

				HV	-12.80	-0.0034	>=-2.5 & <=2.5	Pass
			-30	NV	-14.20	-0.0038	>=-2.5 & <=2.5	Pass
			-20	NV	8.00	0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	-5.20	-0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-7.40	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-6.30	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-20.40	-0.0054	>=-2.5 & <=2.5	Pass
			30	NV	-7.10	-0.0019	>=-2.5 & <=2.5	Pass
			40	NV	-14.80	-0.0039	>=-2.5 & <=2.5	Pass
			50	NV	-13.90	-0.0037	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3750	Outer_Full	20	LV	-16.50	-0.0044	>=-2.5 & <=2.5	Pass
				HV	-14.60	-0.0039	>=-2.5 & <=2.5	Pass
			-30	NV	-9.70	-0.0026	>=-2.5 & <=2.5	Pass
			-20	NV	-7.10	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-6.20	-0.0017	>=-2.5 & <=2.5	Pass
			0	NV	15.00	0.0040	>=-2.5 & <=2.5	Pass
			10	NV	-8.10	-0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-9.90	-0.0026	>=-2.5 & <=2.5	Pass
			30	NV	-7.10	-0.0019	>=-2.5 & <=2.5	Pass
			40	NV	7.10	0.0019	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3750	Outer_Full	20	LV	-7.70	-0.0021	>=-2.5 & <=2.5	Pass
				HV	-19.10	-0.0051	>=-2.5 & <=2.5	Pass
			-30	NV	-9.30	-0.0025	>=-2.5 & <=2.5	Pass
			-20	NV	-19.60	-0.0052	>=-2.5 & <=2.5	Pass
			-10	NV	-8.20	-0.0022	>=-2.5 & <=2.5	Pass
			0	NV	-7.60	-0.0020	>=-2.5 & <=2.5	Pass
			10	NV	-10.80	-0.0029	>=-2.5 & <=2.5	Pass
			20	NV	-19.10	-0.0051	>=-2.5 & <=2.5	Pass
			30	NV	13.60	0.0036	>=-2.5 & <=2.5	Pass
			40	NV	-21.30	-0.0057	>=-2.5 & <=2.5	Pass
			50	NV	-5.60	-0.0015	>=-2.5 & <=2.5	Pass

2.1.9 30k_SISO_80MHz

5G NR n78a SCS=30kHz SISO 80MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	3750	Outer_Full	20	LV	-10.20	-0.0027	>=-2.5 & <=2.5	Pass
				HV	5.90	0.0016	>=-2.5 & <=2.5	Pass
			-30	NV	8.50	0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	-13.40	-0.0036	>=-2.5 & <=2.5	Pass
			-10	NV	-33.30	-0.0089	>=-2.5 & <=2.5	Pass
			0	NV	-13.60	-0.0036	>=-2.5 & <=2.5	Pass
			10	NV	3.00	0.0008	>=-2.5 & <=2.5	Pass
			20	NV	18.40	0.0049	>=-2.5 & <=2.5	Pass
			30	NV	-12.70	-0.0034	>=-2.5 & <=2.5	Pass
			40	NV	4.70	0.0013	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3750	Outer_Full	20	LV	11.90	0.0032	>=-2.5 & <=2.5	Pass
				HV	-10.90	-0.0029	>=-2.5 & <=2.5	Pass
			-30	NV	-2.40	-0.0006	>=-2.5 & <=2.5	Pass
			-20	NV	-15.20	-0.0041	>=-2.5 & <=2.5	Pass
			-10	NV	5.60	0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-16.80	-0.0045	>=-2.5 & <=2.5	Pass
			10	NV	-11.40	-0.0030	>=-2.5 & <=2.5	Pass
			20	NV	-13.00	-0.0035	>=-2.5 & <=2.5	Pass

			30	NV	-5.90	-0.0016	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			40	NV	-6.10	-0.0016	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			50	NV	-13.70	-0.0037	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
DFT-s-OFDM 16 QAM	3750	Outer_Full	20	LV	-10.20	-0.0027	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
				HV	-3.10	-0.0008	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-30	NV	-7.40	-0.0020	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-20	NV	-13.70	-0.0037	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-10	NV	1.80	0.0005	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			0	NV	-8.90	-0.0024	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			10	NV	-7.90	-0.0021	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			20	NV	-14.80	-0.0039	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			30	NV	-24.90	-0.0066	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			40	NV	-3.30	-0.0009	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			50	NV	-13.10	-0.0035	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
DFT-s-OFDM 64 QAM	3750	Outer_Full	20	LV	9.80	0.0026	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
				HV	10.10	0.0027	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-30	NV	-12.20	-0.0033	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-20	NV	5.70	0.0015	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-10	NV	-13.50	-0.0036	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			0	NV	-10.90	-0.0029	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			10	NV	-5.40	-0.0014	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			20	NV	-6.70	-0.0018	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			30	NV	6.70	0.0018	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			40	NV	-11.20	-0.0030	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			50	NV	-12.70	-0.0034	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
DFT-s-OFDM 256 QAM	3750	Outer_Full	20	LV	-2.80	-0.0007	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
				HV	-14.70	-0.0039	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-30	NV	-7.60	-0.0020	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-20	NV	-11.80	-0.0031	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-10	NV	-17.80	-0.0047	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			0	NV	9.00	0.0024	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			10	NV	-22.60	-0.0060	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			20	NV	-9.00	-0.0024	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			30	NV	-9.10	-0.0024	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			40	NV	-8.30	-0.0022	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			50	NV	-16.90	-0.0045	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
CP-OFDM QPSK	3750	Outer_Full	20	LV	-8.70	-0.0023	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
				HV	-4.90	-0.0013	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-30	NV	-11.80	-0.0031	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-20	NV	-8.30	-0.0022	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-10	NV	-10.10	-0.0027	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			0	NV	-15.20	-0.0041	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			10	NV	-6.10	-0.0016	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			20	NV	-23.20	-0.0062	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			30	NV	-24.90	-0.0066	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			40	NV	-6.20	-0.0017	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			50	NV	-7.50	-0.0020	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
CP-OFDM 16 QAM	3750	Outer_Full	20	LV	-7.00	-0.0019	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
				HV	-7.70	-0.0021	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-30	NV	-10.60	-0.0028	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-20	NV	-6.40	-0.0017	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-10	NV	-3.90	-0.0010	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			0	NV	-12.60	-0.0034	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			10	NV	-14.00	-0.0037	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			20	NV	-18.00	-0.0048	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			30	NV	-4.30	-0.0011	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			40	NV	8.10	0.0022	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			50	NV	-13.70	-0.0037	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
CP-OFDM 64 QAM	3750	Outer_Full	20	LV	-14.90	-0.0040	$\geq -2.5 \text{ \& } \leq 2.5$	Pass

				HV	-11.40	-0.0030	>=-2.5 & <=2.5	Pass
			-30	NV	-13.90	-0.0037	>=-2.5 & <=2.5	Pass
			-20	NV	-8.70	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	-13.20	-0.0035	>=-2.5 & <=2.5	Pass
			0	NV	-10.50	-0.0028	>=-2.5 & <=2.5	Pass
			10	NV	-1.90	-0.0005	>=-2.5 & <=2.5	Pass
			20	NV	-22.00	-0.0059	>=-2.5 & <=2.5	Pass
			30	NV	-13.30	-0.0035	>=-2.5 & <=2.5	Pass
			40	NV	3.50	0.0009	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3750	Outer_Full	50	NV	-11.50	-0.0031	>=-2.5 & <=2.5	Pass
			20	LV	-11.30	-0.0030	>=-2.5 & <=2.5	Pass
				HV	-19.70	-0.0053	>=-2.5 & <=2.5	Pass
			-30	NV	-11.40	-0.0030	>=-2.5 & <=2.5	Pass
			-20	NV	-7.30	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-9.70	-0.0026	>=-2.5 & <=2.5	Pass
			0	NV	-17.50	-0.0047	>=-2.5 & <=2.5	Pass
			10	NV	-9.40	-0.0025	>=-2.5 & <=2.5	Pass
			20	NV	6.20	0.0017	>=-2.5 & <=2.5	Pass
			30	NV	-15.80	-0.0042	>=-2.5 & <=2.5	Pass
			40	NV	-6.40	-0.0017	>=-2.5 & <=2.5	Pass
			50	NV	-13.10	-0.0035	>=-2.5 & <=2.5	Pass

2.1.10 30k_SISO_90MHz

5G NR n78a SCS=30kHz SISO 90MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	3750	Outer_Full	20	LV	-9.80	-0.0026	>=-2.5 & <=2.5	Pass
				HV	-9.90	-0.0026	>=-2.5 & <=2.5	Pass
			-30	NV	-10.30	-0.0027	>=-2.5 & <=2.5	Pass
			-20	NV	-5.30	-0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	5.70	0.0015	>=-2.5 & <=2.5	Pass
			0	NV	5.60	0.0015	>=-2.5 & <=2.5	Pass
			10	NV	8.90	0.0024	>=-2.5 & <=2.5	Pass
			20	NV	6.20	0.0017	>=-2.5 & <=2.5	Pass
			30	NV	3.20	0.0009	>=-2.5 & <=2.5	Pass
			40	NV	-4.60	-0.0012	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3750	Outer_Full	50	NV	-7.70	-0.0021	>=-2.5 & <=2.5	Pass
			20	LV	7.10	0.0019	>=-2.5 & <=2.5	Pass
				HV	-6.70	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	13.10	0.0035	>=-2.5 & <=2.5	Pass
			-20	NV	-10.50	-0.0028	>=-2.5 & <=2.5	Pass
			-10	NV	-3.40	-0.0009	>=-2.5 & <=2.5	Pass
			0	NV	8.40	0.0022	>=-2.5 & <=2.5	Pass
			10	NV	-10.80	-0.0029	>=-2.5 & <=2.5	Pass
			20	NV	-3.90	-0.0010	>=-2.5 & <=2.5	Pass
			30	NV	-7.10	-0.0019	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3750	Outer_Full	40	NV	14.10	0.0038	>=-2.5 & <=2.5	Pass
			50	NV	-13.00	-0.0035	>=-2.5 & <=2.5	Pass
			20	LV	-7.80	-0.0021	>=-2.5 & <=2.5	Pass
				HV	8.00	0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	4.60	0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	11.50	0.0031	>=-2.5 & <=2.5	Pass
			-10	NV	4.10	0.0011	>=-2.5 & <=2.5	Pass
			0	NV	4.80	0.0013	>=-2.5 & <=2.5	Pass
			10	NV	5.00	0.0013	>=-2.5 & <=2.5	Pass
			20	NV	-8.40	-0.0022	>=-2.5 & <=2.5	Pass

			30	NV	-14.60	-0.0039	>=-2.5 & <=2.5	Pass
			40	NV	-10.20	-0.0027	>=-2.5 & <=2.5	Pass
			50	NV	-6.10	-0.0016	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3750	Outer_Full	20	LV	-11.70	-0.0031	>=-2.5 & <=2.5	Pass
				HV	6.70	0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-6.20	-0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	-15.10	-0.0040	>=-2.5 & <=2.5	Pass
			-10	NV	-23.20	-0.0062	>=-2.5 & <=2.5	Pass
			0	NV	-9.00	-0.0024	>=-2.5 & <=2.5	Pass
			10	NV	-15.40	-0.0041	>=-2.5 & <=2.5	Pass
			20	NV	6.00	0.0016	>=-2.5 & <=2.5	Pass
			30	NV	-11.70	-0.0031	>=-2.5 & <=2.5	Pass
			40	NV	-6.20	-0.0017	>=-2.5 & <=2.5	Pass
			50	NV	-9.60	-0.0026	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 256 QAM	3750	Outer_Full	20	LV	7.70	0.0021	>=-2.5 & <=2.5	Pass
				HV	21.90	0.0058	>=-2.5 & <=2.5	Pass
			-30	NV	-4.60	-0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	-12.20	-0.0033	>=-2.5 & <=2.5	Pass
			-10	NV	-11.50	-0.0031	>=-2.5 & <=2.5	Pass
			0	NV	-12.70	-0.0034	>=-2.5 & <=2.5	Pass
			10	NV	13.60	0.0036	>=-2.5 & <=2.5	Pass
			20	NV	7.40	0.0020	>=-2.5 & <=2.5	Pass
			30	NV	-4.90	-0.0013	>=-2.5 & <=2.5	Pass
			40	NV	-10.50	-0.0028	>=-2.5 & <=2.5	Pass
			50	NV	-13.80	-0.0037	>=-2.5 & <=2.5	Pass
CP-OFDM QPSK	3750	Outer_Full	20	LV	7.30	0.0019	>=-2.5 & <=2.5	Pass
				HV	-7.40	-0.0020	>=-2.5 & <=2.5	Pass
			-30	NV	-12.80	-0.0034	>=-2.5 & <=2.5	Pass
			-20	NV	-13.70	-0.0037	>=-2.5 & <=2.5	Pass
			-10	NV	5.30	0.0014	>=-2.5 & <=2.5	Pass
			0	NV	-12.00	-0.0032	>=-2.5 & <=2.5	Pass
			10	NV	9.20	0.0025	>=-2.5 & <=2.5	Pass
			20	NV	-5.40	-0.0014	>=-2.5 & <=2.5	Pass
			30	NV	-15.00	-0.0040	>=-2.5 & <=2.5	Pass
			40	NV	-19.30	-0.0051	>=-2.5 & <=2.5	Pass
			50	NV	-5.00	-0.0013	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3750	Outer_Full	20	LV	-13.60	-0.0036	>=-2.5 & <=2.5	Pass
				HV	-7.70	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-5.90	-0.0016	>=-2.5 & <=2.5	Pass
			-20	NV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
			0	NV	4.30	0.0011	>=-2.5 & <=2.5	Pass
			10	NV	7.90	0.0021	>=-2.5 & <=2.5	Pass
			20	NV	-5.50	-0.0015	>=-2.5 & <=2.5	Pass
			30	NV	-19.20	-0.0051	>=-2.5 & <=2.5	Pass
			40	NV	-12.30	-0.0033	>=-2.5 & <=2.5	Pass
			50	NV	11.00	0.0029	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	3750	Outer_Full	20	LV	-11.50	-0.0031	>=-2.5 & <=2.5	Pass
				HV	-10.30	-0.0027	>=-2.5 & <=2.5	Pass
			-30	NV	3.30	0.0009	>=-2.5 & <=2.5	Pass
			-20	NV	-4.10	-0.0011	>=-2.5 & <=2.5	Pass
			-10	NV	-12.40	-0.0033	>=-2.5 & <=2.5	Pass
			0	NV	-24.60	-0.0066	>=-2.5 & <=2.5	Pass
			10	NV	4.30	0.0011	>=-2.5 & <=2.5	Pass
			20	NV	-12.40	-0.0033	>=-2.5 & <=2.5	Pass
			30	NV	-18.90	-0.0050	>=-2.5 & <=2.5	Pass
			40	NV	-18.10	-0.0048	>=-2.5 & <=2.5	Pass
			50	NV	-12.00	-0.0032	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3750	Outer_Full	20	LV	-11.90	-0.0032	>=-2.5 & <=2.5	Pass

				HV	-8.00	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-6.20	-0.0017	>=-2.5 & <=2.5	Pass
			-20	NV	-8.60	-0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	5.00	0.0013	>=-2.5 & <=2.5	Pass
			0	NV	3.90	0.0010	>=-2.5 & <=2.5	Pass
			10	NV	8.00	0.0021	>=-2.5 & <=2.5	Pass
			20	NV	-11.30	-0.0030	>=-2.5 & <=2.5	Pass
			30	NV	-8.50	-0.0023	>=-2.5 & <=2.5	Pass
			40	NV	-7.00	-0.0019	>=-2.5 & <=2.5	Pass
			50	NV	9.10	0.0024	>=-2.5 & <=2.5	Pass

2.1.11 30k_SISO_100MHz

5G NR n78a SCS=30kHz SISO 100MHz								
Modulation	Frequency (MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Freq. vs. rated (ppm)		Verdict
						Result	Limit	
DFT-s-OFDM PI/2 BPSK	3750	Outer_Full	20	LV	-6.00	-0.0016	>=-2.5 & <=2.5	Pass
				HV	11.60	0.0031	>=-2.5 & <=2.5	Pass
			-30	NV	-6.60	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	13.10	0.0035	>=-2.5 & <=2.5	Pass
			-10	NV	5.20	0.0014	>=-2.5 & <=2.5	Pass
			0	NV	7.50	0.0020	>=-2.5 & <=2.5	Pass
			10	NV	22.70	0.0061	>=-2.5 & <=2.5	Pass
			20	NV	-12.20	-0.0033	>=-2.5 & <=2.5	Pass
			30	NV	10.30	0.0027	>=-2.5 & <=2.5	Pass
			40	NV	14.30	0.0038	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	3750	Outer_Full	20	LV	16.30	0.0043	>=-2.5 & <=2.5	Pass
				HV	6.20	0.0017	>=-2.5 & <=2.5	Pass
			-30	NV	-4.40	-0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	8.50	0.0023	>=-2.5 & <=2.5	Pass
			-10	NV	16.50	0.0044	>=-2.5 & <=2.5	Pass
			0	NV	-9.10	-0.0024	>=-2.5 & <=2.5	Pass
			10	NV	11.30	0.0030	>=-2.5 & <=2.5	Pass
			20	NV	-7.40	-0.0020	>=-2.5 & <=2.5	Pass
			30	NV	-18.30	-0.0049	>=-2.5 & <=2.5	Pass
			40	NV	-17.30	-0.0046	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	3750	Outer_Full	20	LV	7.80	0.0021	>=-2.5 & <=2.5	Pass
				HV	-6.60	-0.0018	>=-2.5 & <=2.5	Pass
			-30	NV	-13.20	-0.0035	>=-2.5 & <=2.5	Pass
			-20	NV	-7.80	-0.0021	>=-2.5 & <=2.5	Pass
			-10	NV	4.00	0.0011	>=-2.5 & <=2.5	Pass
			0	NV	-22.50	-0.0060	>=-2.5 & <=2.5	Pass
			10	NV	13.40	0.0036	>=-2.5 & <=2.5	Pass
			20	NV	10.40	0.0028	>=-2.5 & <=2.5	Pass
			30	NV	6.70	0.0018	>=-2.5 & <=2.5	Pass
			40	NV	-4.80	-0.0013	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	3750	Outer_Full	20	LV	-10.40	-0.0028	>=-2.5 & <=2.5	Pass
				HV	8.60	0.0023	>=-2.5 & <=2.5	Pass
			-30	NV	-10.70	-0.0029	>=-2.5 & <=2.5	Pass
			-20	NV	-11.90	-0.0032	>=-2.5 & <=2.5	Pass
			-10	NV	-5.80	-0.0015	>=-2.5 & <=2.5	Pass
			0	NV	18.70	0.0050	>=-2.5 & <=2.5	Pass
			10	NV	19.80	0.0053	>=-2.5 & <=2.5	Pass
			20	NV	-5.70	-0.0015	>=-2.5 & <=2.5	Pass

			30	NV	13.70	0.0037	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-3.40	-0.0009	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	4.80	0.0013	$\geq -2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM 256 QAM	3750	Outer_Full	20	LV	-9.70	-0.0026	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	6.90	0.0018	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-9.70	-0.0026	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-7.70	-0.0021	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-12.00	-0.0032	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	14.00	0.0037	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	17.20	0.0046	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	4.50	0.0012	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-3.40	-0.0009	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-10.80	-0.0029	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-9.10	-0.0024	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM QPSK	3750	Outer_Full	20	LV	6.40	0.0017	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-5.30	-0.0014	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	8.60	0.0023	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-7.00	-0.0019	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-2.40	-0.0006	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	15.70	0.0042	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	14.00	0.0037	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-11.40	-0.0030	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-7.10	-0.0019	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-6.50	-0.0017	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 16 QAM	3750	Outer_Full	50	NV	-5.80	-0.0015	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	LV	-19.60	-0.0052	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-4.00	-0.0011	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-18.90	-0.0050	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	14.50	0.0039	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-8.80	-0.0023	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	12.00	0.0032	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	3.20	0.0009	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-12.70	-0.0034	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-16.60	-0.0044	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 64 QAM	3750	Outer_Full	40	NV	-12.50	-0.0033	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-9.50	-0.0025	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	LV	-15.90	-0.0042	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	5.00	0.0013	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-16.80	-0.0045	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-7.90	-0.0021	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	3.70	0.0010	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-7.60	-0.0020	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	17.90	0.0048	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-16.90	-0.0045	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 256 QAM	3750	Outer_Full	30	NV	9.90	0.0026	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-9.80	-0.0026	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-9.00	-0.0024	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	LV	-6.80	-0.0018	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-8.30	-0.0022	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	10.80	0.0029	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-16.10	-0.0043	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	9.70	0.0026	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	19.30	0.0051	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-9.20	-0.0025	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-7.50	-0.0020	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-8.10	-0.0022	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-4.60	-0.0012	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-18.30	-0.0049	$\geq -2.5 \ \& \ \leq 2.5$	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 30k_SISO_10MHz_NTNV

5G NR n78a SCS=30kHz SISO 10MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3705	Outer_Full	8.66	9.90	/	Pass
	3750	Outer_Full	8.71	10.19	/	Pass
	3795	Outer_Full	8.68	10.05	/	Pass
DFT-s-OFDM QPSK	3705	Outer_Full	8.60	9.64	/	Pass
	3750	Outer_Full	8.74	9.92	/	Pass
	3795	Outer_Full	8.63	9.74	/	Pass
DFT-s-OFDM 16 QAM	3705	Outer_Full	8.63	9.45	/	Pass
	3750	Outer_Full	8.75	9.62	/	Pass
	3795	Outer_Full	8.70	10.08	/	Pass
DFT-s-OFDM 64 QAM	3705	Outer_Full	8.66	9.82	/	Pass
	3750	Outer_Full	8.78	9.91	/	Pass
	3795	Outer_Full	8.63	9.62	/	Pass
DFT-s-OFDM 256 QAM	3705	Outer_Full	8.72	9.27	/	Pass
	3750	Outer_Full	8.70	9.97	/	Pass
	3795	Outer_Full	8.70	10.11	/	Pass
CP-OFDM QPSK	3705	Outer_Full	8.67	9.89	/	Pass
	3750	Outer_Full	8.70	9.41	/	Pass
	3795	Outer_Full	8.68	10.17	/	Pass
CP-OFDM 16 QAM	3705	Outer_Full	8.68	9.92	/	Pass
	3750	Outer_Full	8.76	9.81	/	Pass
	3795	Outer_Full	8.70	9.87	/	Pass
CP-OFDM 64 QAM	3705	Outer_Full	8.73	9.89	/	Pass
	3750	Outer_Full	8.73	9.53	/	Pass
	3795	Outer_Full	8.69	9.87	/	Pass
CP-OFDM 256 QAM	3705	Outer_Full	8.72	10.19	/	Pass
	3750	Outer_Full	8.65	9.45	/	Pass
	3795	Outer_Full	8.70	9.55	/	Pass

3.1.2 30k_SISO_15MHz_NTNV

5G NR n78a SCS=30kHz SISO 15MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3707.52	Outer_Full	13.04	14.11	/	Pass
	3750	Outer_Full	13.00	14.20	/	Pass
	3792.48	Outer_Full	13.06	14.08	/	Pass
DFT-s-OFDM QPSK	3707.52	Outer_Full	13.00	14.40	/	Pass
	3750	Outer_Full	12.96	14.25	/	Pass
	3792.48	Outer_Full	13.10	14.75	/	Pass
DFT-s-OFDM 16 QAM	3707.52	Outer_Full	13.07	13.99	/	Pass
	3750	Outer_Full	13.13	14.34	/	Pass
	3792.48	Outer_Full	13.12	14.54	/	Pass
DFT-s-OFDM 64 QAM	3707.52	Outer_Full	13.05	14.46	/	Pass
	3750	Outer_Full	12.99	14.11	/	Pass
	3792.48	Outer_Full	13.03	14.56	/	Pass
DFT-s-OFDM 256 QAM	3707.52	Outer_Full	12.90	13.86	/	Pass
	3750	Outer_Full	12.91	14.35	/	Pass

CP-OFDM QPSK	3792.48	Outer_Full	12.95	14.77	/	Pass
	3707.52	Outer_Full	13.66	14.92	/	Pass
	3750	Outer_Full	13.81	15.30	/	Pass
	3792.48	Outer_Full	13.73	14.91	/	Pass
CP-OFDM 16 QAM	3707.52	Outer_Full	13.86	15.47	/	Pass
	3750	Outer_Full	13.77	15.05	/	Pass
	3792.48	Outer_Full	13.84	15.38	/	Pass
CP-OFDM 64 QAM	3707.52	Outer_Full	13.77	14.65	/	Pass
	3750	Outer_Full	13.76	15.22	/	Pass
	3792.48	Outer_Full	13.77	14.81	/	Pass
CP-OFDM 256 QAM	3707.52	Outer_Full	13.71	14.91	/	Pass
	3750	Outer_Full	13.80	15.56	/	Pass
	3792.48	Outer_Full	13.71	14.95	/	Pass

3.1.3 30k_SISO_20MHz_NTNV

5G NR n78a SCS=30kHz SISO 20MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3710.01	Outer_Full	18.08	19.44	/	Pass
	3750	Outer_Full	18.16	19.51	/	Pass
	3789.99	Outer_Full	18.12	20.01	/	Pass
DFT-s-OFDM QPSK	3710.01	Outer_Full	18.06	19.75	/	Pass
	3750	Outer_Full	18.13	19.28	/	Pass
	3789.99	Outer_Full	18.27	19.44	/	Pass
DFT-s-OFDM 16 QAM	3710.01	Outer_Full	18.17	19.36	/	Pass
	3750	Outer_Full	18.18	20.02	/	Pass
	3789.99	Outer_Full	18.11	19.32	/	Pass
DFT-s-OFDM 64 QAM	3710.01	Outer_Full	18.24	20.28	/	Pass
	3750	Outer_Full	18.03	19.34	/	Pass
	3789.99	Outer_Full	18.10	19.52	/	Pass
DFT-s-OFDM 256 QAM	3710.01	Outer_Full	18.12	19.47	/	Pass
	3750	Outer_Full	18.09	19.33	/	Pass
	3789.99	Outer_Full	18.20	19.75	/	Pass
CP-OFDM QPSK	3710.01	Outer_Full	18.48	20.26	/	Pass
	3750	Outer_Full	18.42	20.19	/	Pass
	3789.99	Outer_Full	18.49	19.59	/	Pass
CP-OFDM 16 QAM	3710.01	Outer_Full	18.41	20.05	/	Pass
	3750	Outer_Full	18.36	19.68	/	Pass
	3789.99	Outer_Full	18.48	20.02	/	Pass
CP-OFDM 64 QAM	3710.01	Outer_Full	18.34	20.24	/	Pass
	3750	Outer_Full	18.45	19.91	/	Pass
	3789.99	Outer_Full	18.35	20.00	/	Pass
CP-OFDM 256 QAM	3710.01	Outer_Full	18.34	20.01	/	Pass
	3750	Outer_Full	18.36	19.62	/	Pass
	3789.99	Outer_Full	18.44	19.89	/	Pass

