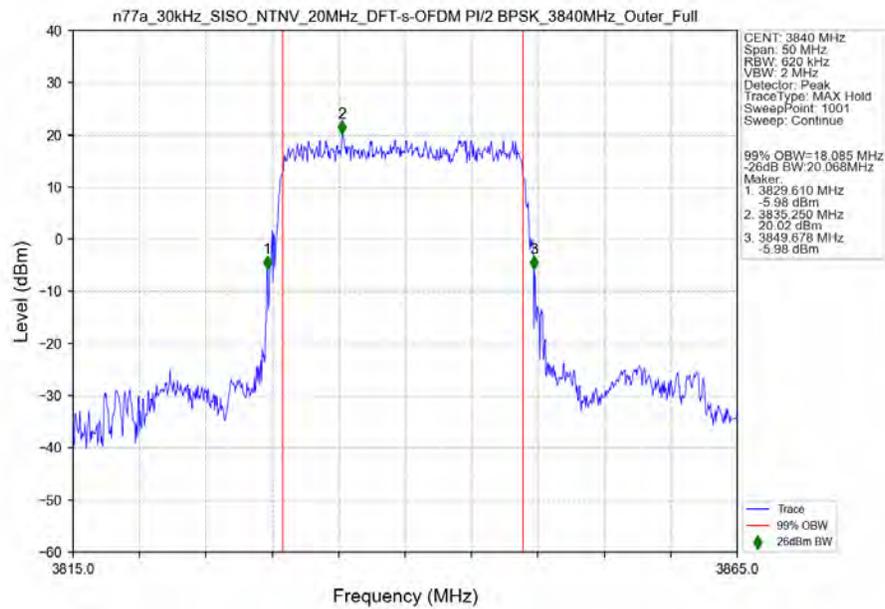


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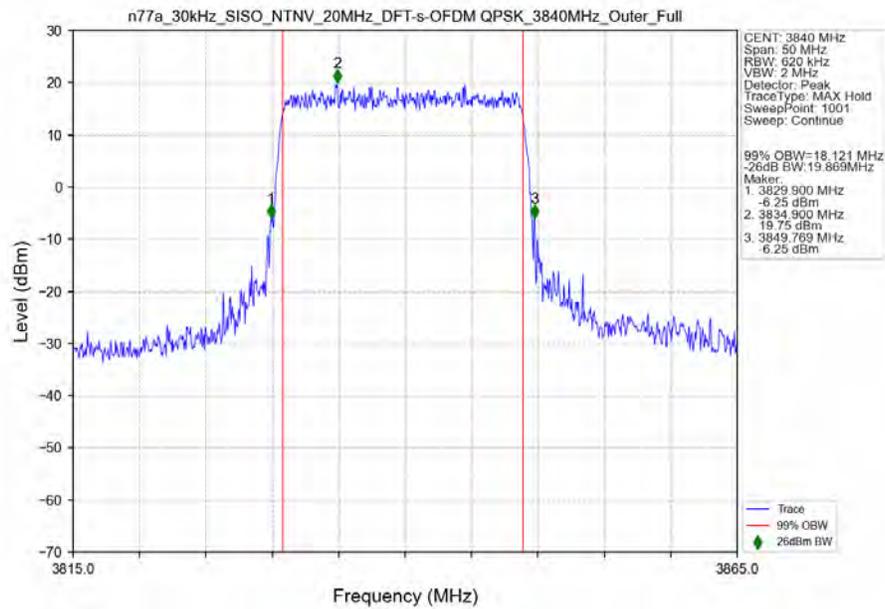


### 3.2.2 30k\_SISO\_20MHz\_NTNV

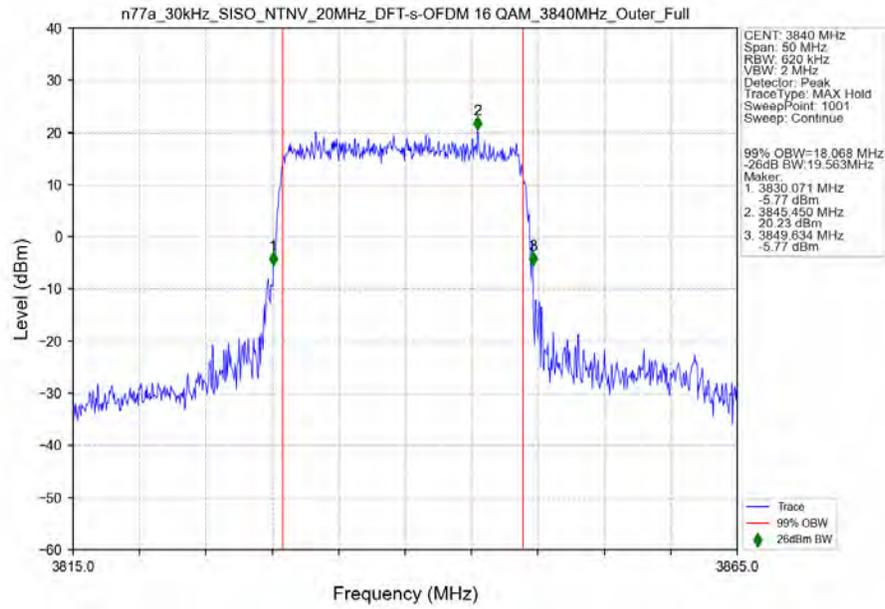
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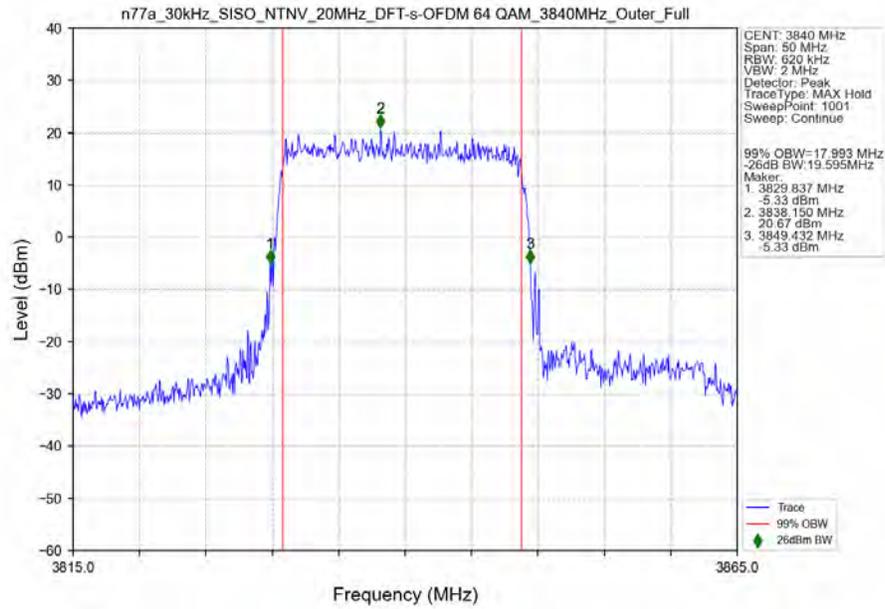
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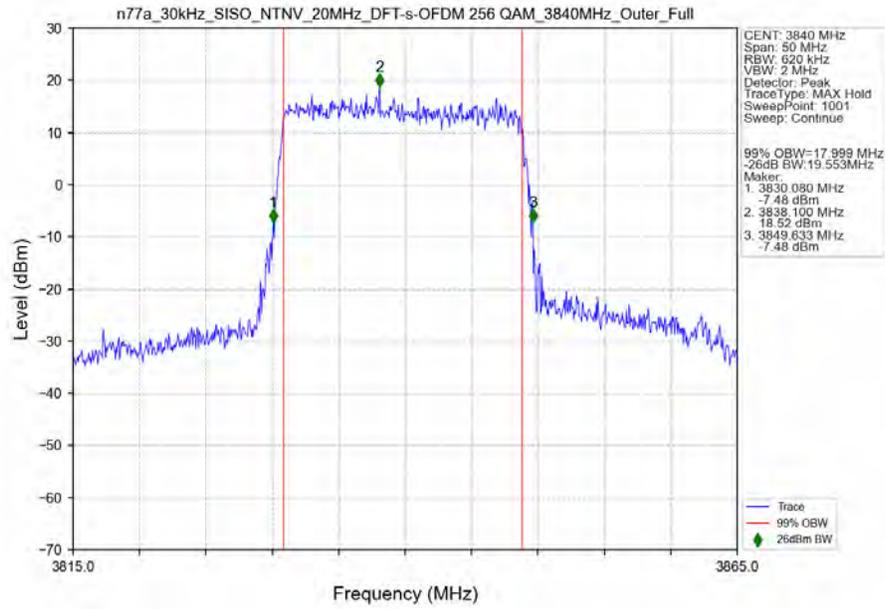
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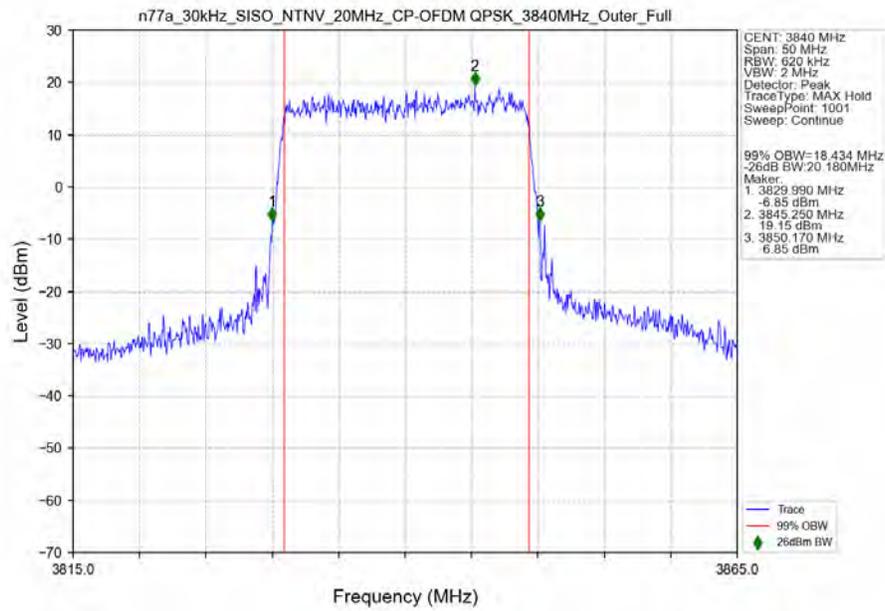
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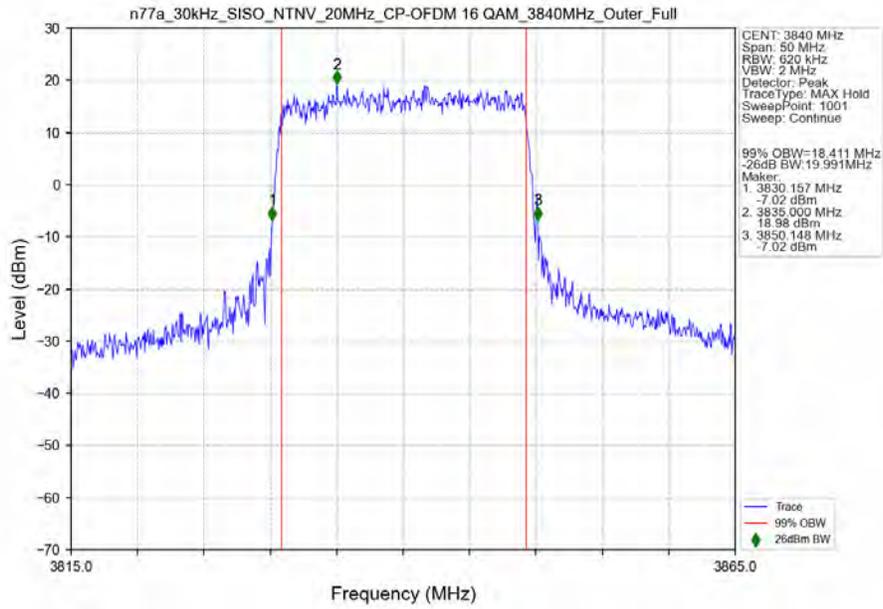
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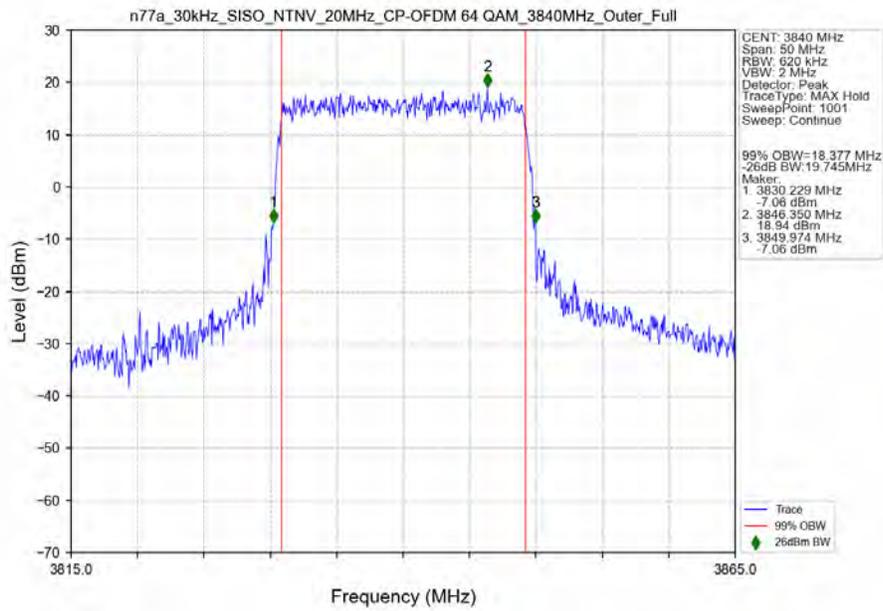
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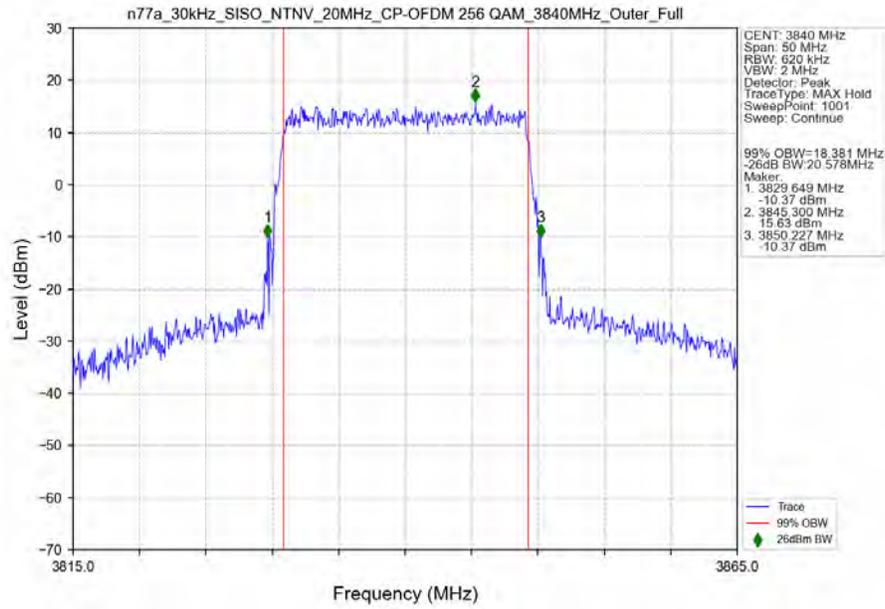
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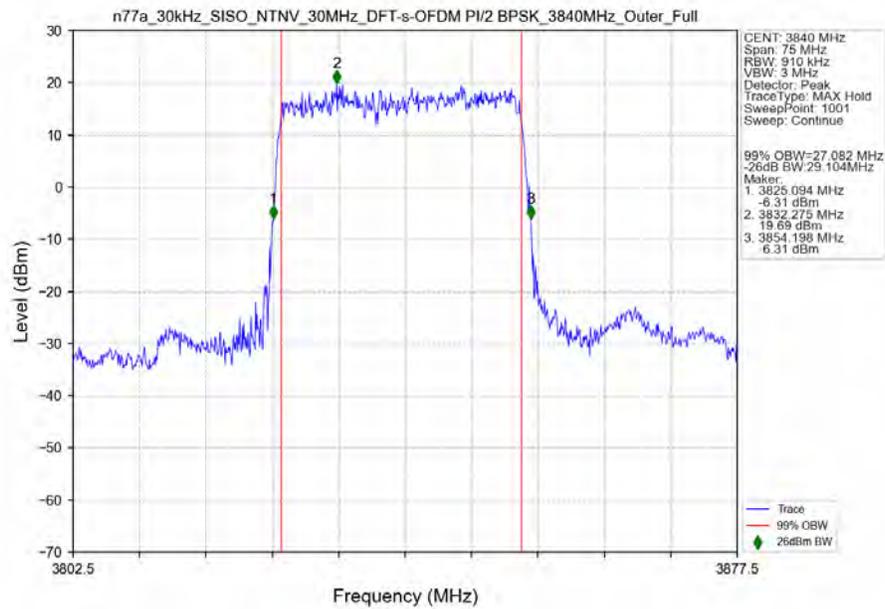


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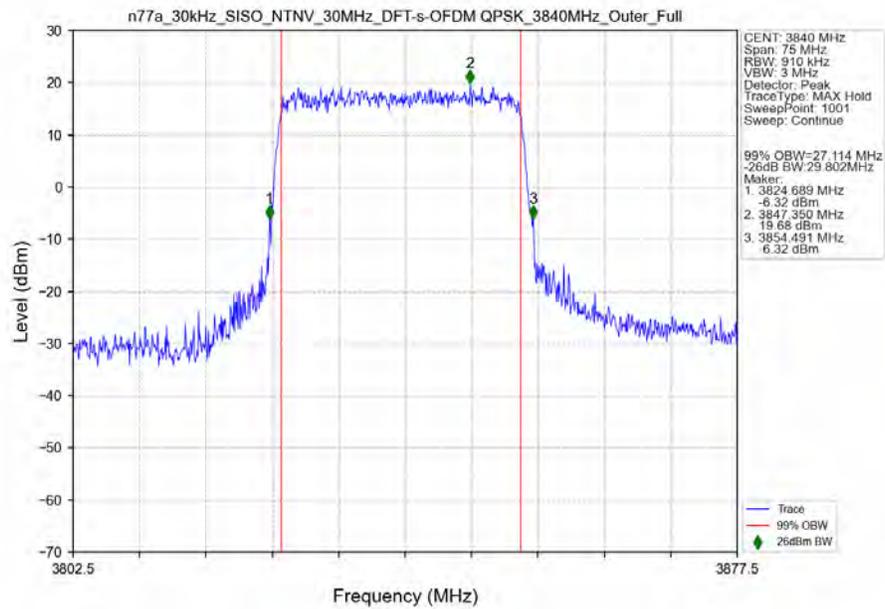


### 3.2.3 30k\_SISO\_30MHz\_NTNV

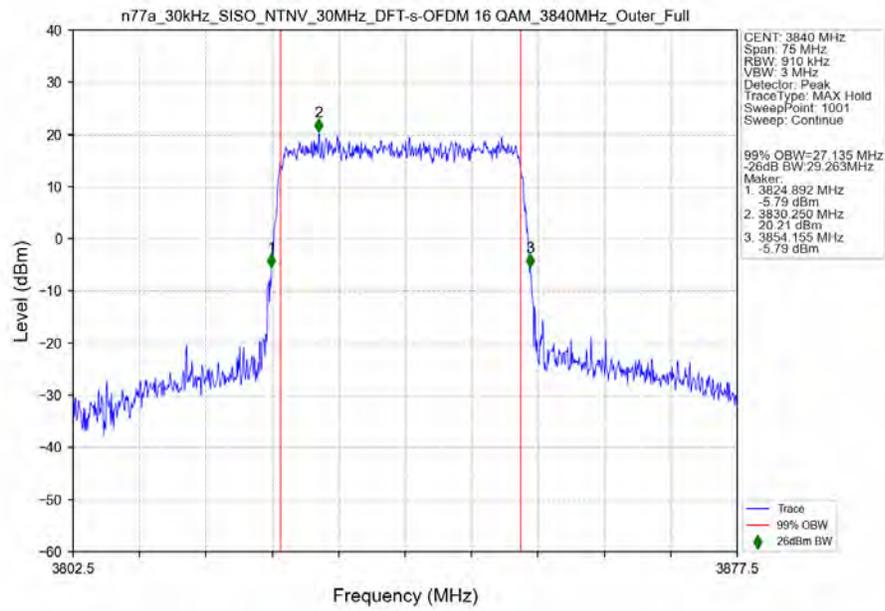
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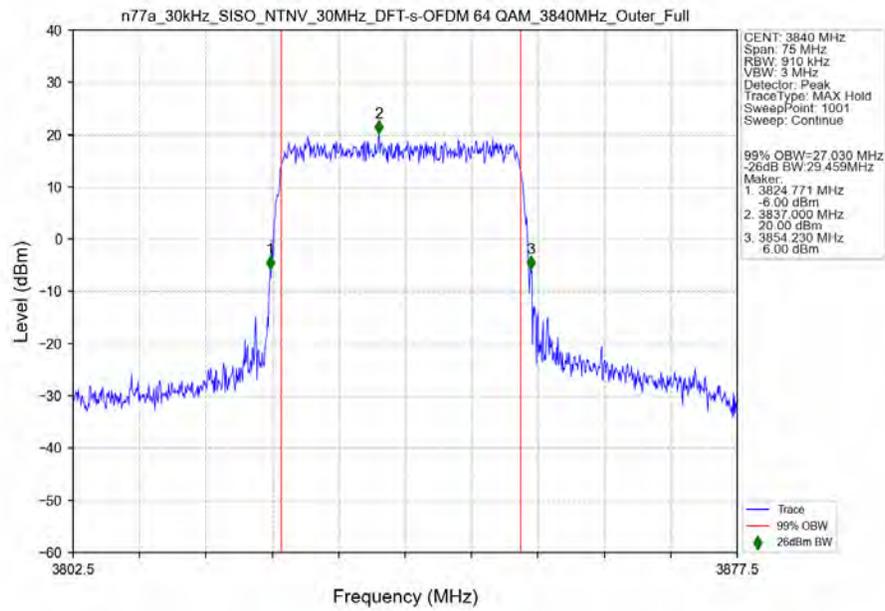
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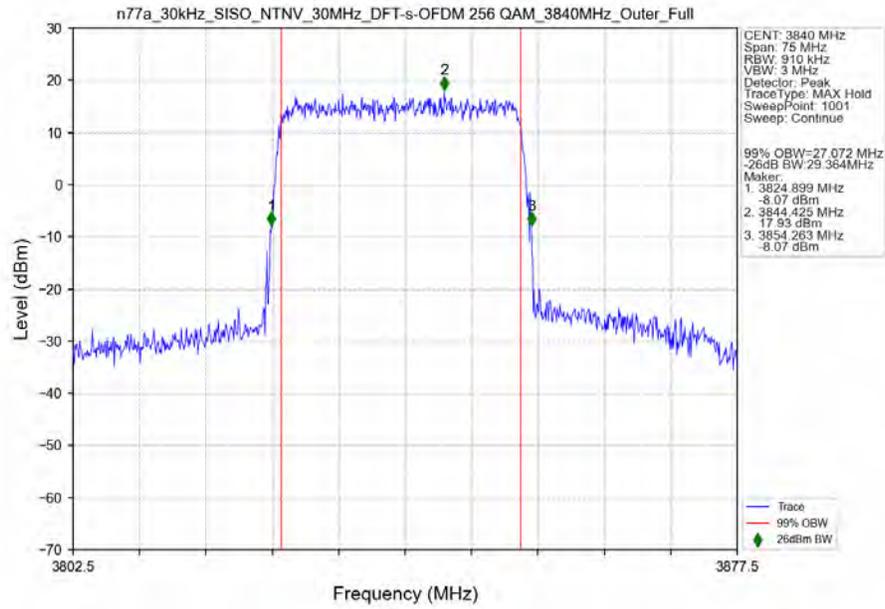
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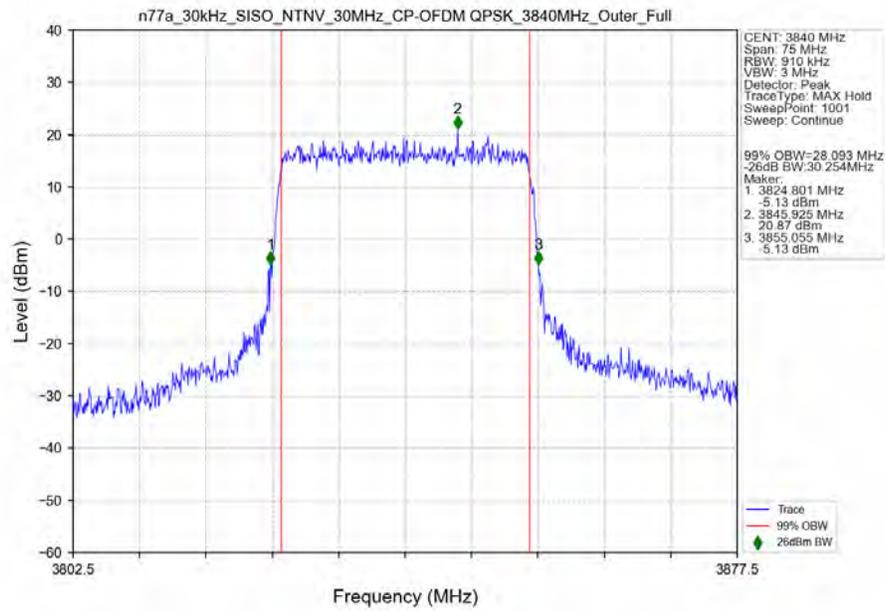
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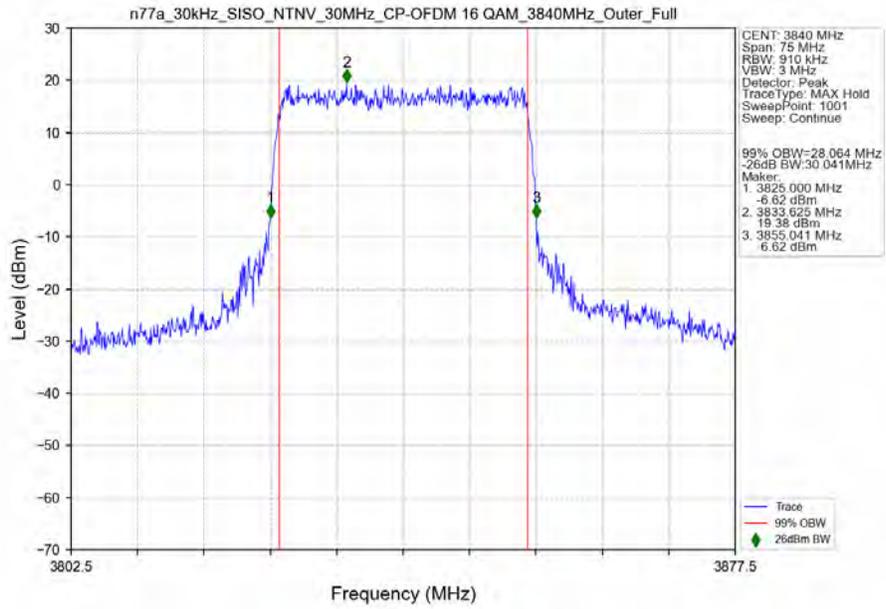
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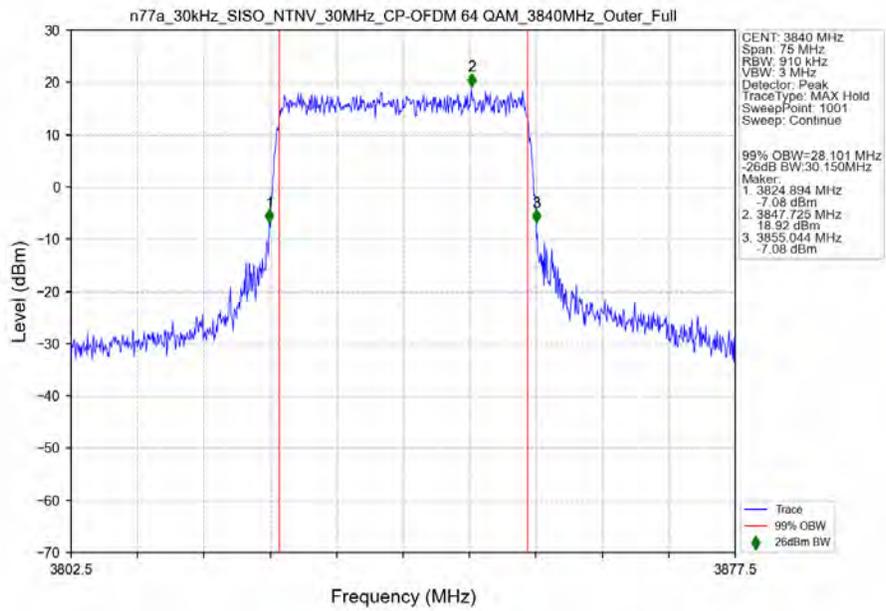
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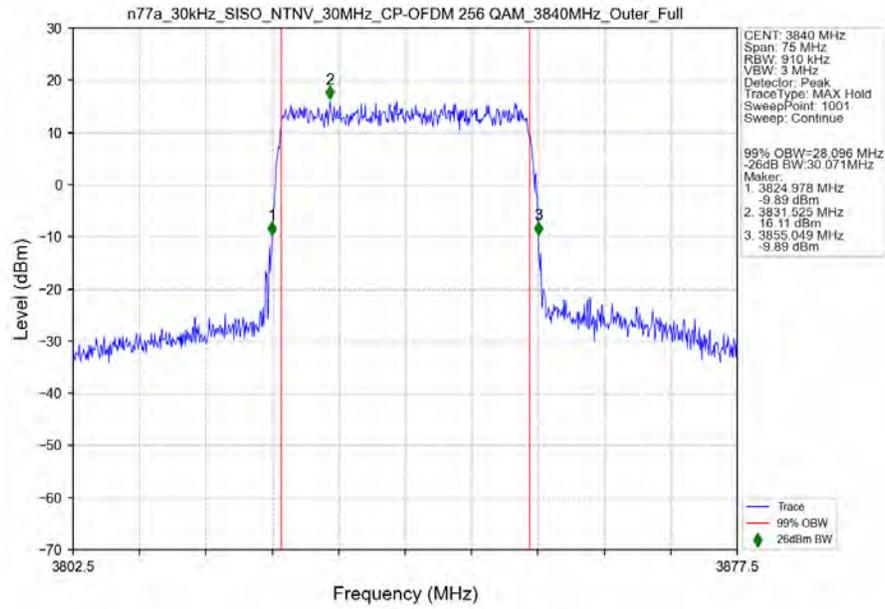
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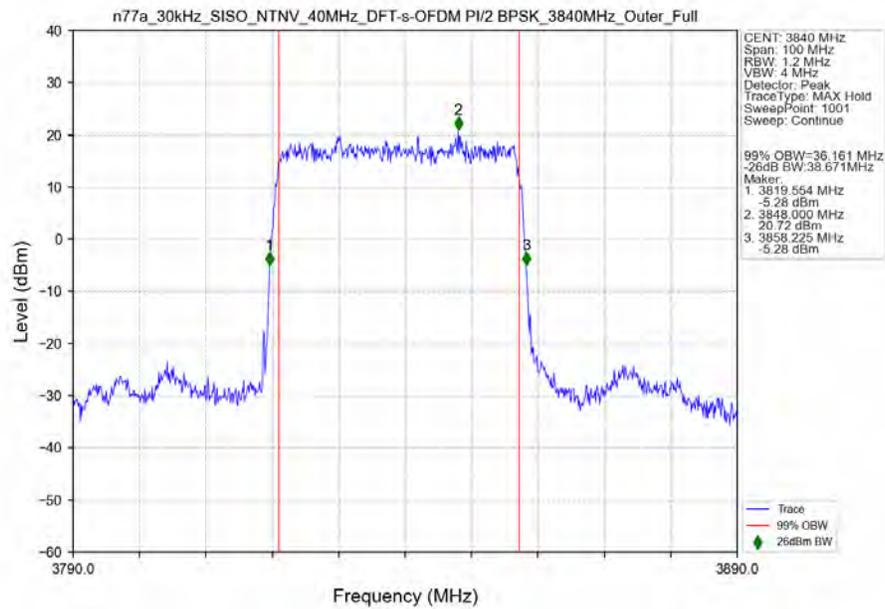