3.1.4 30k_SISO_30MHz_NTNV

5G NR n78a 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	3715.02	Outer_Full	27.11	29.21	/	Pass
	3750	Outer_Full	27.15	29.02	/	Pass
	3784.98	Outer_Full	27.09	29.09	/	Pass
DFT-s-OFDM QPSK	3715.02	Outer_Full	27.14	28.86	/	Pass

DFT-s-OFDM 16 QAM	3750	Outer_Full	27.16	28.64	/	Pass
	3784.98	Outer_Full	27.06	29.06	/	Pass
	3715.02	Outer_Full	27.14	28.93	/	Pass
DFT-s-OFDM 64 QAM	3750	Outer_Full	27.05	29.52	/	Pass
	3784.98	Outer_Full	27.37	28.87	/	Pass
	3715.02	Outer_Full	27.09	29.01	/	Pass
DFT-s-OFDM 256 QAM	3750	Outer_Full	27.02	29.31	/	Pass
	3784.98	Outer_Full	27.15	29.58	/	Pass
	3715.02	Outer_Full	27.07	28.84	/	Pass
CP-OFDM QPSK	3750	Outer_Full	27.13	28.86	/	Pass
	3784.98	Outer_Full	27.14	28.66	/	Pass
	3715.02	Outer_Full	28.28	30.43	/	Pass
CP-OFDM 16 QAM	3750	Outer_Full	28.12	29.94	/	Pass
	3784.98	Outer_Full	27.98	29.85	/	Pass
	3715.02	Outer_Full	28.18	30.05	/	Pass
CP-OFDM 64 QAM	3750	Outer_Full	28.24	29.99	/	Pass
	3784.98	Outer_Full	28.21	30.30	/	Pass
	3715.02	Outer_Full	27.94	30.57	/	Pass
CP-OFDM 256 QAM	3750	Outer_Full	28.15	29.96	/	Pass
	3784.98	Outer_Full	28.20	30.15	/	Pass
	3715.02	Outer_Full	28.13	30.23	/	Pass
CP-OFDM 256 QAM	3750	Outer_Full	28.26	30.34	/	Pass
	3784.98	Outer_Full	28.07	30.21	/	Pass
	3715.02	Outer_Full	28.13	30.23	/	Pass

3.1.5 30k_SISO_40MHz_NTNV

5G NR n78a SCS=30kHz SISO 40MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3720	Outer_Full	35.80	38.30	/	Pass
	3750	Outer_Full	36.15	38.52	/	Pass
	3780	Outer_Full	36.15	38.55	/	Pass
DFT-s-OFDM QPSK	3720	Outer_Full	36.11	38.63	/	Pass
	3750	Outer_Full	36.21	38.43	/	Pass
	3780	Outer_Full	35.87	38.33	/	Pass
DFT-s-OFDM 16 QAM	3720	Outer_Full	36.24	38.61	/	Pass
	3750	Outer_Full	36.07	38.32	/	Pass
	3780	Outer_Full	35.98	38.60	/	Pass
DFT-s-OFDM 64 QAM	3720	Outer_Full	35.94	38.62	/	Pass
	3750	Outer_Full	36.05	38.48	/	Pass
	3780	Outer_Full	36.19	38.56	/	Pass
DFT-s-OFDM 256 QAM	3720	Outer_Full	36.05	38.56	/	Pass
	3750	Outer_Full	36.16	38.39	/	Pass
	3780	Outer_Full	36.09	38.57	/	Pass
CP-OFDM QPSK	3720	Outer_Full	38.10	40.72	/	Pass
	3750	Outer_Full	38.13	40.72	/	Pass
	3780	Outer_Full	38.12	40.62	/	Pass
CP-OFDM 16 QAM	3720	Outer_Full	38.23	40.73	/	Pass
	3750	Outer_Full	38.12	40.76	/	Pass
	3780	Outer_Full	38.35	40.84	/	Pass
CP-OFDM 64 QAM	3720	Outer_Full	38.29	40.99	/	Pass
	3750	Outer_Full	38.24	40.64	/	Pass
	3780	Outer_Full	38.18	40.26	/	Pass
CP-OFDM 256 QAM	3720	Outer_Full	38.15	40.71	/	Pass
	3750	Outer_Full	37.97	40.53	/	Pass
	3780	Outer_Full	38.27	40.68	/	Pass

3.1.6 30k_SISO_50MHz_NTNV

5G NR n78a SCS=30kHz SISO 50MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3725.01	Outer_Full	46.05	49.20	/	Pass
	3750	Outer_Full	46.13	49.34	/	Pass
	3774.99	Outer_Full	46.21	49.14	/	Pass
DFT-s-OFDM QPSK	3725.01	Outer_Full	46.22	49.09	/	Pass
	3750	Outer_Full	45.81	49.34	/	Pass
	3774.99	Outer_Full	46.06	49.17	/	Pass
DFT-s-OFDM 16 QAM	3725.01	Outer_Full	46.21	49.13	/	Pass
	3750	Outer_Full	46.22	49.09	/	Pass
	3774.99	Outer_Full	45.95	49.17	/	Pass
DFT-s-OFDM 64 QAM	3725.01	Outer_Full	45.88	49.02	/	Pass
	3750	Outer_Full	46.16	49.20	/	Pass
	3774.99	Outer_Full	46.01	49.04	/	Pass
DFT-s-OFDM 256 QAM	3725.01	Outer_Full	45.89	49.15	/	Pass
	3750	Outer_Full	45.99	48.99	/	Pass
	3774.99	Outer_Full	46.22	49.15	/	Pass
CP-OFDM QPSK	3725.01	Outer_Full	47.80	50.88	/	Pass
	3750	Outer_Full	47.94	51.19	/	Pass
	3774.99	Outer_Full	47.92	50.94	/	Pass
CP-OFDM 16 QAM	3725.01	Outer_Full	47.74	50.83	/	Pass
	3750	Outer_Full	47.75	50.84	/	Pass
	3774.99	Outer_Full	47.85	51.23	/	Pass
CP-OFDM 64 QAM	3725.01	Outer_Full	47.51	50.95	/	Pass
	3750	Outer_Full	47.93	51.76	/	Pass
	3774.99	Outer_Full	47.77	51.04	/	Pass
CP-OFDM 256 QAM	3725.01	Outer_Full	47.84	50.90	/	Pass
	3750	Outer_Full	47.77	50.90	/	Pass
	3774.99	Outer_Full	47.80	50.74	/	Pass

3.1.7 30k_SISO_60MHz_NTNV

5G NR n78a SCS=30kHz SISO 60MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3730.02	Outer_Full	58.41	61.61	/	Pass
	3750	Outer_Full	58.14	62.03	/	Pass
	3769.98	Outer_Full	58.20	62.17	/	Pass
DFT-s-OFDM QPSK	3730.02	Outer_Full	58.41	62.01	/	Pass
	3750	Outer_Full	58.42	61.95	/	Pass
	3769.98	Outer_Full	58.14	61.80	/	Pass
DFT-s-OFDM 16 QAM	3730.02	Outer_Full	58.39	61.70	/	Pass
	3750	Outer_Full	58.31	62.21	/	Pass
	3769.98	Outer_Full	58.25	62.08	/	Pass
DFT-s-OFDM 64 QAM	3730.02	Outer_Full	58.17	62.11	/	Pass
	3750	Outer_Full	58.55	62.08	/	Pass
	3769.98	Outer_Full	58.55	62.05	/	Pass
DFT-s-OFDM 256 QAM	3730.02	Outer_Full	57.95	62.09	/	Pass
	3750	Outer_Full	58.14	61.98	/	Pass
	3769.98	Outer_Full	58.17	61.70	/	Pass
CP-OFDM QPSK	3730.02	Outer_Full	58.29	61.95	/	Pass
	3750	Outer_Full	58.26	62.01	/	Pass
	3769.98	Outer_Full	58.11	62.09	/	Pass
CP-OFDM 16 QAM	3730.02	Outer_Full	58.04	62.15	/	Pass

CP-OFDM 64 QAM	3750	Outer_Full	58.33	62.13	/	Pass
	3769.98	Outer_Full	58.41	62.09	/	Pass
	3730.02	Outer_Full	58.32	62.12	/	Pass
	3750	Outer_Full	58.43	63.03	/	Pass
	3769.98	Outer_Full	58.12	62.17	/	Pass
CP-OFDM 256 QAM	3730.02	Outer_Full	58.19	62.19	/	Pass
	3750	Outer_Full	58.15	62.11	/	Pass
	3769.98	Outer_Full	58.22	62.22	/	Pass

3.1.8 30k_SISO_70MHz_NTNV

5G NR n78a 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	3735	Outer_Full	64.96	69.24	/	Pass
	3750	Outer_Full	64.79	69.36	/	Pass
	3765	Outer_Full	65.01	69.24	/	Pass
DFT-s-OFDM QPSK	3735	Outer_Full	64.55	69.18	/	Pass
	3750	Outer_Full	64.22	69.02	/	Pass
	3765	Outer_Full	64.57	69.21	/	Pass
DFT-s-OFDM 16 QAM	3735	Outer_Full	64.98	69.32	/	Pass
	3750	Outer_Full	64.66	69.19	/	Pass
	3765	Outer_Full	65.16	69.49	/	Pass
DFT-s-OFDM 64 QAM	3735	Outer_Full	65.02	69.29	/	Pass
	3750	Outer_Full	64.77	69.17	/	Pass
	3765	Outer_Full	64.99	68.76	/	Pass
DFT-s-OFDM 256 QAM	3735	Outer_Full	64.86	69.15	/	Pass
	3750	Outer_Full	64.81	69.29	/	Pass
	3765	Outer_Full	64.82	69.45	/	Pass
CP-OFDM QPSK	3735	Outer_Full	67.88	72.39	/	Pass
	3750	Outer_Full	67.90	72.77	/	Pass
	3765	Outer_Full	68.08	72.34	/	Pass
CP-OFDM 16 QAM	3735	Outer_Full	68.14	72.30	/	Pass
	3750	Outer_Full	68.48	74.88	/	Pass
	3765	Outer_Full	68.04	74.16	/	Pass
CP-OFDM 64 QAM	3735	Outer_Full	68.22	72.60	/	Pass
	3750	Outer_Full	67.91	72.80	/	Pass
	3765	Outer_Full	68.13	73.07	/	Pass
CP-OFDM 256 QAM	3735	Outer_Full	67.98	72.30	/	Pass
	3750	Outer_Full	67.83	72.18	/	Pass
	3765	Outer_Full	67.88	72.54	/	Pass

3.1.9 30k_SISO_80MHz_NTNV

5G NR n78a 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	3740.01	Outer_Full	77.55	82.64	/	Pass
	3750	Outer_Full	77.63	82.95	/	Pass
	3759.99	Outer_Full	77.60	82.96	/	Pass
DFT-s-OFDM QPSK	3740.01	Outer_Full	77.43	82.45	/	Pass
	3750	Outer_Full	77.42	82.09	/	Pass
	3759.99	Outer_Full	77.58	82.15	/	Pass
DFT-s-OFDM 16 QAM	3740.01	Outer_Full	77.71	82.70	/	Pass
	3750	Outer_Full	77.64	82.80	/	Pass
	3759.99	Outer_Full	77.62	82.98	/	Pass

DFT-s-OFDM 64 QAM	3740.01	Outer_Full	78.00	82.96	/	Pass
	3750	Outer_Full	77.75	82.95	/	Pass
	3759.99	Outer_Full	77.47	82.68	/	Pass
DFT-s-OFDM 256 QAM	3740.01	Outer_Full	77.64	82.42	/	Pass
	3750	Outer_Full	77.27	82.28	/	Pass
	3759.99	Outer_Full	77.76	82.72	/	Pass
CP-OFDM QPSK	3740.01	Outer_Full	77.91	83.50	/	Pass
	3750	Outer_Full	78.08	83.32	/	Pass
	3759.99	Outer_Full	77.59	83.20	/	Pass
CP-OFDM 16 QAM	3740.01	Outer_Full	77.91	83.16	/	Pass
	3750	Outer_Full	78.29	83.04	/	Pass
	3759.99	Outer_Full	77.95	83.21	/	Pass
CP-OFDM 64 QAM	3740.01	Outer_Full	78.03	83.70	/	Pass
	3750	Outer_Full	77.78	83.42	/	Pass
	3759.99	Outer_Full	78.19	83.28	/	Pass
CP-OFDM 256 QAM	3740.01	Outer_Full	77.77	83.50	/	Pass
	3750	Outer_Full	77.92	83.03	/	Pass
	3759.99	Outer_Full	77.72	83.04	/	Pass

3.1.10 30k_SISO_90MHz_NTNV

5G NR n78a 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	3745.02	Outer_Full	87.23	92.85	/	Pass
	3750	Outer_Full	87.28	92.57	/	Pass
	3754.98	Outer_Full	87.37	92.92	/	Pass
DFT-s-OFDM QPSK	3745.02	Outer_Full	87.60	92.73	/	Pass
	3750	Outer_Full	87.45	92.94	/	Pass
	3754.98	Outer_Full	87.56	92.73	/	Pass
DFT-s-OFDM 16 QAM	3745.02	Outer_Full	87.30	93.03	/	Pass
	3750	Outer_Full	87.17	92.98	/	Pass
	3754.98	Outer_Full	86.53	93.01	/	Pass
DFT-s-OFDM 64 QAM	3745.02	Outer_Full	87.41	92.42	/	Pass
	3750	Outer_Full	86.88	92.84	/	Pass
	3754.98	Outer_Full	86.97	92.97	/	Pass
DFT-s-OFDM 256 QAM	3745.02	Outer_Full	87.46	92.83	/	Pass
	3750	Outer_Full	87.07	93.05	/	Pass
	3754.98	Outer_Full	87.03	92.39	/	Pass
CP-OFDM QPSK	3745.02	Outer_Full	87.33	93.65	/	Pass
	3750	Outer_Full	87.78	93.54	/	Pass
	3754.98	Outer_Full	88.02	93.80	/	Pass
CP-OFDM 16 QAM	3745.02	Outer_Full	88.05	93.23	/	Pass
	3750	Outer_Full	87.97	93.69	/	Pass
	3754.98	Outer_Full	88.04	93.72	/	Pass
CP-OFDM 64 QAM	3745.02	Outer_Full	88.26	93.67	/	Pass
	3750	Outer_Full	87.93	93.53	/	Pass
	3754.98	Outer_Full	88.20	94.02	/	Pass
CP-OFDM 256 QAM	3745.02	Outer_Full	88.05	93.59	/	Pass
	3750	Outer_Full	87.76	93.74	/	Pass
	3754.98	Outer_Full	88.02	93.91	/	Pass

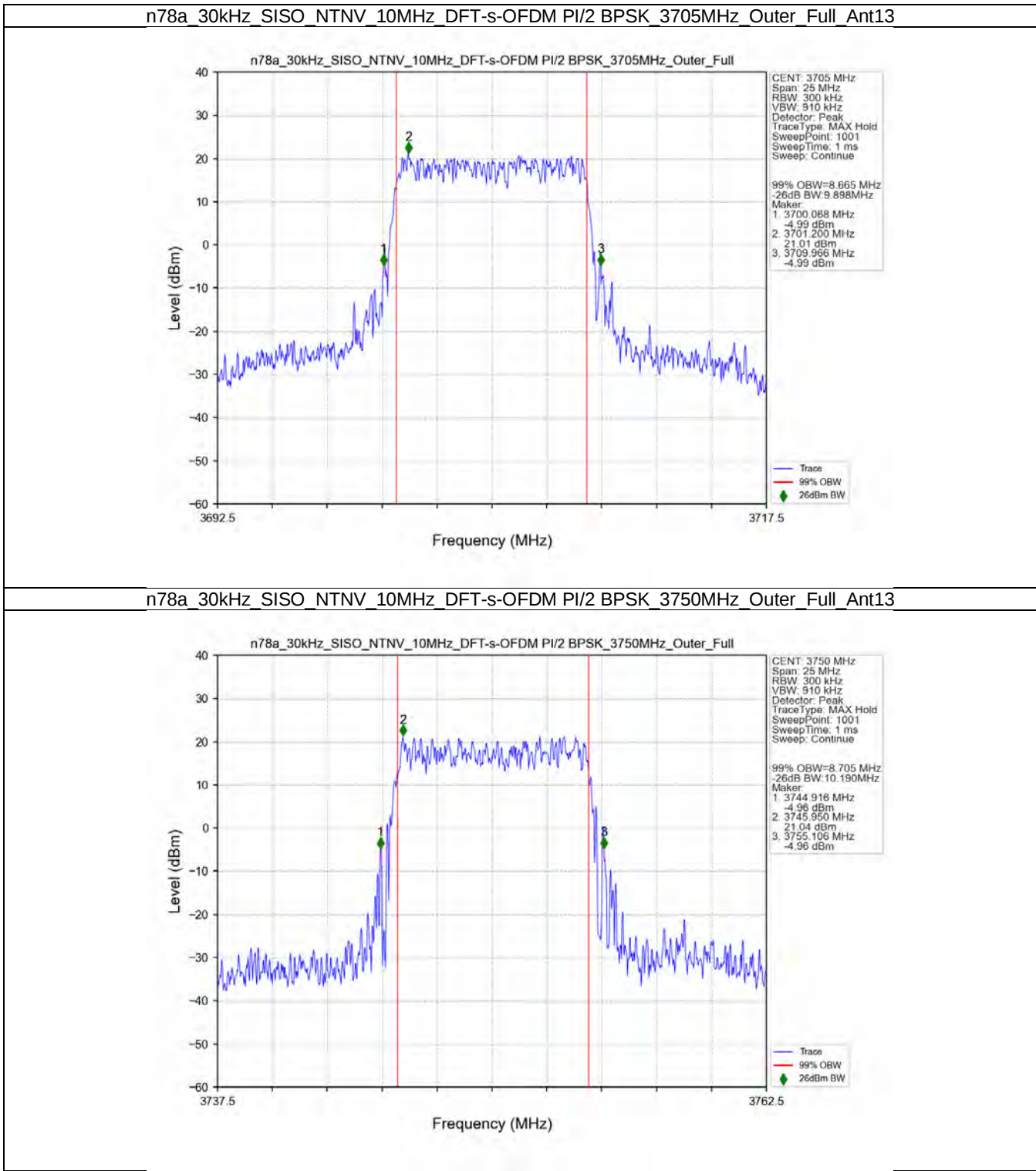
3.1.11 30k_SISO_100MHz_NTNV

5G NR n78a SCS=30kHz SISO 100MHz NTN						
Modulation	Frequency	RB	99% Bandwidth	26dB Bandwidth	Limit	Verdict

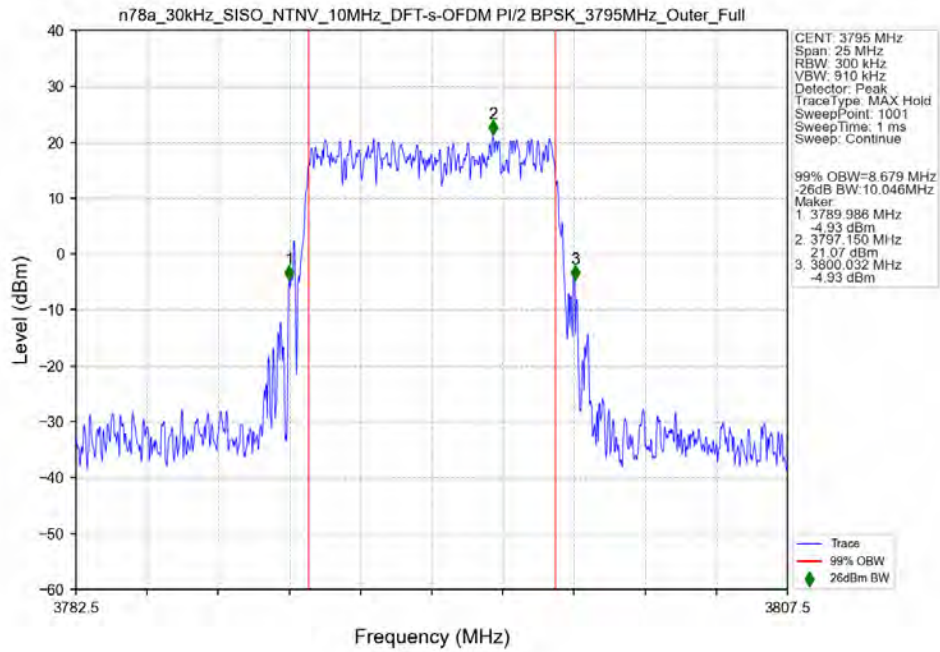
	(MHz)	Allocation	(MHz)	(MHz)	(MHz)	
DFT-s-OFDM PI/2 BPSK	3750	Outer_Full	96.86	103.47	/	Pass
	3750	Outer_Full	96.63	103.61	/	Pass
	3750	Outer_Full	96.43	103.76	/	Pass
DFT-s-OFDM QPSK	3750	Outer_Full	97.62	103.26	/	Pass
	3750	Outer_Full	97.05	103.25	/	Pass
	3750	Outer_Full	96.99	103.18	/	Pass
DFT-s-OFDM 16 QAM	3750	Outer_Full	96.71	103.36	/	Pass
	3750	Outer_Full	97.34	103.43	/	Pass
	3750	Outer_Full	97.19	103.46	/	Pass
DFT-s-OFDM 64 QAM	3750	Outer_Full	97.11	102.83	/	Pass
	3750	Outer_Full	96.98	103.03	/	Pass
	3750	Outer_Full	97.20	103.14	/	Pass
DFT-s-OFDM 256 QAM	3750	Outer_Full	97.17	103.33	/	Pass
	3750	Outer_Full	96.95	102.98	/	Pass
	3750	Outer_Full	97.01	103.48	/	Pass
CP-OFDM QPSK	3750	Outer_Full	97.78	104.39	/	Pass
	3750	Outer_Full	97.74	104.33	/	Pass
	3750	Outer_Full	97.90	104.00	/	Pass
CP-OFDM 16 QAM	3750	Outer_Full	97.94	104.28	/	Pass
	3750	Outer_Full	97.79	104.54	/	Pass
	3750	Outer_Full	98.32	104.22	/	Pass
CP-OFDM 64 QAM	3750	Outer_Full	97.92	104.49	/	Pass
	3750	Outer_Full	97.92	104.55	/	Pass
	3750	Outer_Full	97.89	104.65	/	Pass
CP-OFDM 256 QAM	3750	Outer_Full	98.18	104.17	/	Pass
	3750	Outer_Full	97.90	104.27	/	Pass
	3750	Outer_Full	97.77	104.59	/	Pass