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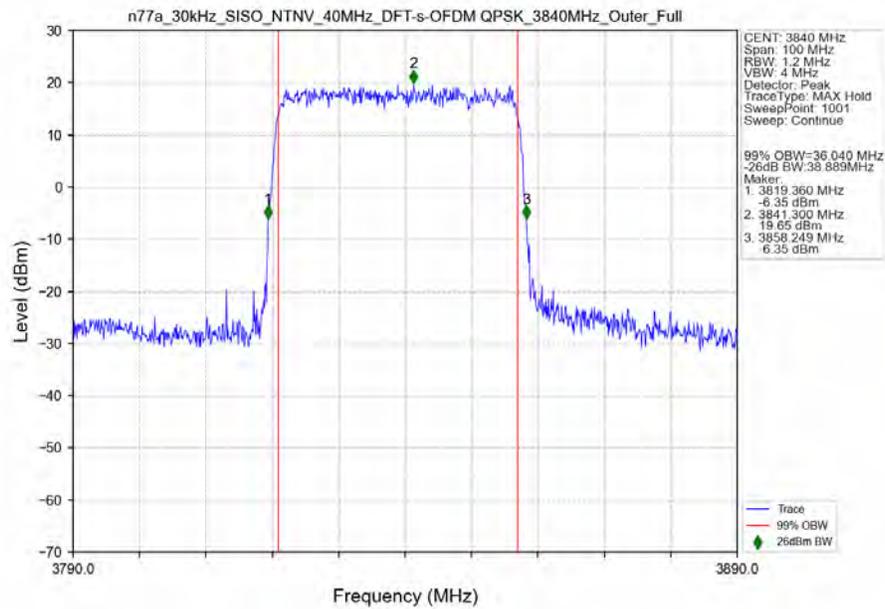


### 3.2.4 30k\_SISO\_40MHz\_NTNV

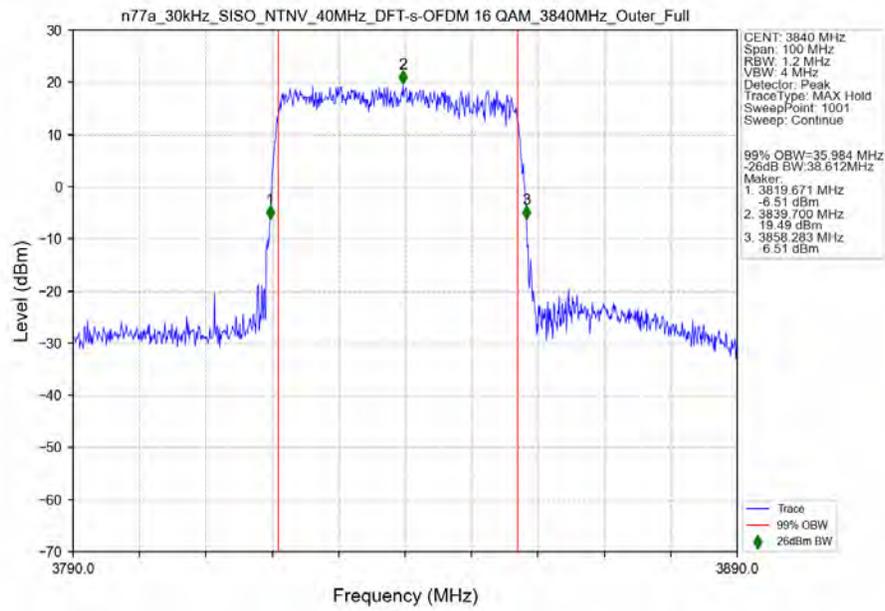
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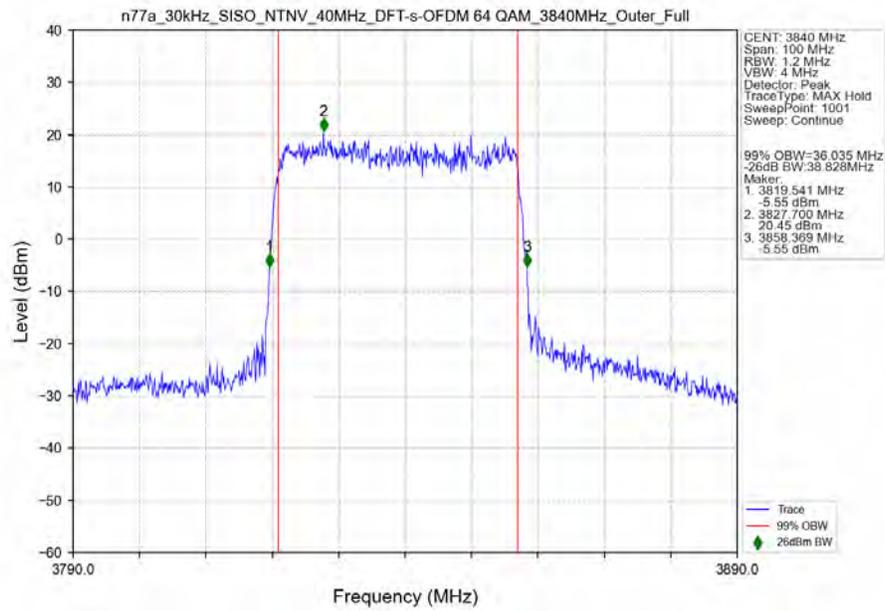
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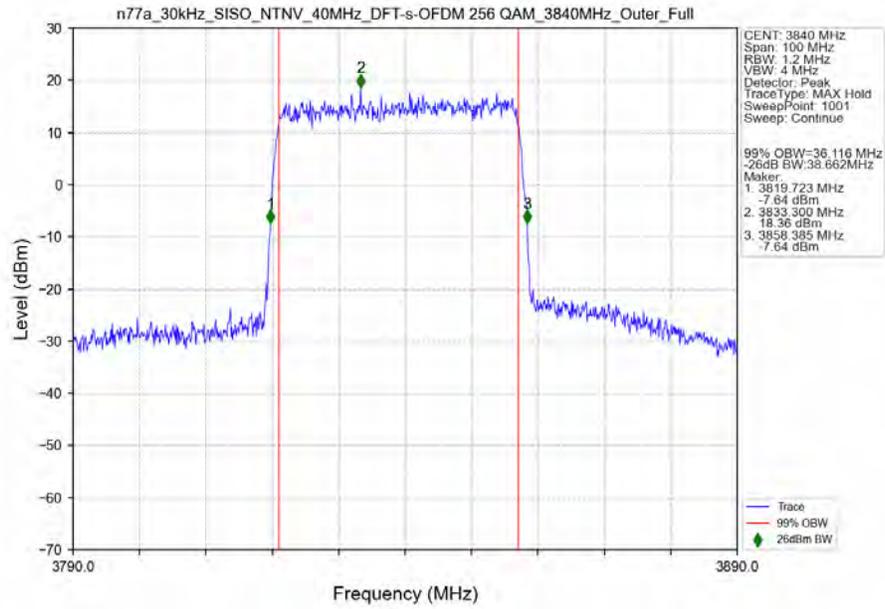
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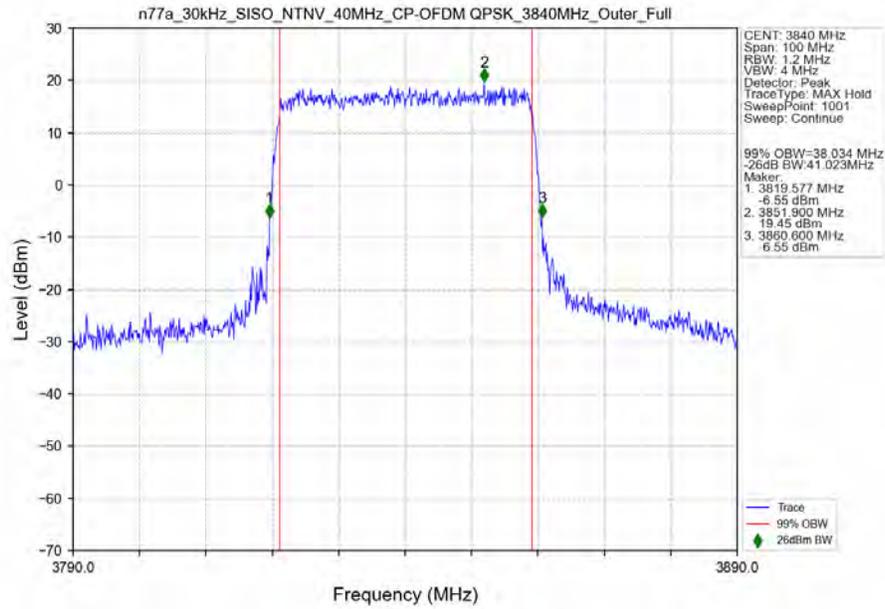
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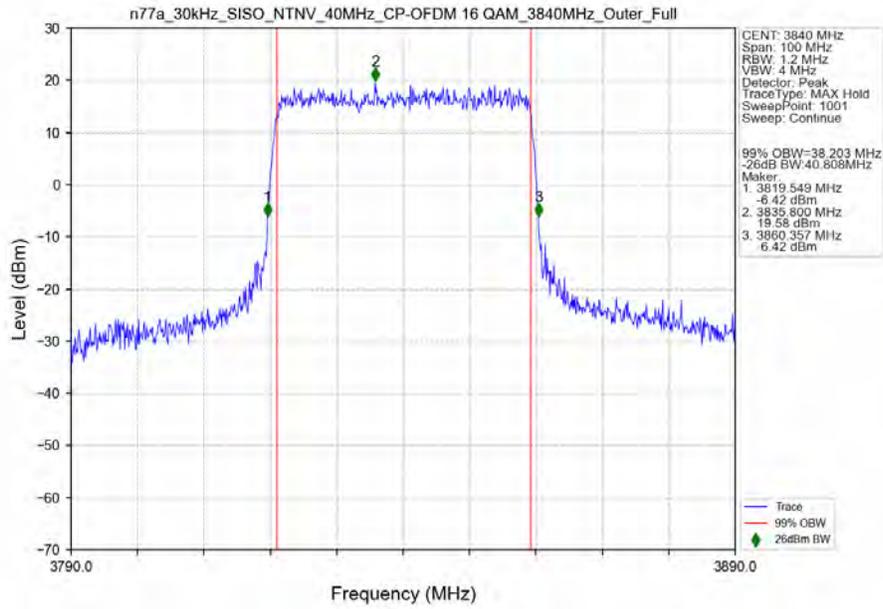
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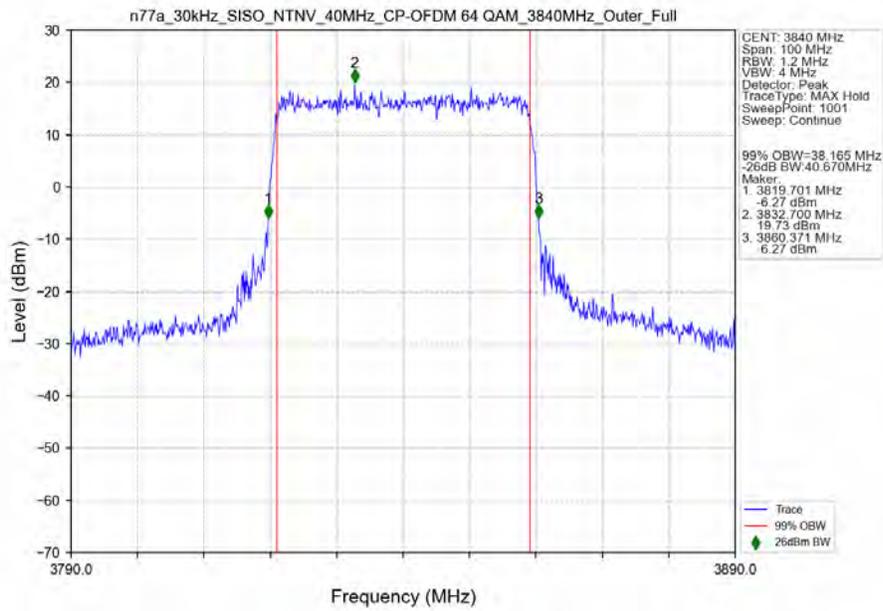
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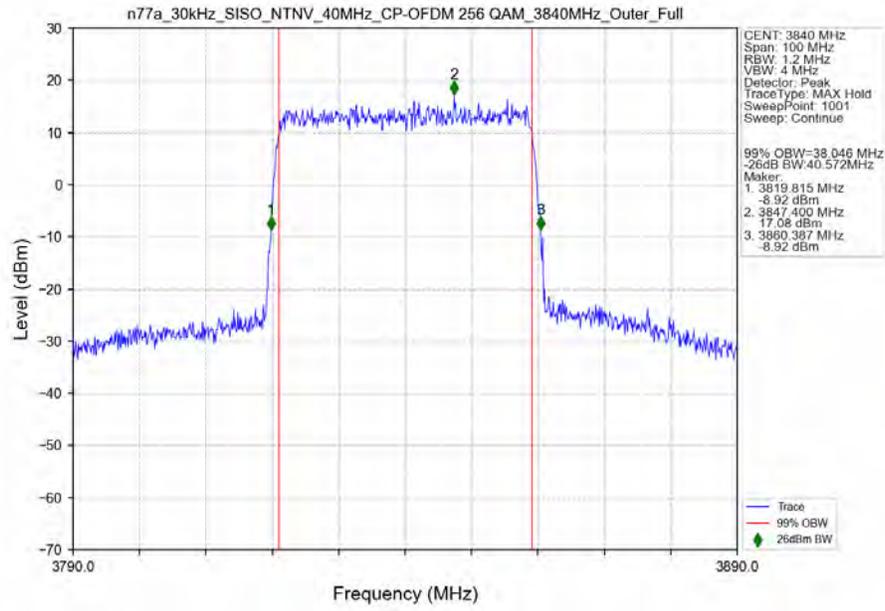
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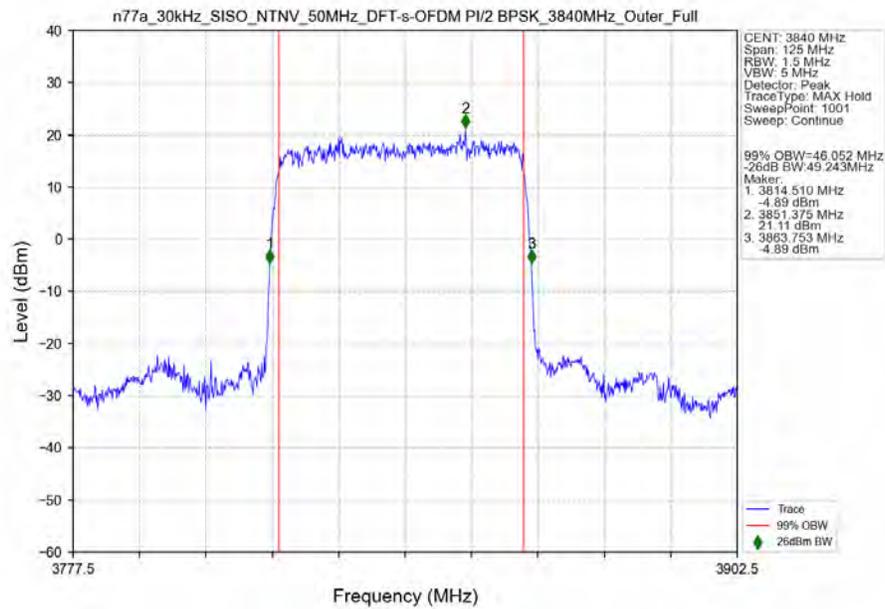


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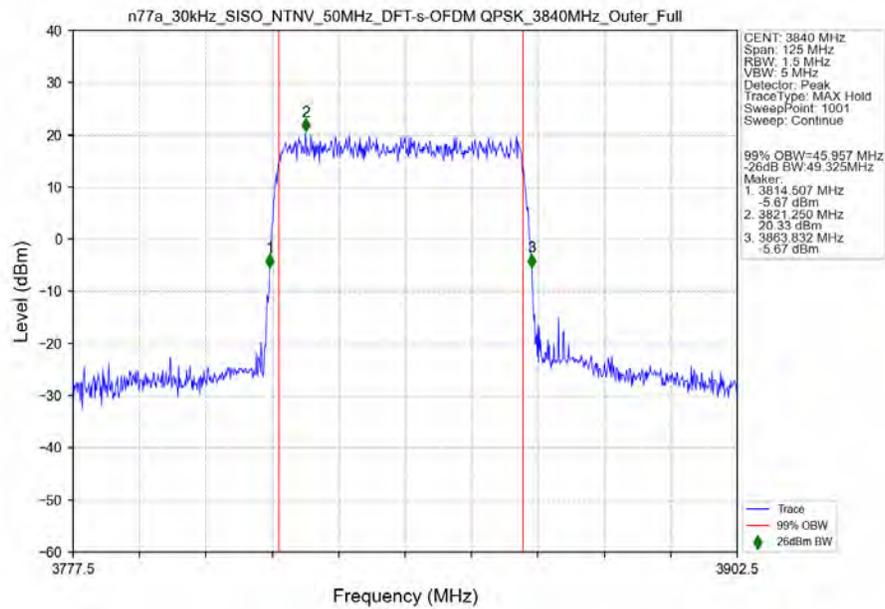


### 3.2.5 30k\_SISO\_50MHz\_NTNV

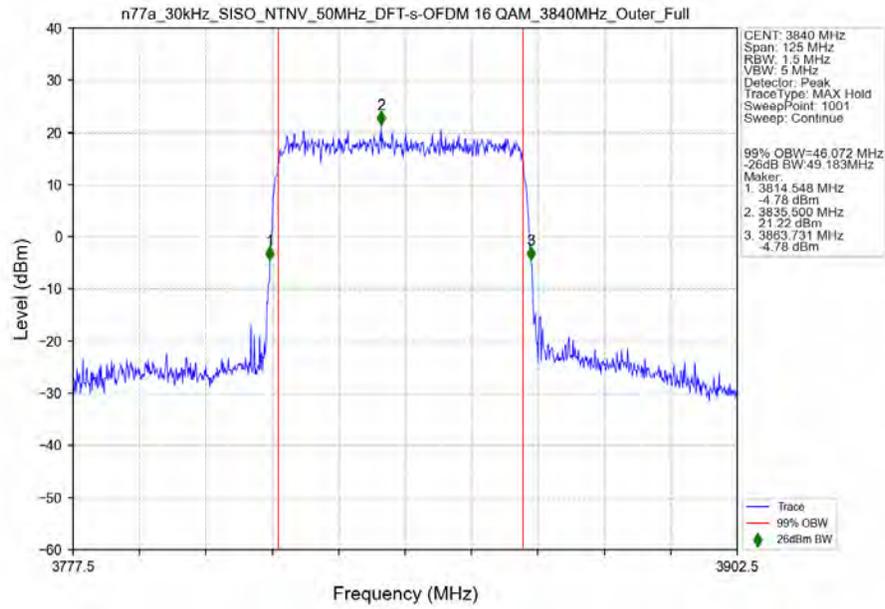
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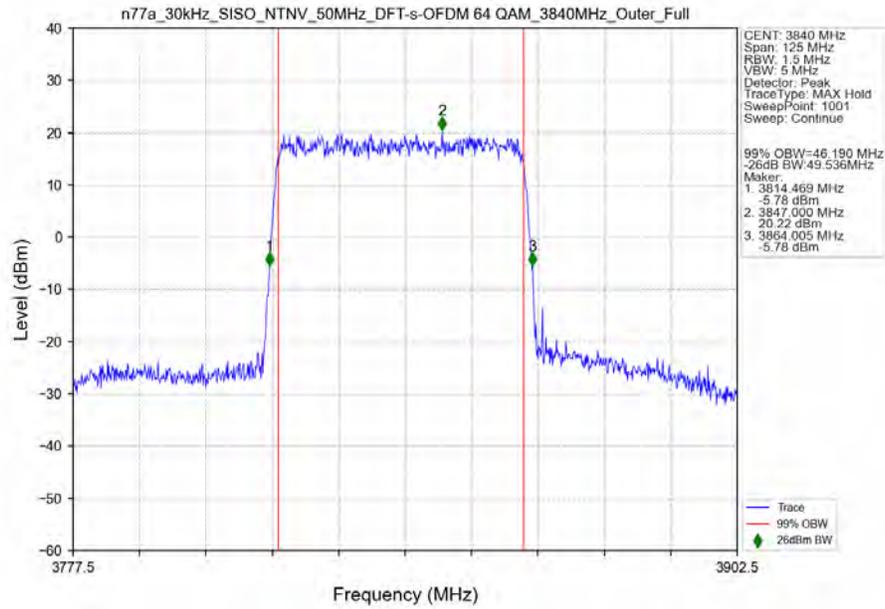
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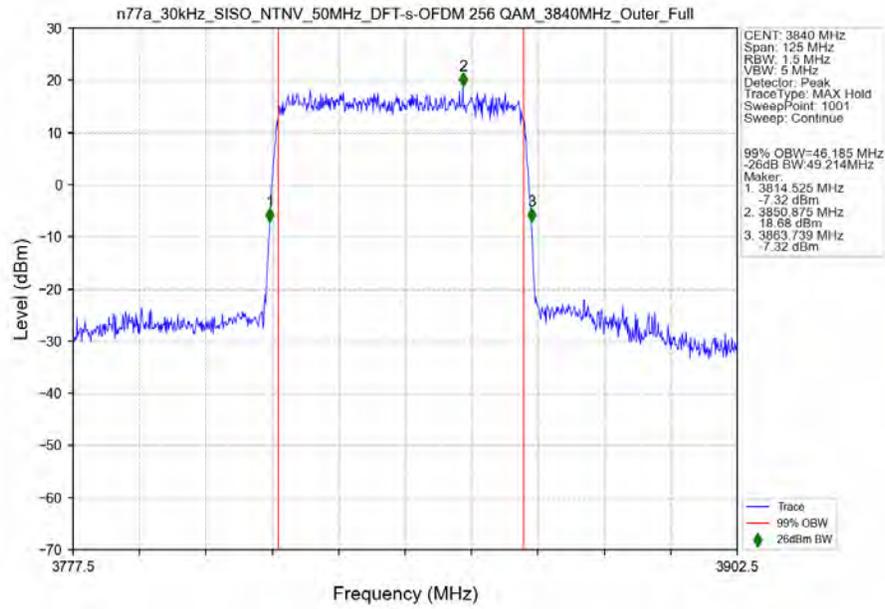
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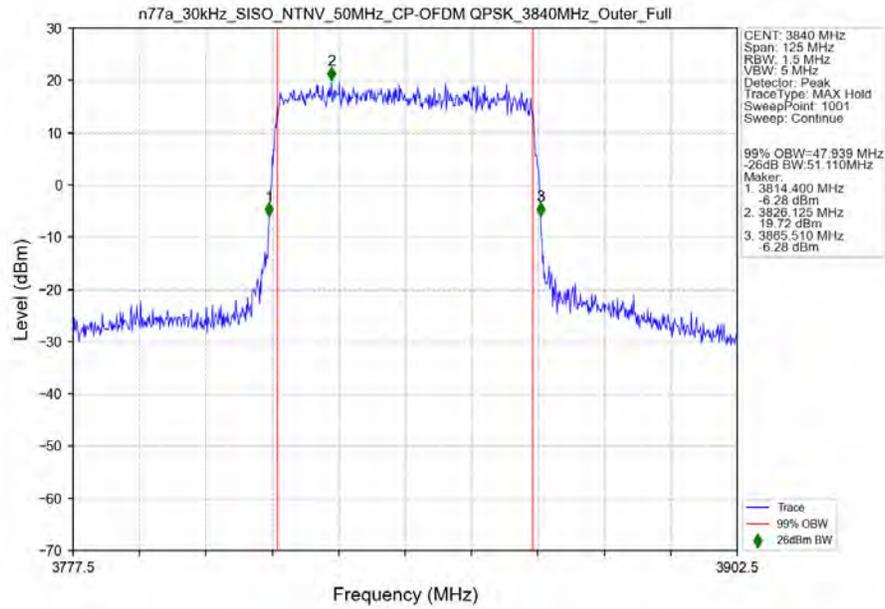
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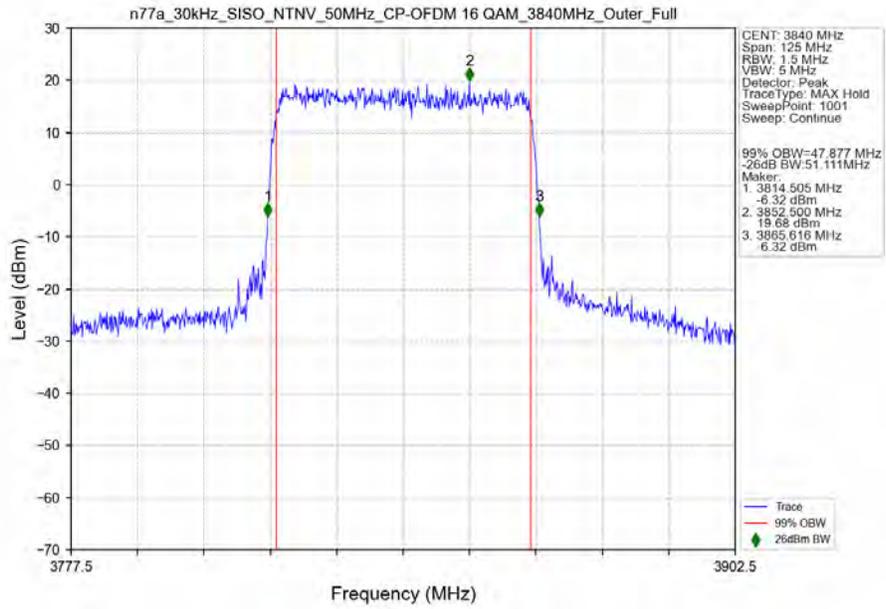
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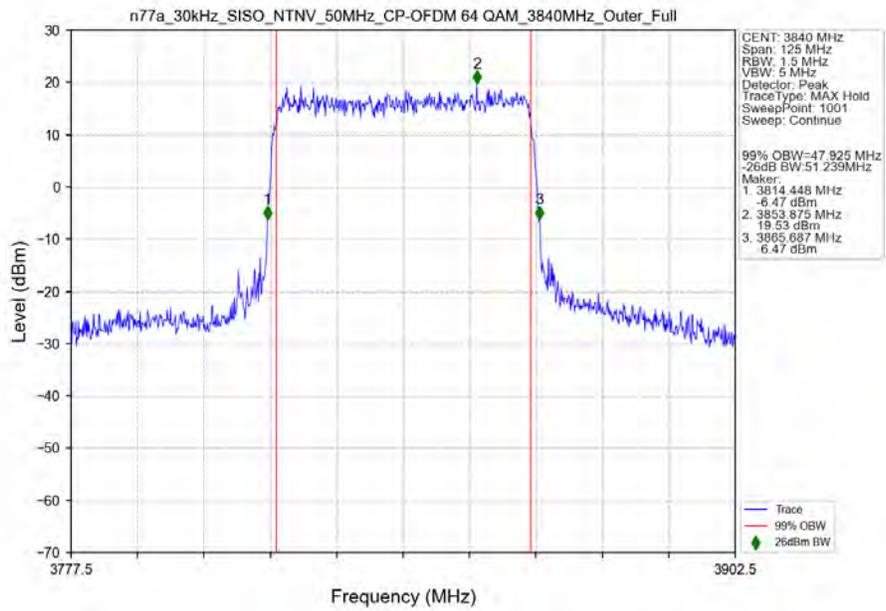
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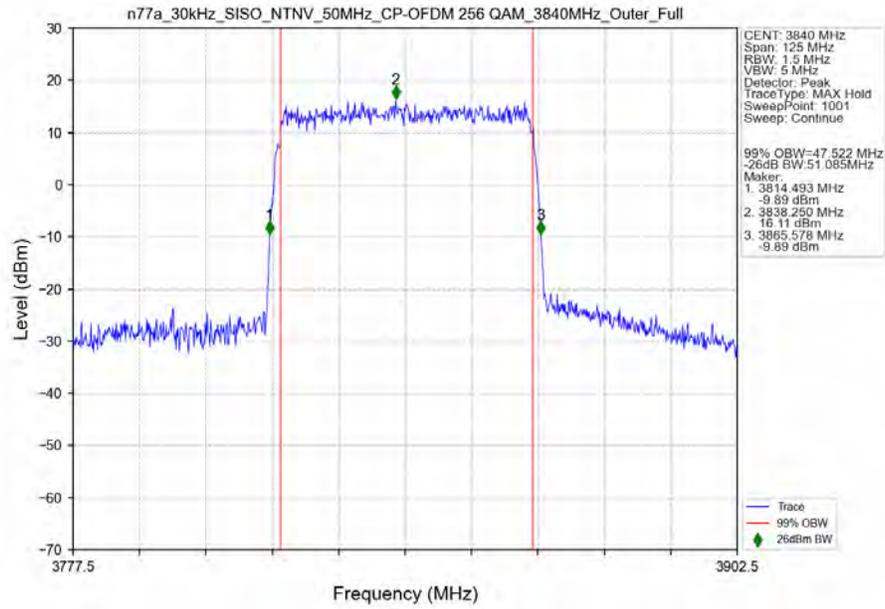
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n77a\_30kHz\_SISO\_NTNV\_50MHz\_CP-OFDM 64 QAM\_3840MHz\_Outer\_Full\_Ant1