3.2 Test Graph

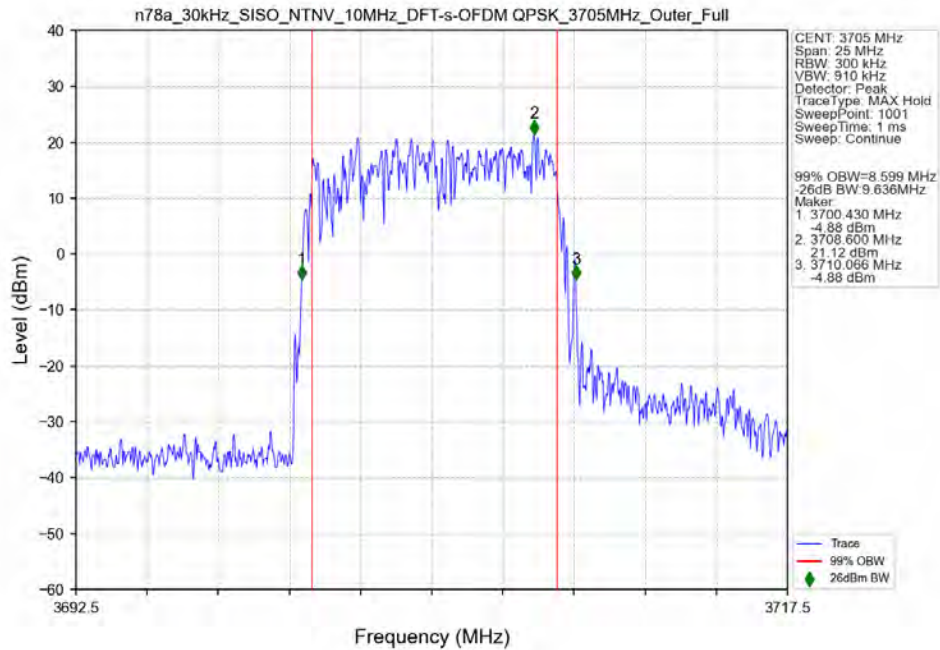
3.2.1 30k_SISO_10MHz_NTNV



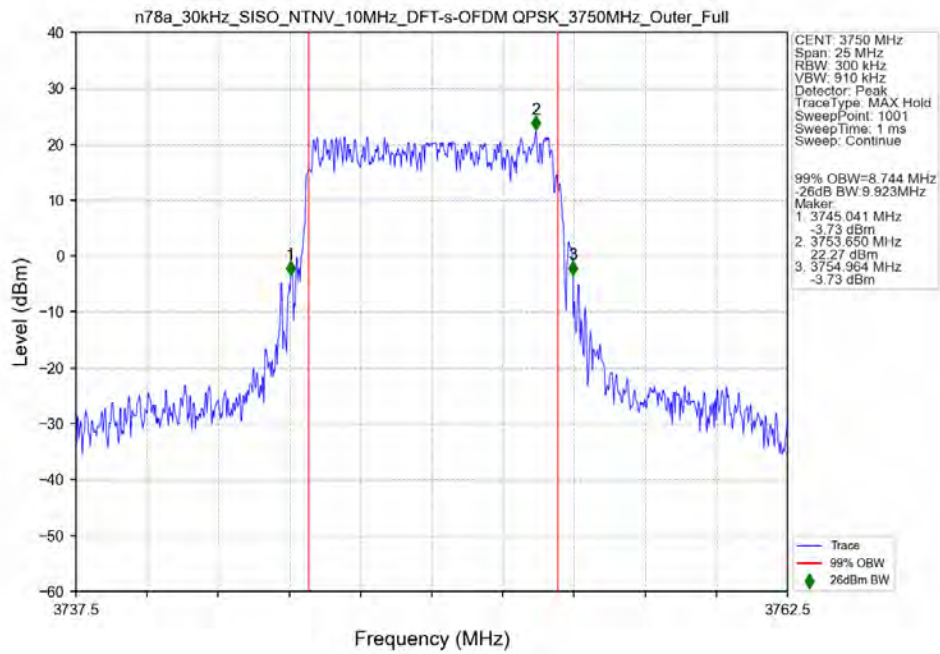
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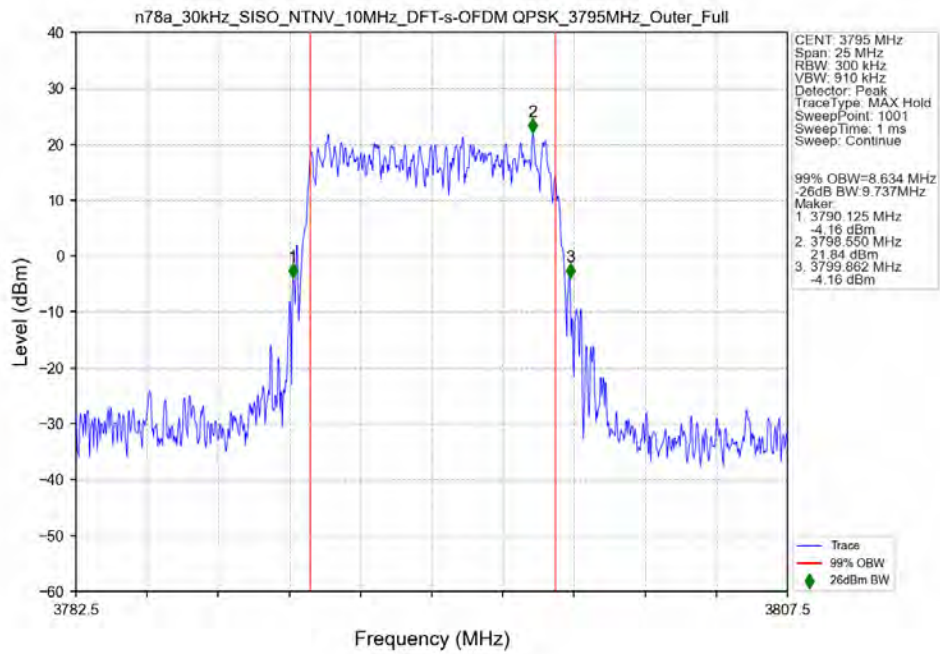
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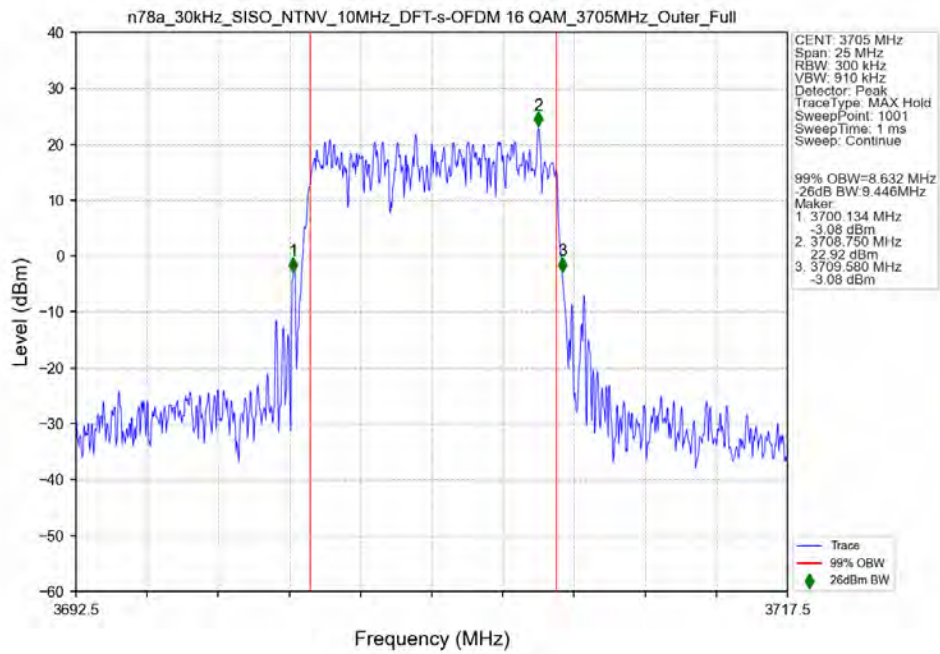
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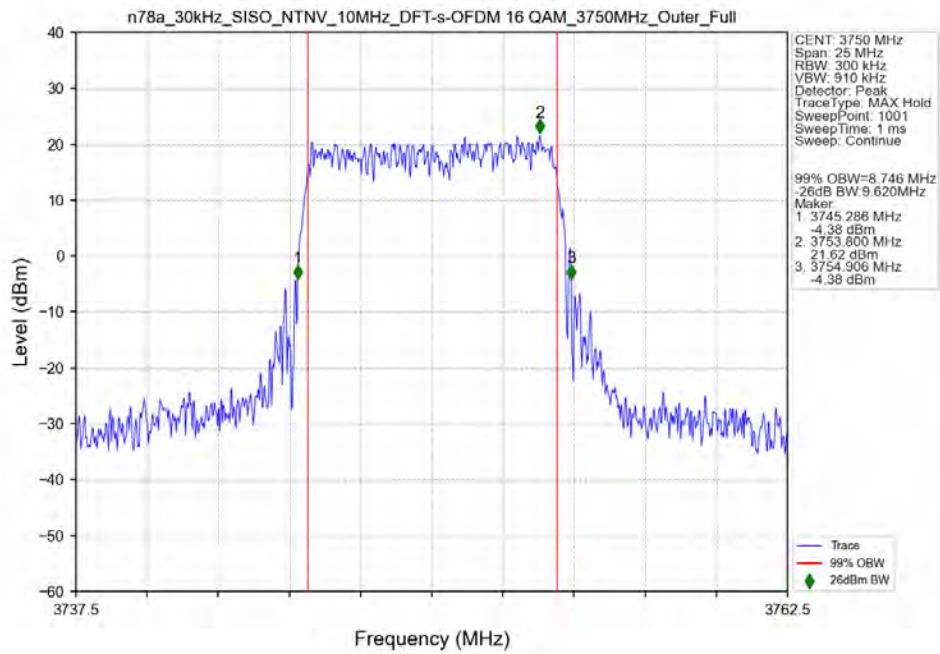
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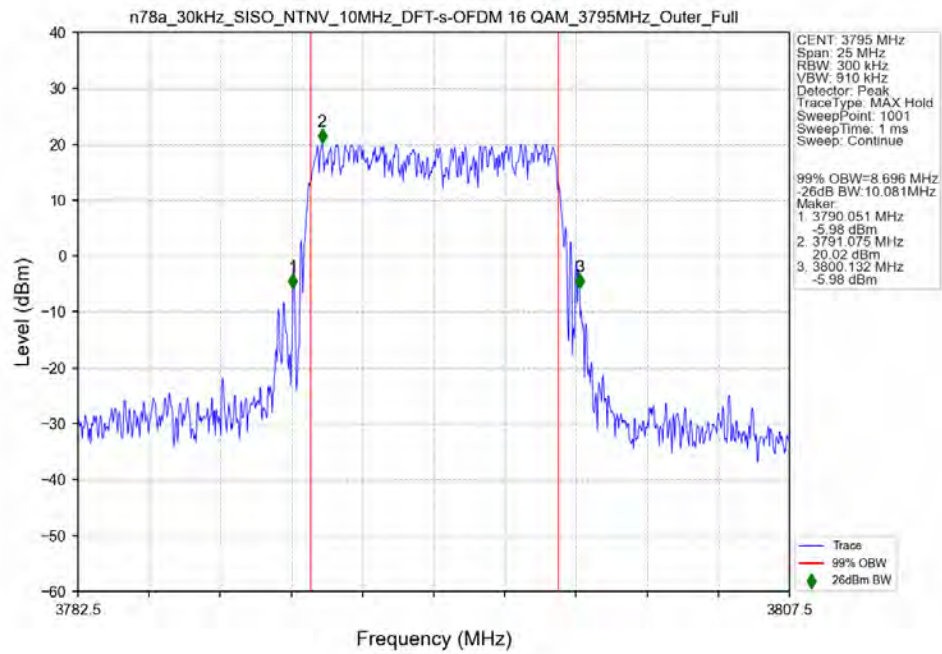
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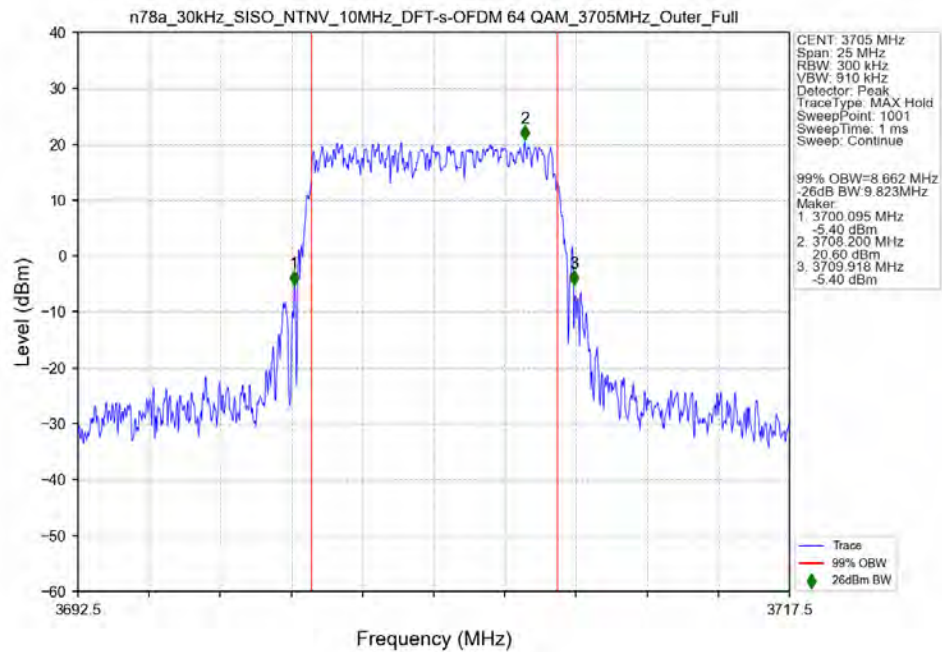
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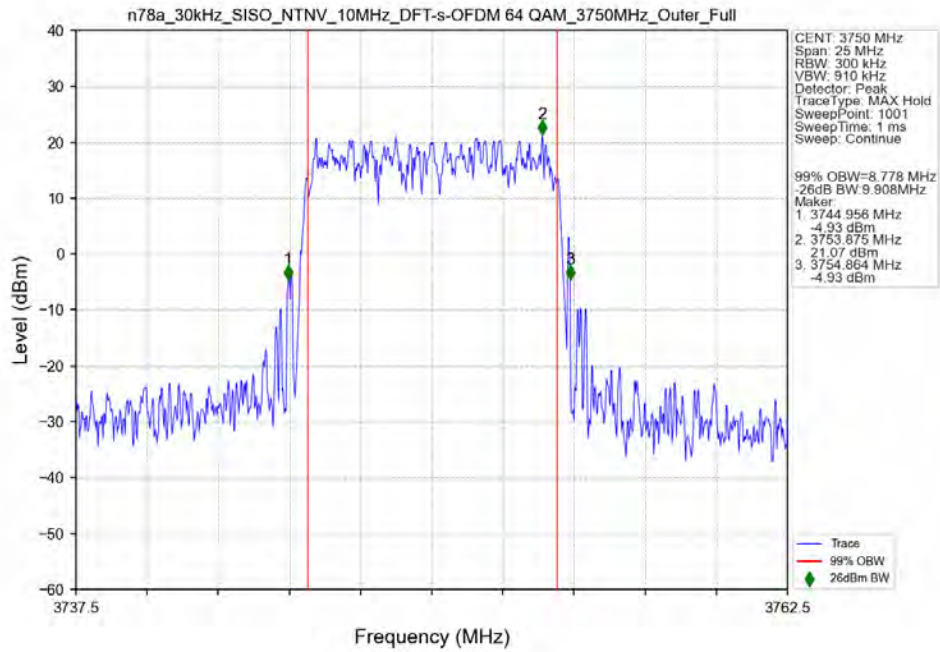
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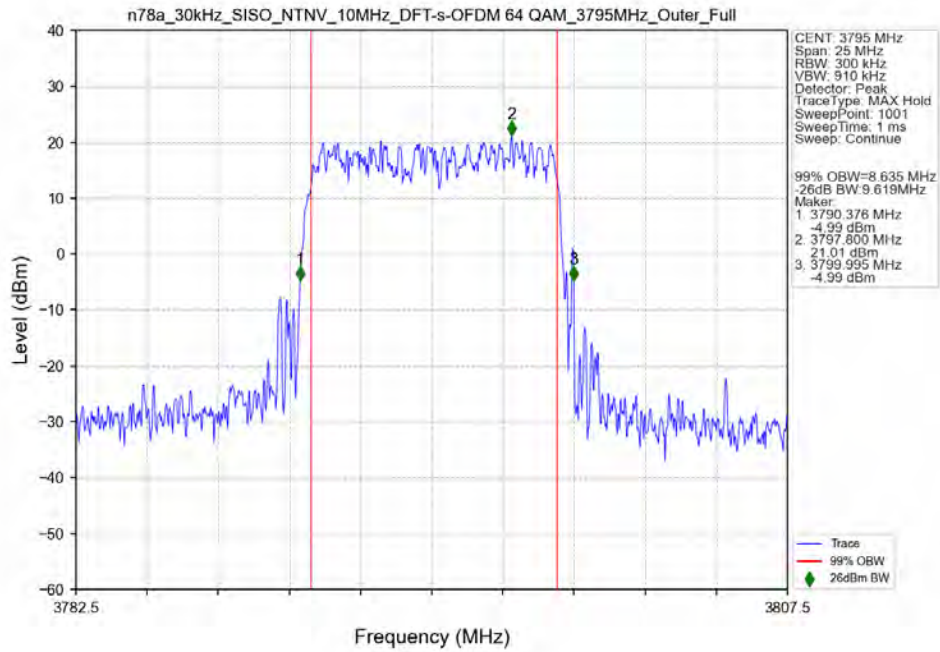
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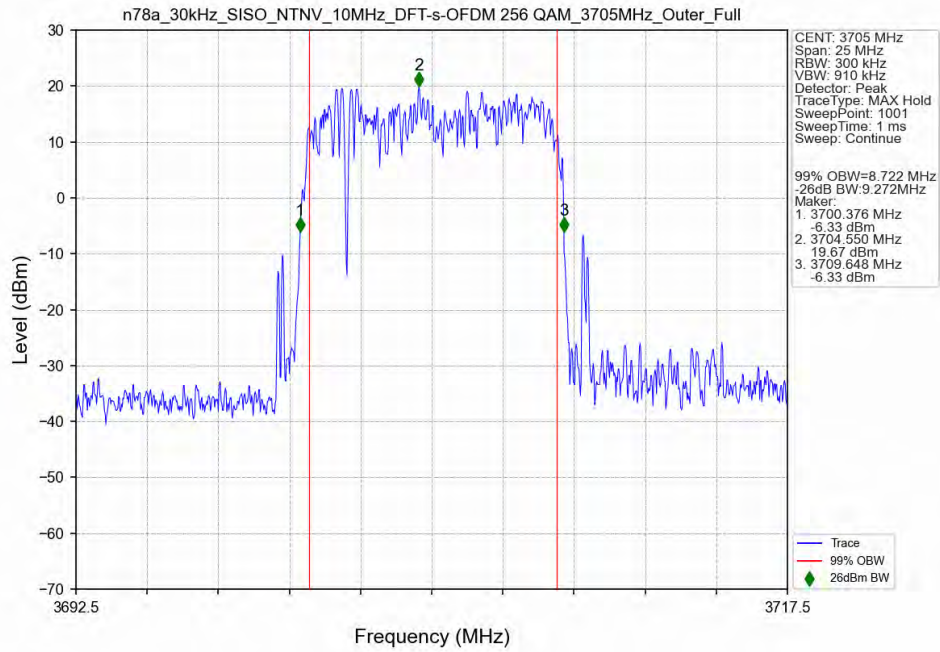
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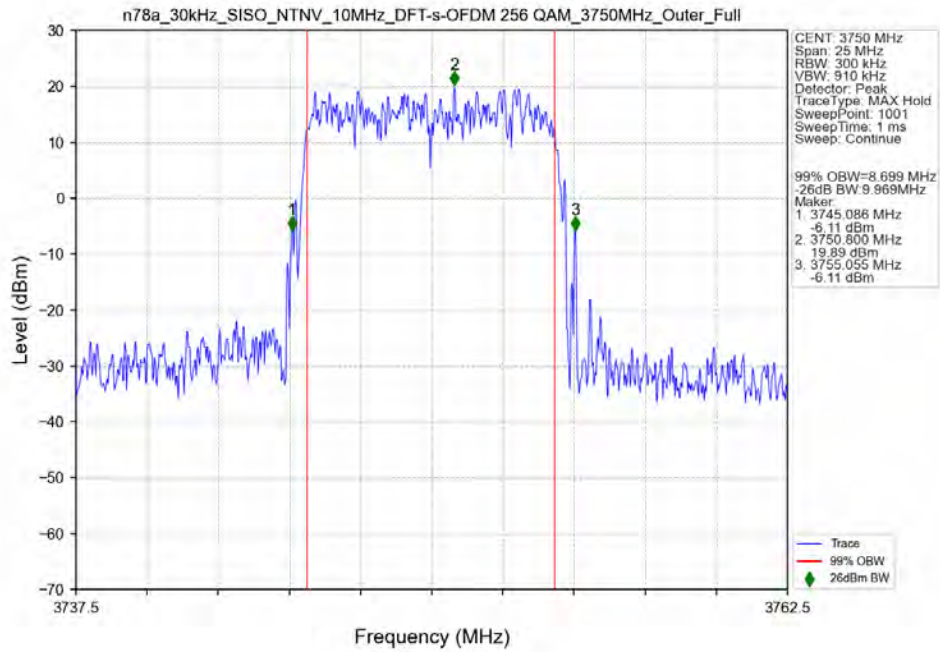
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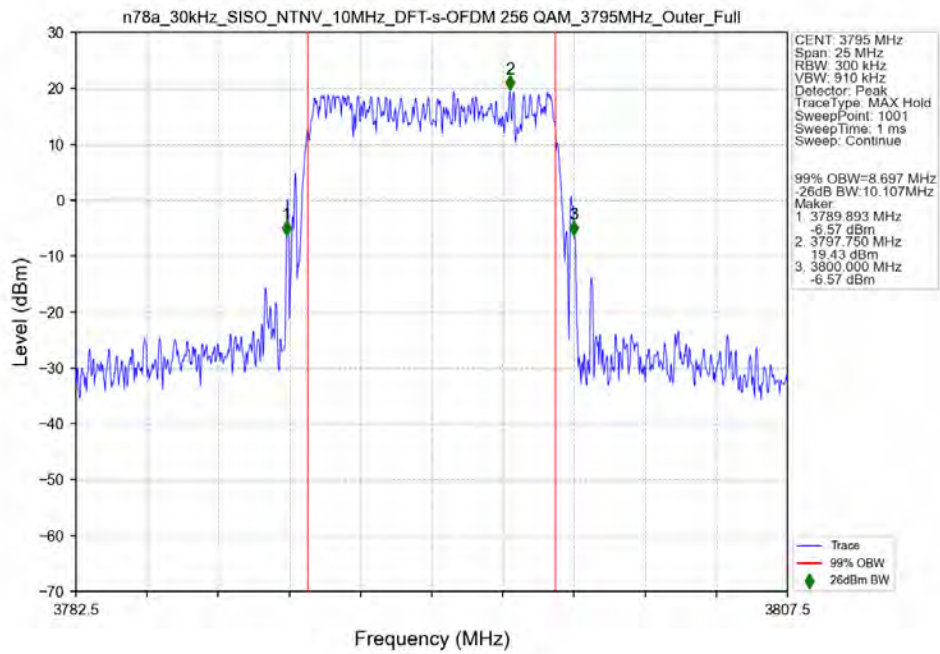
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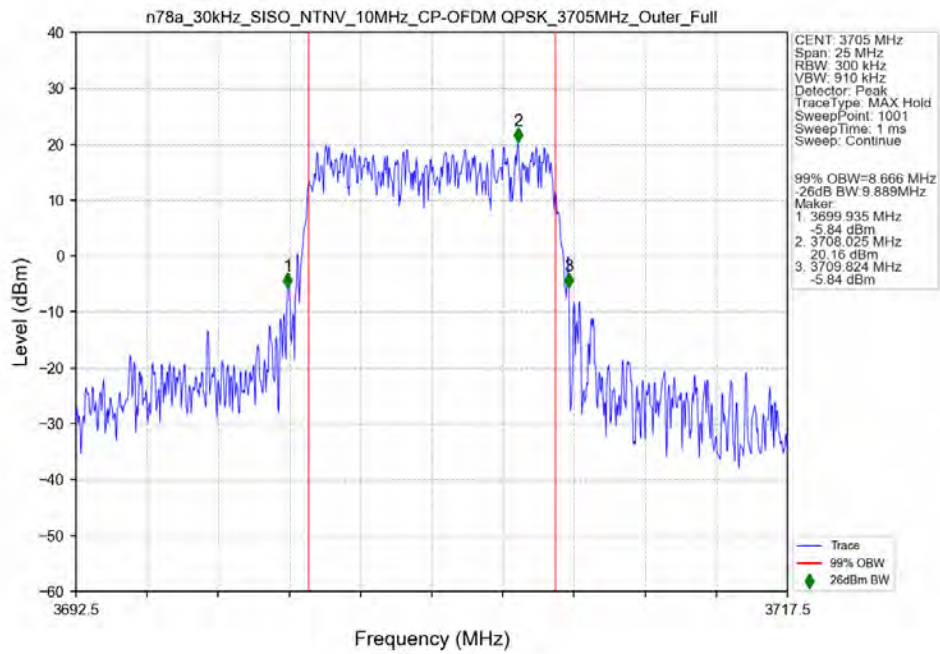
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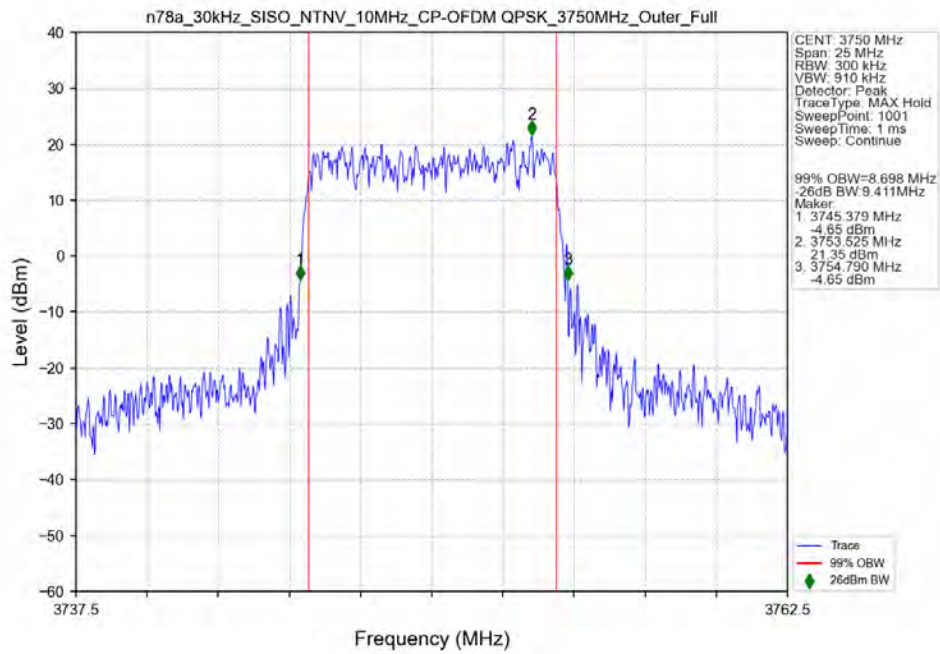
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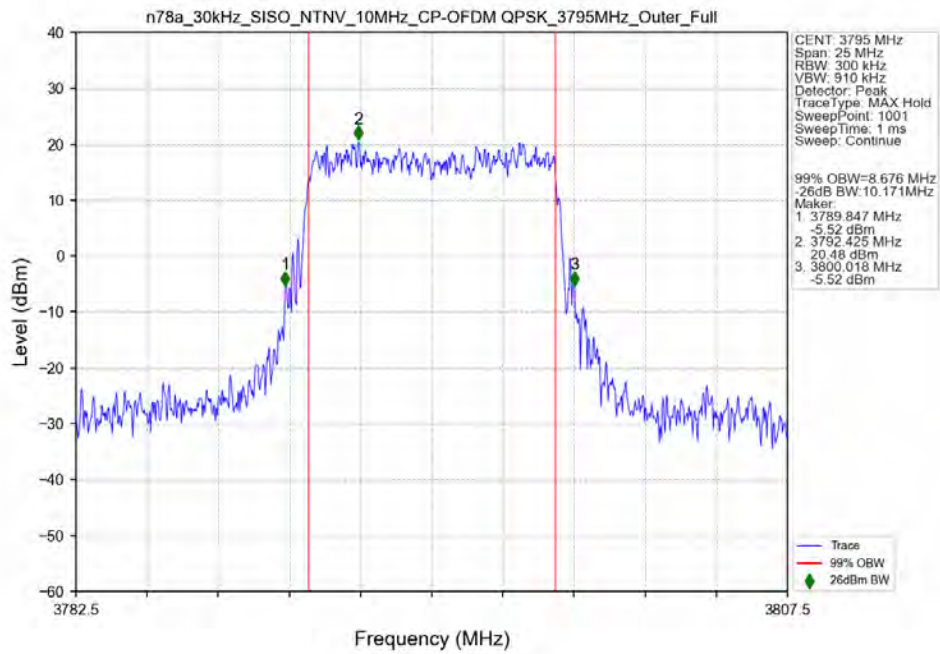
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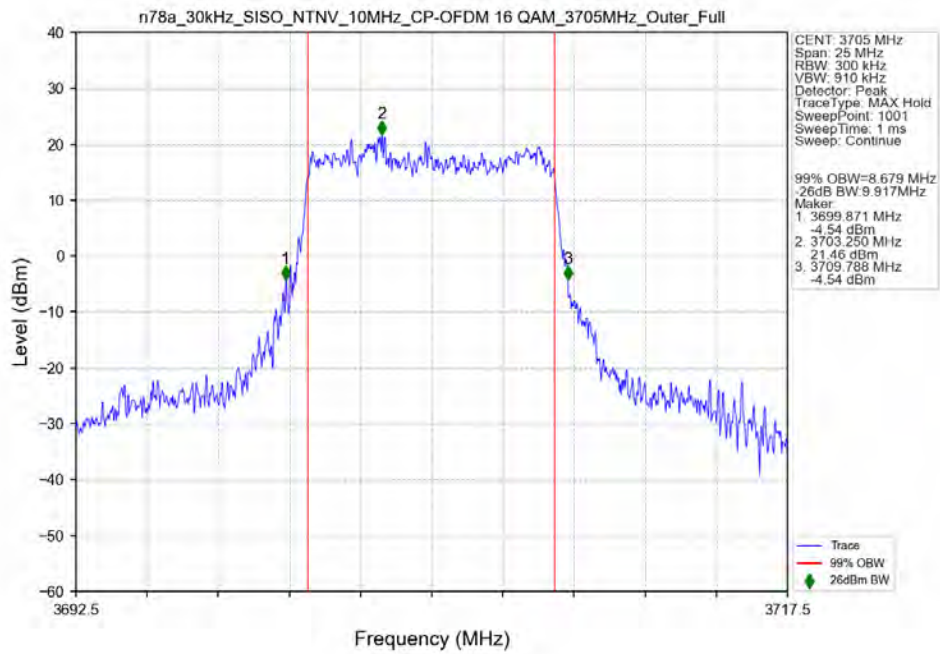
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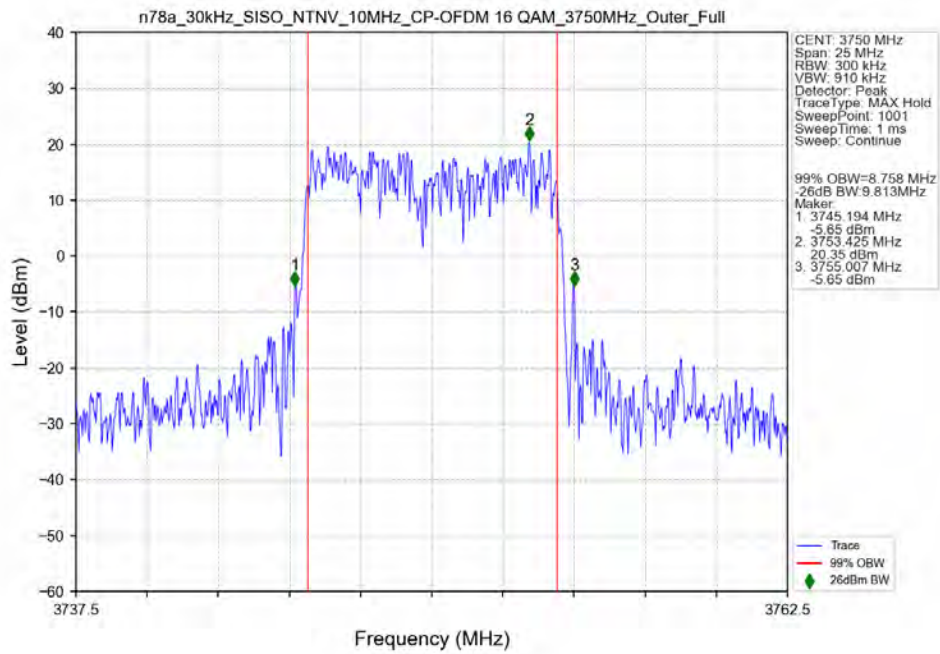
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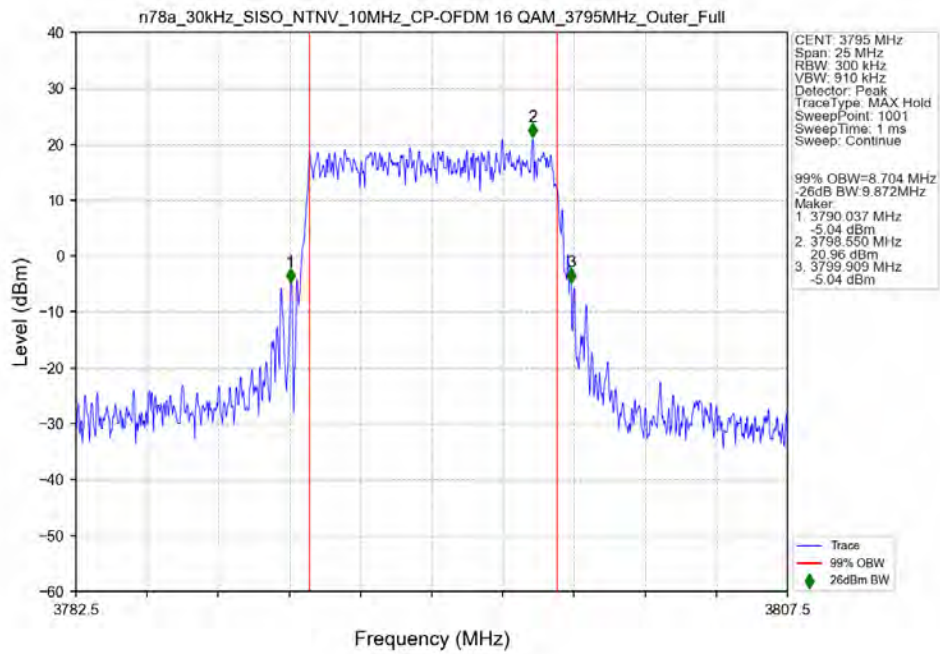
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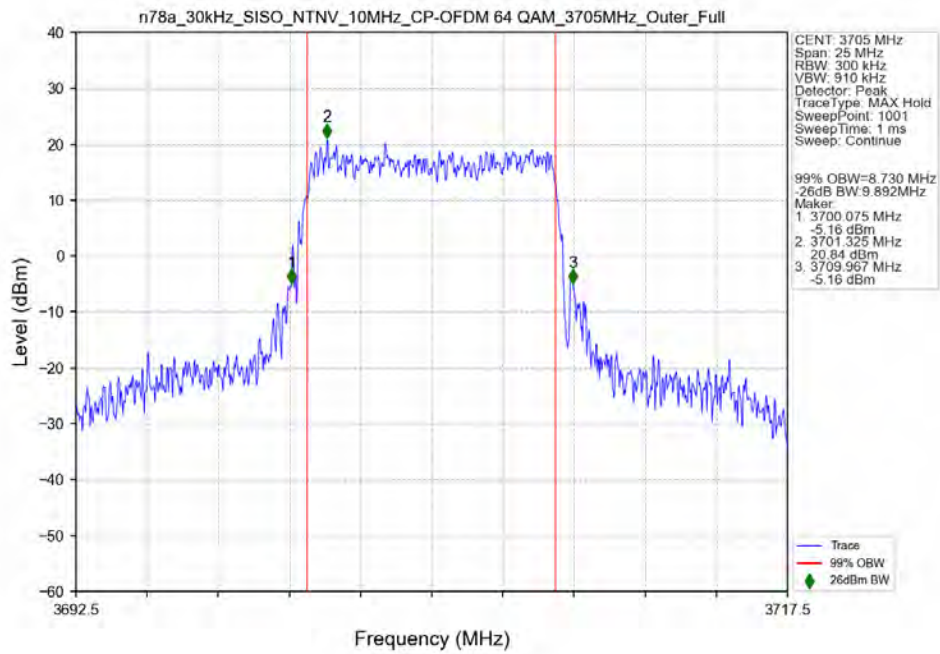
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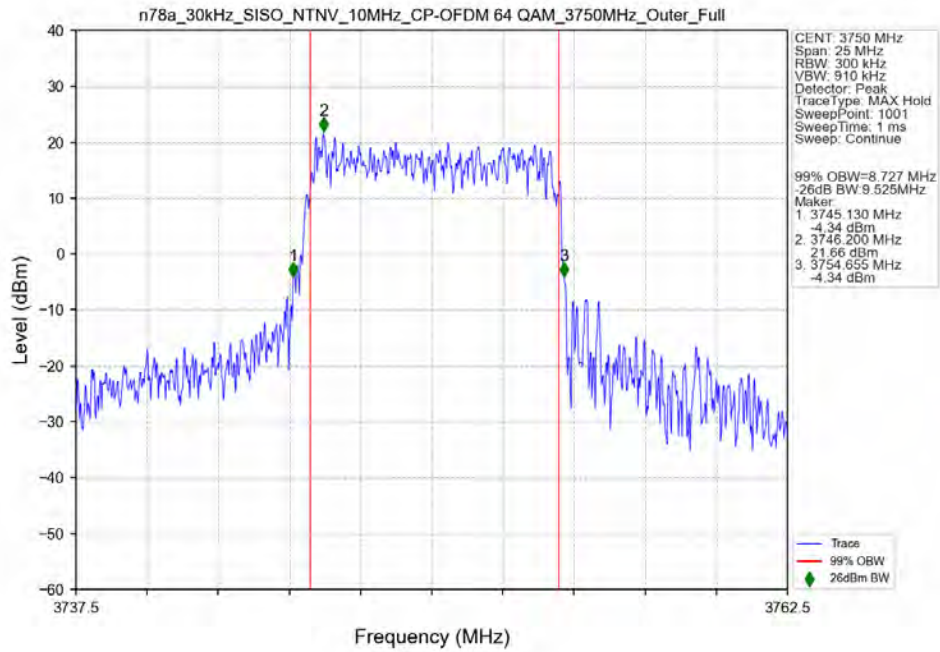
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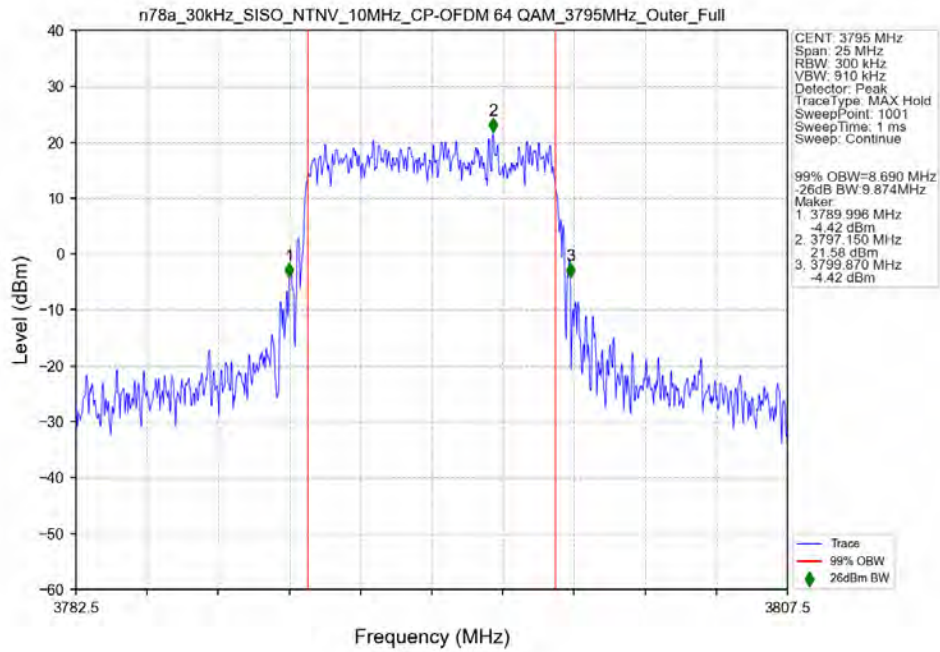
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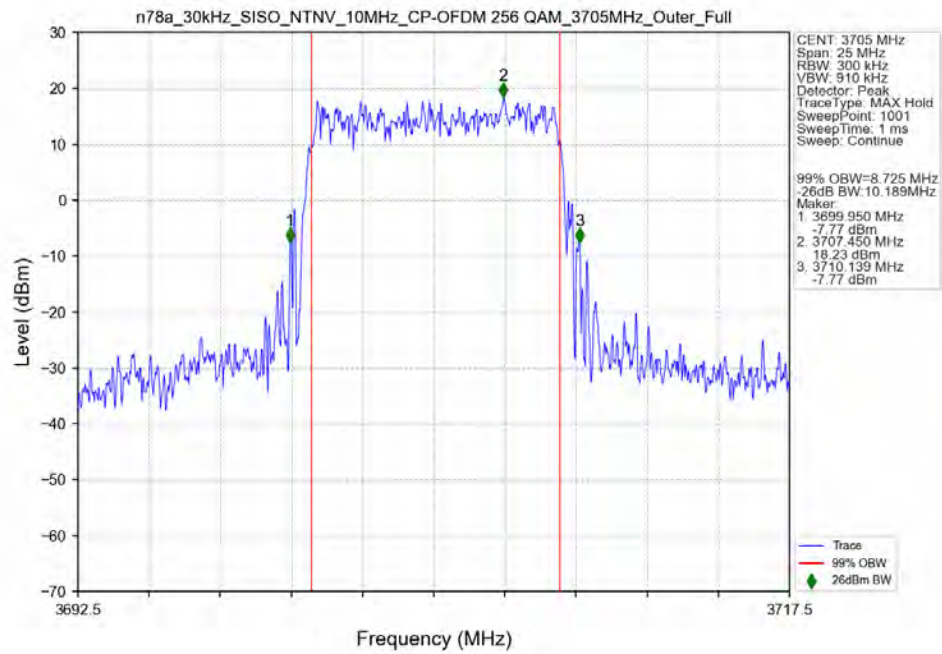
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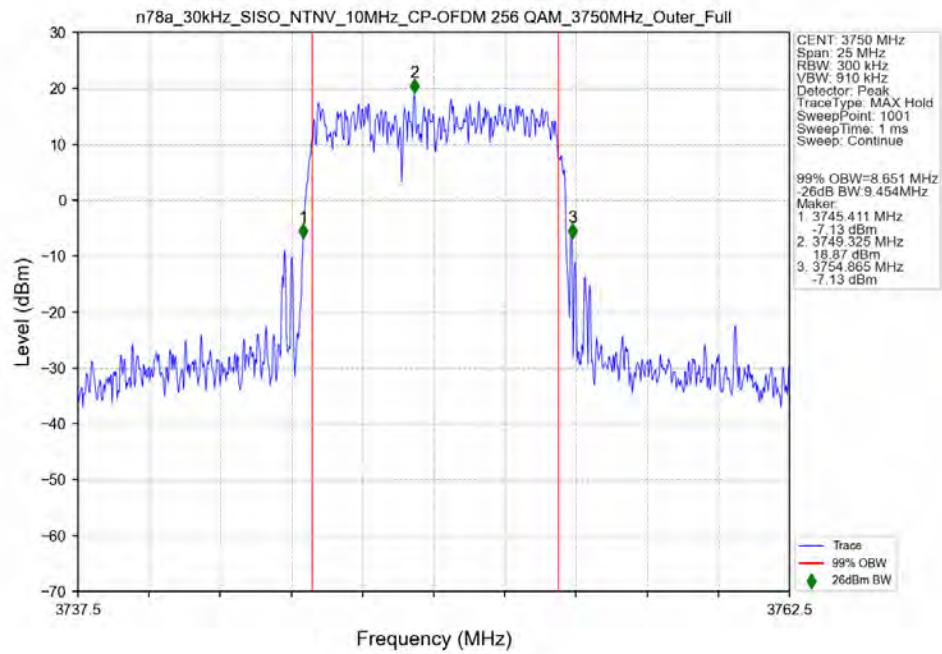
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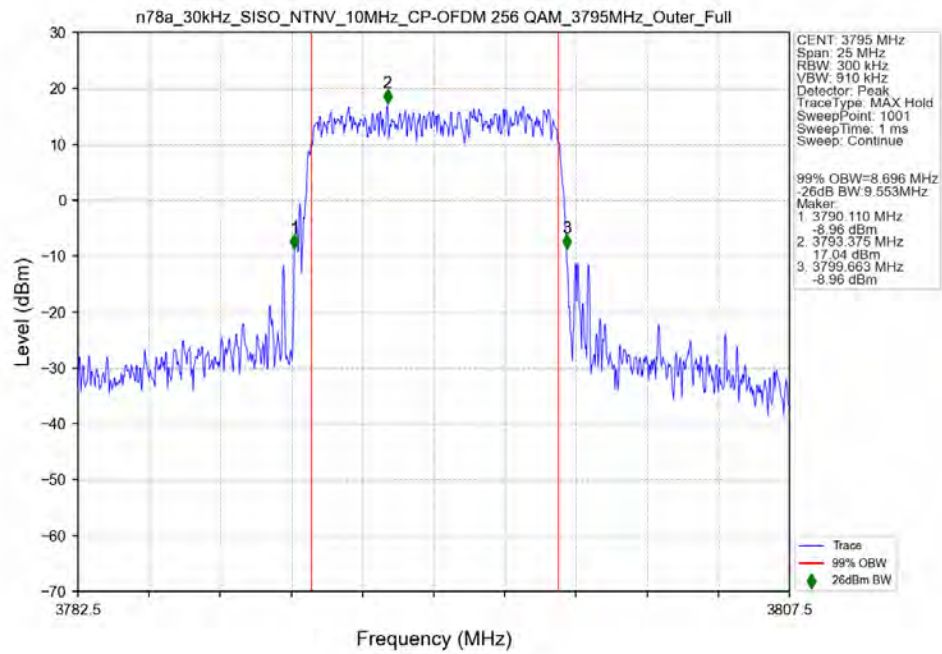
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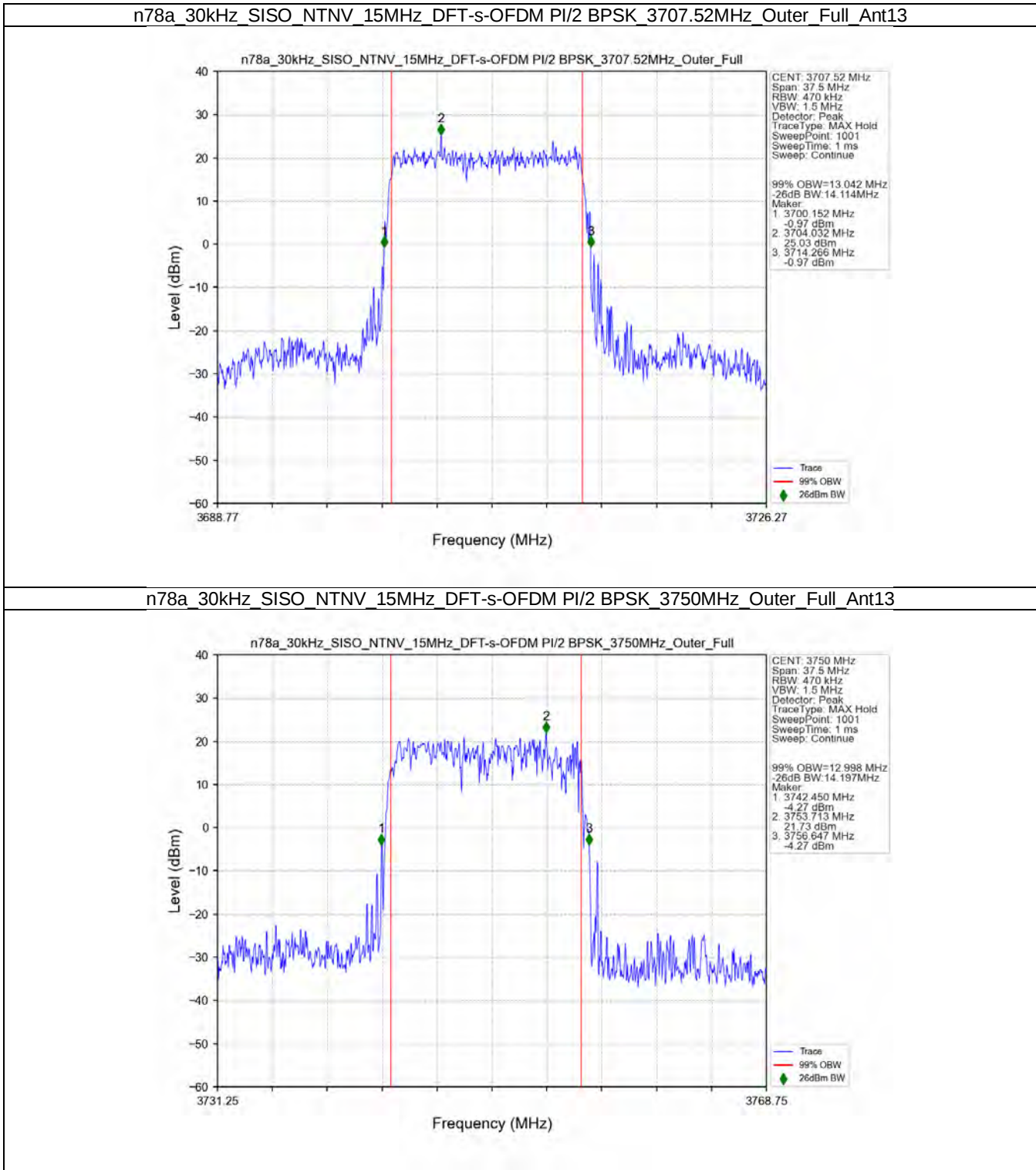
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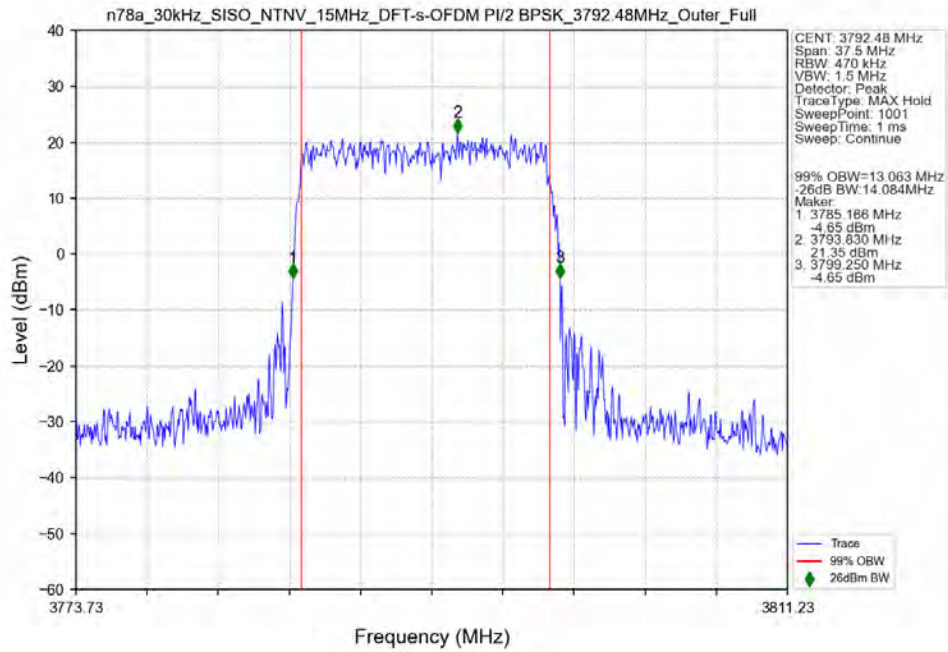
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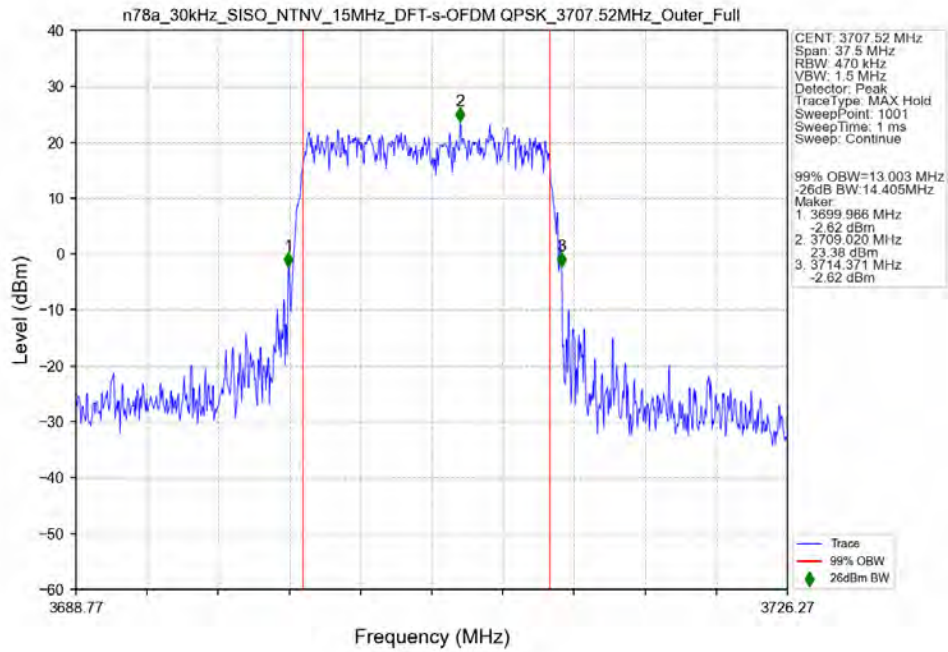
3.2.2 30k_SISO_15MHz_NTNV