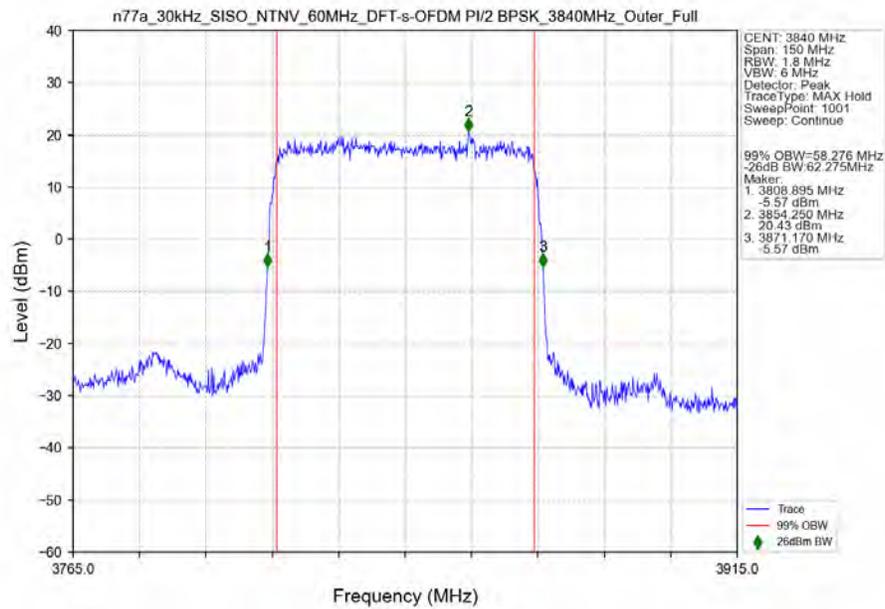


n77a\_30kHz\_SISO\_NTNV\_50MHz\_CP-OFDM\_256\_QAM\_3840MHz\_Outer\_Full\_Ant1

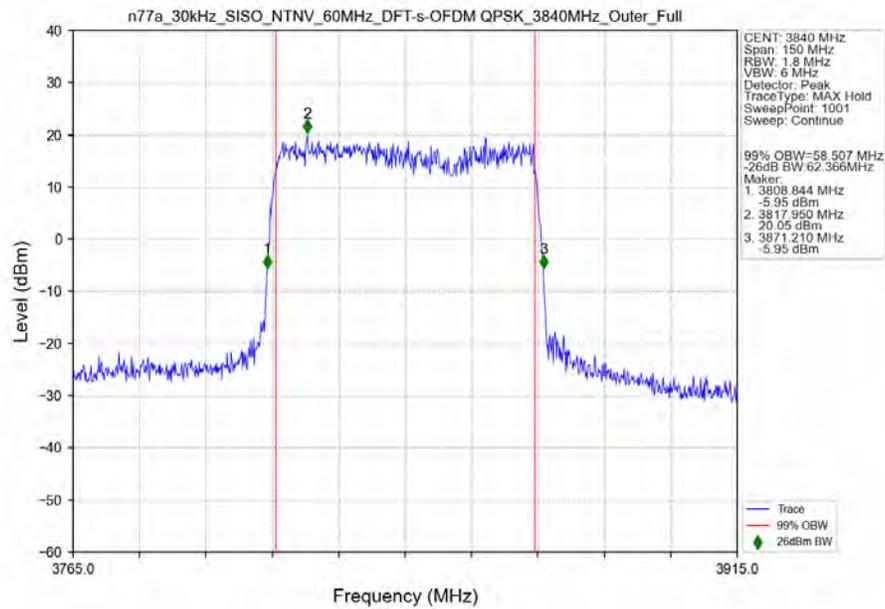


### 3.2.6 30k\_SISO\_60MHz\_NTNV

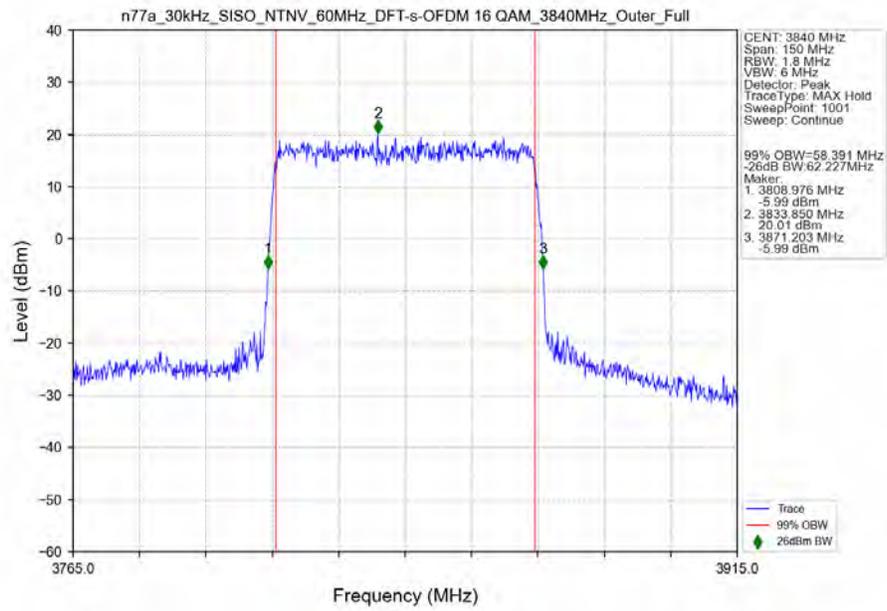
n77a\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM PI/2 BPSK\_3840MHz\_Outer\_Full\_Ant1



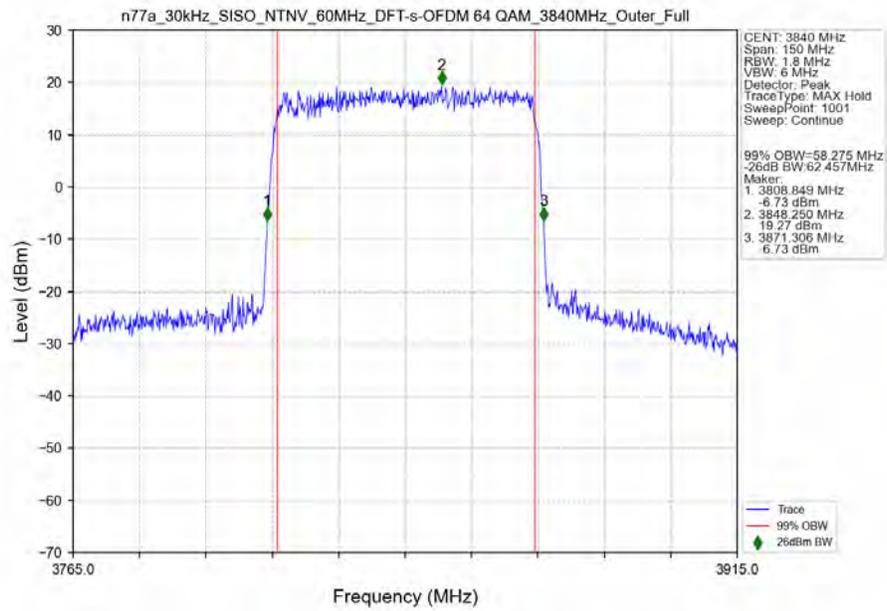
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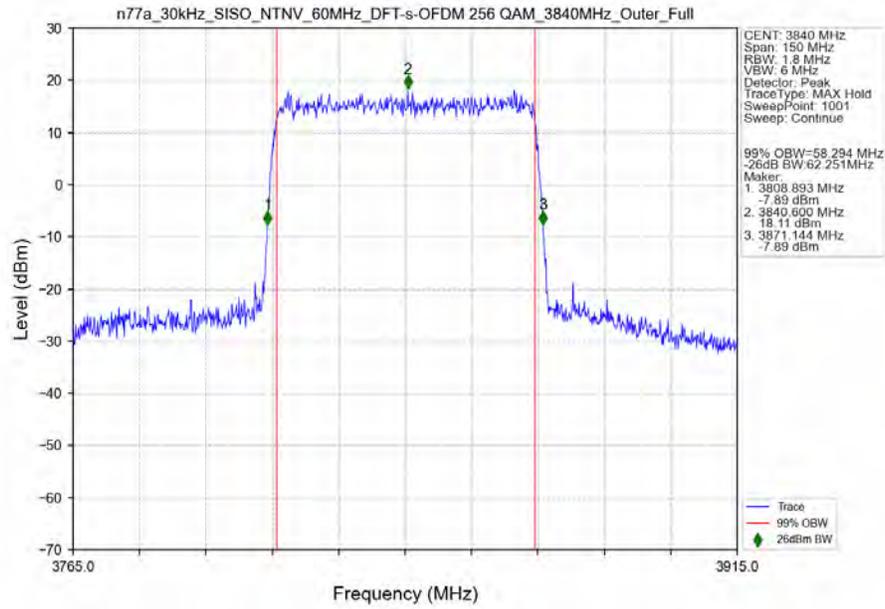
n77a\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM 16 QAM\_3840MHz\_Outer\_Full\_Ant1



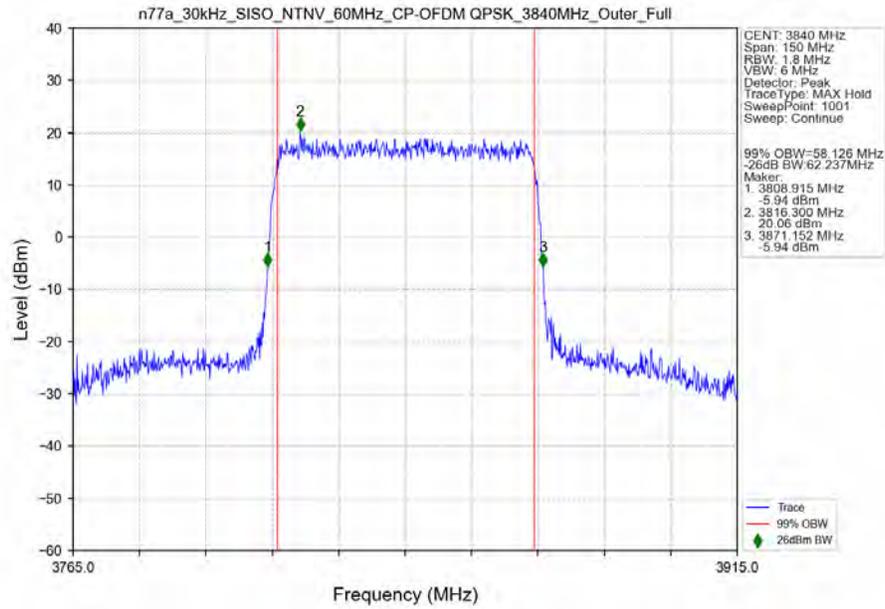
n77a\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM 64 QAM\_3840MHz\_Outer\_Full\_Ant1



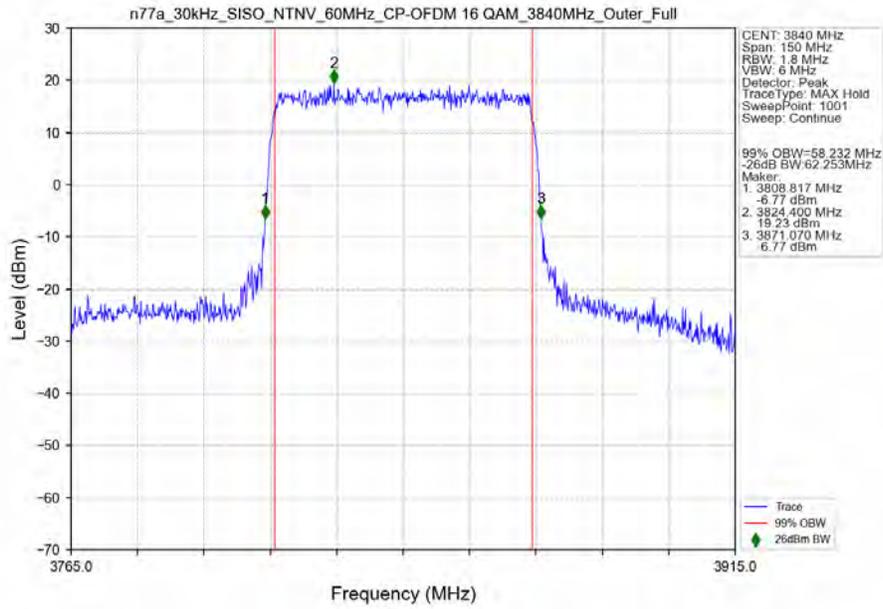
n77a\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM 256 QAM\_3840MHz\_Outer\_Full\_Ant1



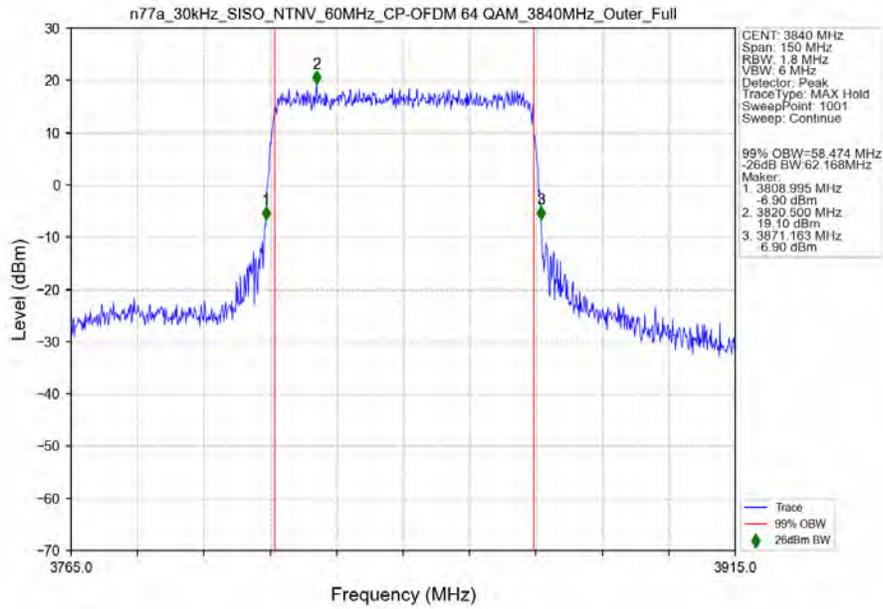
n77a\_30kHz\_SISO\_NTNV\_60MHz\_CP-OFDM QPSK\_3840MHz\_Outer\_Full\_Ant1



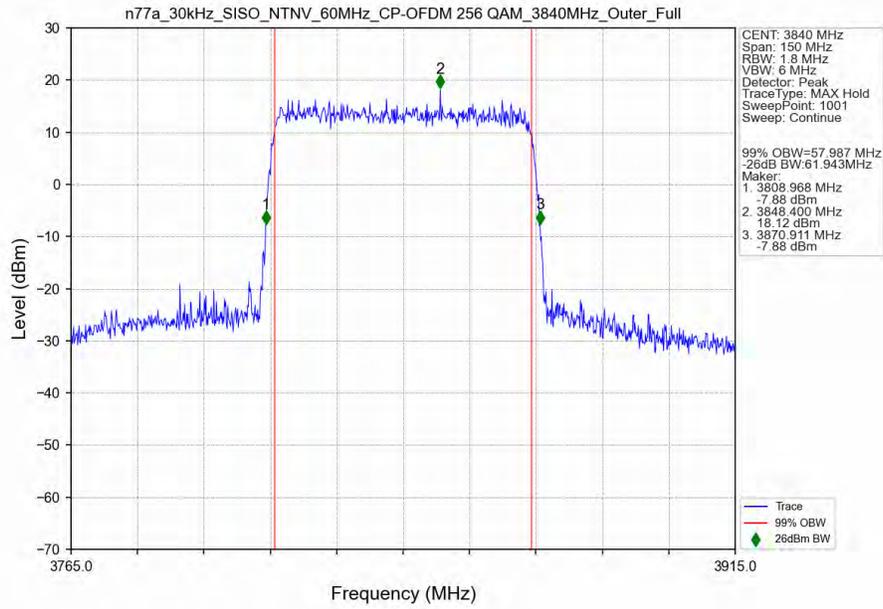
n77a\_30kHz\_SISO\_NTNV\_60MHz\_CP-OFDM 16 QAM\_3840MHz\_Outer\_Full\_Ant1



n77a\_30kHz\_SISO\_NTNV\_60MHz\_CP-OFDM 64 QAM\_3840MHz\_Outer\_Full\_Ant1

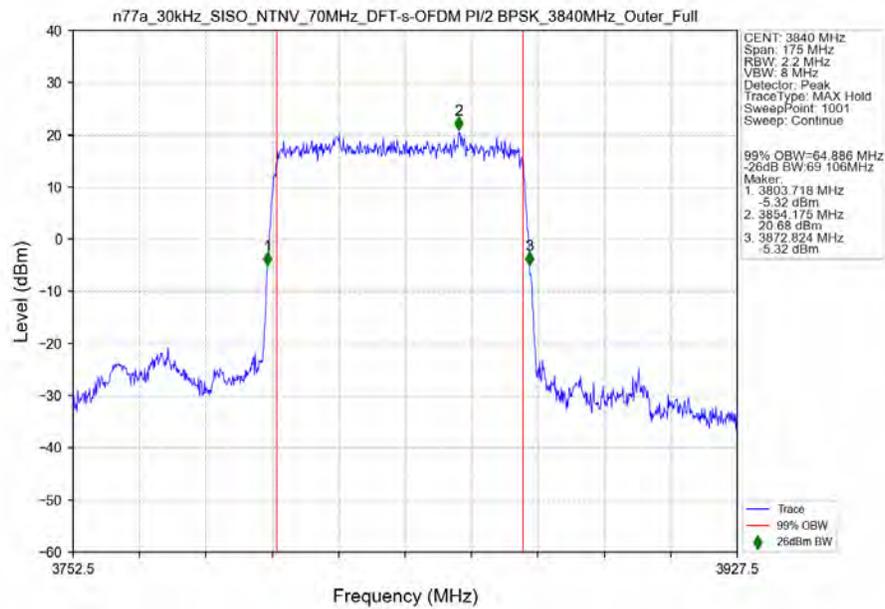


n77a\_30kHz\_SISO\_NTNV\_60MHz\_CP-OFDM\_256\_QAM\_3840MHz\_Outer\_Full\_Ant1

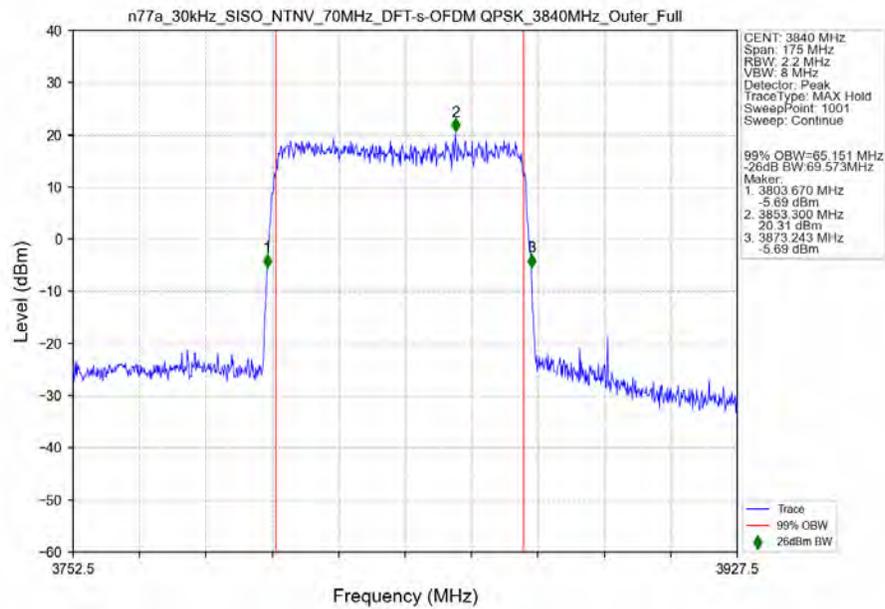


### 3.2.7 30k\_SISO\_70MHz\_NTNV

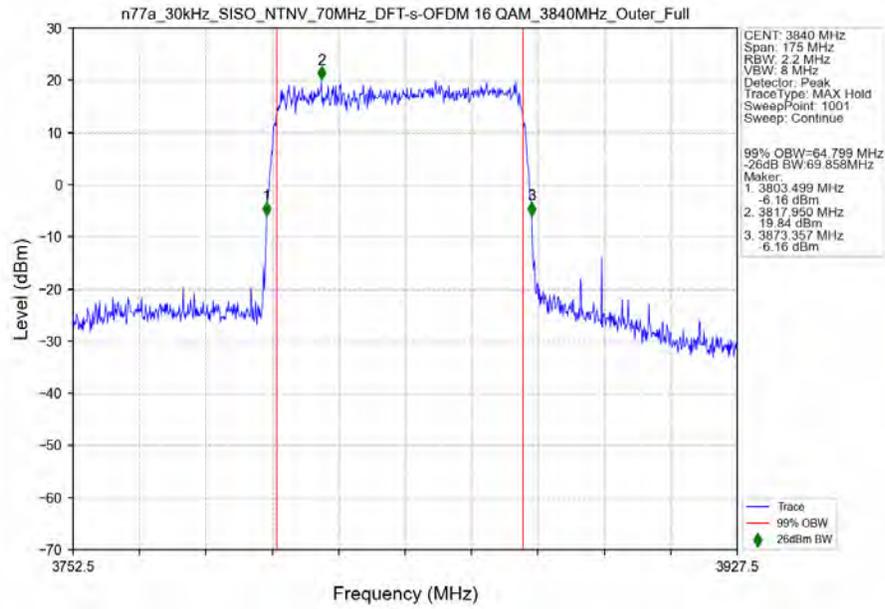
n77a\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM PI/2 BPSK\_3840MHz\_Outer\_Full\_Ant1



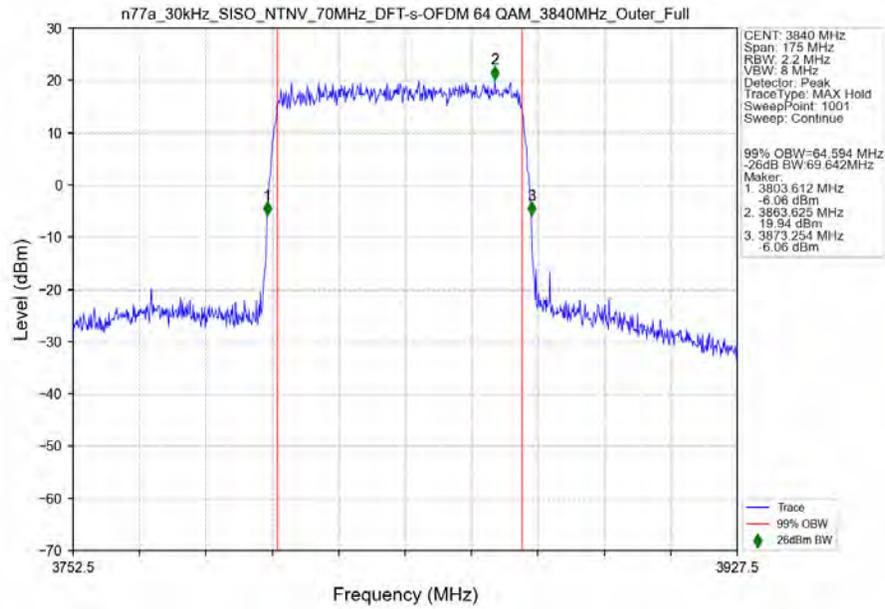
n77a\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM QPSK\_3840MHz\_Outer\_Full\_Ant1