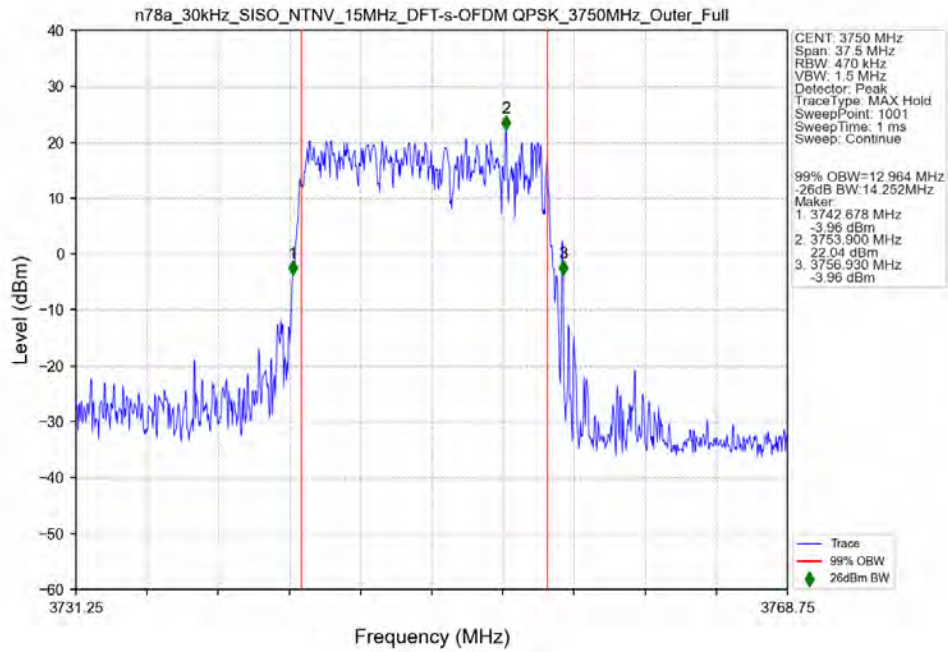
n78a 30kHz SISO NTN 15MHz DFT-s-OFDM PI/2 BPSK 3792.48MHz Outer Full Ant13