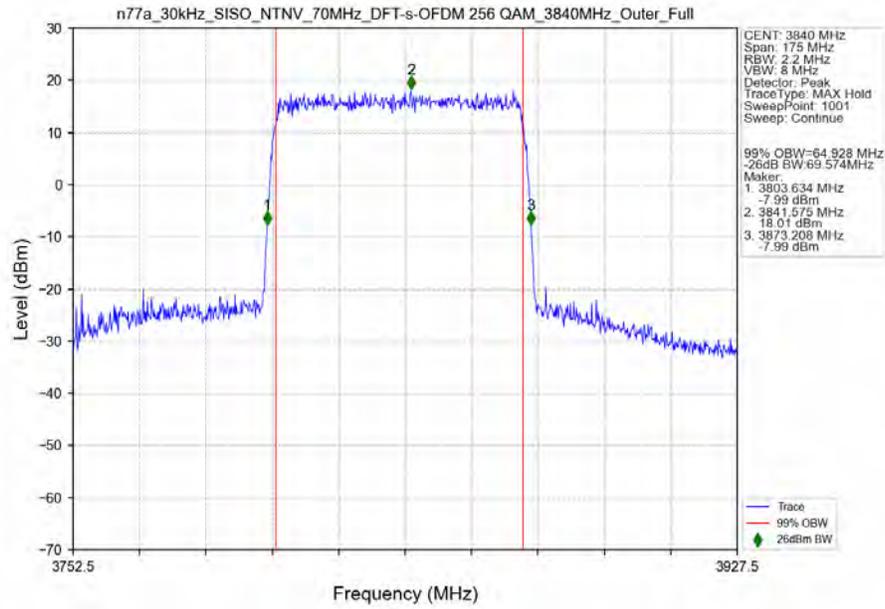
n77a\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM 16 QAM\_3840MHz\_Outer\_Full\_Ant1



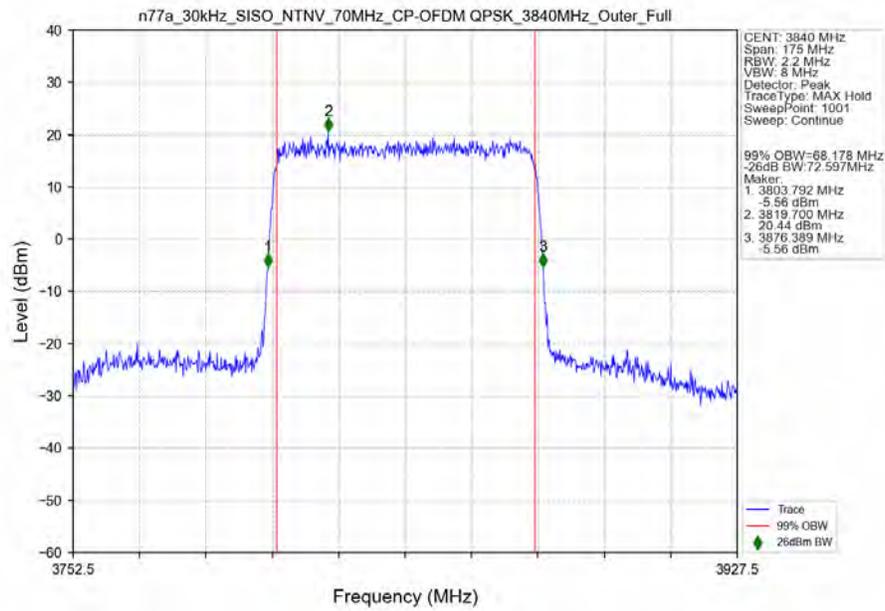
n77a\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM 64 QAM\_3840MHz\_Outer\_Full\_Ant1



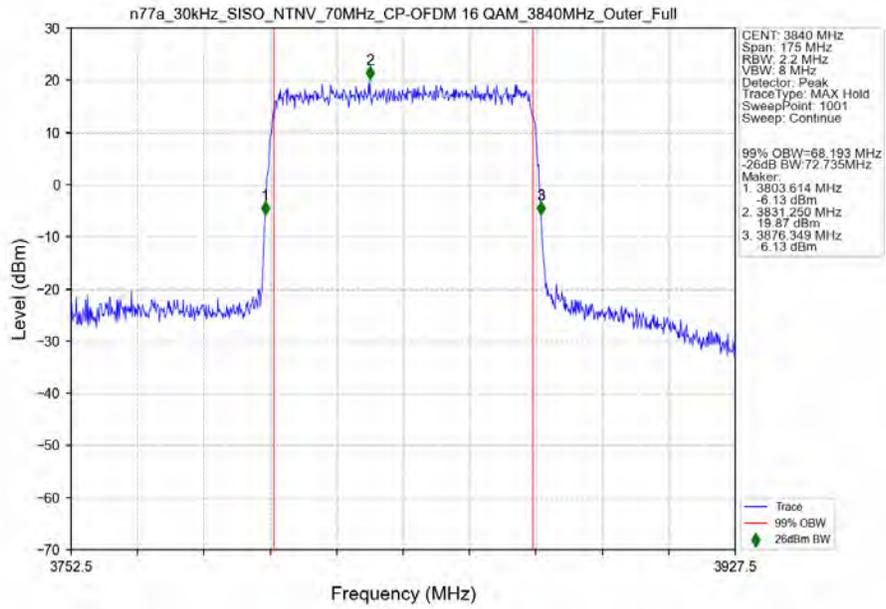
n77a\_30kHz\_SISO\_NTNV\_70MHz\_DFT-s-OFDM 256 QAM\_3840MHz\_Outer\_Full\_Ant1



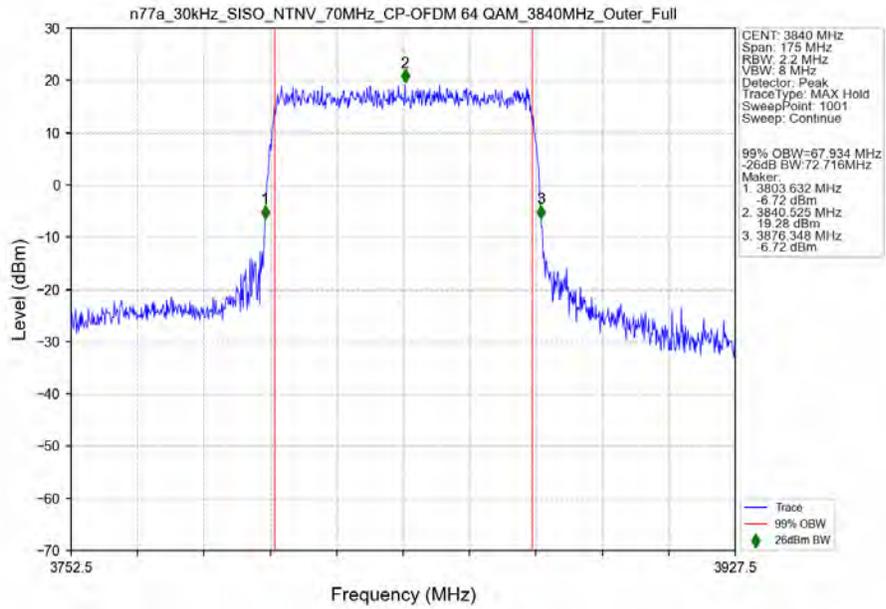
n77a\_30kHz\_SISO\_NTNV\_70MHz\_CP-OFDM QPSK\_3840MHz\_Outer\_Full\_Ant1



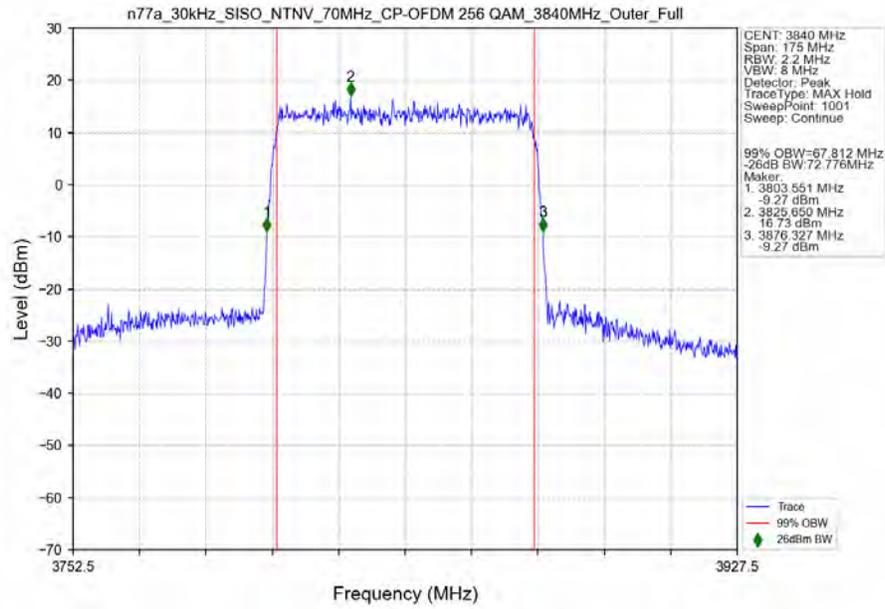
n77a\_30kHz\_SISO\_NTNV\_70MHz\_CP-OFDM 16 QAM\_3840MHz\_Outer\_Full\_Ant1



n77a\_30kHz\_SISO\_NTNV\_70MHz\_CP-OFDM 64 QAM\_3840MHz\_Outer\_Full\_Ant1

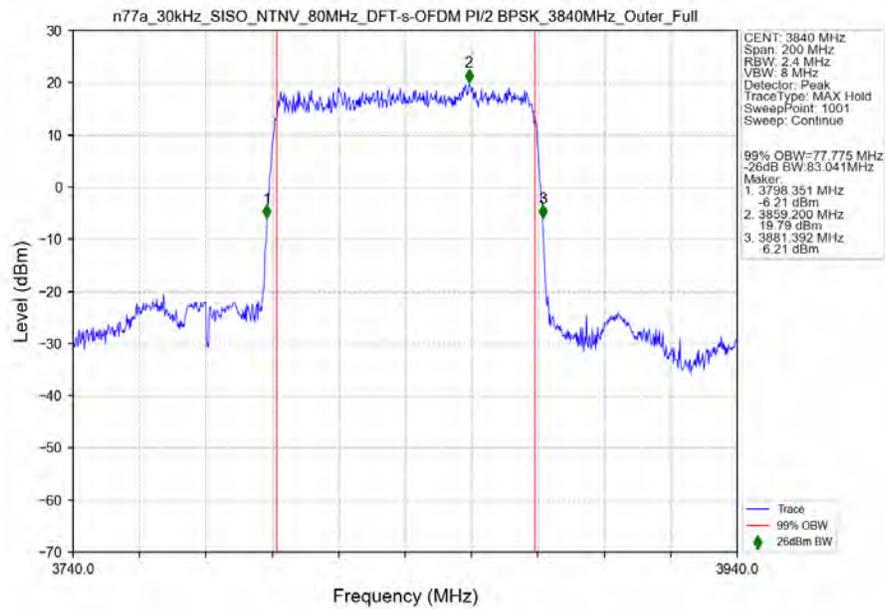


n77a\_30kHz\_SISO\_NTNV\_70MHz\_CP-OFDM 256 QAM 3840MHz\_Outer\_Full\_Ant1

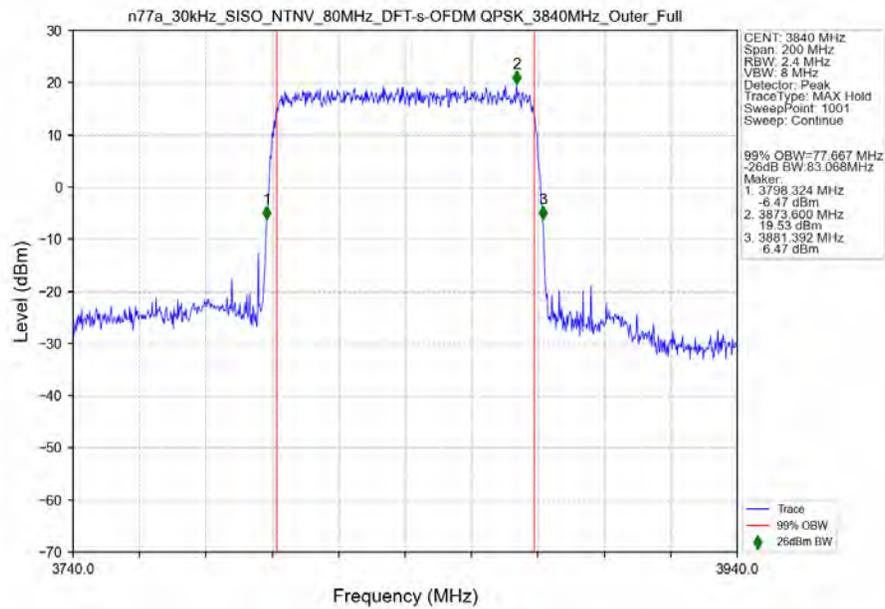


### 3.2.8 30k\_SISO\_80MHz\_NTNV

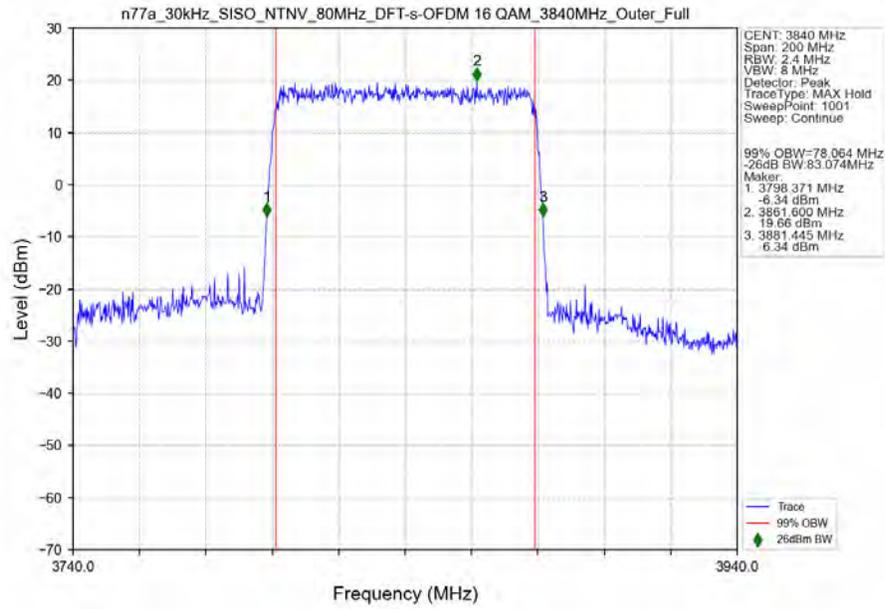
n77a\_30kHz\_SISO\_NTNV\_80MHz\_DFT-s-OFDM PI/2 BPSK\_3840MHz\_Outer\_Full\_Ant1



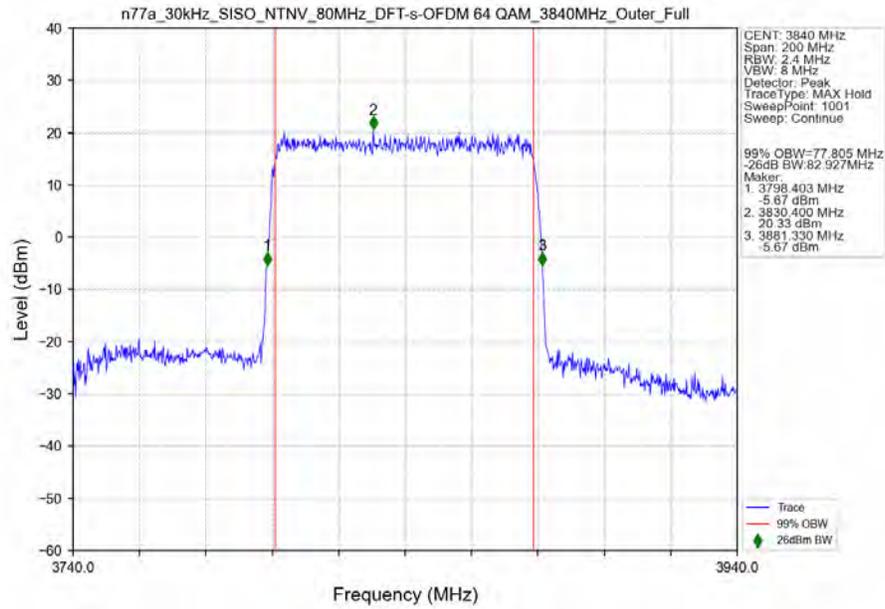
n77a\_30kHz\_SISO\_NTNV\_80MHz\_DFT-s-OFDM QPSK\_3840MHz\_Outer\_Full\_Ant1



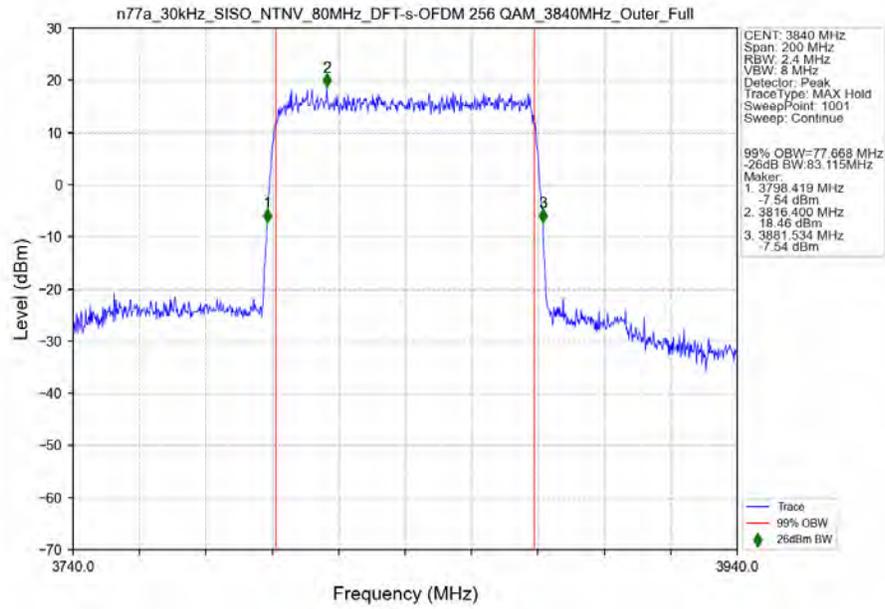
n77a\_30kHz\_SISO\_NTNV\_80MHz\_DFT-s-OFDM 16 QAM\_3840MHz\_Outer\_Full\_Ant1



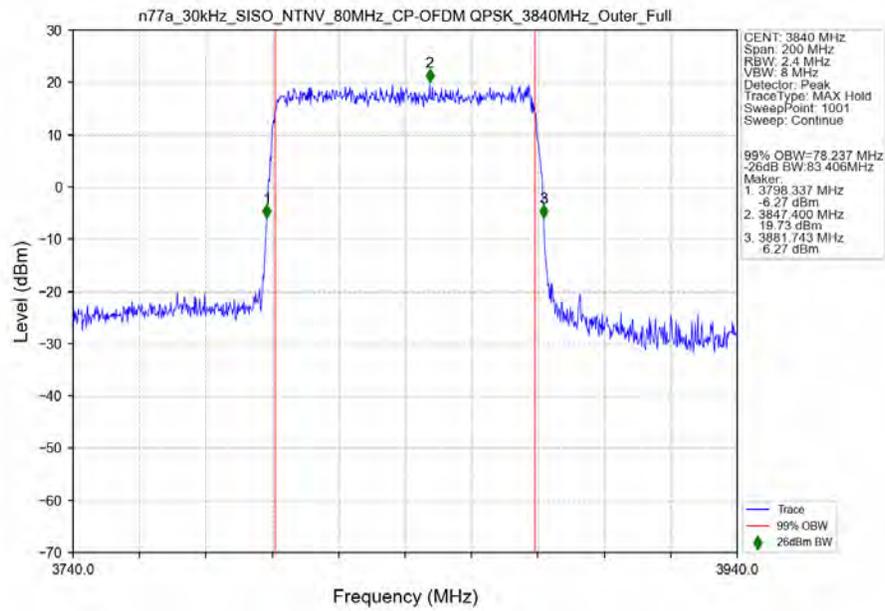
n77a\_30kHz\_SISO\_NTNV\_80MHz\_DFT-s-OFDM 64 QAM\_3840MHz\_Outer\_Full\_Ant1



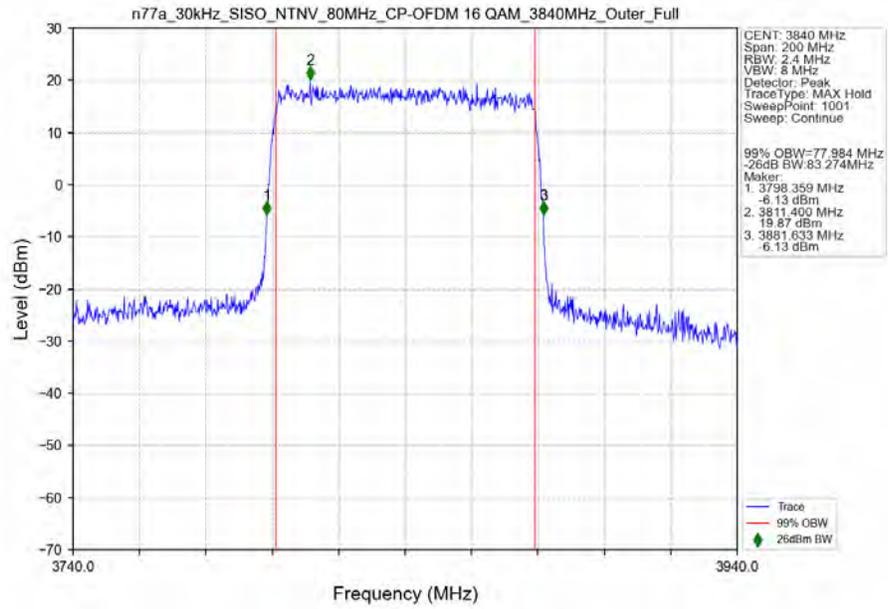
n77a\_30kHz\_SISO\_NTNV\_80MHz\_DFT-s-OFDM 256 QAM\_3840MHz\_Outer\_Full\_Ant1



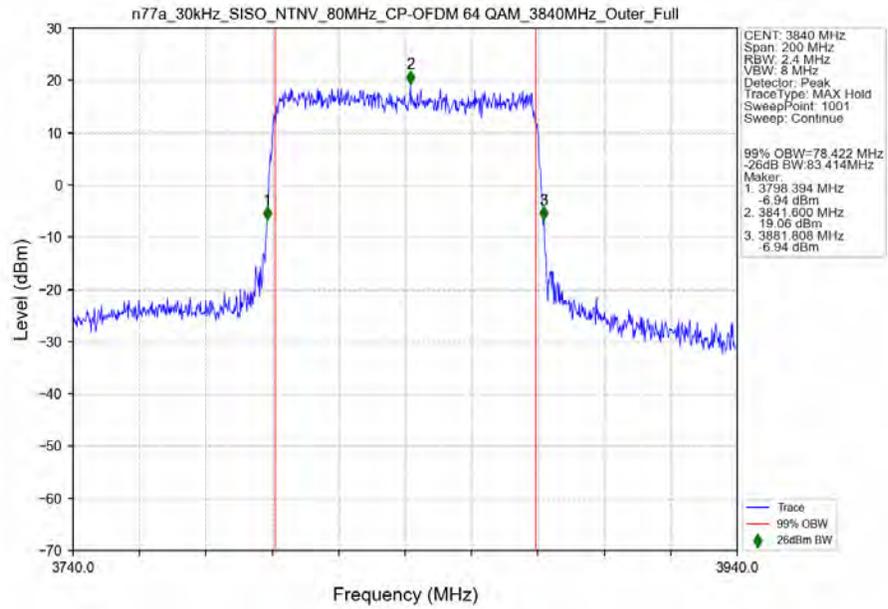
n77a\_30kHz\_SISO\_NTNV\_80MHz\_CP-OFDM QPSK\_3840MHz\_Outer\_Full\_Ant1



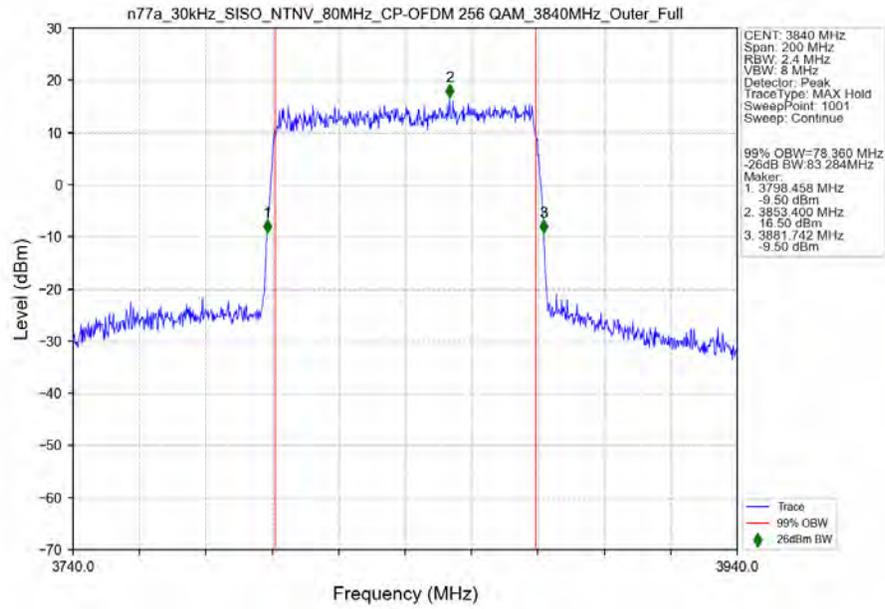
n77a\_30kHz\_SISO\_NTNV\_80MHz\_CP-OFDM 16 QAM\_3840MHz\_Outer\_Full\_Ant1



n77a\_30kHz\_SISO\_NTNV\_80MHz\_CP-OFDM 64 QAM\_3840MHz\_Outer\_Full\_Ant1

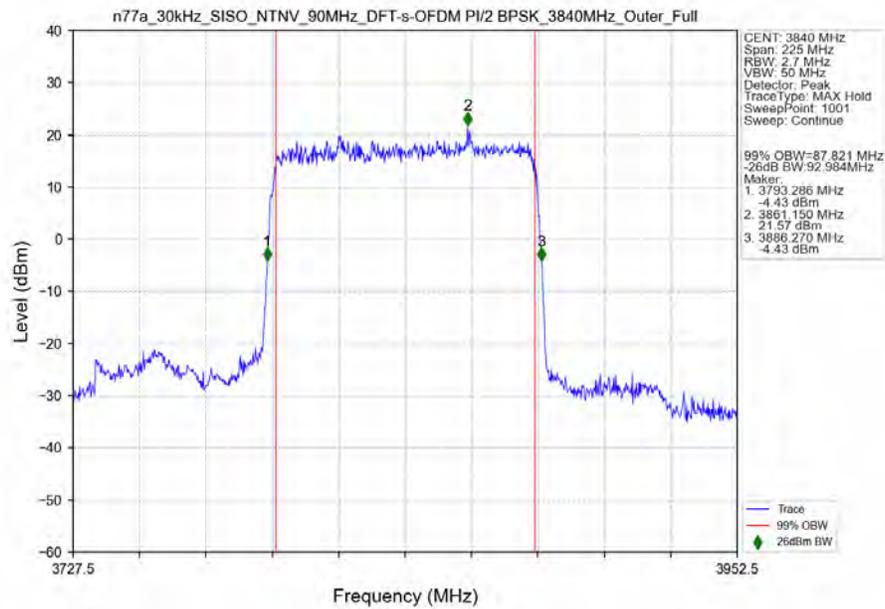


n77a\_30kHz\_SISO\_NTNV\_80MHz\_CP-OFDM\_256\_QAM\_3840MHz\_Outer\_Full\_Ant1

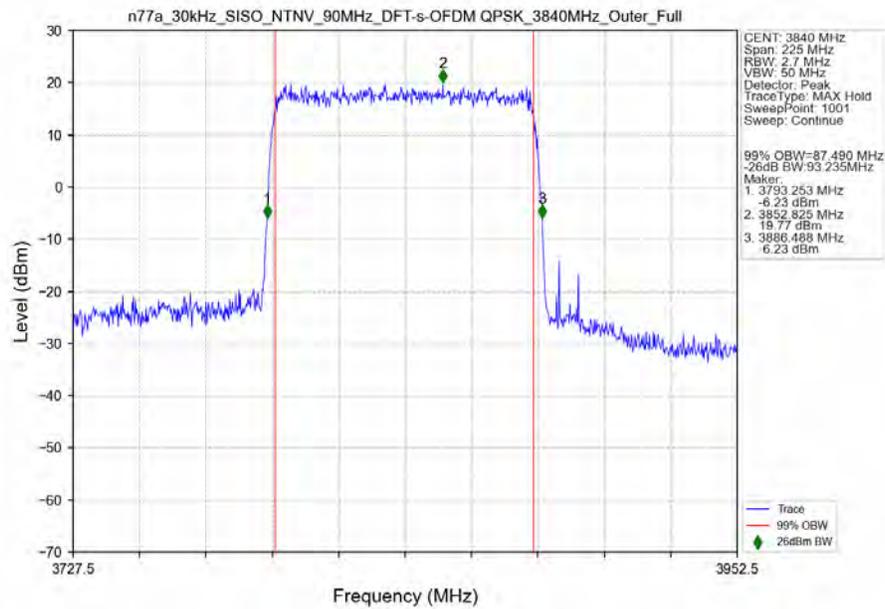


### 3.2.9 30k\_SISO\_90MHz\_NTNV

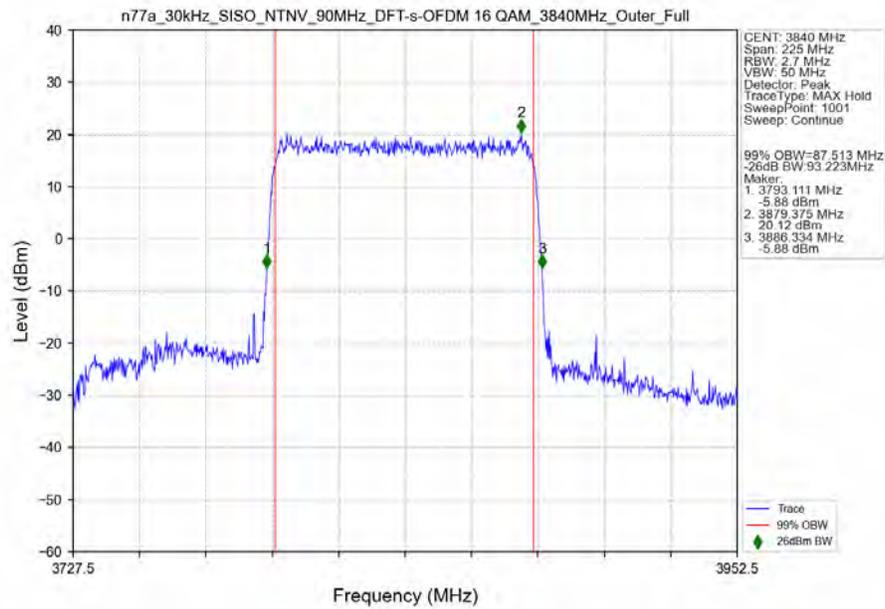
n77a\_30kHz\_SISO\_NTNV\_90MHz\_DFT-s-OFDM PI/2 BPSK\_3840MHz\_Outer\_Full\_Ant1



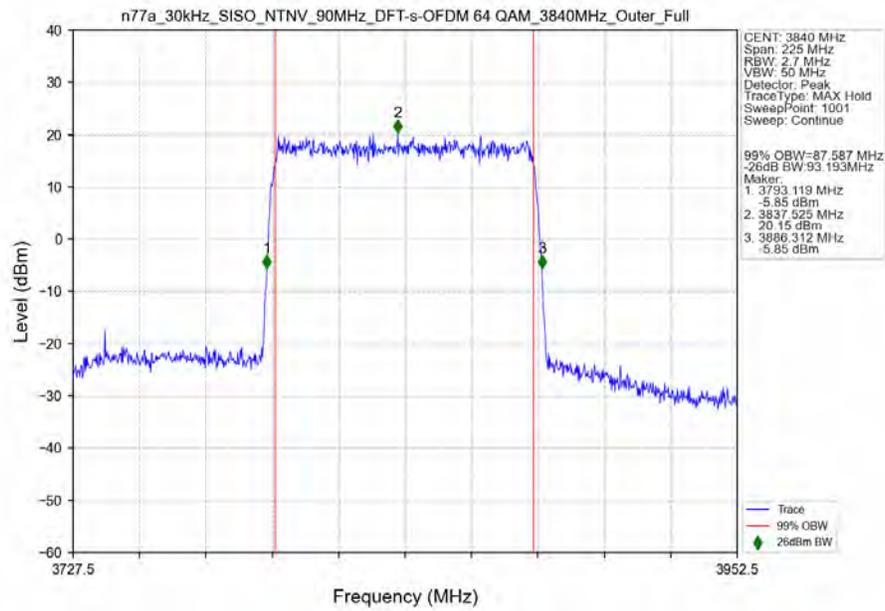
n77a\_30kHz\_SISO\_NTNV\_90MHz\_DFT-s-OFDM QPSK\_3840MHz\_Outer\_Full\_Ant1



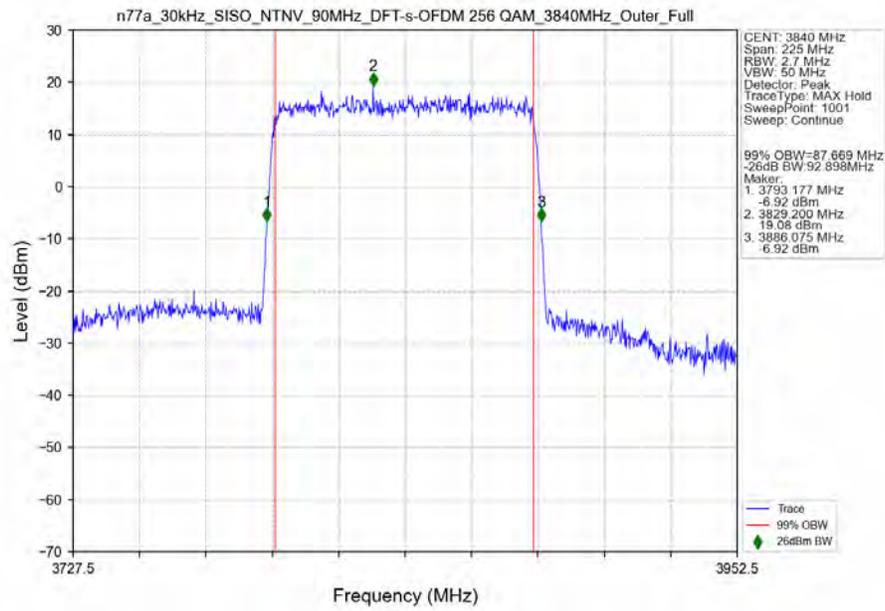
n77a\_30kHz\_SISO\_NTNV\_90MHz\_DFT-s-OFDM 16 QAM\_3840MHz\_Outer\_Full\_Ant1



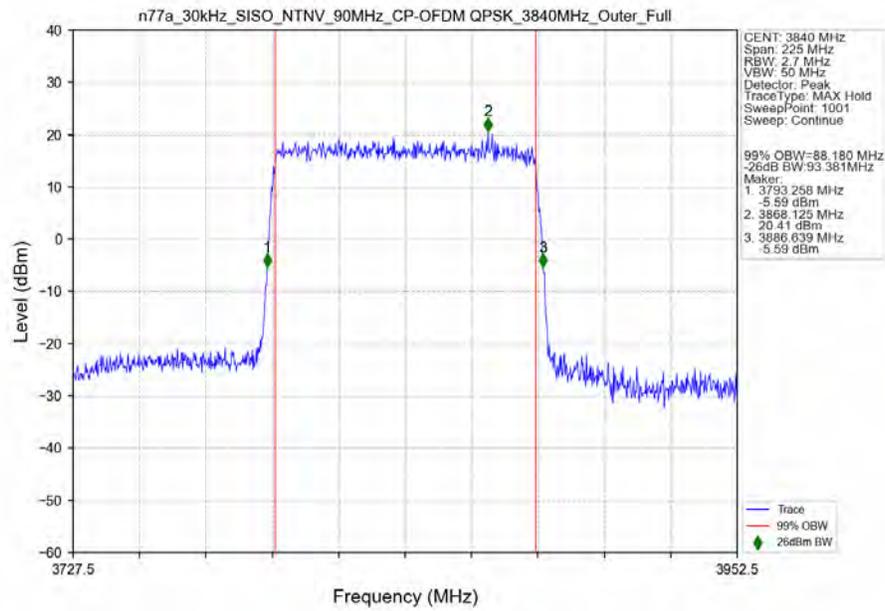
n77a\_30kHz\_SISO\_NTNV\_90MHz\_DFT-s-OFDM 64 QAM\_3840MHz\_Outer\_Full\_Ant1



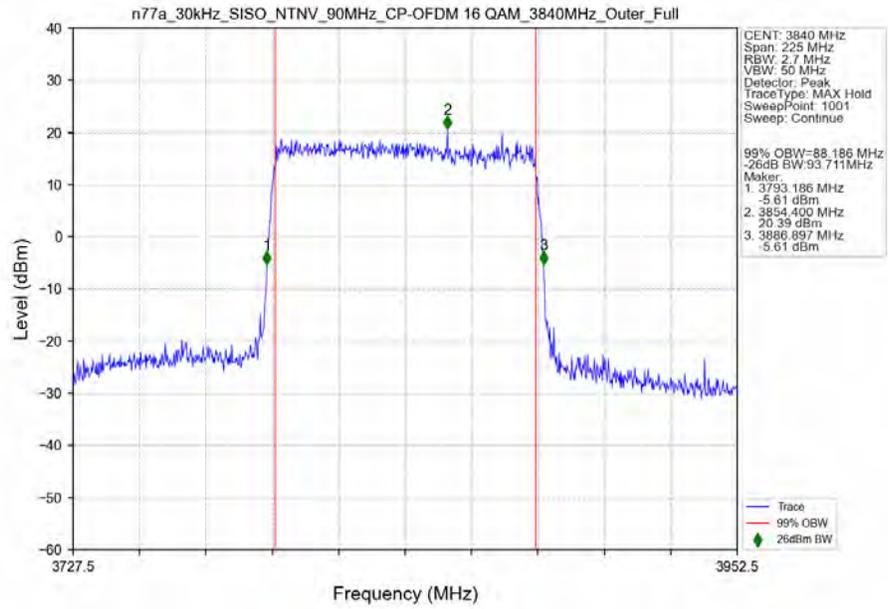
n77a\_30kHz\_SISO\_NTNV\_90MHz\_DFT-s-OFDM 256 QAM\_3840MHz\_Outer\_Full\_Ant1



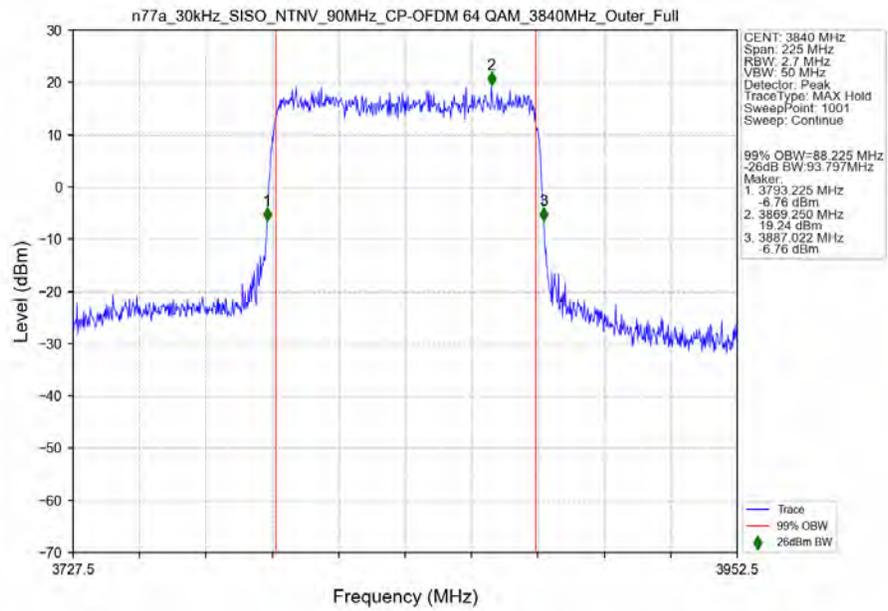
n77a\_30kHz\_SISO\_NTNV\_90MHz\_CP-OFDM QPSK\_3840MHz\_Outer\_Full\_Ant1



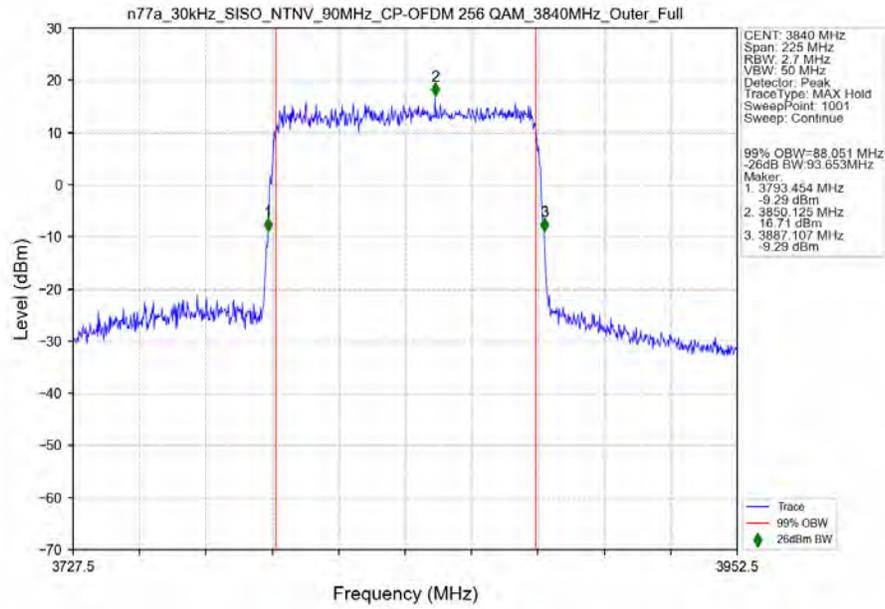
n77a\_30kHz\_SISO\_NTNV\_90MHz\_CP-OFDM 16 QAM\_3840MHz\_Outer\_Full\_Ant1



n77a\_30kHz\_SISO\_NTNV\_90MHz\_CP-OFDM 64 QAM\_3840MHz\_Outer\_Full\_Ant1

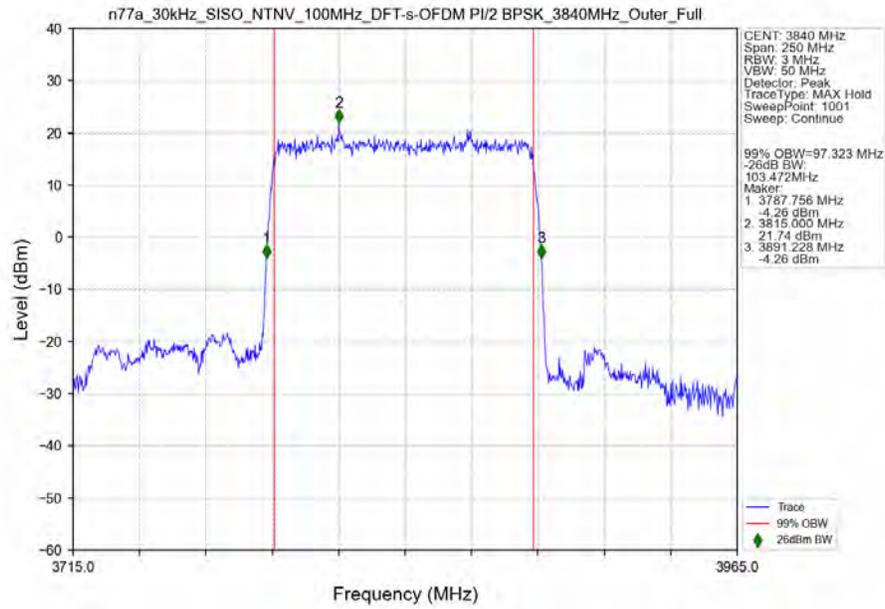


n77a\_30kHz\_SISO\_NTNV\_90MHz\_CP-OFDM 256 QAM 3840MHz\_Outer\_Full\_Ant1

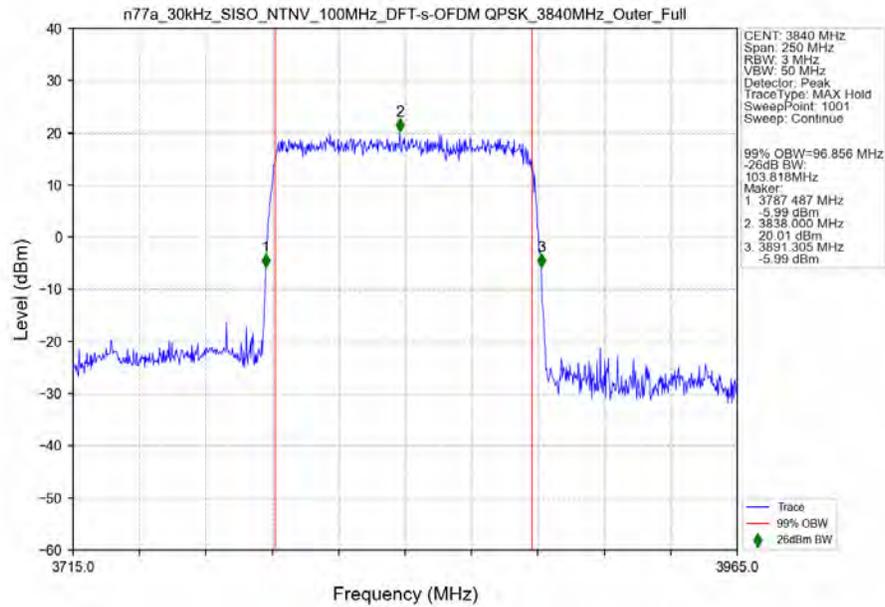


### 3.2.10 30k\_SISO\_100MHz\_NTNV

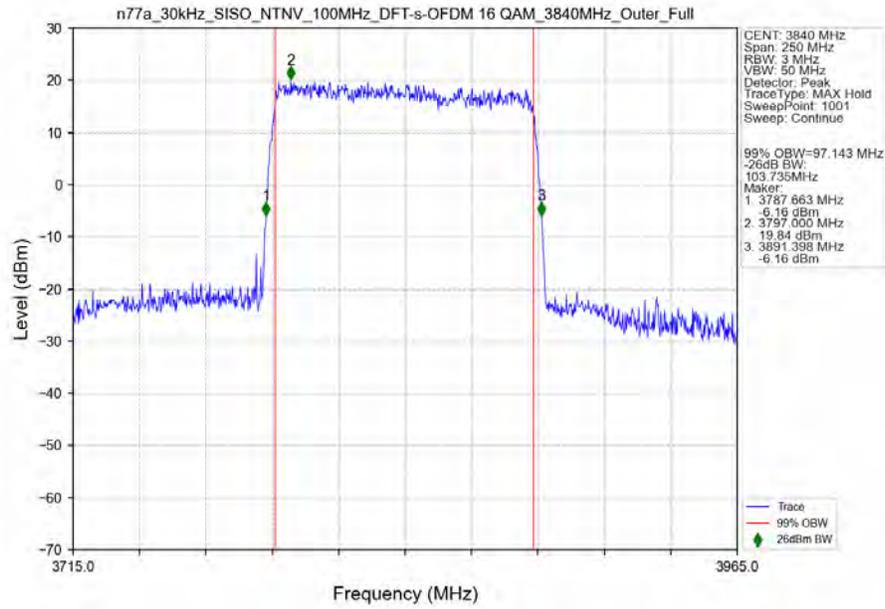
n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM PI/2 BPSK\_3840MHz\_Outer\_Full\_Ant1



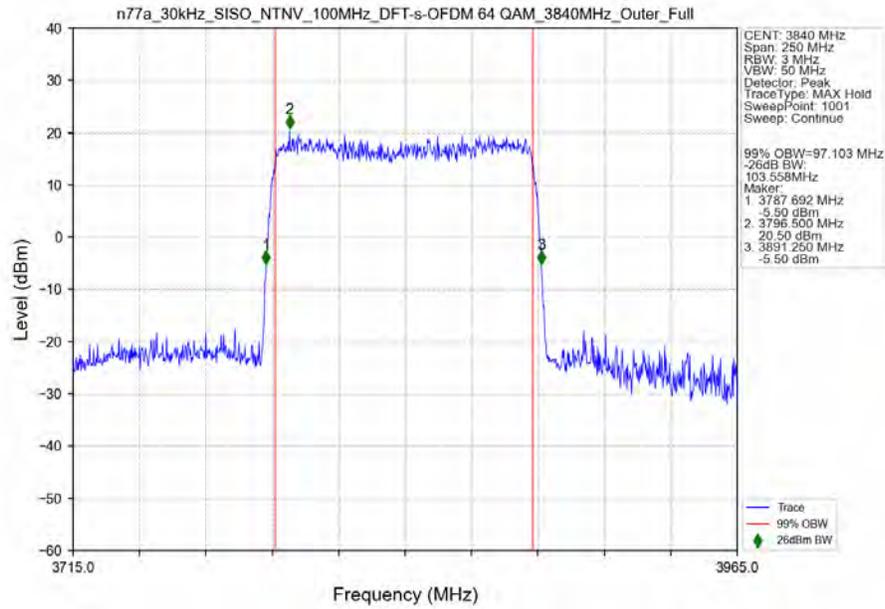
n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM QPSK\_3840MHz\_Outer\_Full\_Ant1



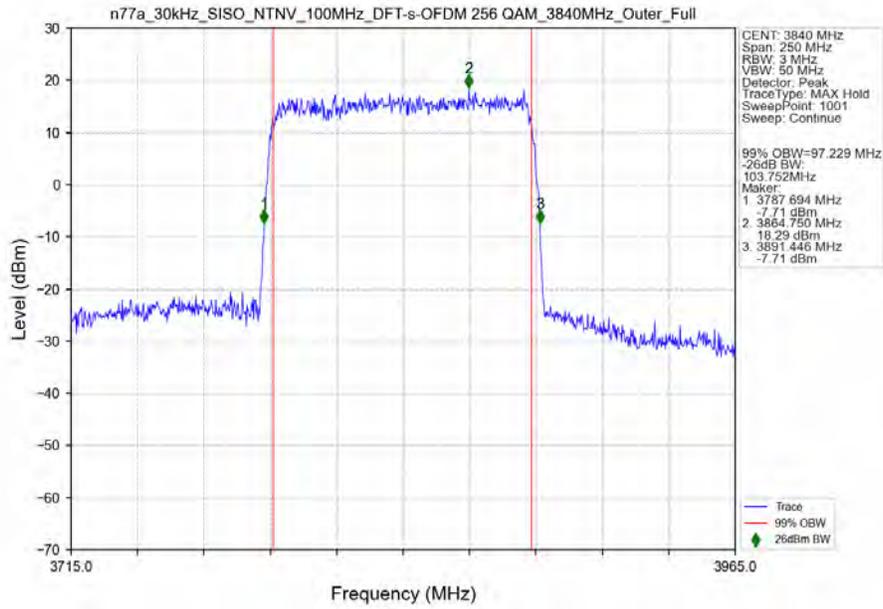
n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM 16 QAM\_3840MHz\_Outer\_Full\_Ant1



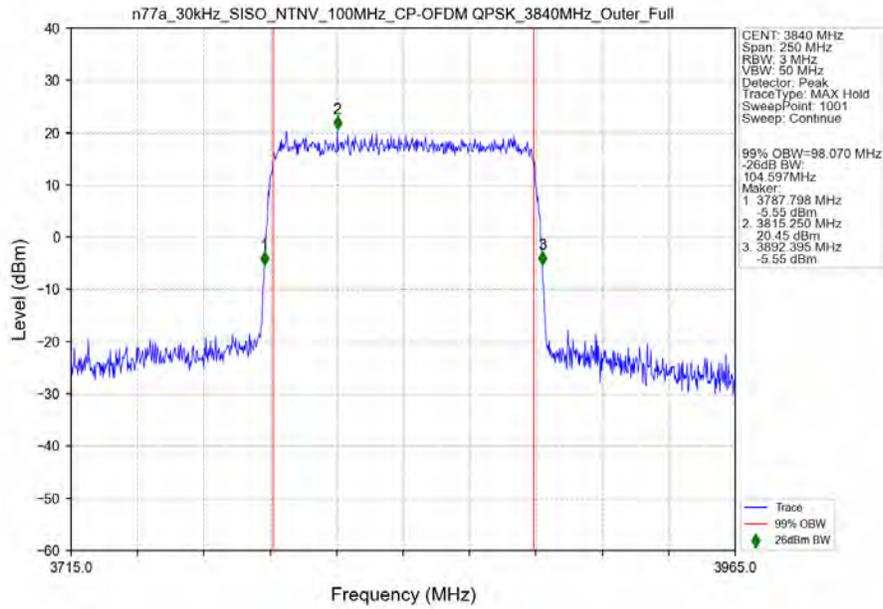
n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM 64 QAM\_3840MHz\_Outer\_Full\_Ant1



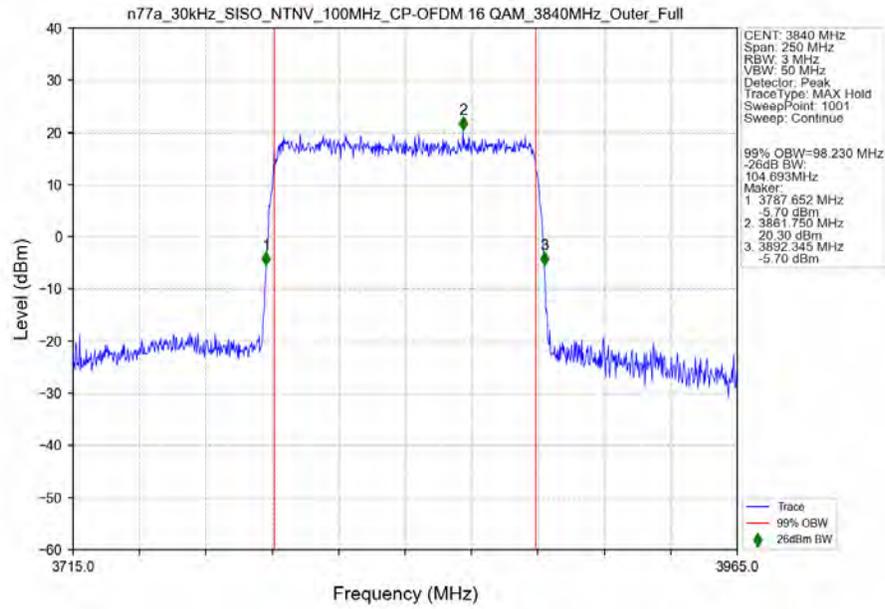
n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM 256 QAM\_3840MHz\_Outer\_Full\_Ant1