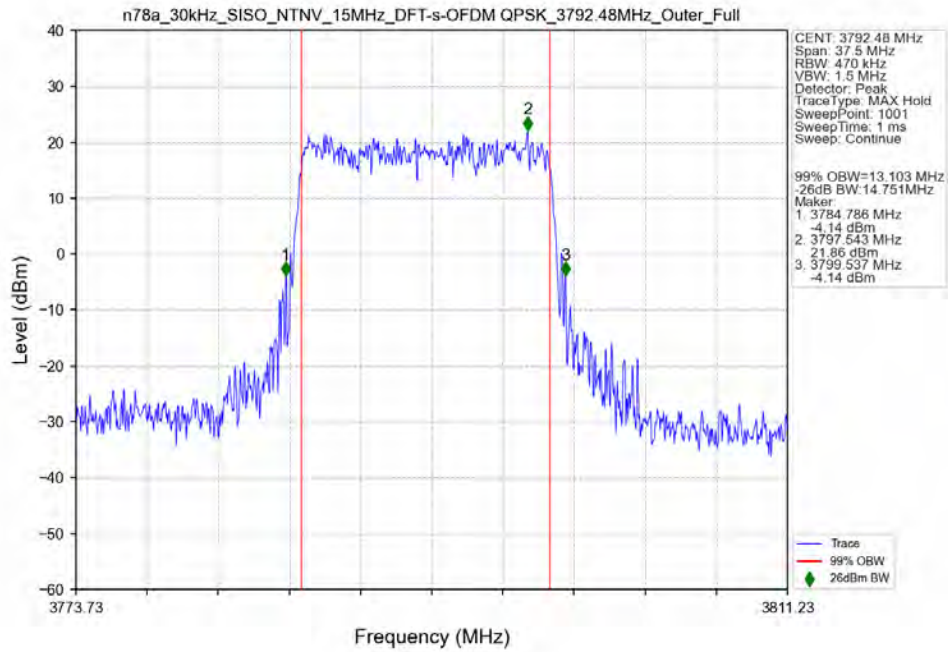
n78a 30kHz SISO NTN 15MHz DFT-s-OFDM QPSK 3707.52MHz Outer Full Ant13



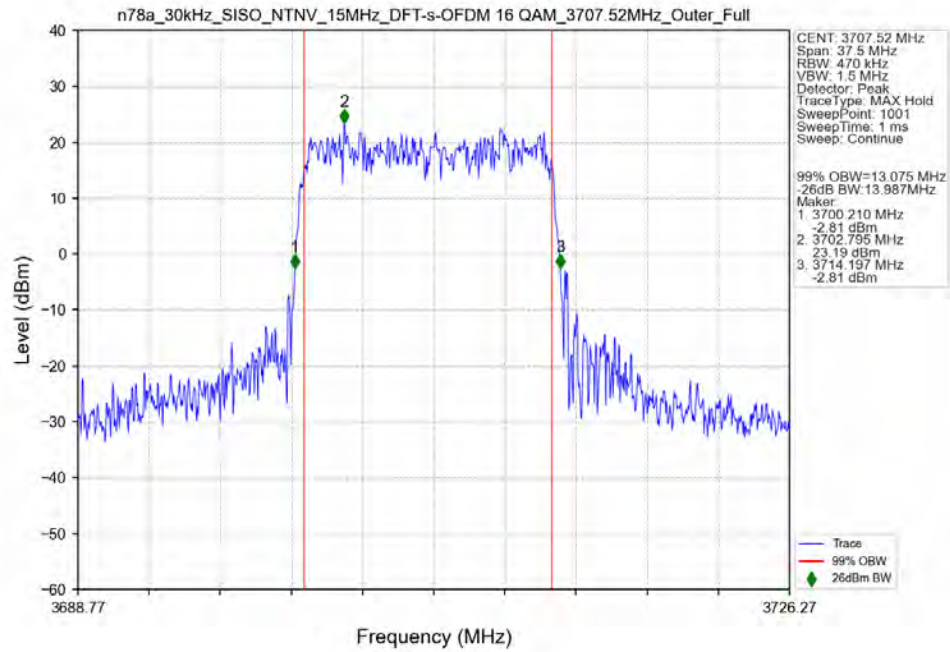
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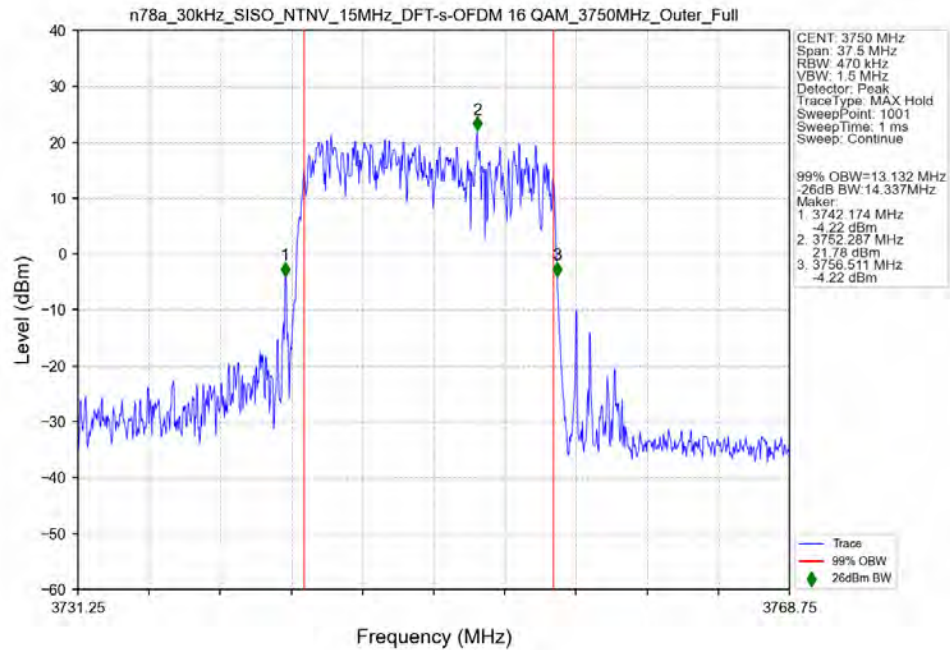
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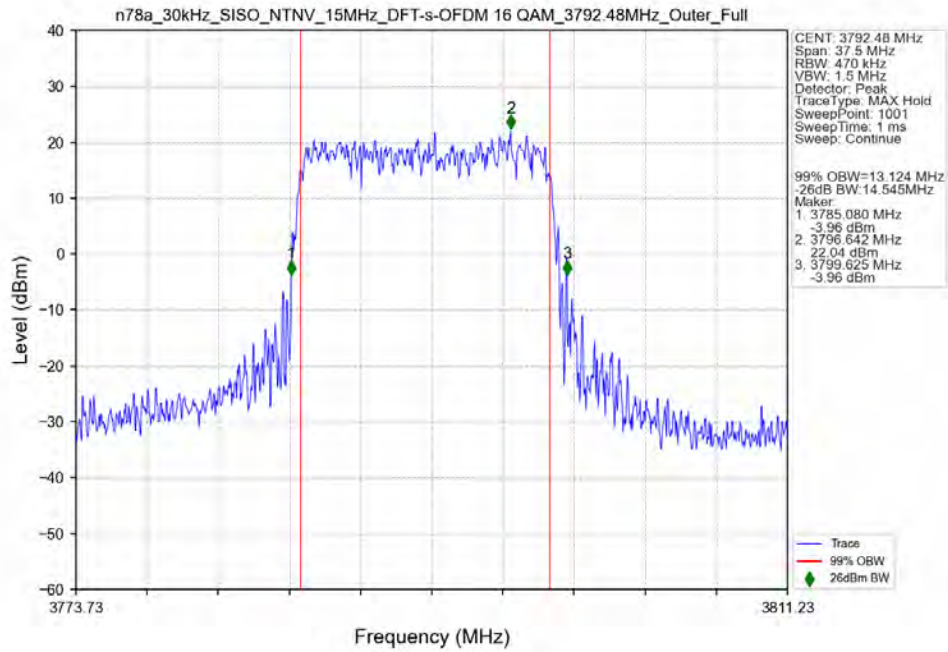
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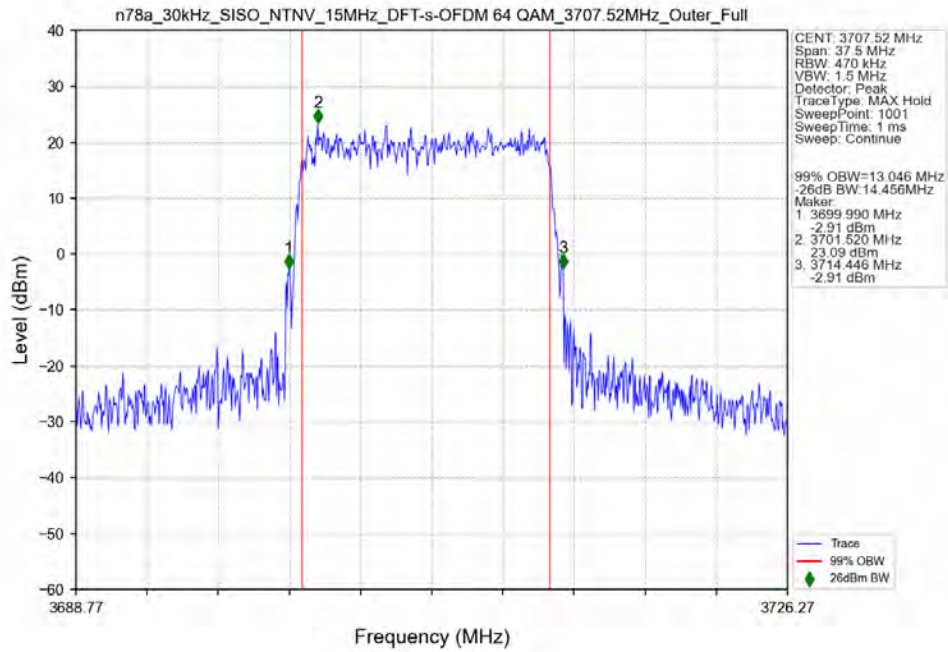
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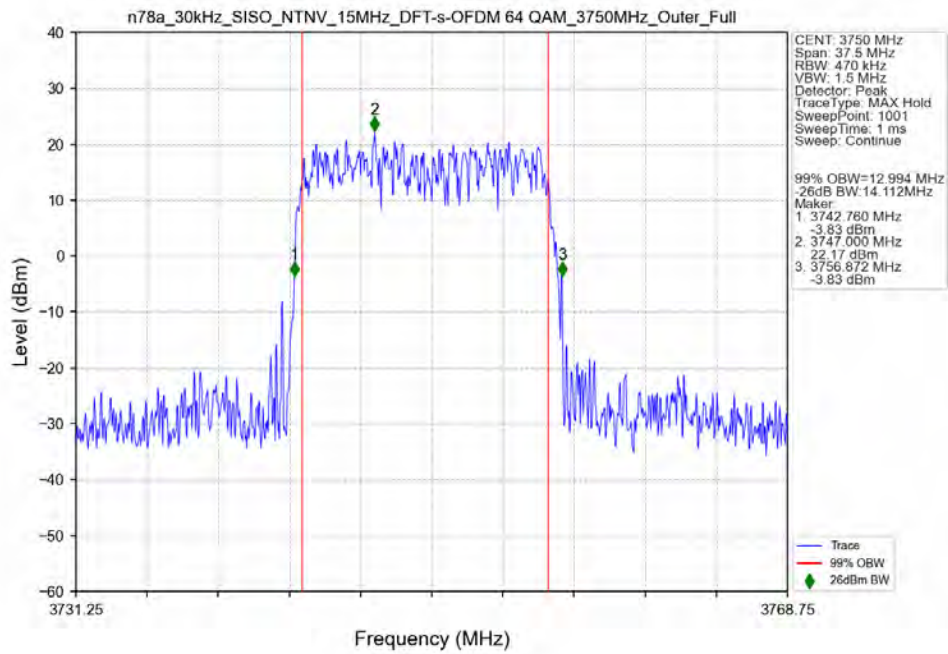
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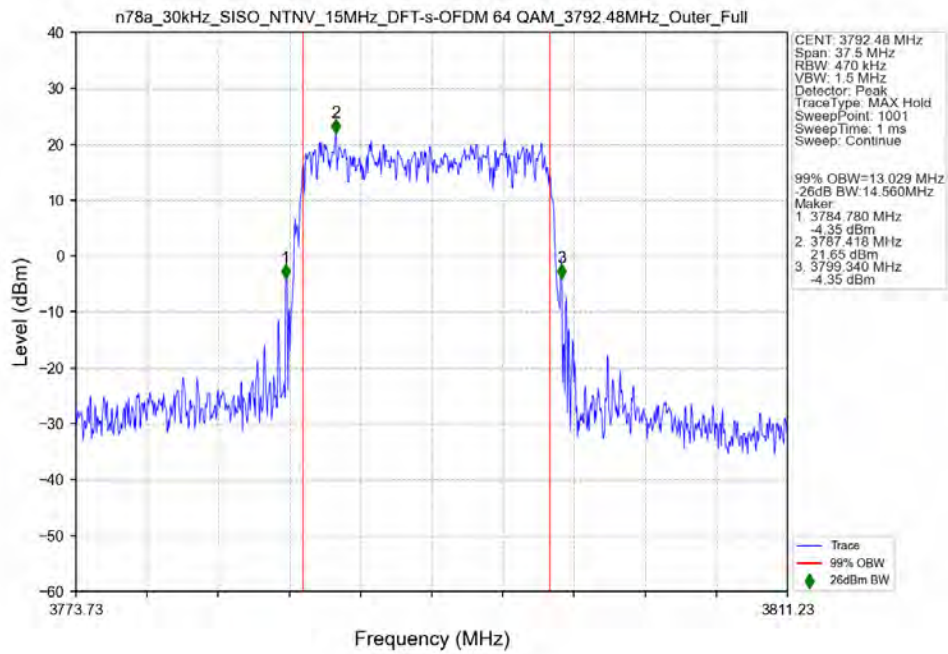
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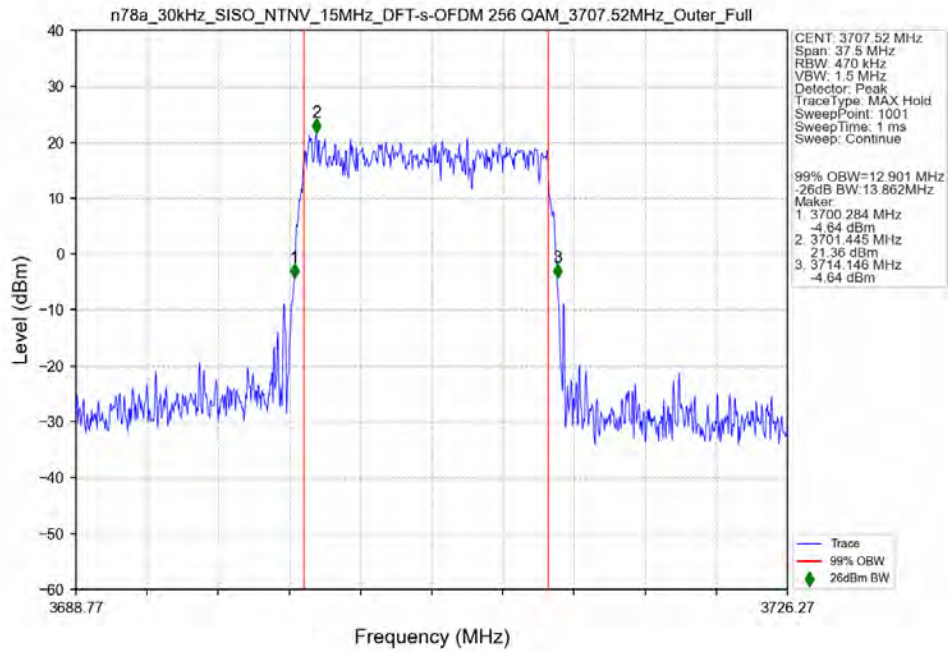
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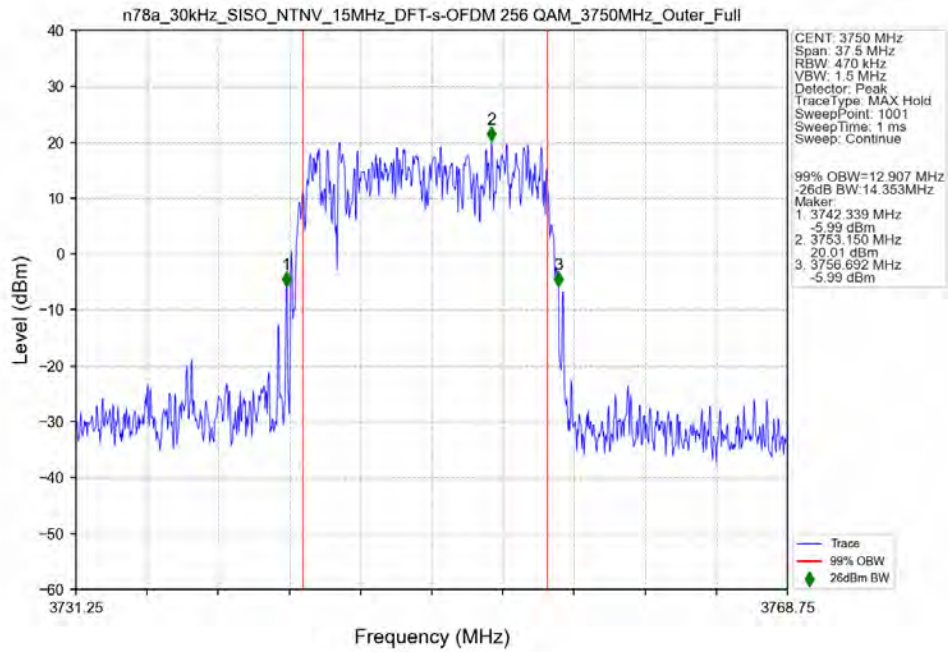
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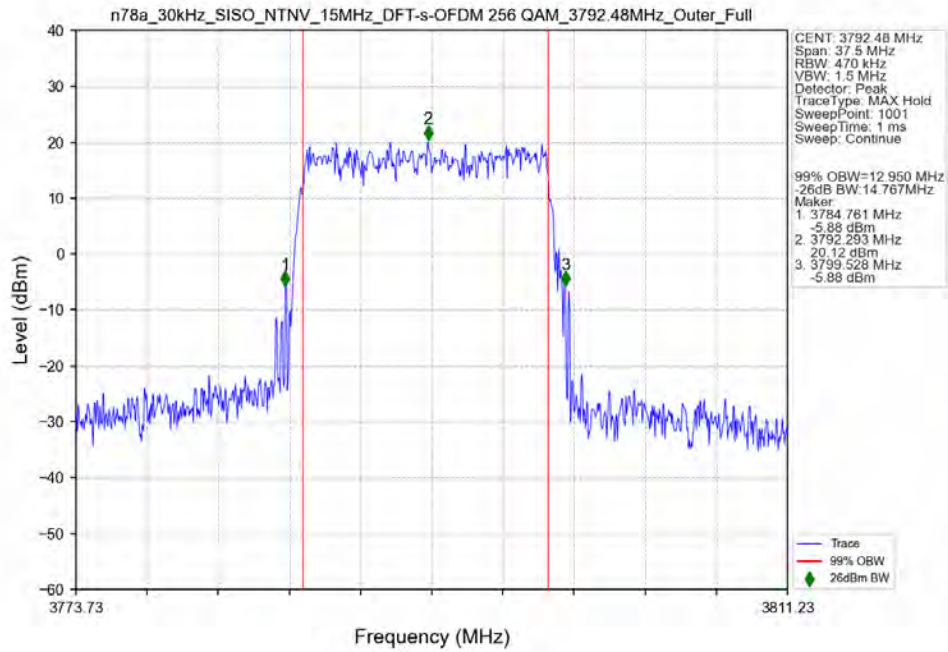
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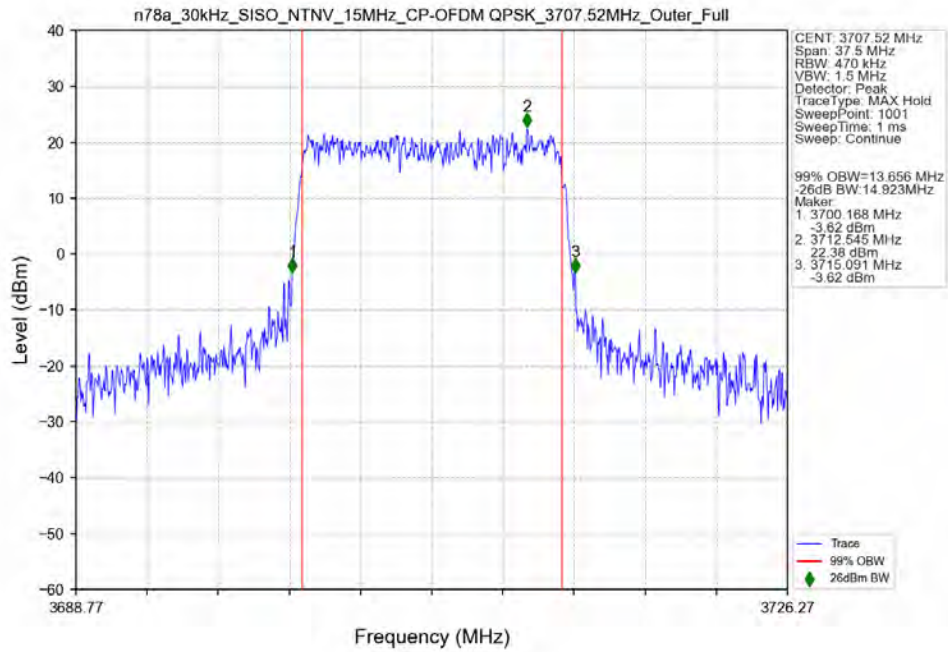
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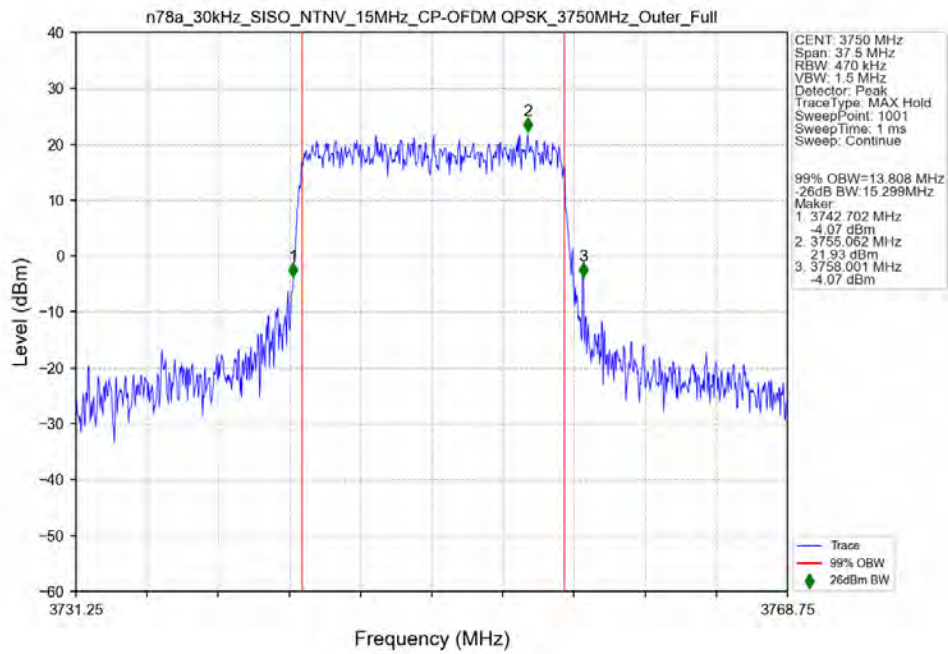
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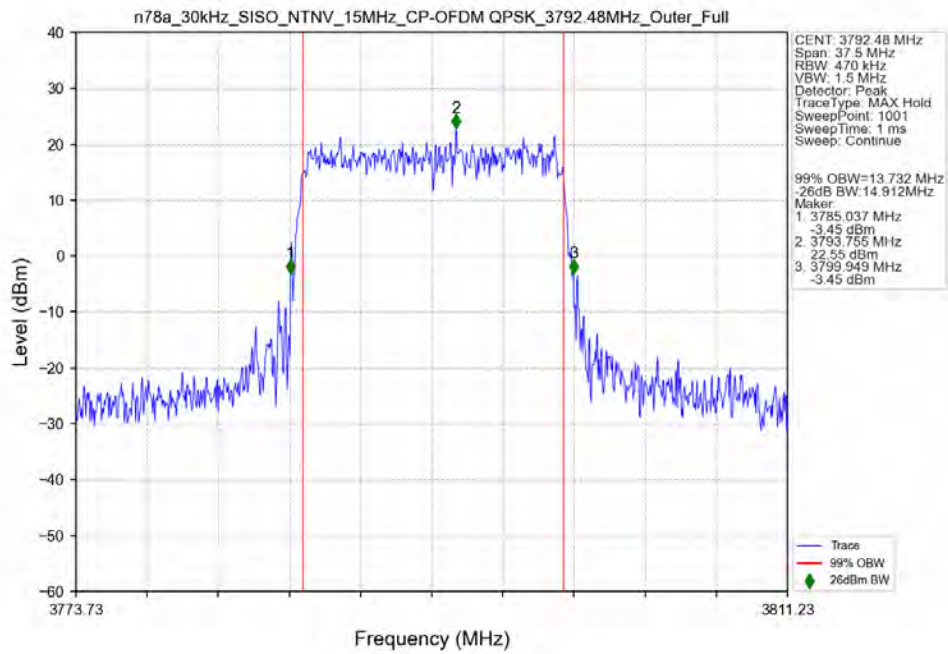
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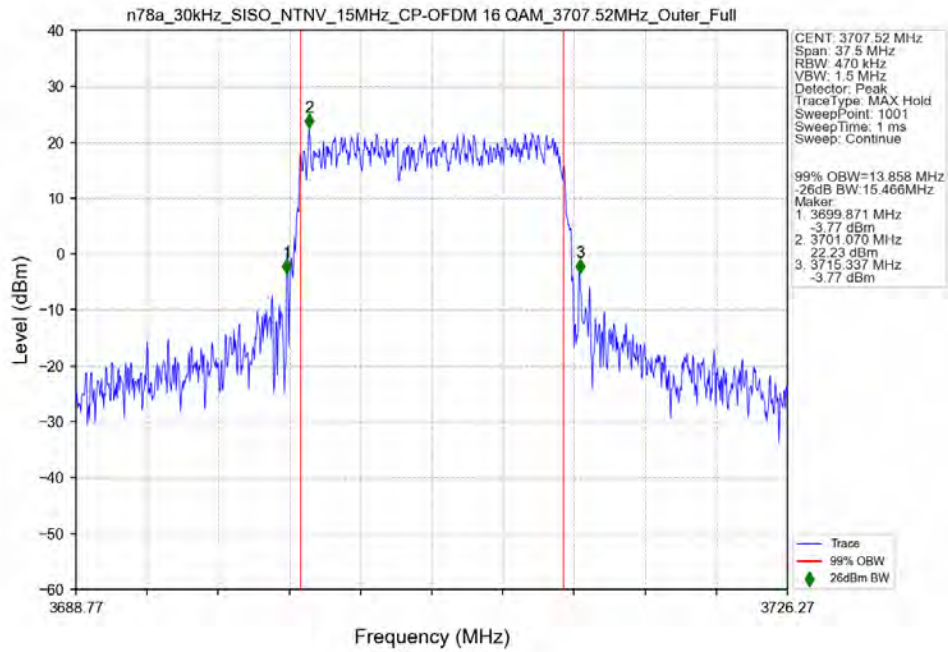
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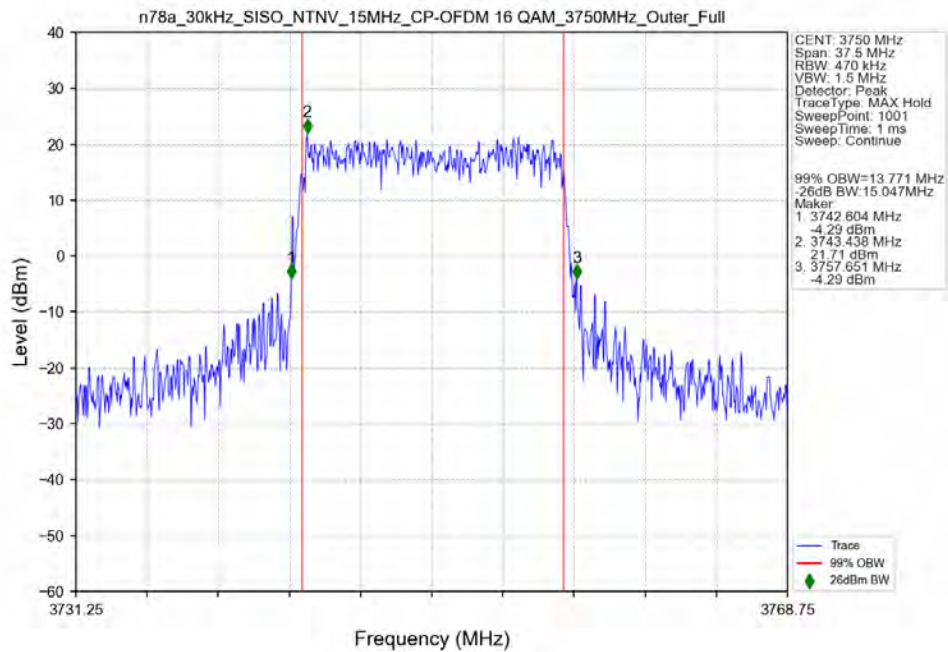
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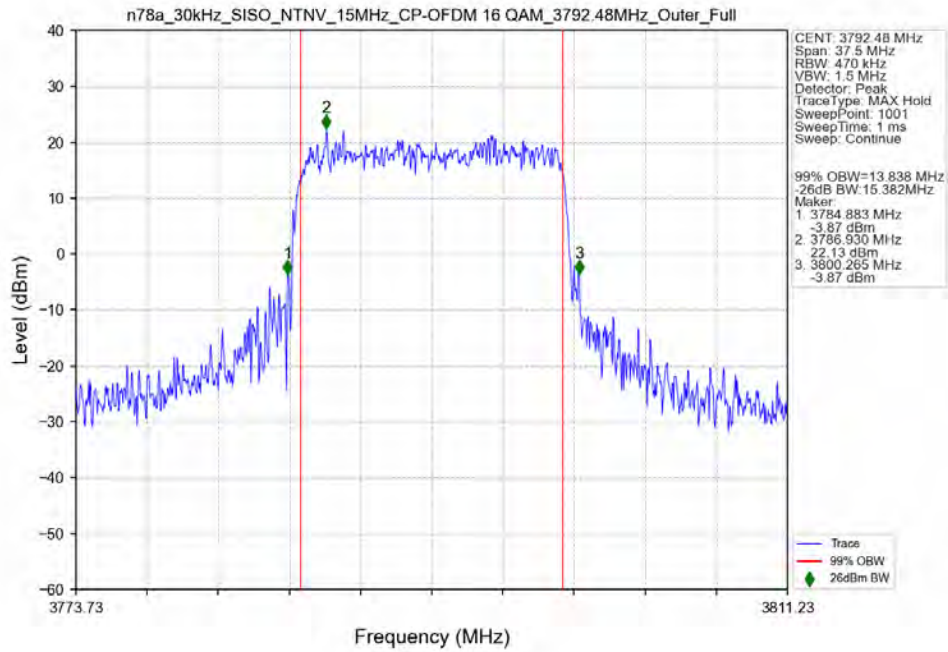
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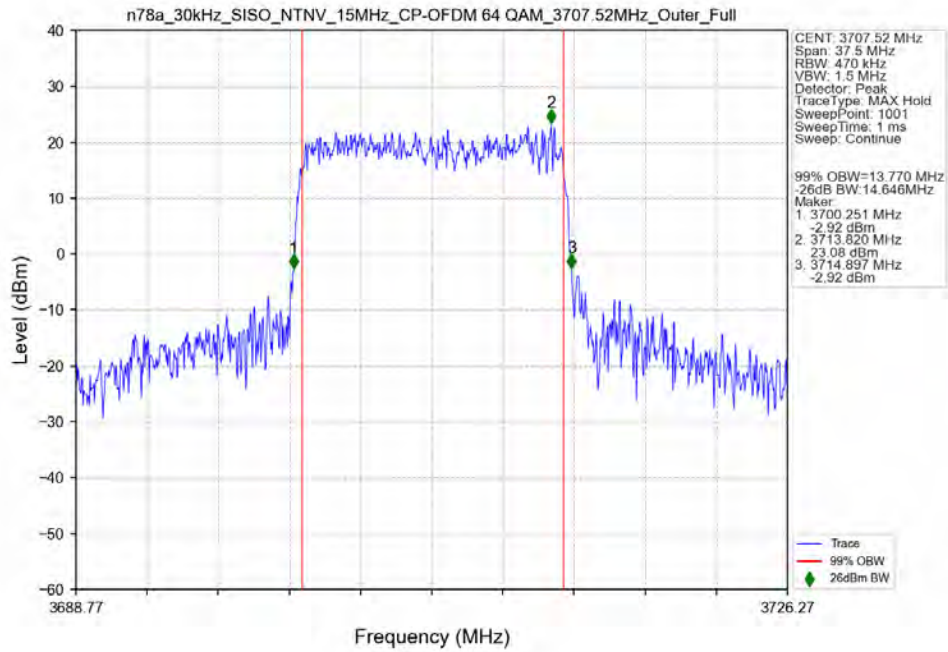
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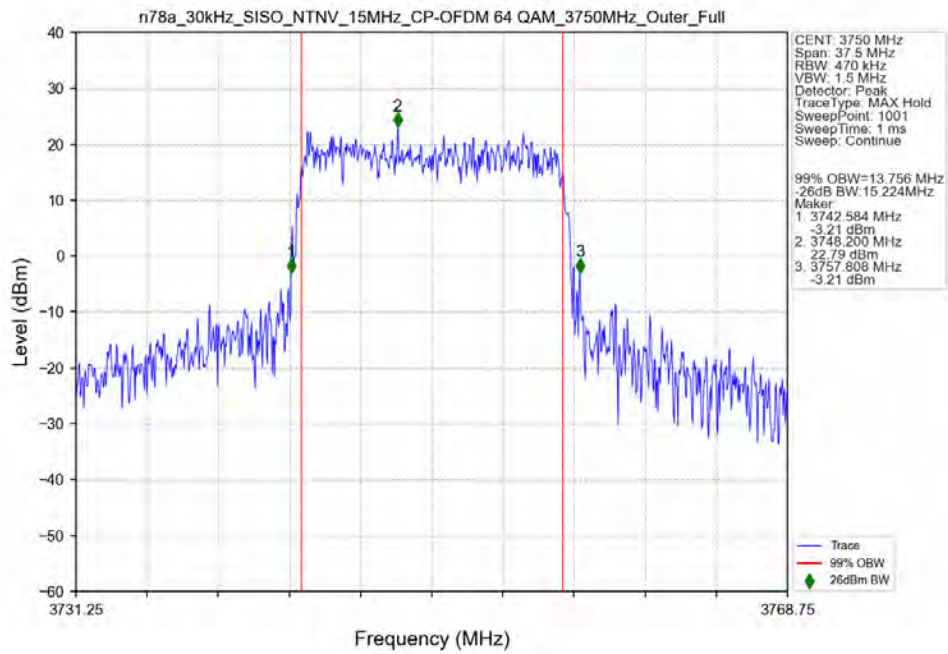