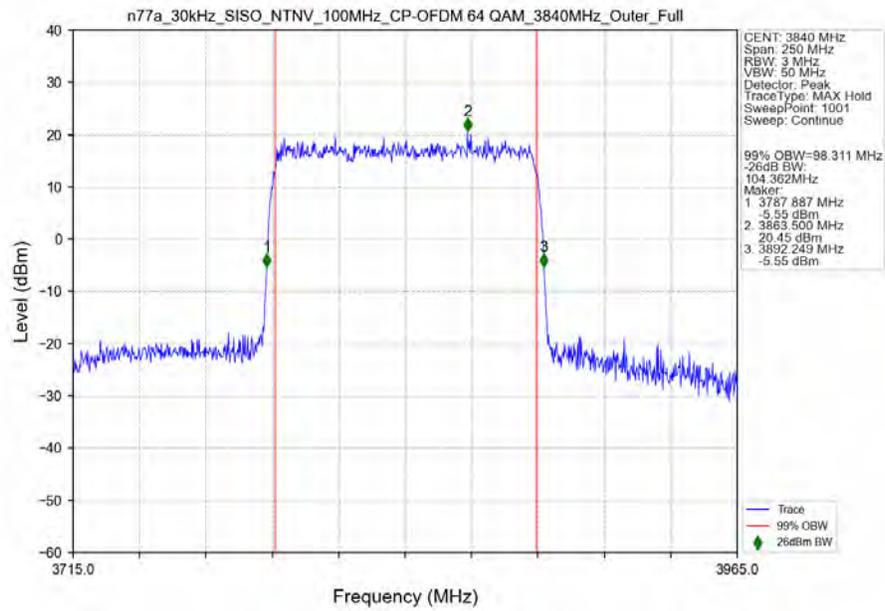
n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM QPSK\_3840MHz\_Outer\_Full\_Ant1



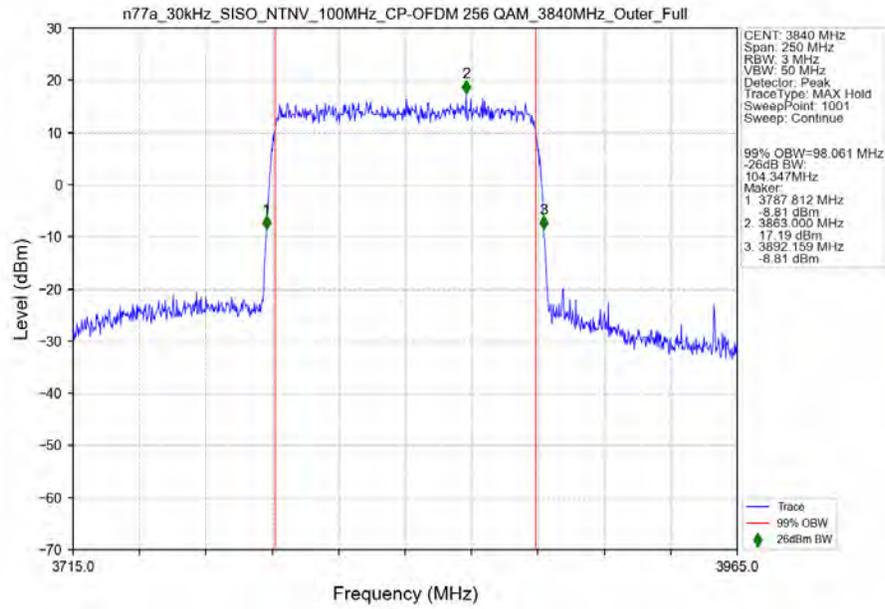
n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM 16 QAM\_3840MHz\_Outer\_Full\_Ant1



n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM 64 QAM\_3840MHz\_Outer\_Full\_Ant1



n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM 256 QAM\_3840MHz\_Outer\_Full\_Ant1



## 4. Peak-Average Ratio

### 4.1 Test Result

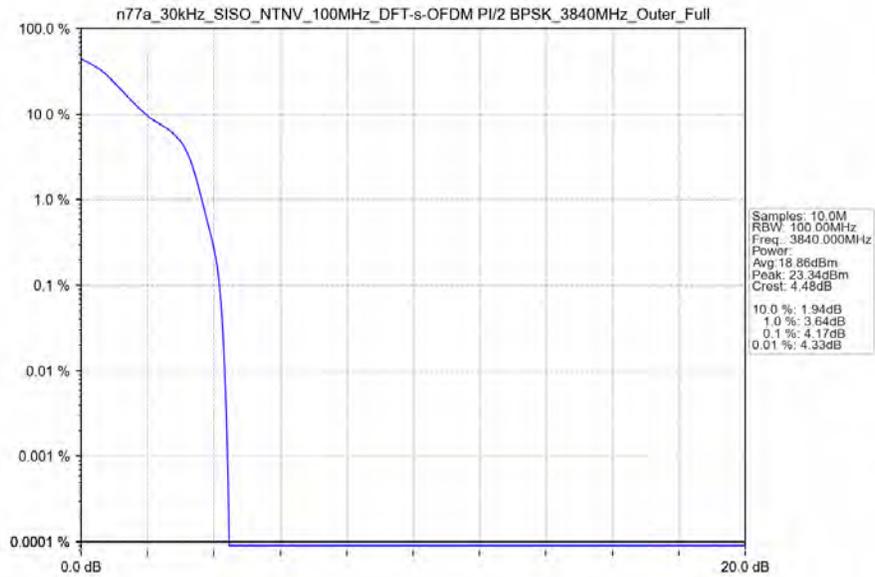
#### 4.1.1 30k\_SISO\_100MHz\_NTNV

5G NR n77a SCS=30kHz SISO 100MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Peak-Average Ratio (dB)				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	3840	Outer_Full	4.17	/	/	<=13	Pass
DFT-s-OFDM QPSK	3840	Outer_Full	5.41	/	/	<=13	Pass
CP-OFDM QPSK	3840	Outer_Full	8.10	/	/	<=13	Pass

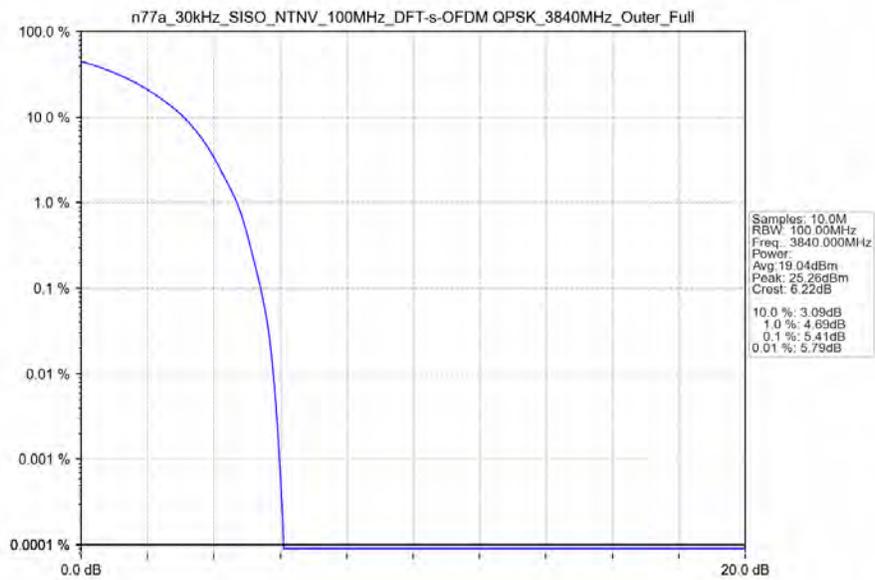
## 4.2 Test Graph

### 4.2.1 30k\_SISO\_100MHz\_NTNV

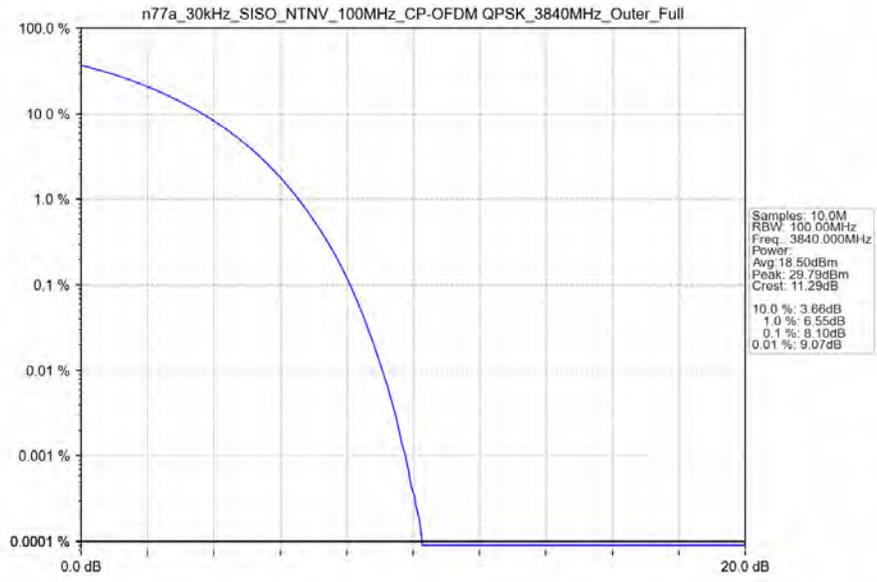
n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM PI/2 BPSK\_3840MHz\_Outer\_Full\_Ant1



n77a\_30kHz\_SISO\_NTNV\_100MHz\_DFT-s-OFDM QPSK\_3840MHz\_Outer\_Full\_Ant1



n77a\_30kHz\_SISO\_NTNV\_100MHz\_CP-OFDM\_QPSK\_3840MHz\_Outer\_Full\_Ant1





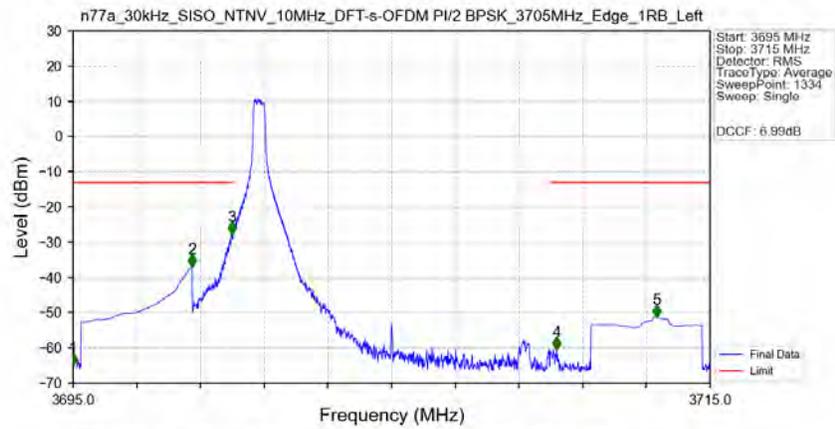
### 5.1.3 30k\_SISO\_100MHz\_NTNV

5G NR n77a SCS=30kHz SISO 100MHz NTN								
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict	
			Ant1	Ant2	Sum	Limit		
DFT-s-OFDM PI/2 BPSK	3750	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
	3840	Edge_1RB_Left	Refer To Test Graph				Pass	
		3930	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	3750	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
	3840	Edge_1RB_Left	Refer To Test Graph				Pass	
		3930	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	3750	Edge_1RB_Left	Refer To Test Graph				Pass	
		Outer_Full	Refer To Test Graph				Pass	
	3840	Edge_1RB_Left	Refer To Test Graph				Pass	
		3930	Edge_1RB_Right	Refer To Test Graph				Pass
			Outer_Full	Refer To Test Graph				Pass

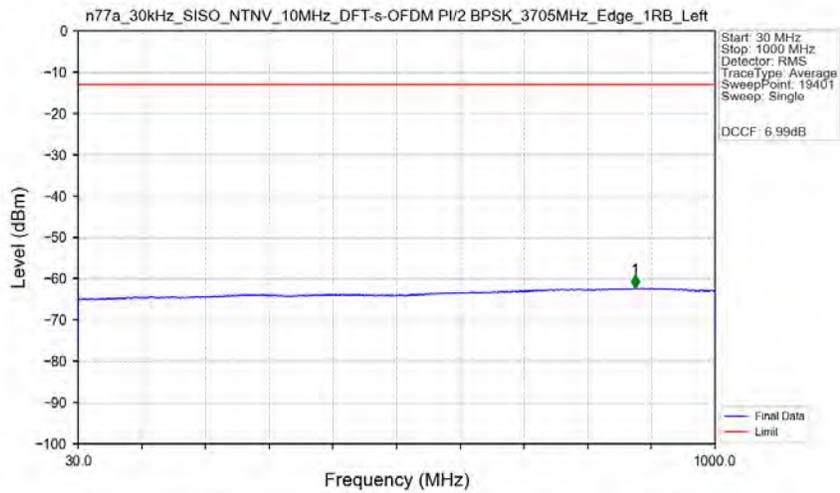
## 5.2 Test Graph

### 5.2.1 30k\_SISO\_10MHz\_NTNV

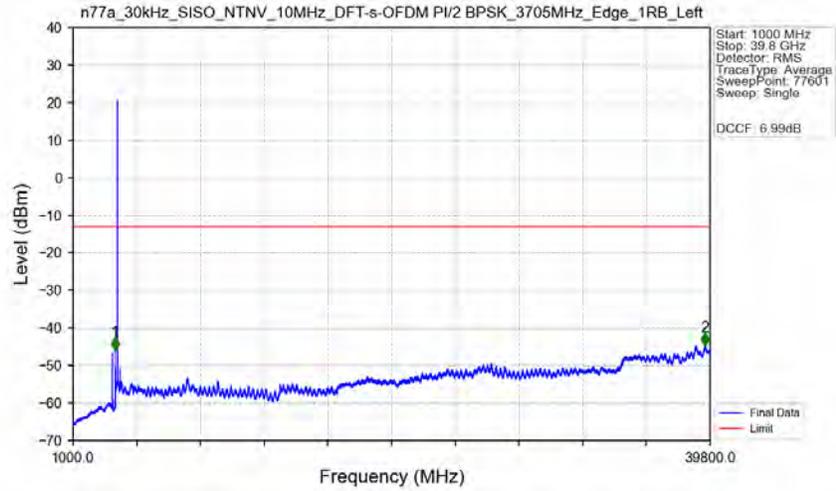
n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3705MHz\_Edge\_1RB\_Left\_Ant1



n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3705MHz\_Edge\_1RB\_Left\_Ant1

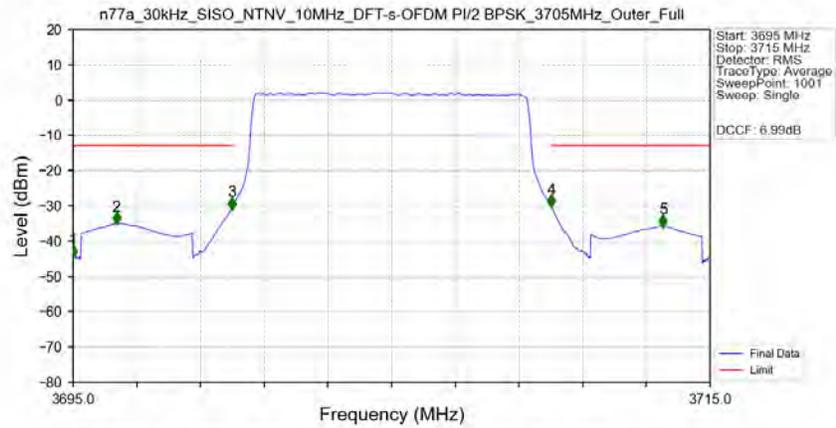


n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3705MHz\_Edge\_1RB\_Left\_Ant1



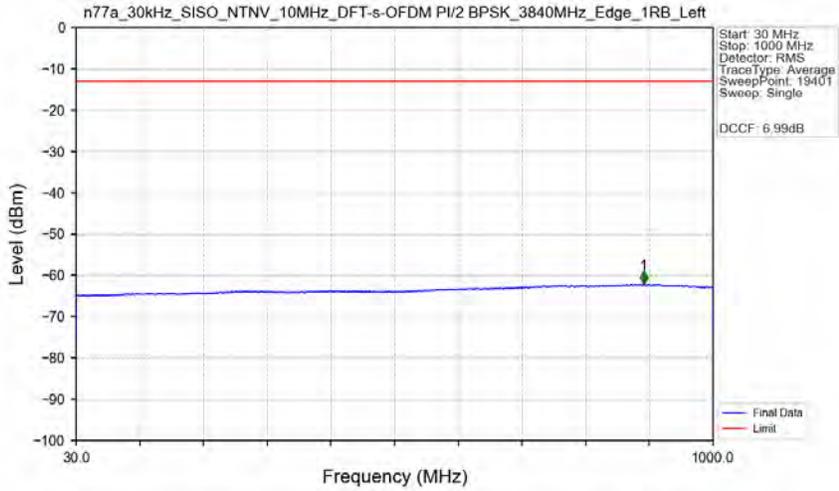
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3695	1	/	1	3547.000	-45.99	-13	Pass
3695	3715	1	/	/	/	/	/	/
3715	39800	1	/	2	39495.500	-44.68	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3705MHz\_Outer\_Full\_Ant1



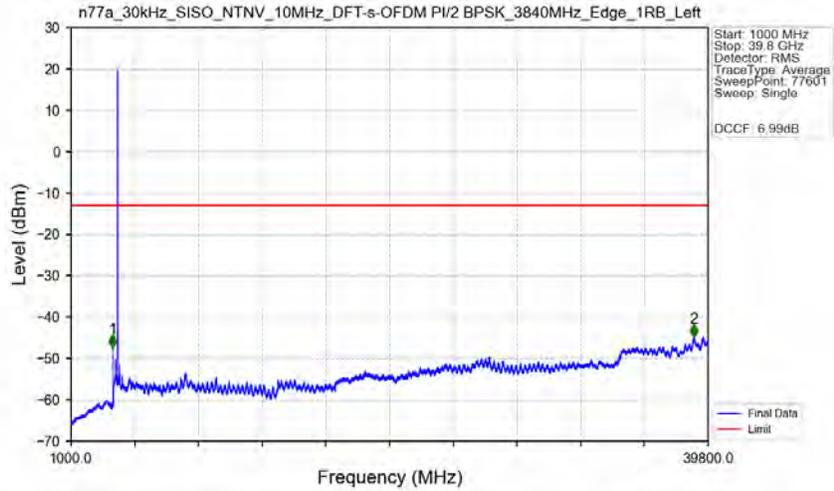
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695	0.5	/	1	3695.000	-44.35	-13	Pass
3695	3699	0.5	CHP	2	3696.360	-34.96	-13	Pass
3699	3700	0.10118	CHP	3	3699.980	-30.89	-13	Pass
3700	3710	0.10118	CHP	/	/	/	/	/
3710	3711	0.10118	CHP	4	3710.020	-30.12	-13	Pass
3711	3715	0.5	CHP	5	3713.520	-35.78	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3840MHz\_Edge\_1RB\_Left\_Ant1



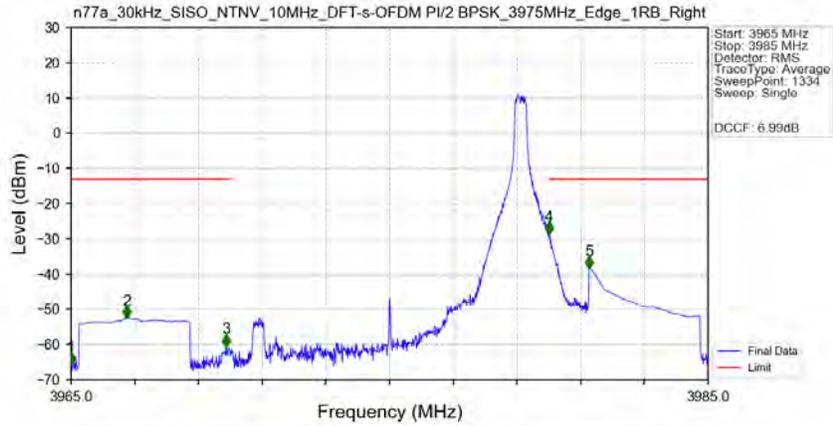
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	894.150	-62.07	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3840MHz\_Edge\_1RB\_Left\_Ant1



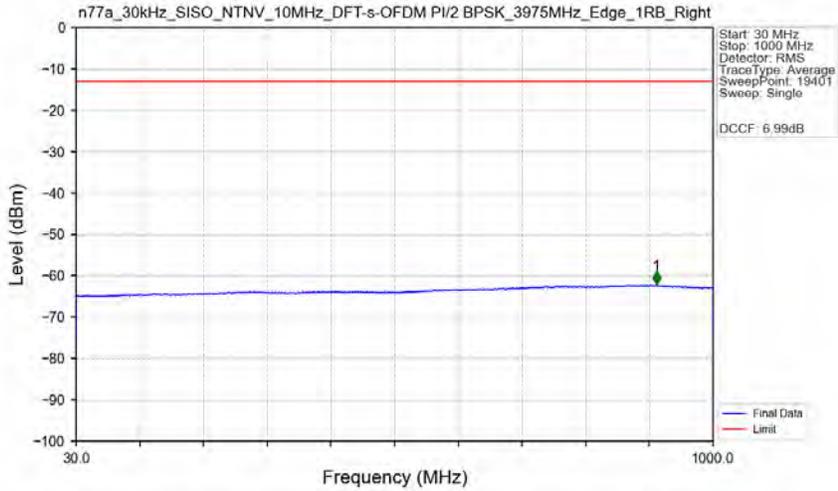
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3830	1	/	1	3544.500	-47.37	-13	Pass
3830	3850	1	/	/	/	/	/	/
3850	39800	1	/	2	38947.500	-44.83	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3975MHz\_Edge\_1RB\_Right\_Ant1



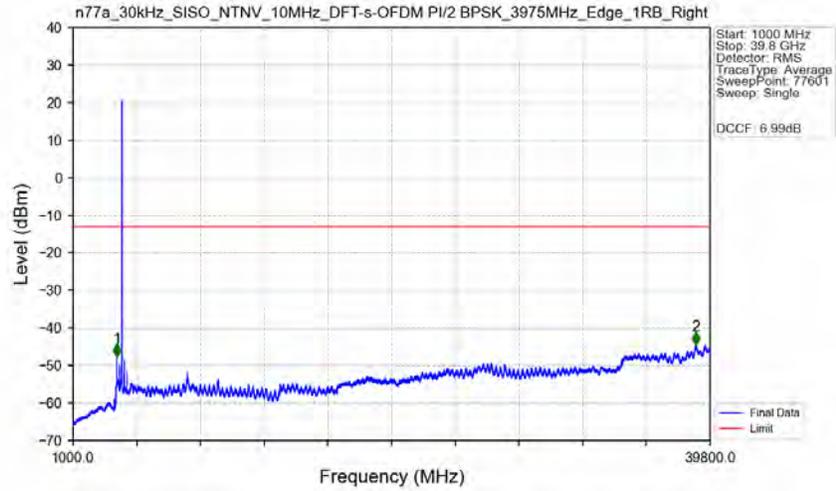
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3965	3965	0.5	/	1	3965.000	-65.54	-13	Pass
3965	3969	0.5	CHP	2	3966.755	-52.39	-13	Pass
3969	3970	0.03	/	3	3969.861	-60.42	-13	Pass
3970	3980	0.03	/	/	/	/	/	/
3980	3981	0.03	/	4	3980.004	-28.49	-13	Pass
3981	3985	0.5	CHP	5	3981.264	-38.27	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3975MHz\_Edge\_1RB\_Right\_Ant1



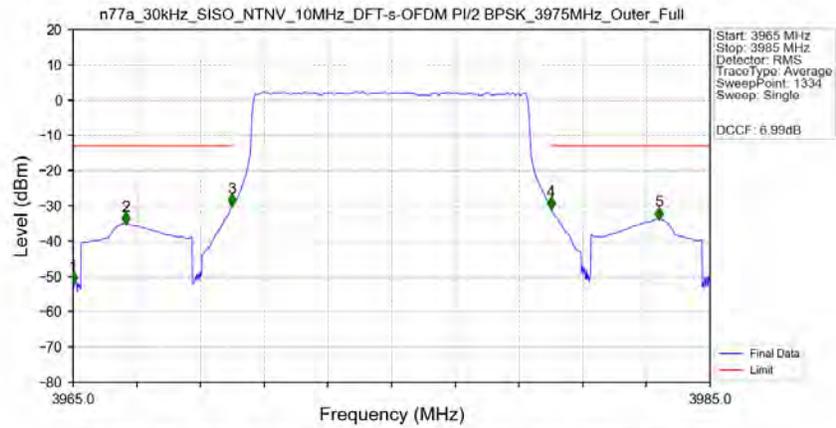
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	913.850	-62.11	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3975MHz\_Edge\_1RB\_Right\_Ant1



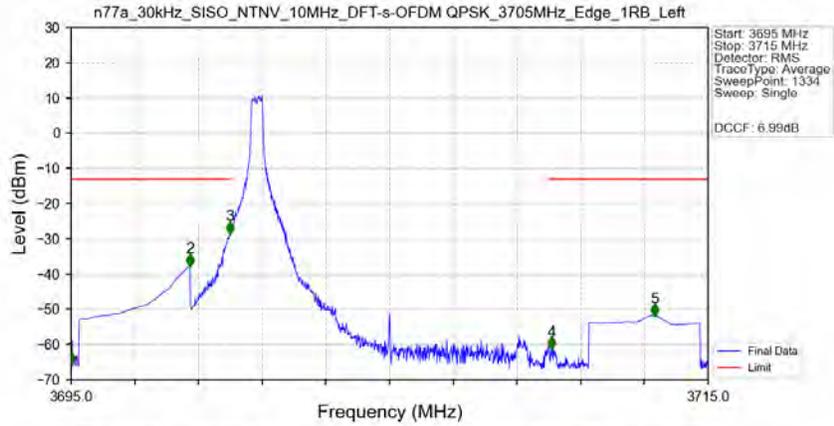
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3965	1	/	1	3672.000	-47.76	-13	Pass
3965	3985	1	/	/	/	/	/	/
3985	39800	1	/	2	38929.500	-44.46	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3975MHz\_Outer\_Full\_Ant1



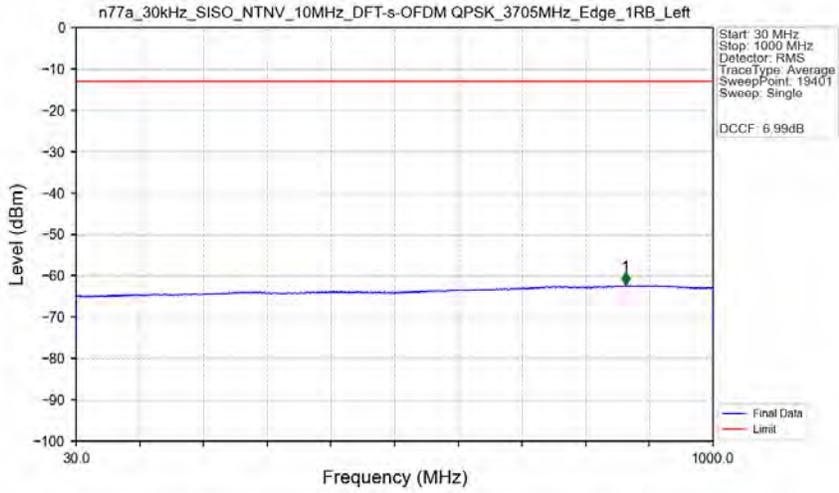
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3965	3965	0.5	/	1	3965.000	-51.86	-13	Pass
3965	3969	0.5	CHP	2	3966.650	-35.01	-13	Pass
3969	3970	0.09891	CHP	3	3969.996	-29.92	-13	Pass
3970	3980	0.09891	CHP	/	/	/	/	/
3980	3981	0.09891	CHP	4	3980.004	-30.79	-13	Pass
3981	3985	0.5	CHP	5	3983.395	-33.61	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_QPSK\_3705MHz\_Edge\_1RB\_Left\_Ant1



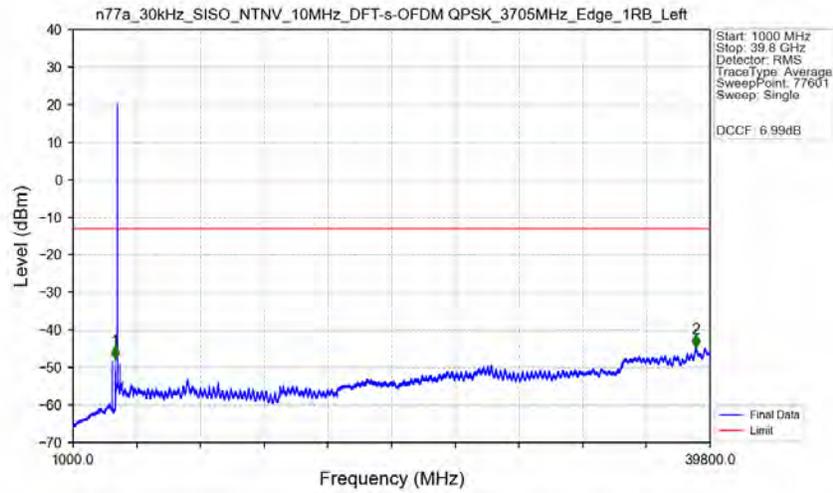
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695	0.5	/	1	3695.000	-65.34	-13	Pass
3695	3699	0.5	CHP	2	3698.736	-37.50	-13	Pass
3699	3700	0.03	/	3	3699.996	-28.36	-13	Pass
3700	3710	0.03	/	/	/	/	/	/
3710	3711	0.03	/	4	3710.094	-61.22	-13	Pass
3711	3715	0.5	CHP	5	3713.320	-51.68	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_QPSK\_3705MHz\_Edge\_1RB\_Left\_Ant1