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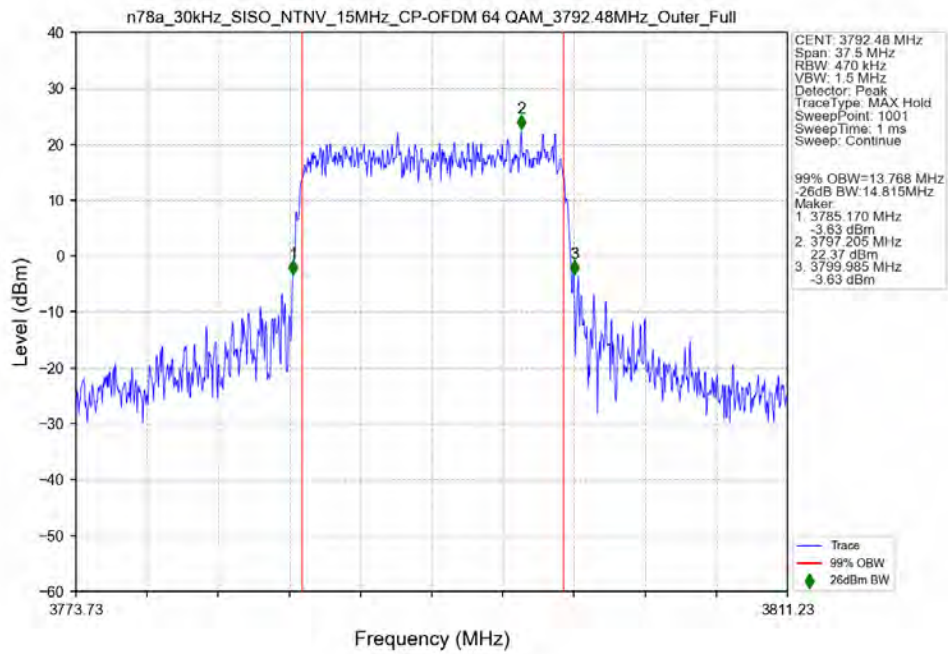
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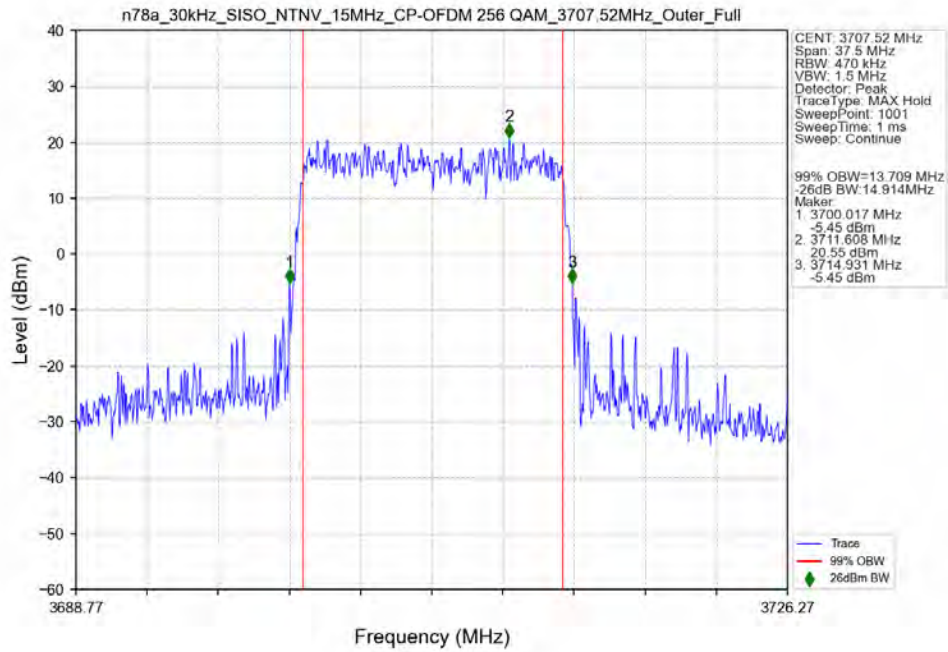
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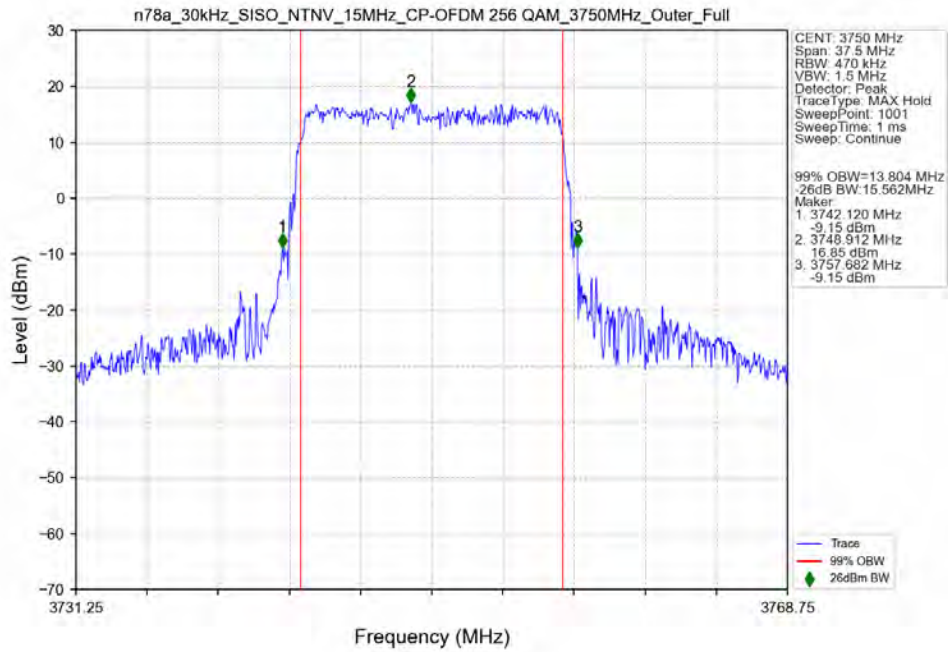
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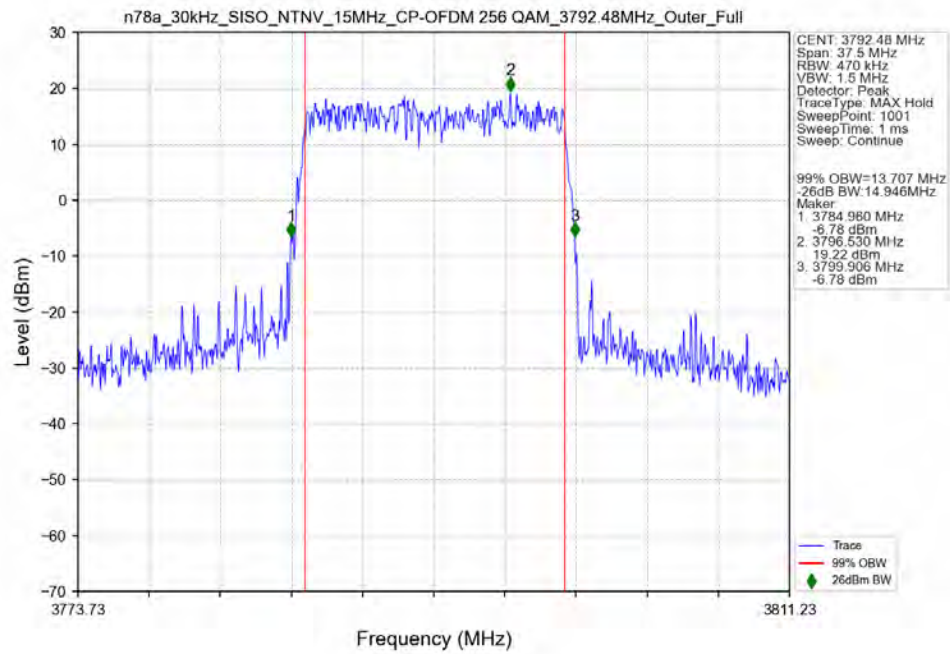
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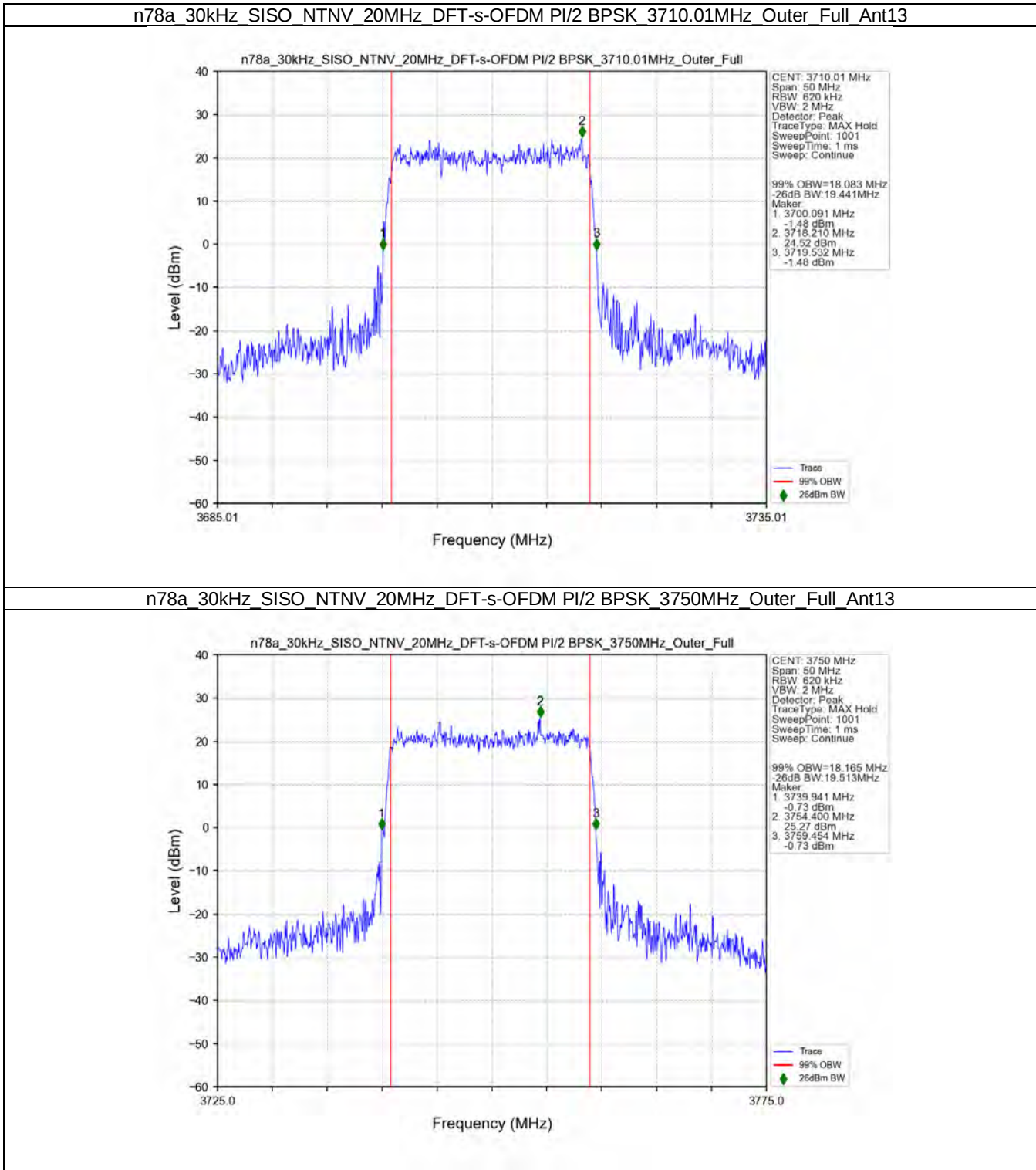
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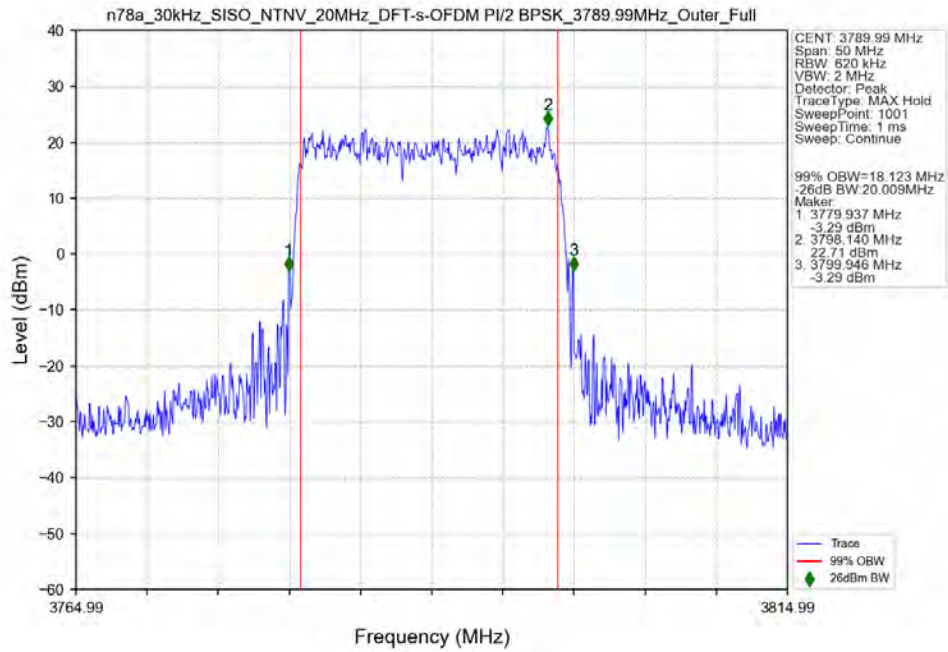
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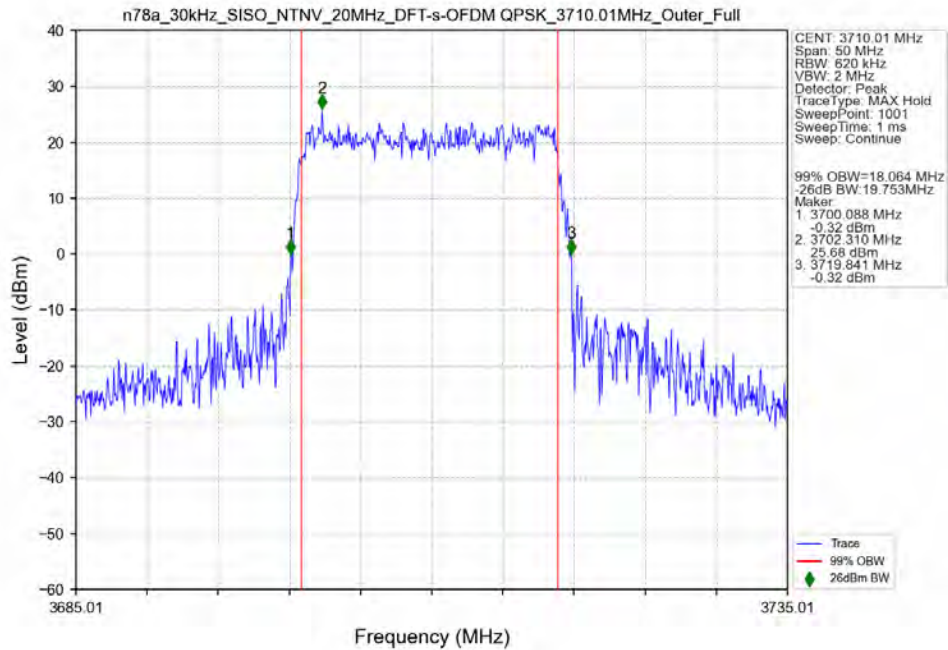
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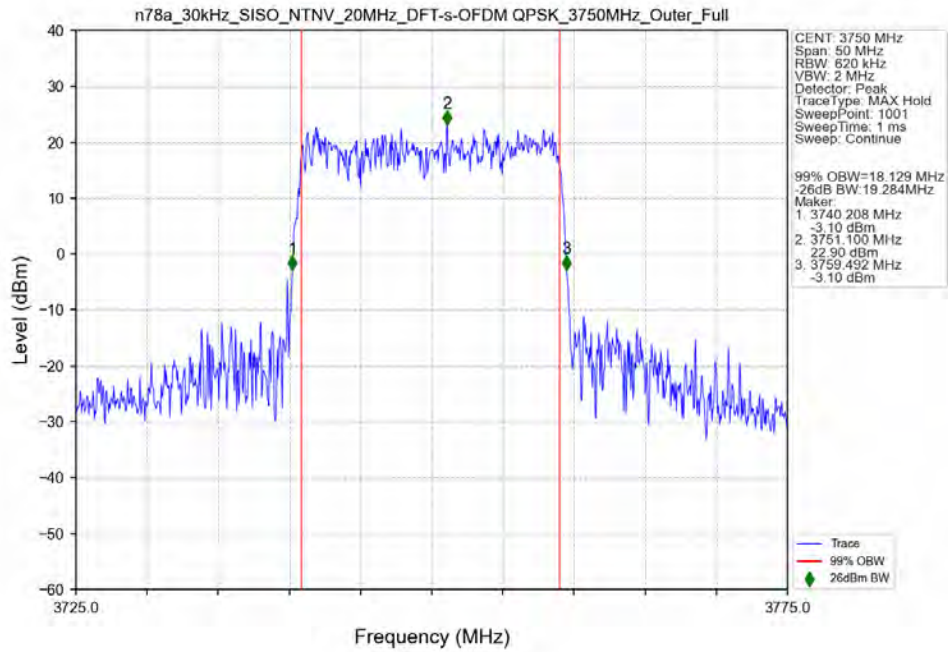
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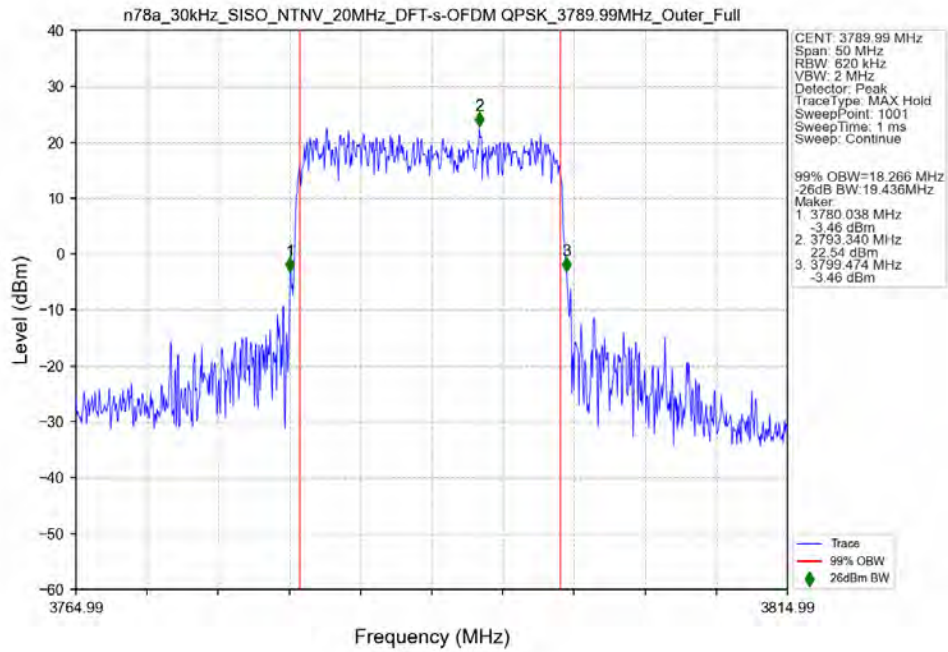
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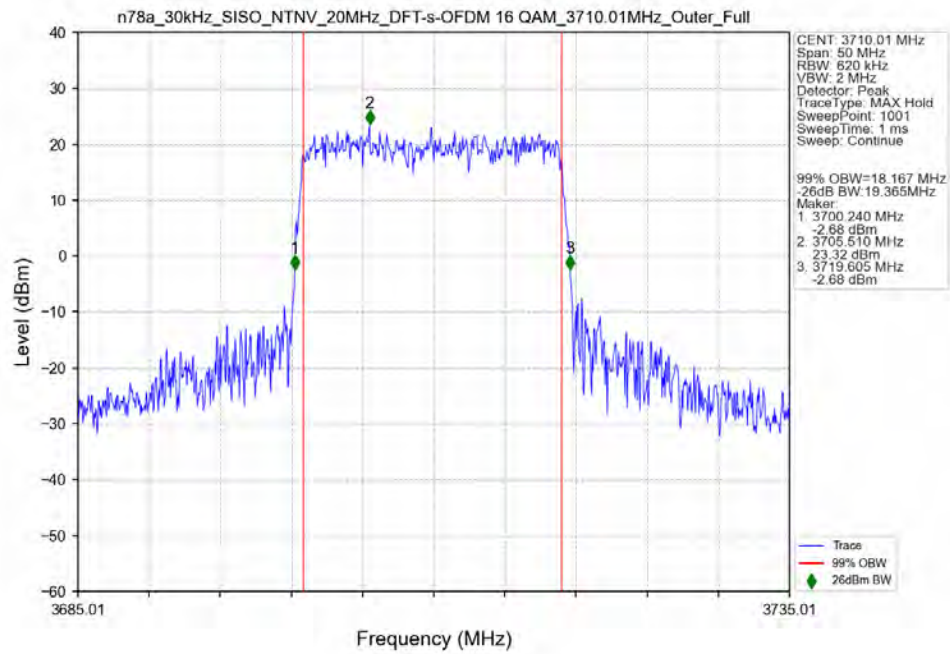
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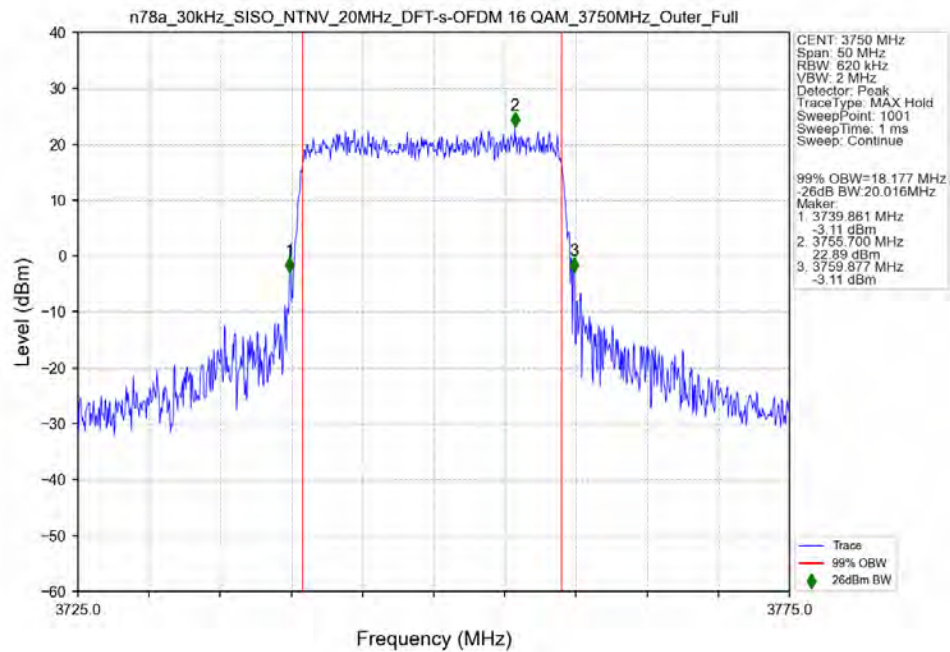
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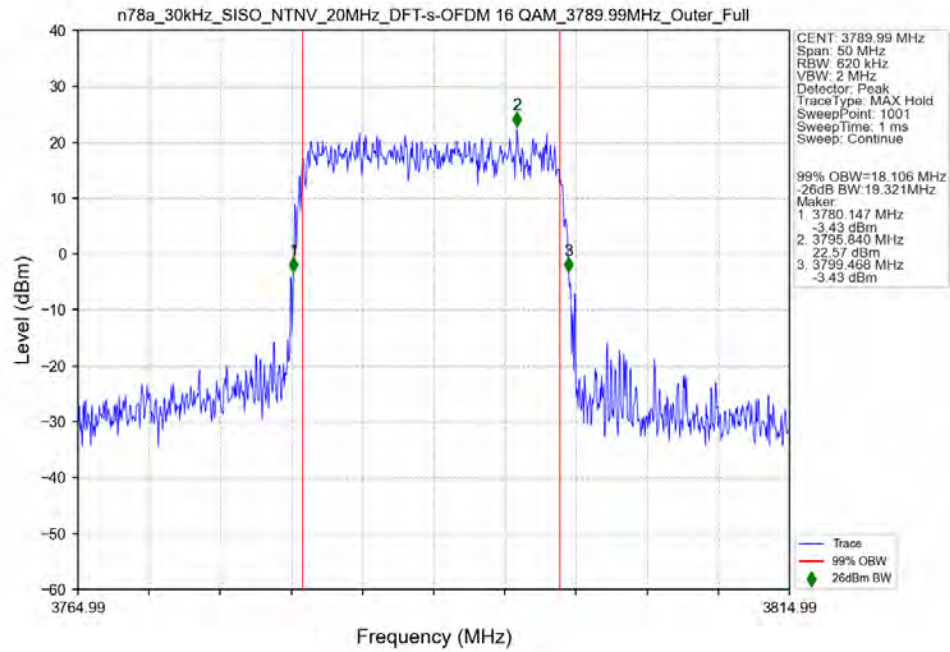
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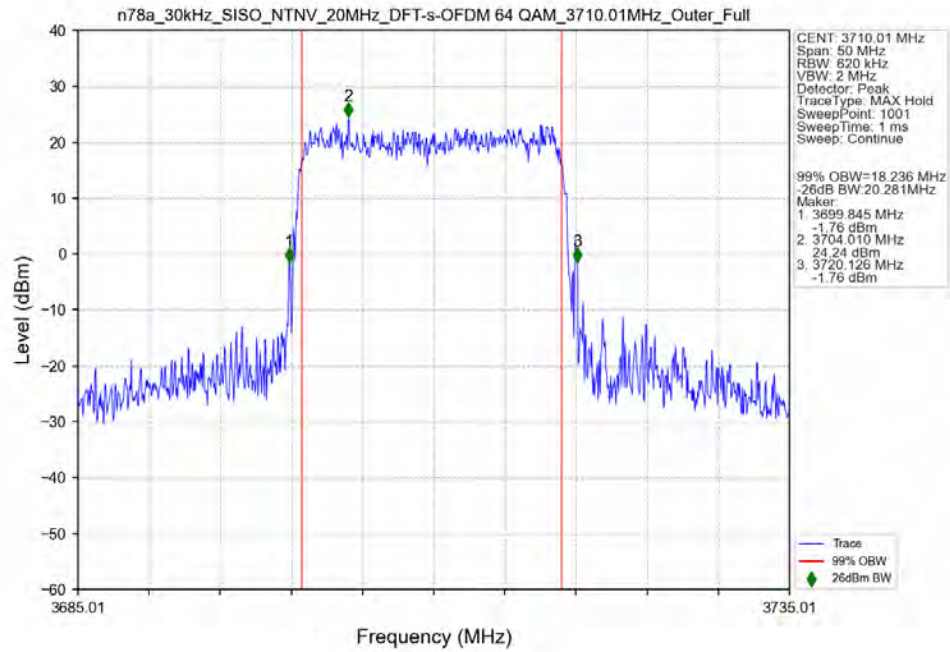
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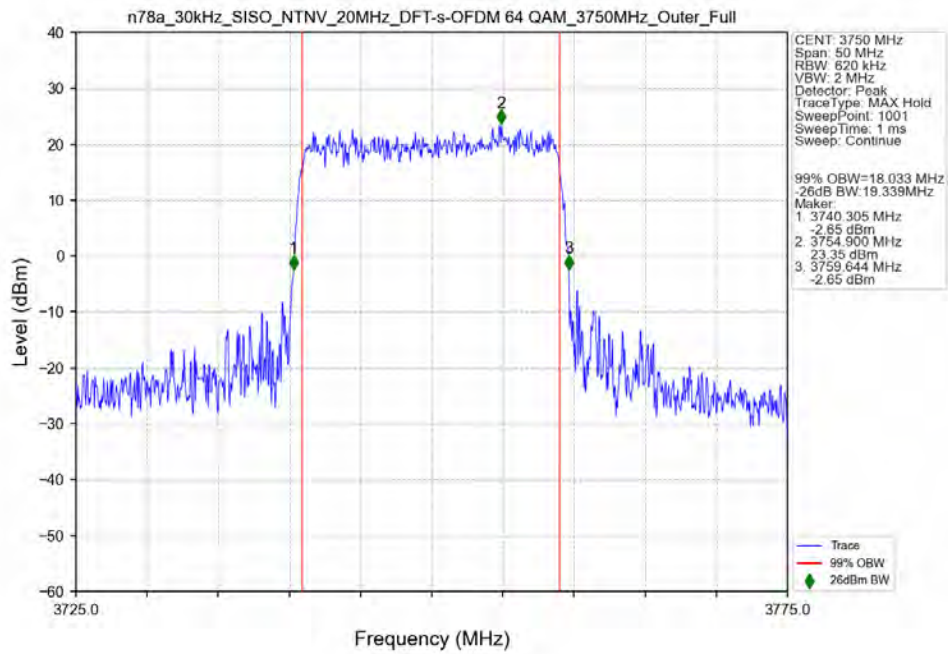
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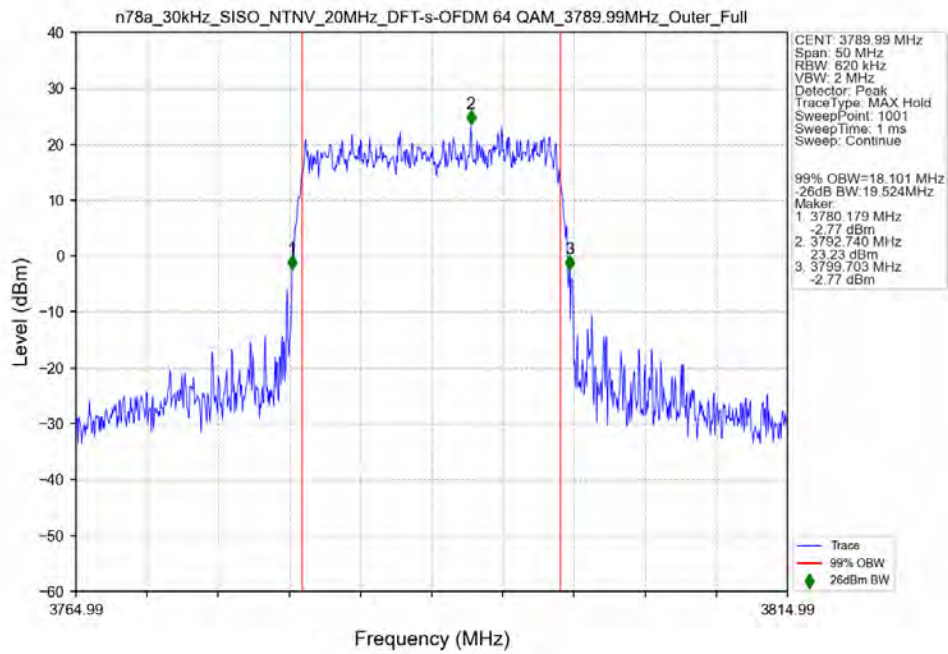
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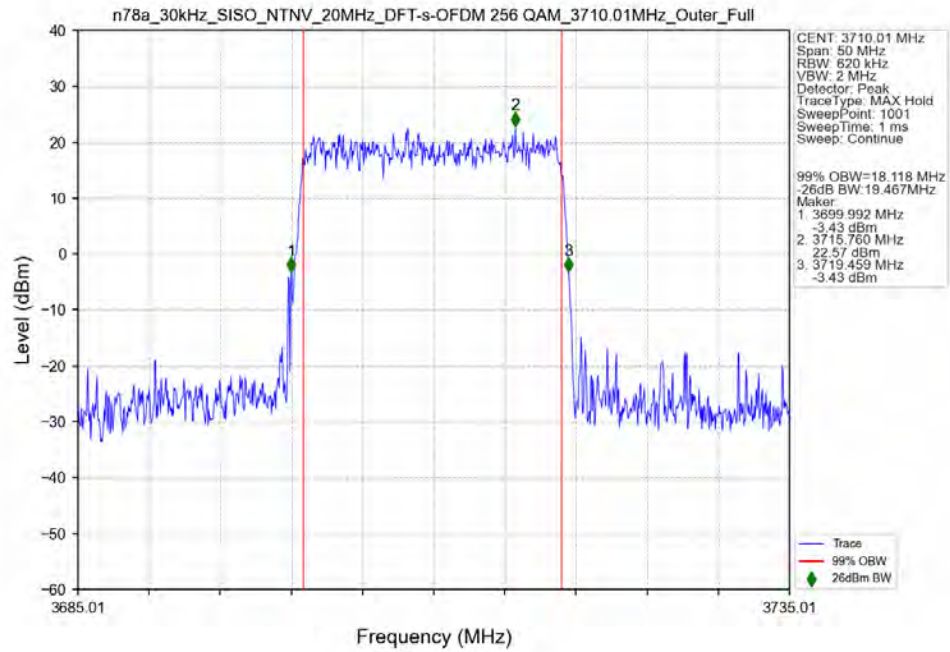