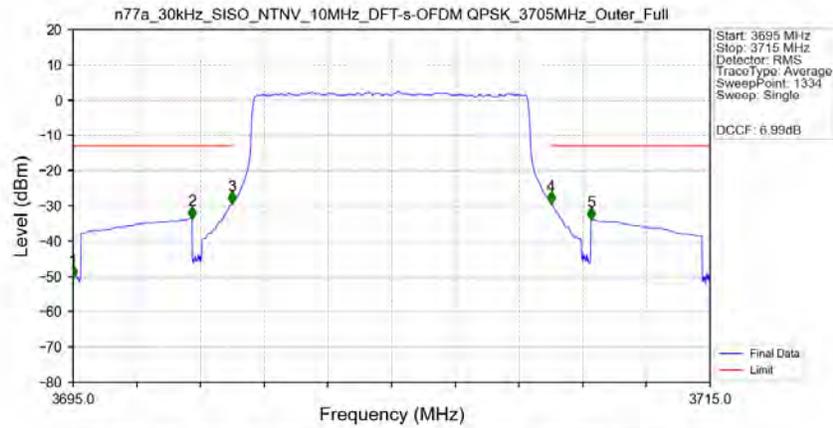
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	866.750	-62.32	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_QPSK\_3705MHz\_Edge\_1RB\_Left\_Ant1



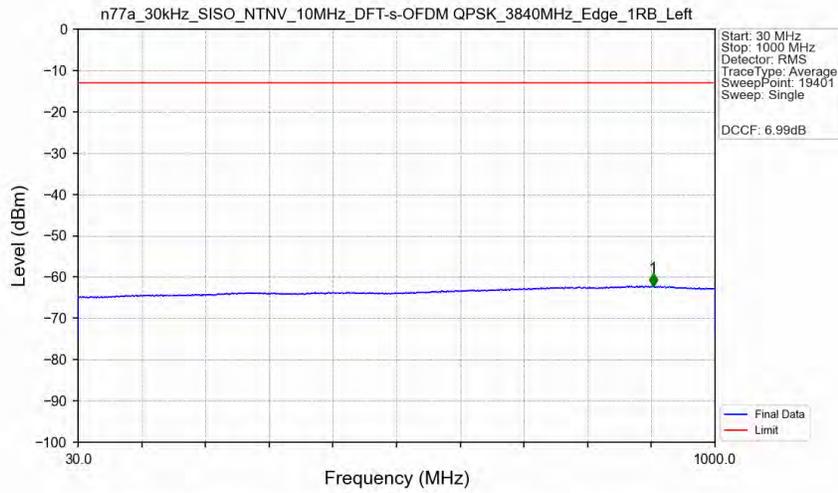
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3695	1	/	1	3547.000	-47.68	-13	Pass
3695	3715	1	/	/	/	/	/	/
3715	39800	1	/	2	38919.500	-44.70	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_QPSK\_3705MHz\_Outer\_Full\_Ant1



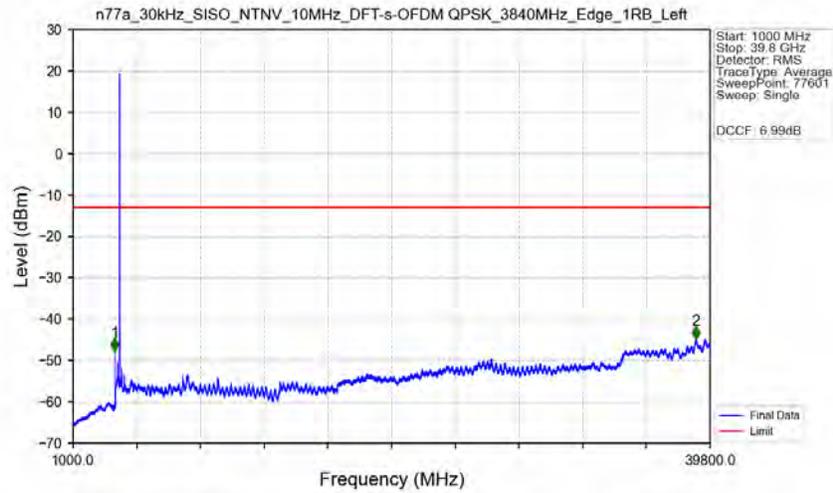
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695	0.5	/	1	3695.000	-50.19	-13	Pass
3695	3699	0.5	CHP	2	3698.736	-33.44	-13	Pass
3699	3700	0.09891	CHP	3	3699.996	-29.25	-13	Pass
3700	3710	0.09891	CHP	/	/	/	/	/
3710	3711	0.09891	CHP	4	3710.004	-29.27	-13	Pass
3711	3715	0.5	CHP	5	3711.264	-33.68	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_QPSK\_3840MHz\_Edge\_1RB\_Left\_Ant1



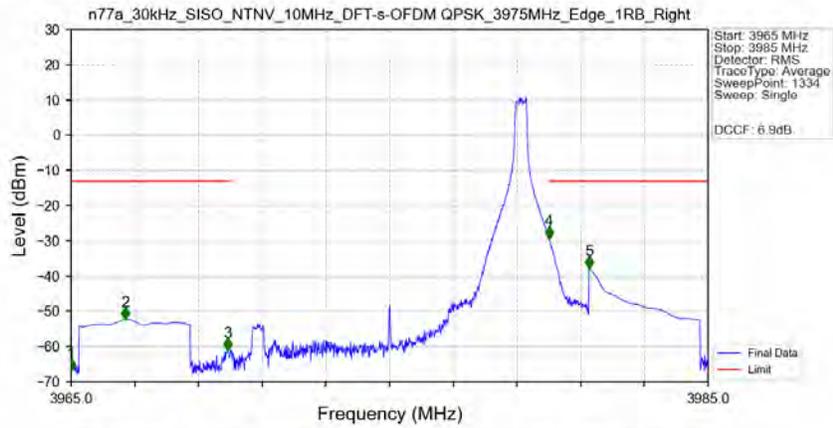
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	905.750	-62.18	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_QPSK\_3840MHz\_Edge\_1RB\_Left\_Ant1



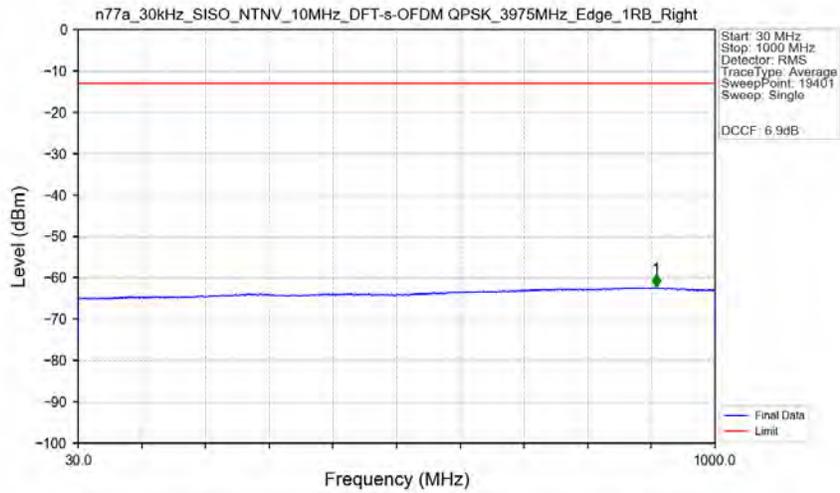
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3830	1	/	1	3545.000	-47.78	-13	Pass
3830	3850	1	/	/	/	/	/	/
3850	39800	1	/	2	38915.000	-44.86	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_QPSK\_3975MHz\_Edge\_1RB\_Right\_Ant1



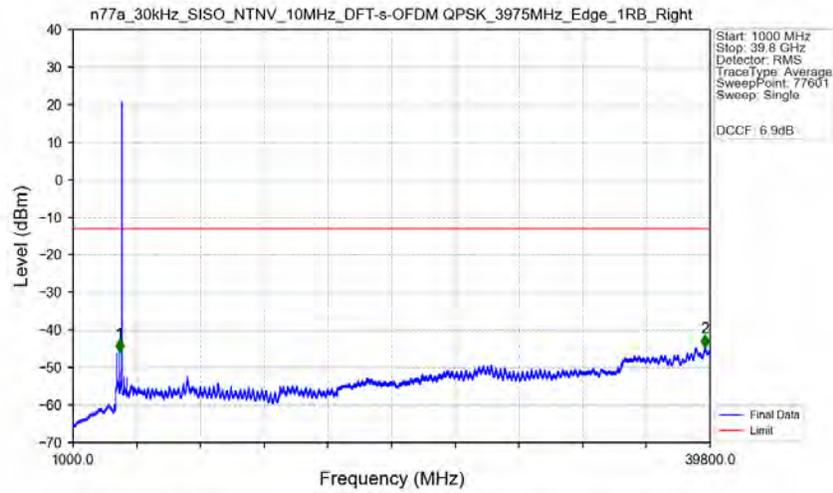
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3965	3965	0.5	/	1	3965.000	-66.63	-13	Pass
3965	3969	0.5	CHP	2	3966.710	-52.20	-13	Pass
3969	3970	0.03	/	3	3969.921	-60.87	-13	Pass
3970	3980	0.03	/	/	/	/	/	/
3980	3981	0.03	/	4	3980.004	-29.18	-13	Pass
3981	3985	0.5	CHP	5	3981.264	-37.71	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_QPSK\_3975MHz\_Edge\_1RB\_Right\_Ant1



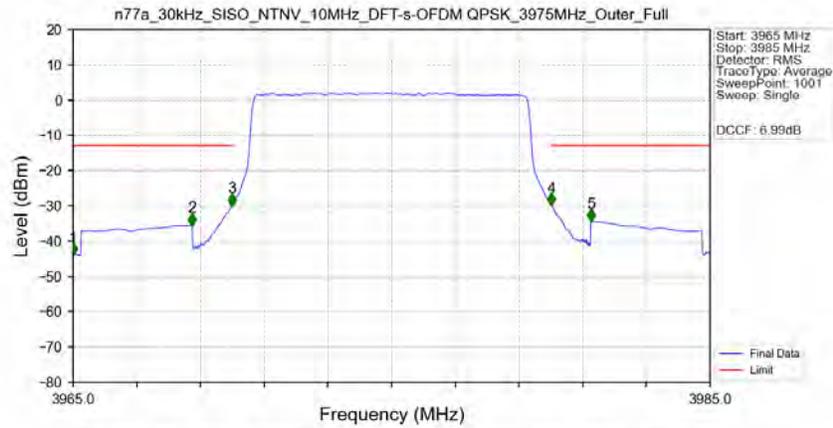
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	910.200	-62.31	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_QPSK\_3975MHz\_Edge\_1RB\_Right\_Ant1



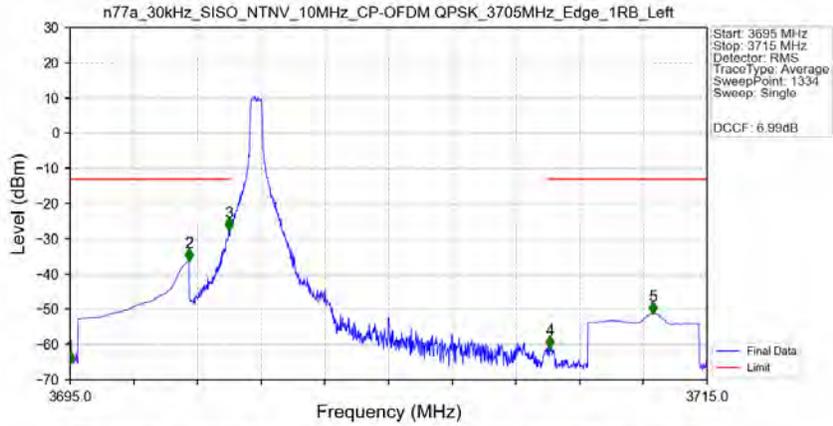
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3965	1	/	1	3825.500	-45.80	-13	Pass
3965	3985	1	/	/	/	/	/	/
3985	39800	1	/	2	39484.500	-44.60	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM\_QPSK\_3975MHz\_Outer\_Full\_Ant1



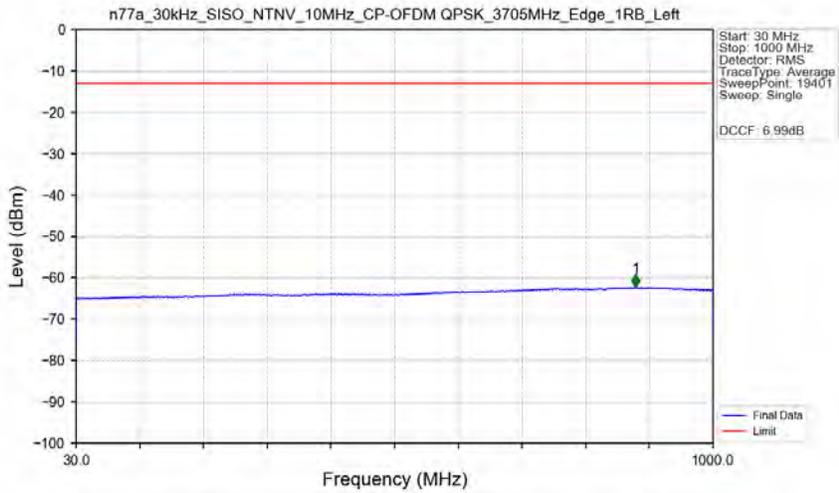
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3965	3965	0.5	/	1	3965.000	-43.78	-13	Pass
3965	3969	0.5	CHP	2	3968.740	-35.38	-13	Pass
3969	3970	0.10138	CHP	3	3969.980	-29.77	-13	Pass
3970	3980	0.10138	CHP	/	/	/	/	/
3980	3981	0.10138	CHP	4	3980.020	-29.75	-13	Pass
3981	3985	0.5	CHP	5	3981.260	-34.16	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM\_QPSK\_3705MHz\_Edge\_1RB\_Left\_Ant1



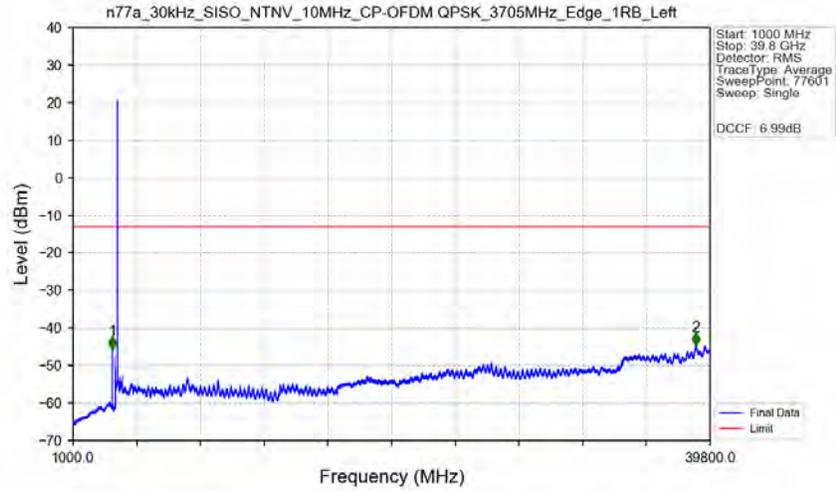
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695	0.5	/	1	3695.000	-65.20	-13	Pass
3695	3699	0.5	CHP	2	3698.736	-36.01	-13	Pass
3699	3700	0.03	/	3	3699.981	-27.44	-13	Pass
3700	3710	0.03	/	/	/	/	/	/
3710	3711	0.03	/	4	3710.064	-60.81	-13	Pass
3711	3715	0.5	CHP	5	3713.290	-51.14	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM\_QPSK\_3705MHz\_Edge\_1RB\_Left\_Ant1



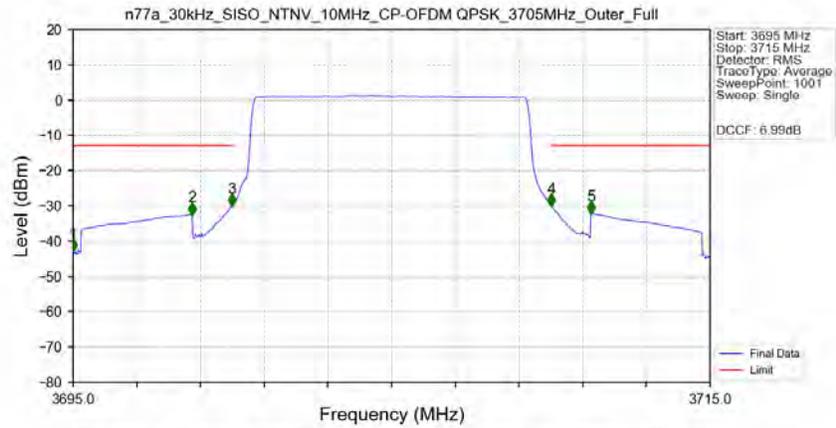
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	882.100	-62.30	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3705MHz\_Edge\_1RB\_Left\_Ant1



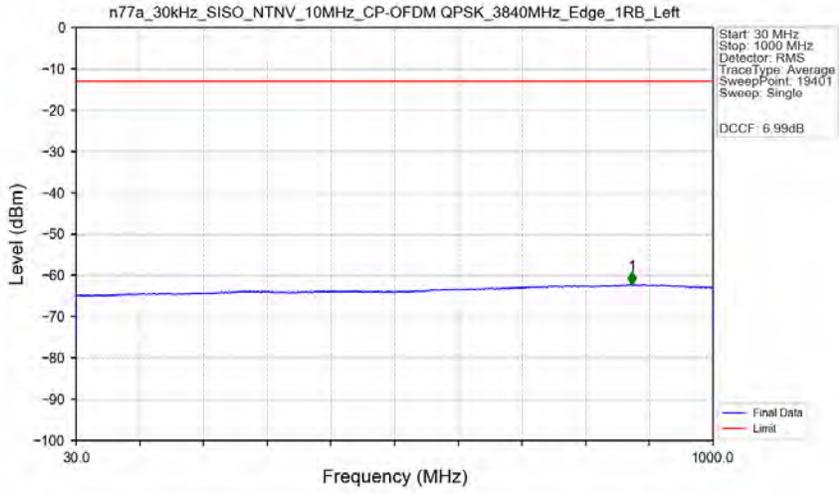
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3695	1	/	1	3393.500	-45.74	-13	Pass
3695	3715	1	/	/	/	/	/	/
3715	39800	1	/	2	38922.000	-44.65	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3705MHz\_Outer\_Full\_Ant1



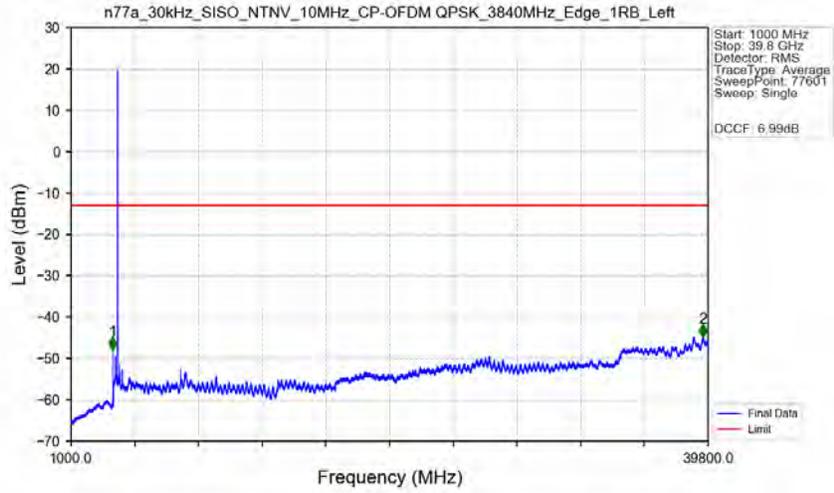
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695	0.5	/	1	3695.000	-42.74	-13	Pass
3695	3699	0.5	CHP	2	3698.740	-32.33	-13	Pass
3699	3700	0.10138	CHP	3	3699.980	-29.88	-13	Pass
3700	3710	0.10138	CHP	/	/	/	/	/
3710	3711	0.10138	CHP	4	3710.020	-29.92	-13	Pass
3711	3715	0.5	CHP	5	3711.260	-32.03	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM\_QPSK\_3840MHz\_Edge\_1RB\_Left\_Ant1



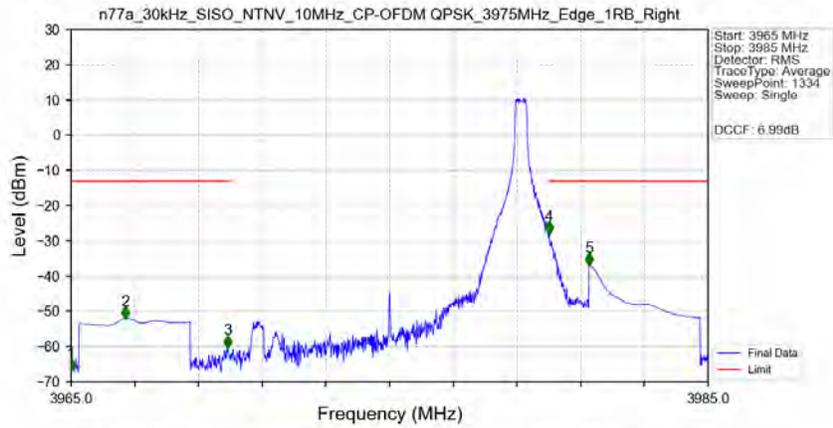
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	876.650	-62.17	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM\_QPSK\_3840MHz\_Edge\_1RB\_Left\_Ant1



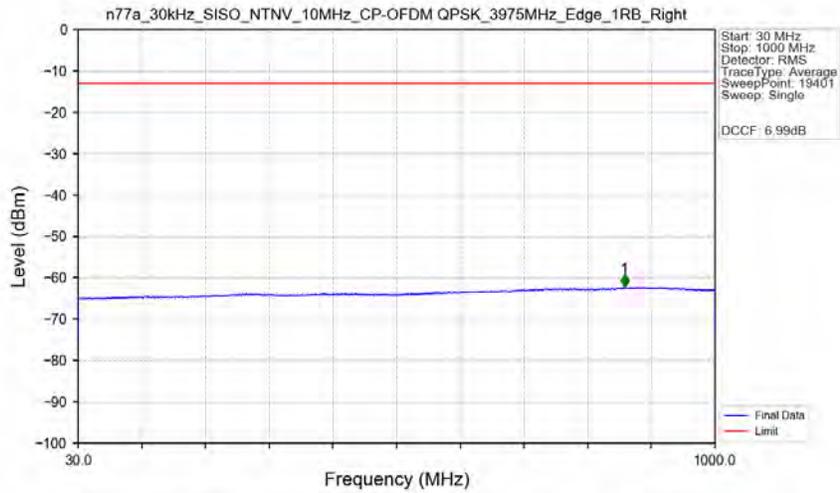
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3830	1	/	1	3544.500	-47.92	-13	Pass
3830	3850	1	/	/	/	/	/	/
3850	39800	1	/	2	39499.000	-44.80	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM\_QPSK\_3975MHz\_Edge\_1RB\_Right\_Ant1



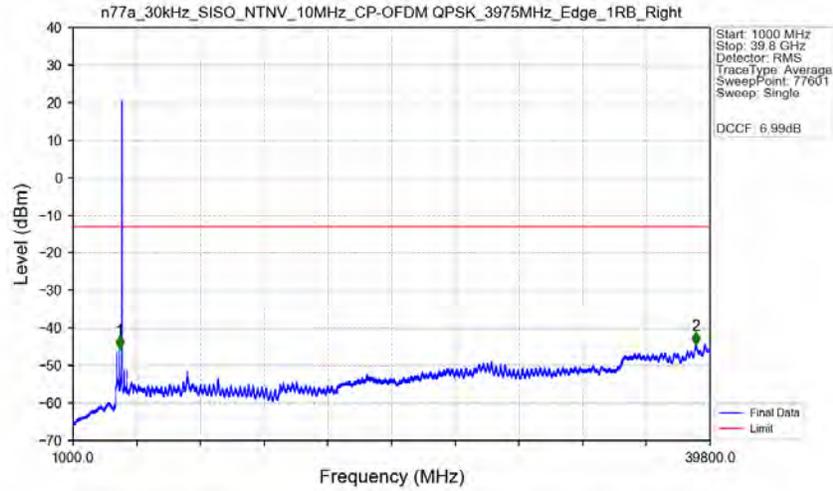
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3965	3965	0.5	/	1	3965.000	-66.72	-13	Pass
3965	3969	0.5	CHP	2	3966.710	-51.92	-13	Pass
3969	3970	0.03	/	3	3969.921	-60.19	-13	Pass
3970	3980	0.03	/	/	/	/	/	/
3980	3981	0.03	/	4	3980.004	-27.74	-13	Pass
3981	3985	0.5	CHP	5	3981.264	-36.79	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM\_QPSK\_3975MHz\_Edge\_1RB\_Right\_Ant1



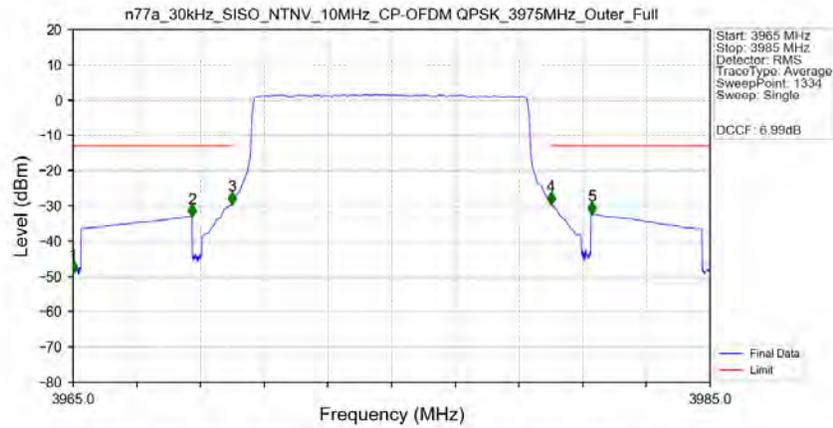
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	862.200	-62.31	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3975MHz\_Edge\_1RB\_Right\_Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3965	1	/	1	3825.500	-45.45	-13	Pass
3965	3985	1	/	/	/	/	/	/
3985	39800	1	/	2	38932.000	-44.39	-13	Pass

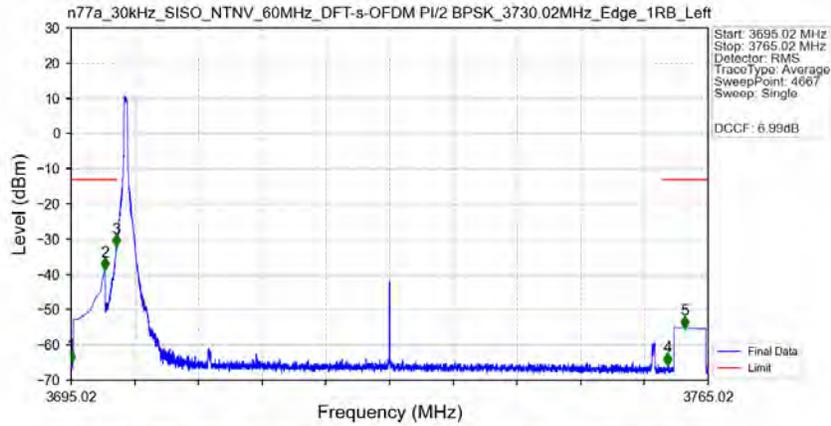
n77a\_30kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3975MHz\_Outer\_Full\_Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3965	3965	0.5	/	1	3965.000	-48.66	-13	Pass
3965	3969	0.5	CHP	2	3968.736	-32.92	-13	Pass
3969	3970	0.09706	CHP	3	3969.996	-29.35	-13	Pass
3970	3980	0.09706	CHP	/	/	/	/	/
3980	3981	0.09706	CHP	4	3980.004	-29.34	-13	Pass
3981	3985	0.5	CHP	5	3981.294	-32.16	-13	Pass

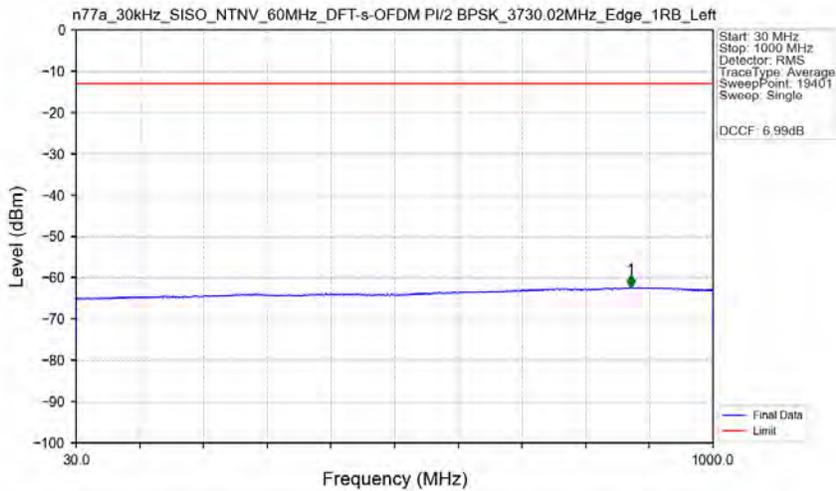
### 5.2.2 30k\_SISO\_60MHz\_NTNV

n77a\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM PI/2 BPSK\_3730.02MHz\_Edge\_1RB\_Left\_Ant1



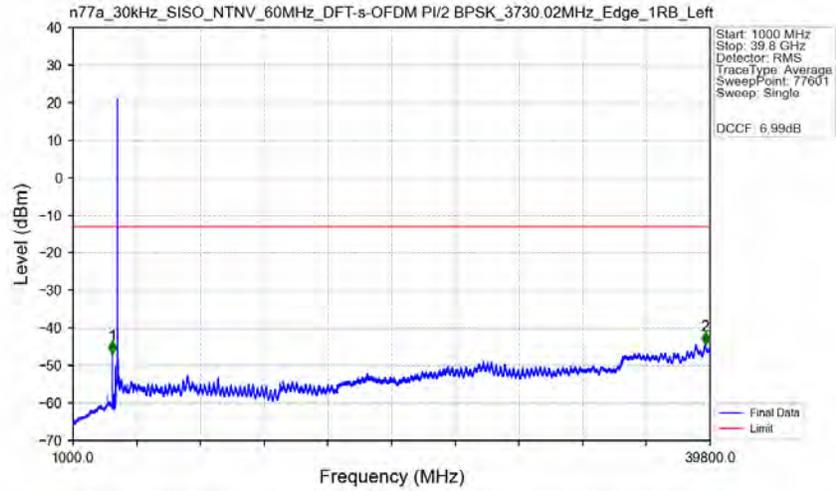
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695.02	3695.02	0.5	/	1	3695.020	-64.73	-13	Pass
3695.02	3699.02	0.5	CHP	2	3698.756	-38.44	-13	Pass
3699.02	3700.02	0.03	/	3	3699.986	-31.83	-13	Pass
3700.02	3760.02	0.03	/	/	/	/	/	/
3760.02	3761.02	0.03	/	4	3760.564	-65.55	-13	Pass
3761.02	3765.02	0.5	CHP	5	3762.440	-55.05	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM PI/2 BPSK\_3730.02MHz\_Edge\_1RB\_Left\_Ant1



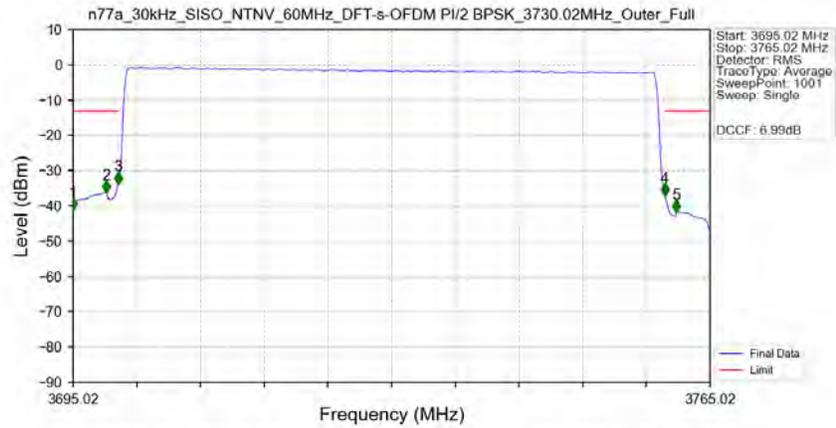
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	874.650	-62.35	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM PI/2 BPSK\_3730.02MHz\_Edge\_1RB\_Left\_Ant1



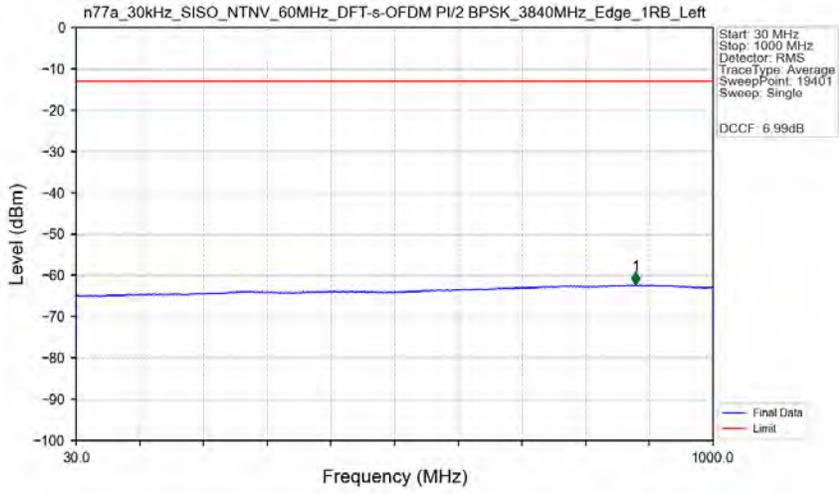
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3695.02	1	/	1	3394.000	-46.80	-13	Pass
3695.02	3765.02	1	/	/	/	/	/	/
3765.02	39800	1	/	2	39505.500	-44.48	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM PI/2 BPSK\_3730.02MHz\_Outer\_Full\_Ant1



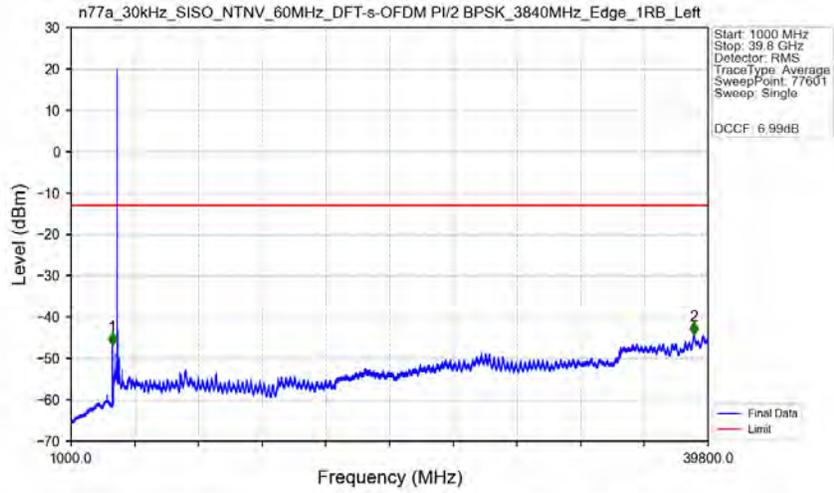
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695.02	3695.02	0.5	/	1	3695.020	-40.96	-13	Pass
3695.02	3699.02	0.5	CHP	2	3698.660	-36.13	-13	Pass
3699.02	3700.02	0.35	CHP	3	3699.990	-33.61	-13	Pass
3700.02	3760.02	0.35	CHP	/	/	/	/	/
3760.02	3761.02	0.35	CHP	4	3760.050	-36.97	-13	Pass
3761.02	3765.02	0.5	CHP	5	3761.310	-41.58	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM\_PI/2\_BPSK\_3840MHz\_Edge\_1RB\_Left\_Ant1



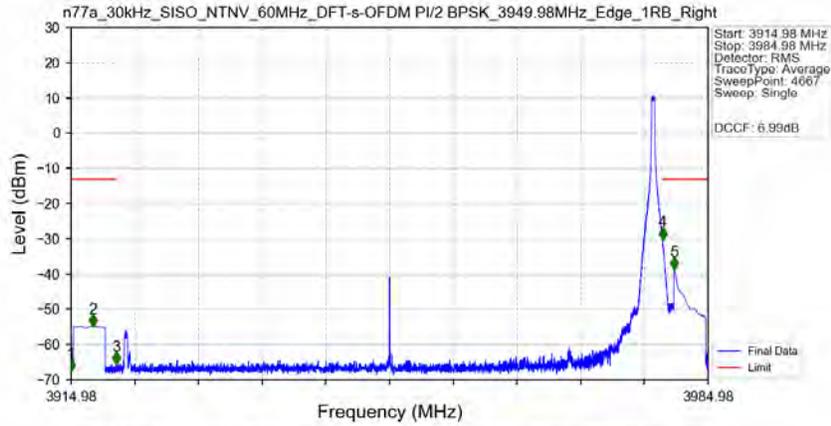
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	882.250	-62.25	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM\_PI/2\_BPSK\_3840MHz\_Edge\_1RB\_Left\_Ant1



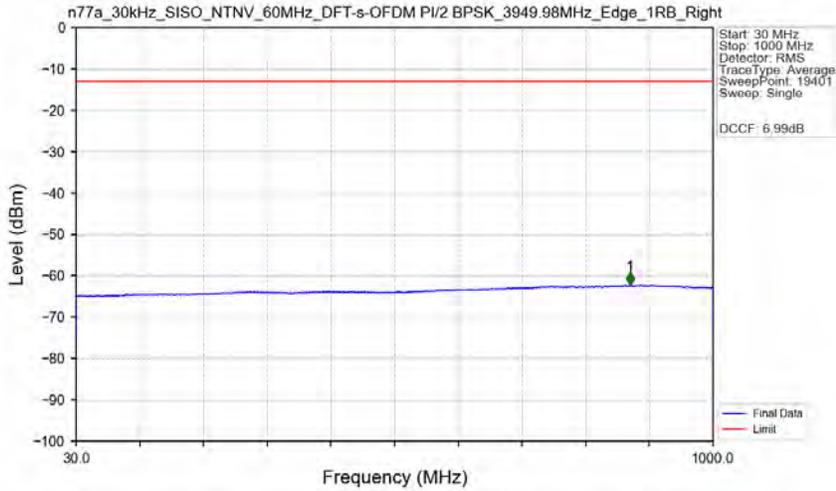
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3805	1	/	1	3520.000	-46.83	-13	Pass
3805	3875	1	/	/	/	/	/	/
3875	39800	1	/	2	38920.500	-44.30	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM PI/2 BPSK\_3949.98MHz\_Edge\_1RB\_Right\_Ant1



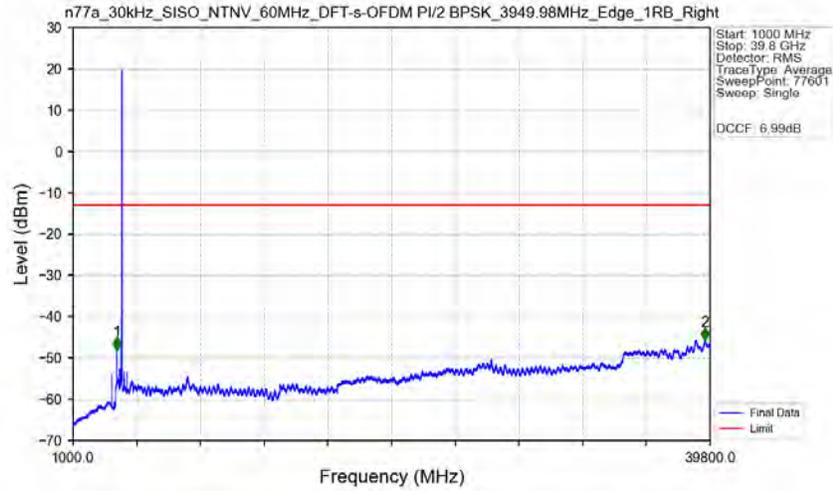
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3914.98	3914.98	0.5	/	1	3914.980	-67.32	-13	Pass
3914.98	3918.98	0.5	CHP	2	3917.395	-54.67	-13	Pass
3918.98	3919.98	0.03	/	3	3919.931	-65.42	-13	Pass
3919.98	3979.98	0.03	/	/	/	/	/	/
3979.98	3980.98	0.03	/	4	3979.984	-30.02	-13	Pass
3980.98	3984.98	0.5	CHP	5	3981.244	-38.46	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM PI/2 BPSK\_3949.98MHz\_Edge\_1RB\_Right\_Ant1



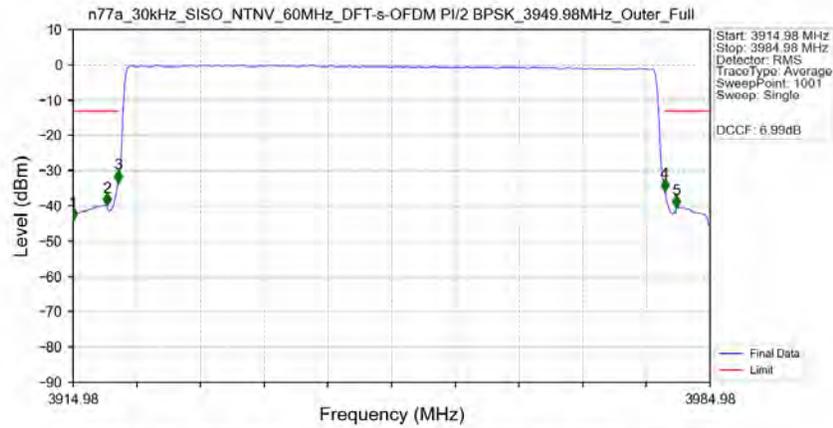
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	873.450	-62.20	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM PI/2 BPSK\_3949.98MHz\_Edge\_1RB\_Right Ant1



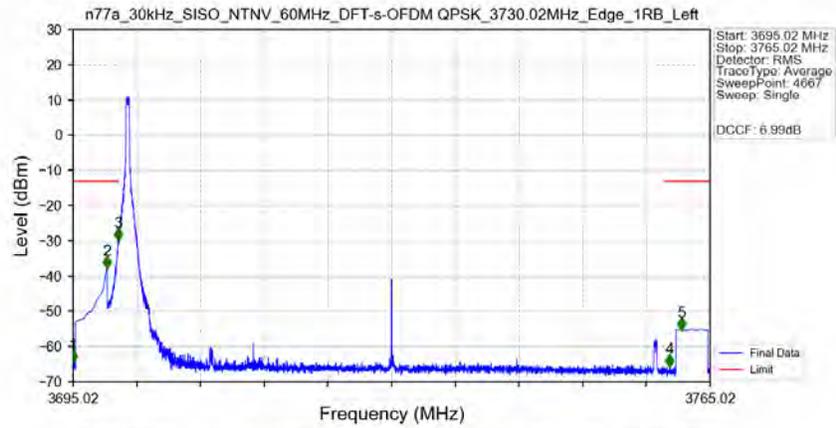
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3914.98	1	/	1	3671.500	-48.05	-13	Pass
3914.98	3984.98	1	/	/	/	/	/	/
3984.98	39800	1	/	2	39501.500	-45.63	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM PI/2 BPSK\_3949.98MHz\_Outer\_Full Ant1



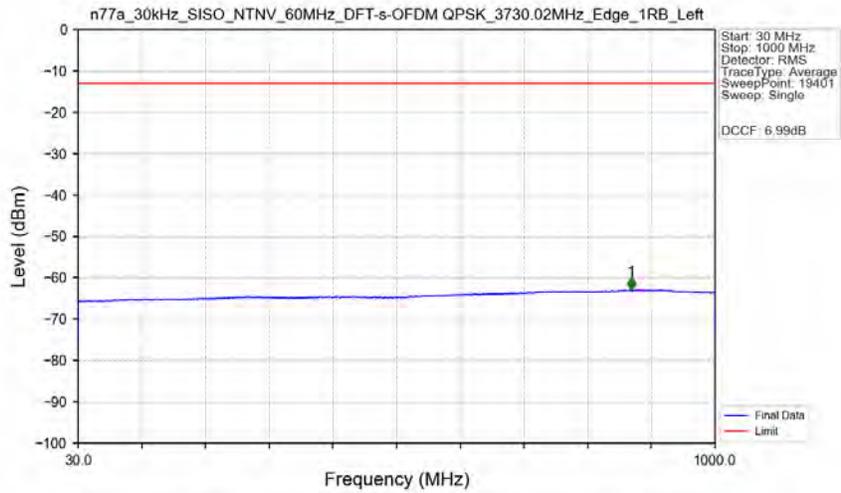
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3914.98	3914.98	0.5	/	1	3914.980	-43.69	-13	Pass
3914.98	3918.98	0.5	CHP	2	3918.690	-39.74	-13	Pass
3918.98	3919.98	0.35	CHP	3	3919.950	-33.17	-13	Pass
3919.98	3979.98	0.35	CHP	/	/	/	/	/
3979.98	3980.98	0.35	CHP	4	3980.010	-35.59	-13	Pass
3980.98	3984.98	0.5	CHP	5	3981.270	-40.35	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM\_QPSK\_3730.02MHz\_Edge\_1RB\_Left\_Ant1



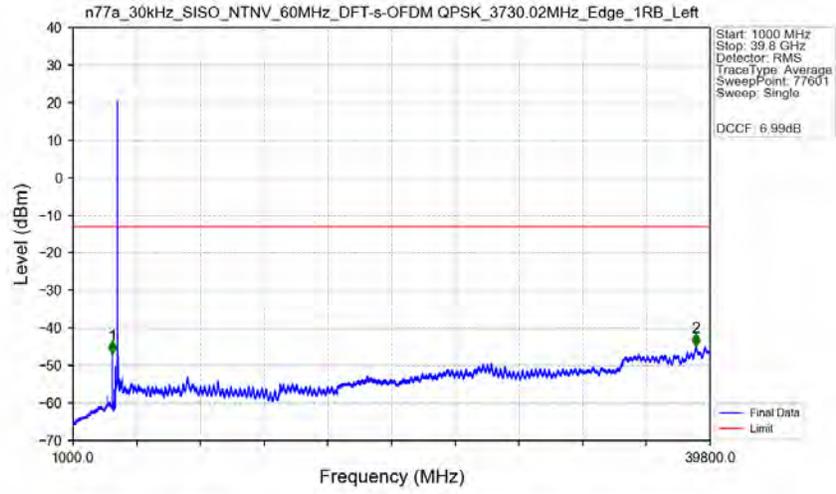
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695.02	3695.02	0.5	/	1	3695.020	-64.40	-13	Pass
3695.02	3699.02	0.5	CHP	2	3698.756	-37.58	-13	Pass
3699.02	3700.02	0.03	/	3	3700.001	-29.70	-13	Pass
3700.02	3760.02	0.03	/	/	/	/	/	/
3760.02	3761.02	0.03	/	4	3760.579	-65.50	-13	Pass
3761.02	3765.02	0.5	CHP	5	3761.870	-55.11	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM\_QPSK\_3730.02MHz\_Edge\_1RB\_Left\_Ant1



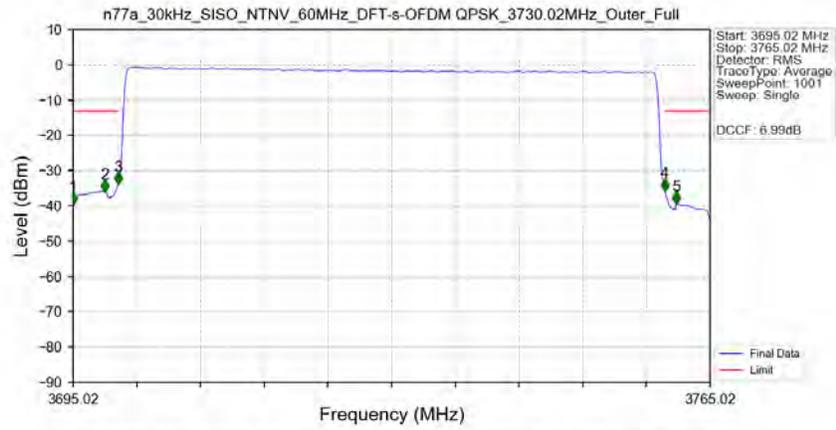
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	872.450	-62.96	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM\_QPSK\_3730.02MHz\_Edge\_1RB\_Left\_Ant1



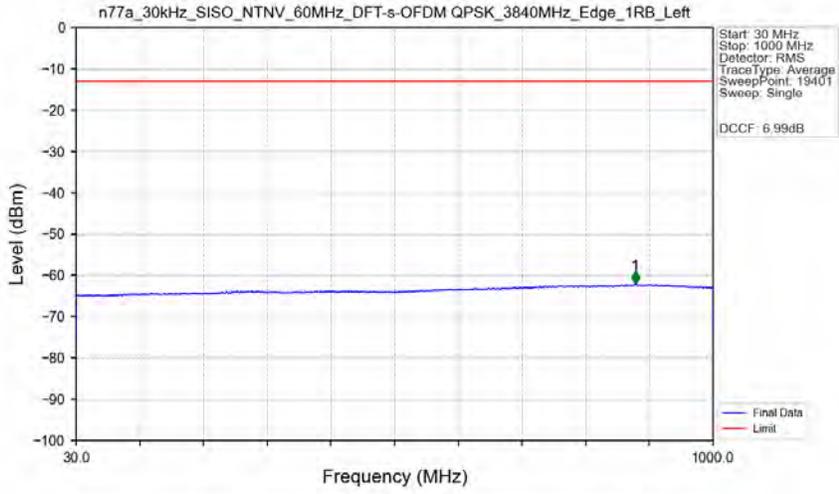
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3695.02	1	/	1	3394.000	-46.81	-13	Pass
3695.02	3765.02	1	/	/	/	/	/	/
3765.02	39800	1	/	2	38937.000	-44.82	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM\_QPSK\_3730.02MHz\_Outer\_Full\_Ant1



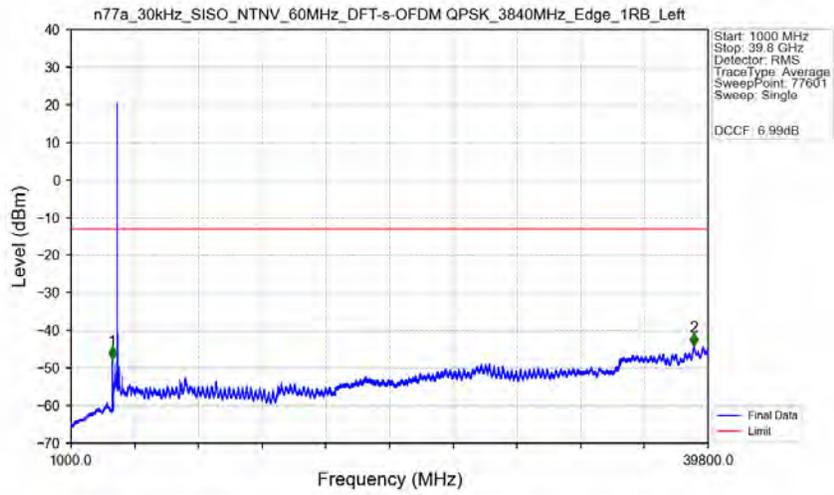
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695.02	3695.02	0.5	/	1	3695.020	-39.37	-13	Pass
3695.02	3699.02	0.5	CHP	2	3698.520	-35.78	-13	Pass
3699.02	3700.02	0.35	CHP	3	3699.990	-33.67	-13	Pass
3700.02	3760.02	0.35	CHP	/	/	/	/	/
3760.02	3761.02	0.35	CHP	4	3760.050	-35.54	-13	Pass
3761.02	3765.02	0.5	CHP	5	3761.310	-39.26	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM\_QPSK\_3840MHz\_Edge\_1RB\_Left\_Ant1



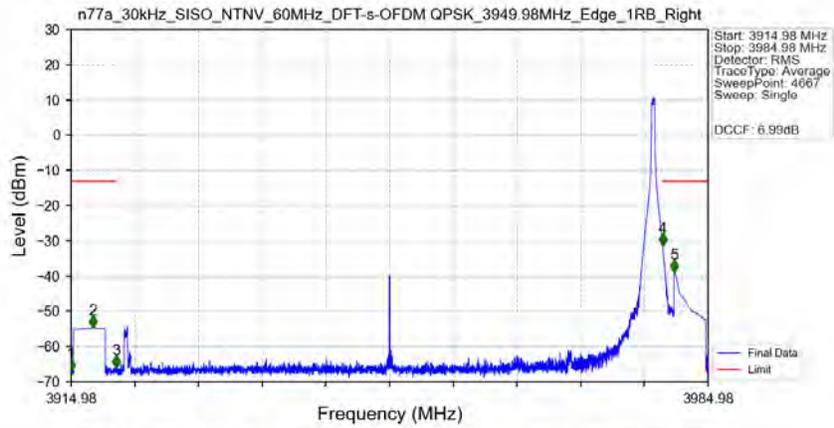
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	881.700	-62.05	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM\_QPSK\_3840MHz\_Edge\_1RB\_Left\_Ant1



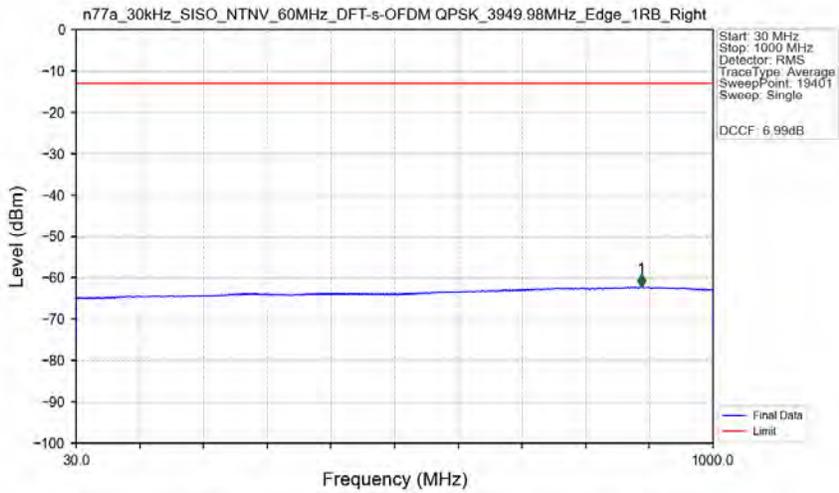
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3805	1	/	1	3520.000	-47.67	-13	Pass
3805	3875	1	/	/	/	/	/	/
3875	39800	1	/	2	38946.500	-44.06	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM\_QPSK\_3949.98MHz\_Edge\_1RB\_Right\_Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3914.98	3914.98	0.5	/	1	3914.980	-66.81	-13	Pass
3914.98	3918.98	0.5	CHP	2	3917.395	-54.57	-13	Pass
3918.98	3919.98	0.03	/	3	3919.916	-65.88	-13	Pass
3919.98	3979.98	0.03	/	/	/	/	/	/
3979.98	3980.98	0.03	/	4	3979.984	-31.22	-13	Pass
3980.98	3984.98	0.5	CHP	5	3981.244	-38.71	-13	Pass

n77a\_30kHz\_SISO\_NTNV\_60MHz\_DFT-s-OFDM\_QPSK\_3949.98MHz\_Edge\_1RB\_Right\_Ant1



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	891.000	-62.16	-13	Pass