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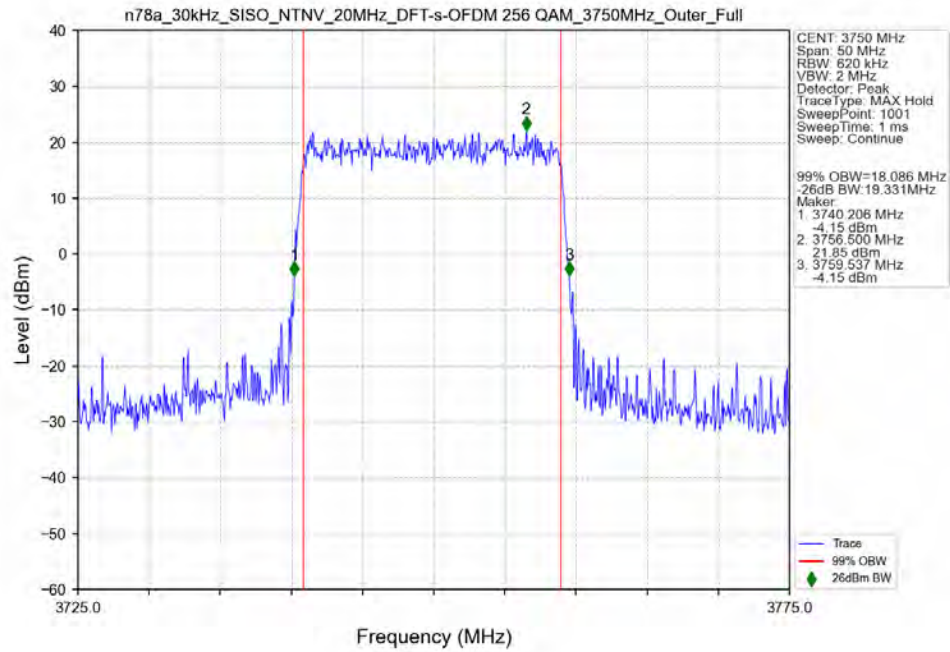
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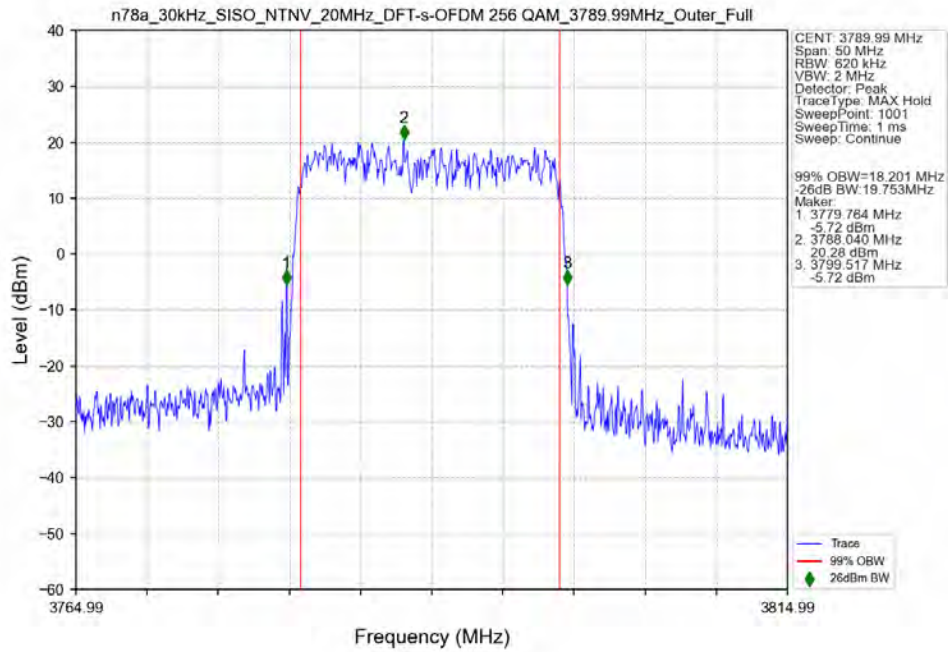
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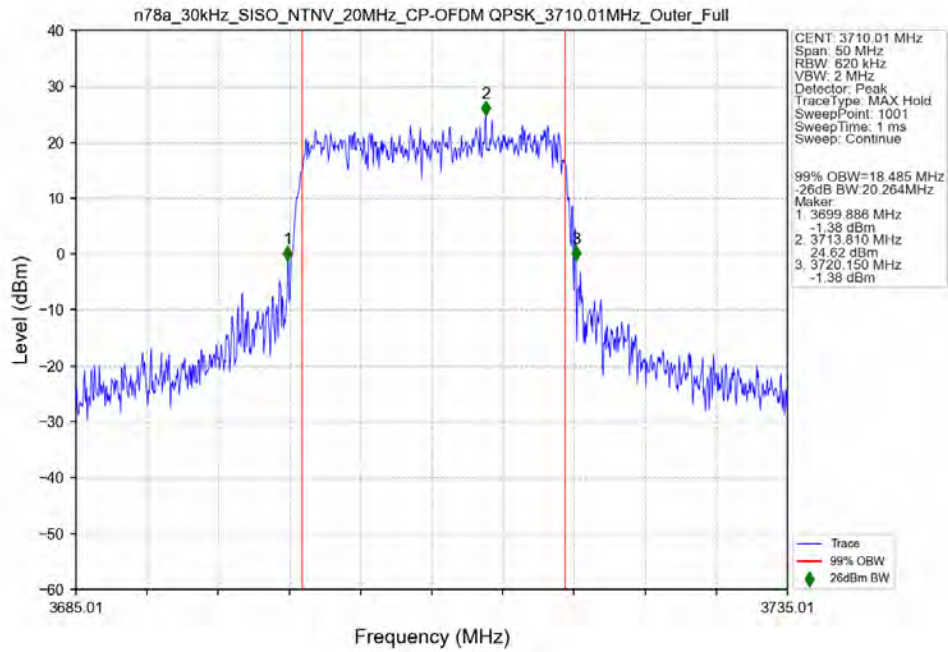
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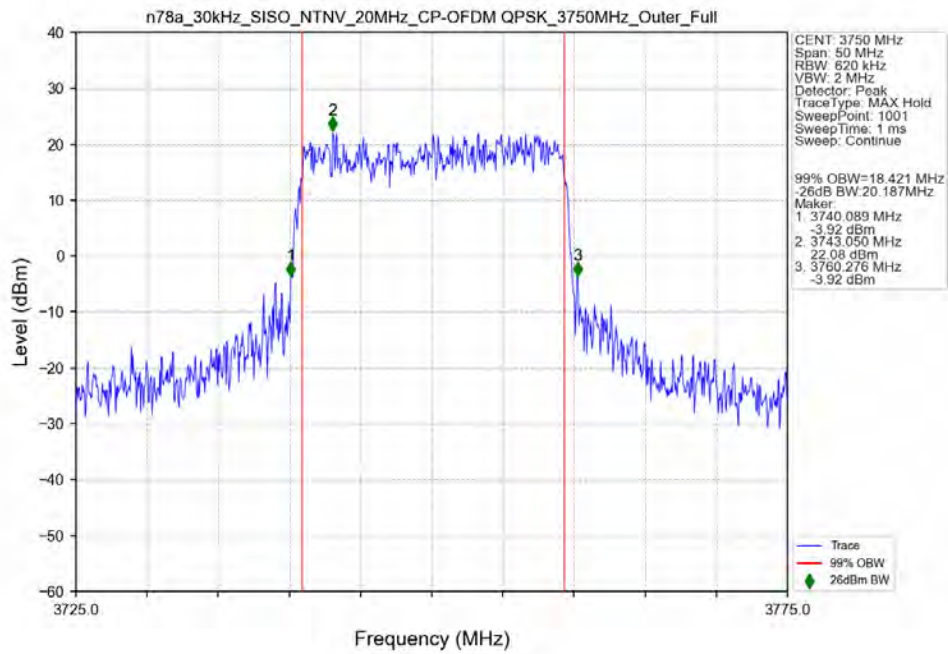
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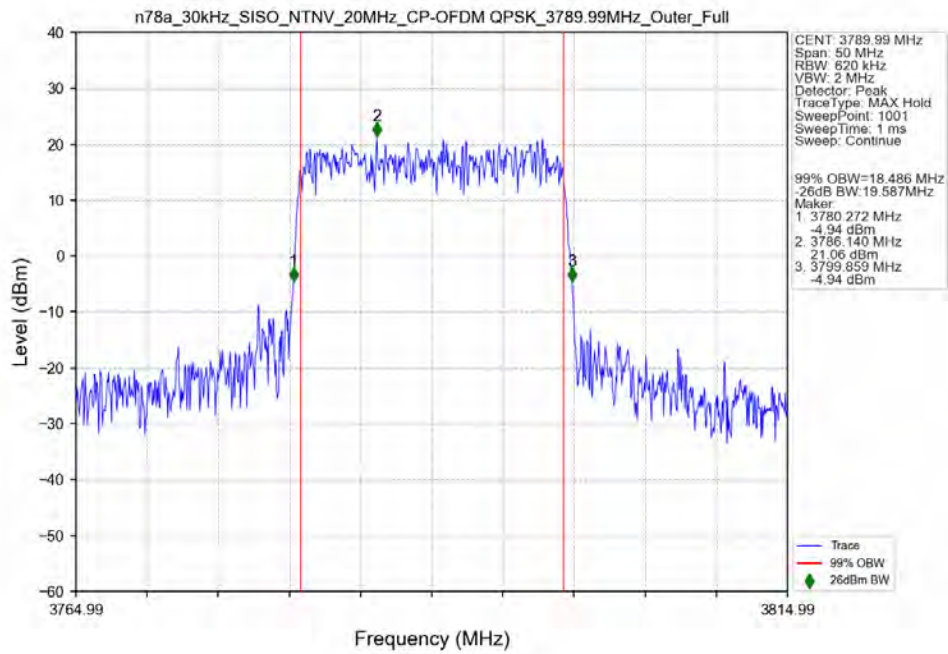
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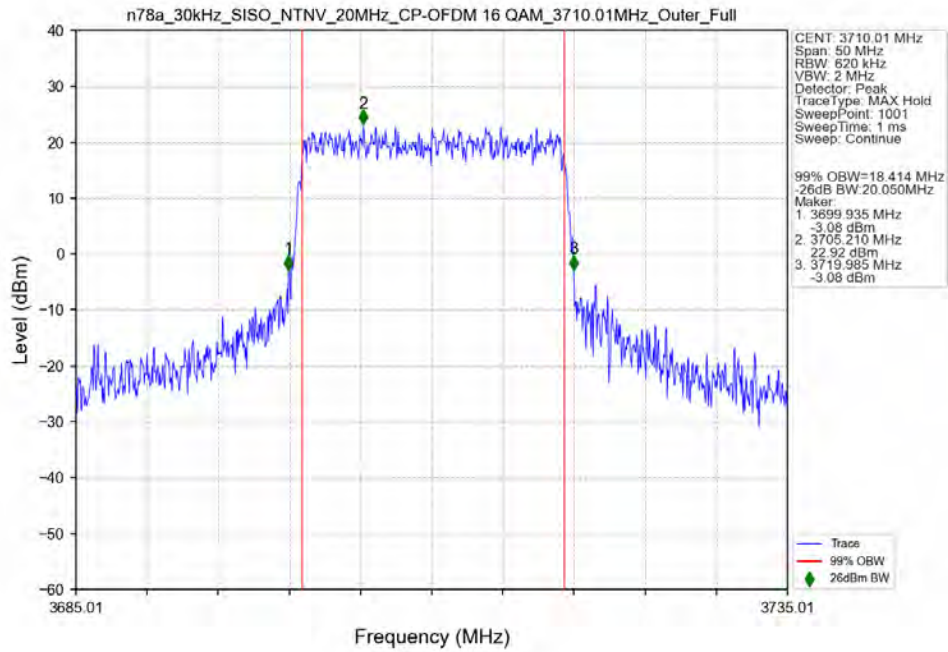
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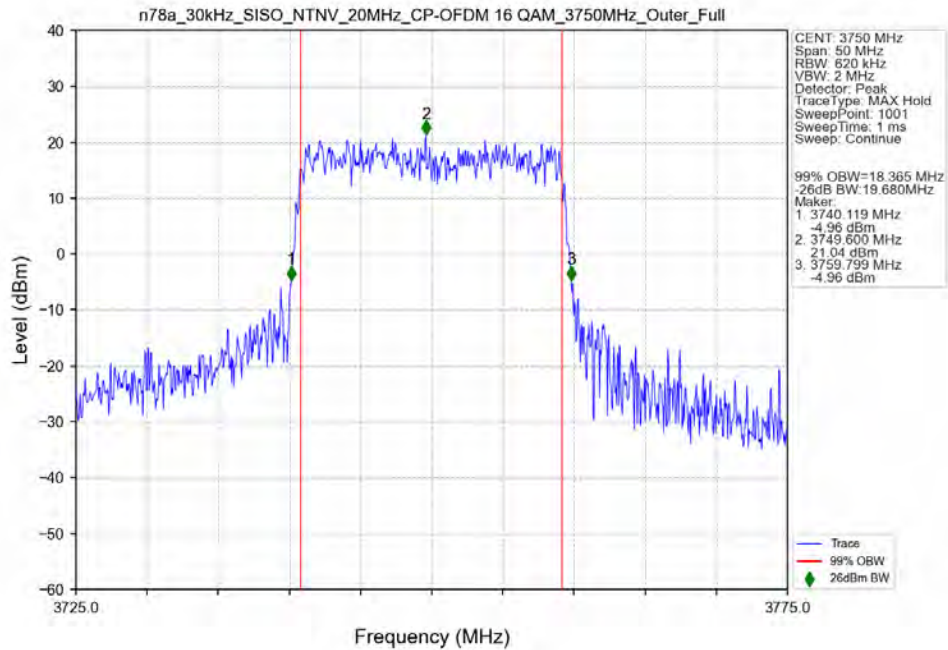
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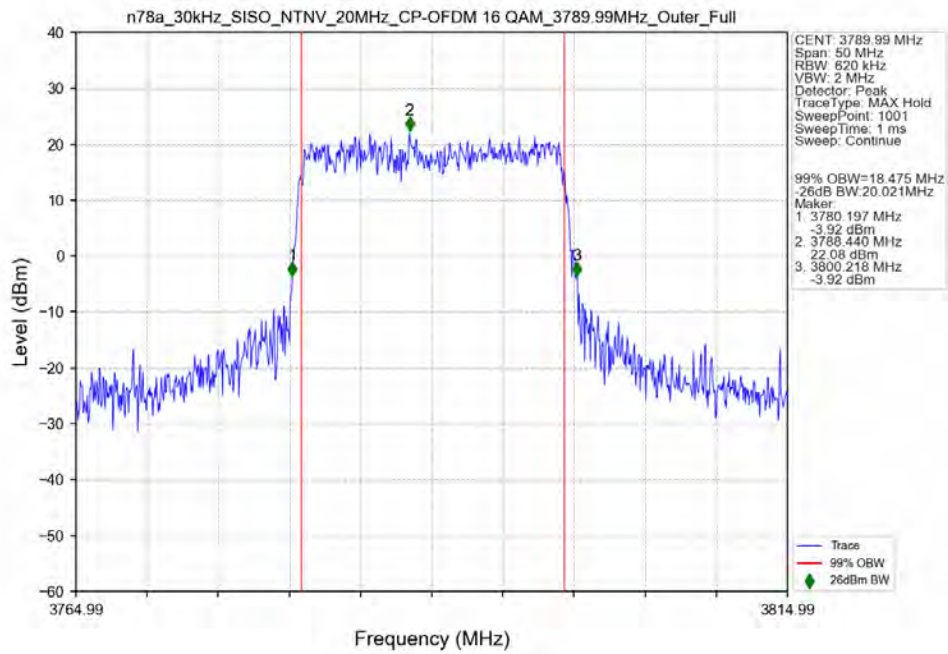
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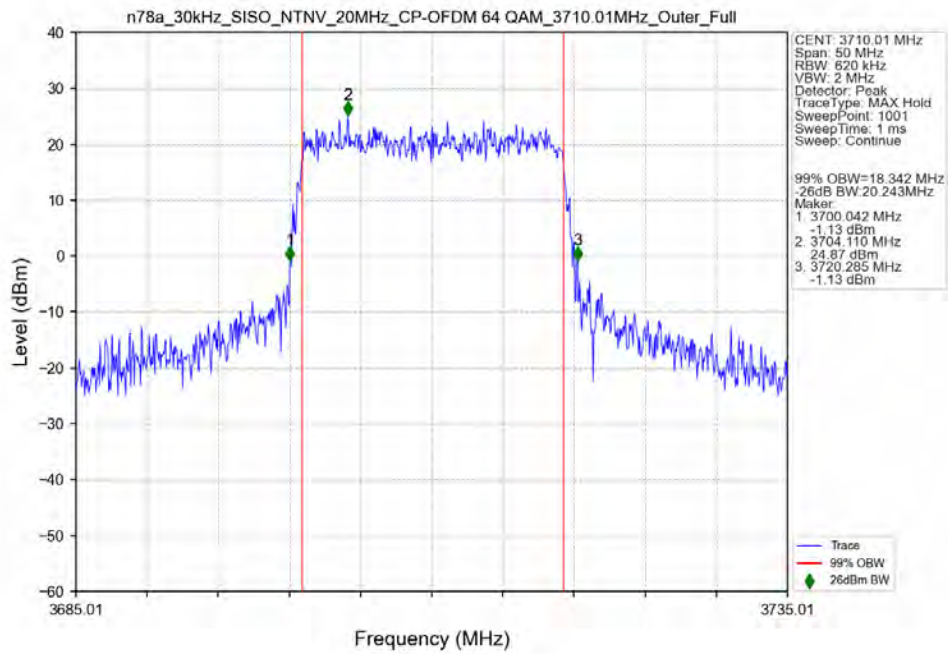
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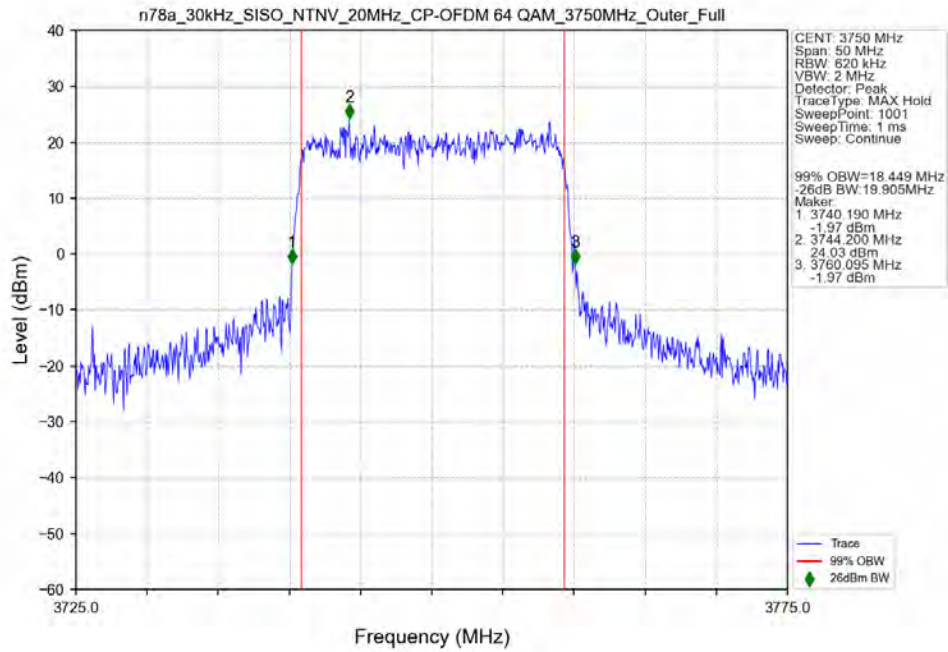
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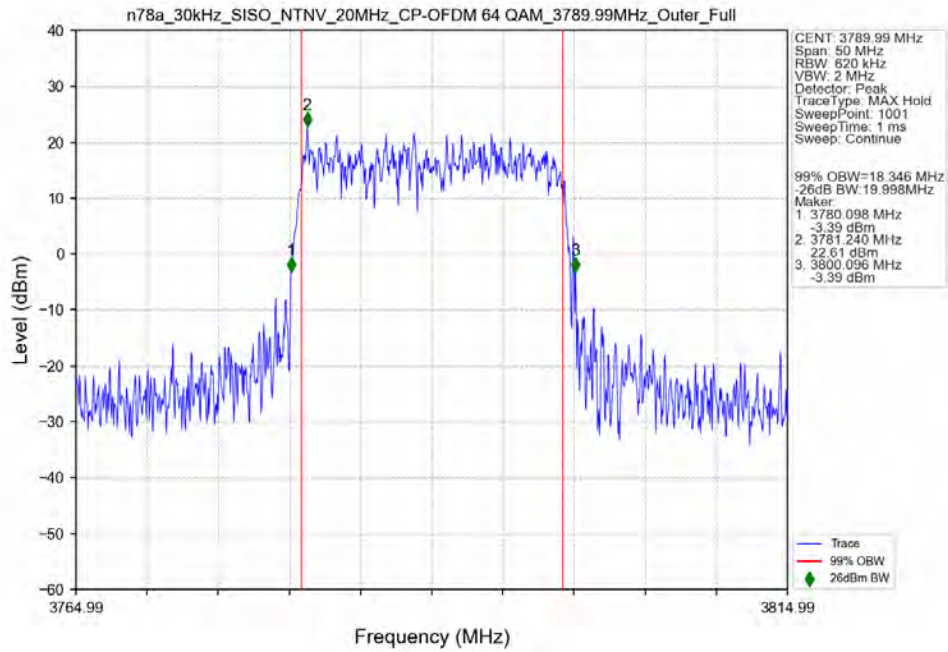
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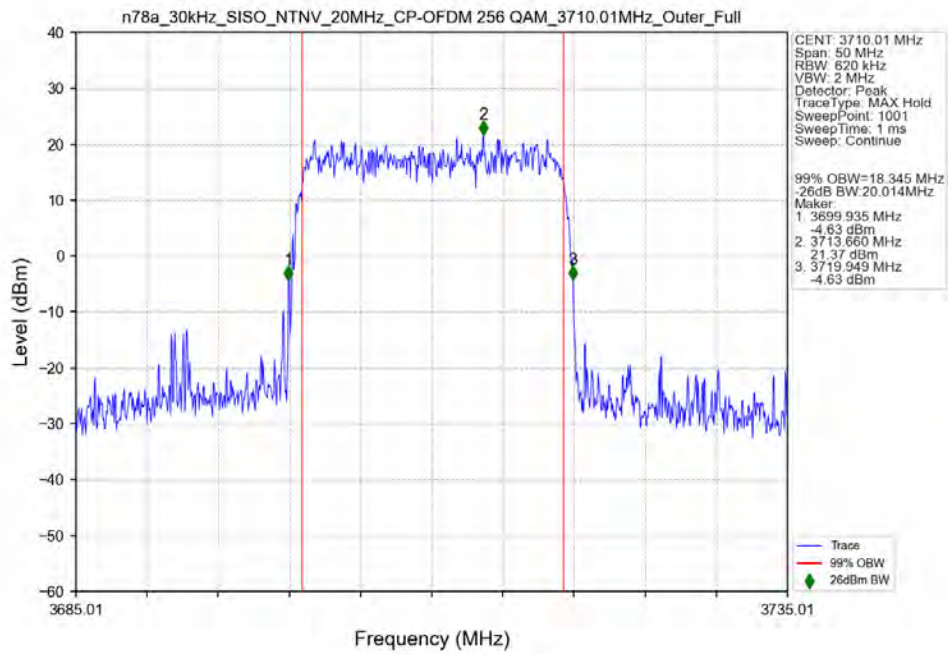
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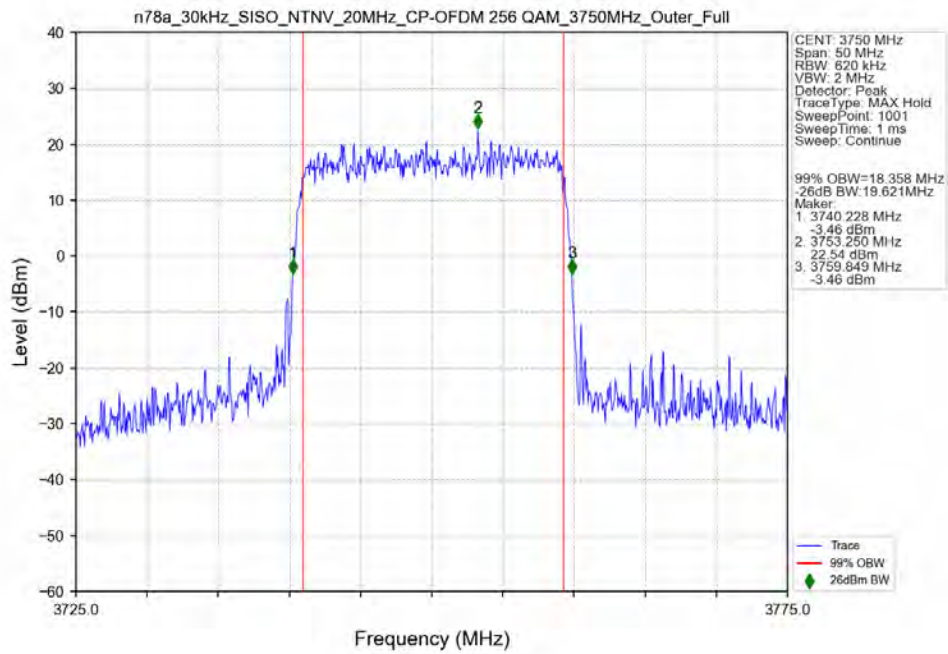
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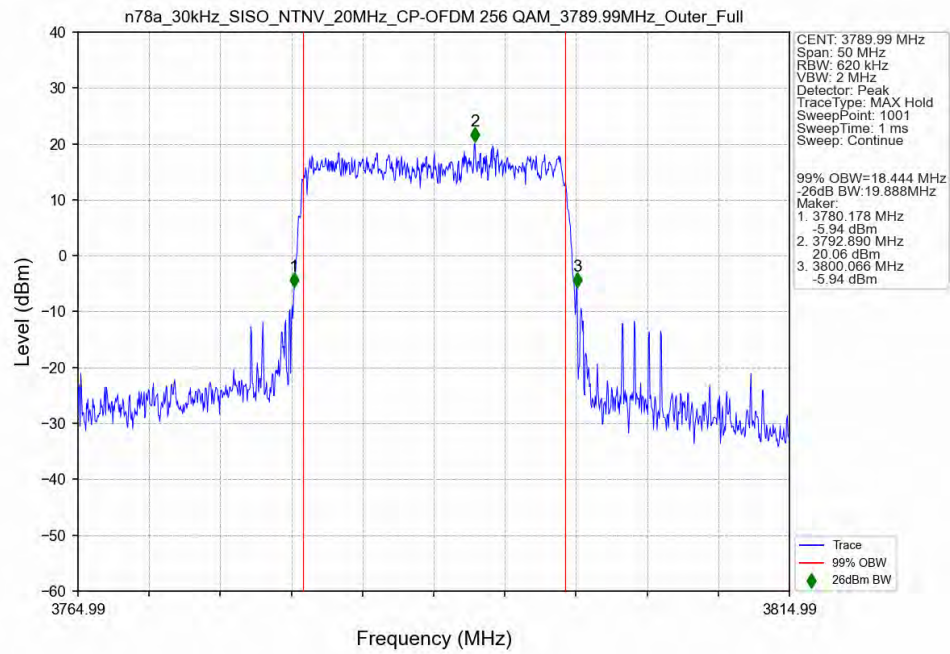
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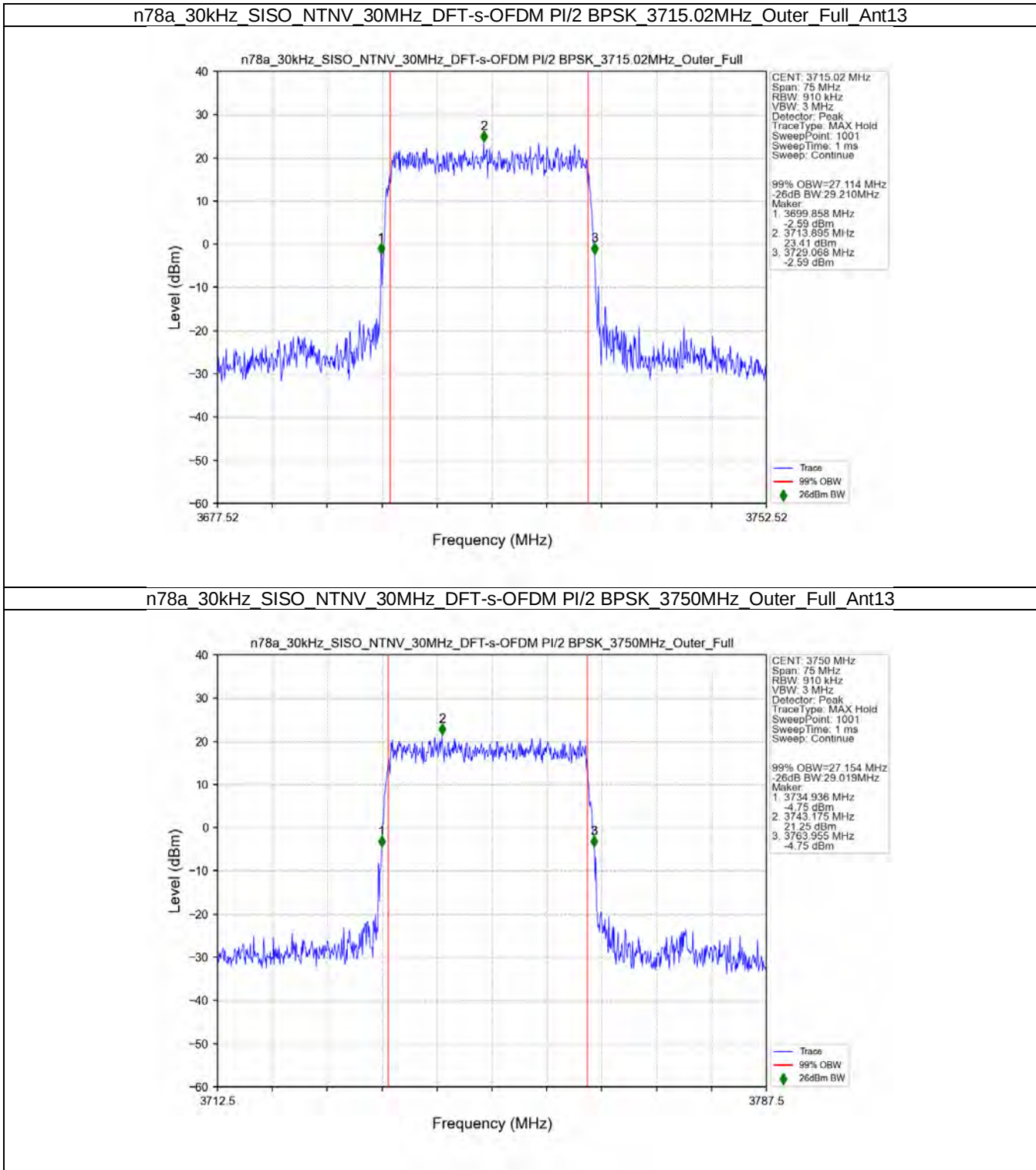
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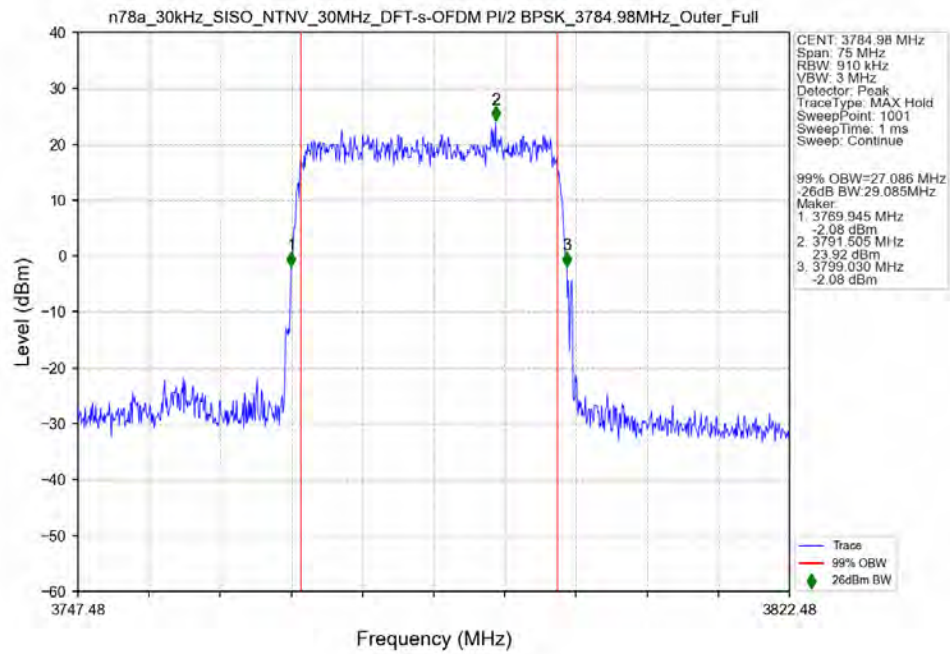
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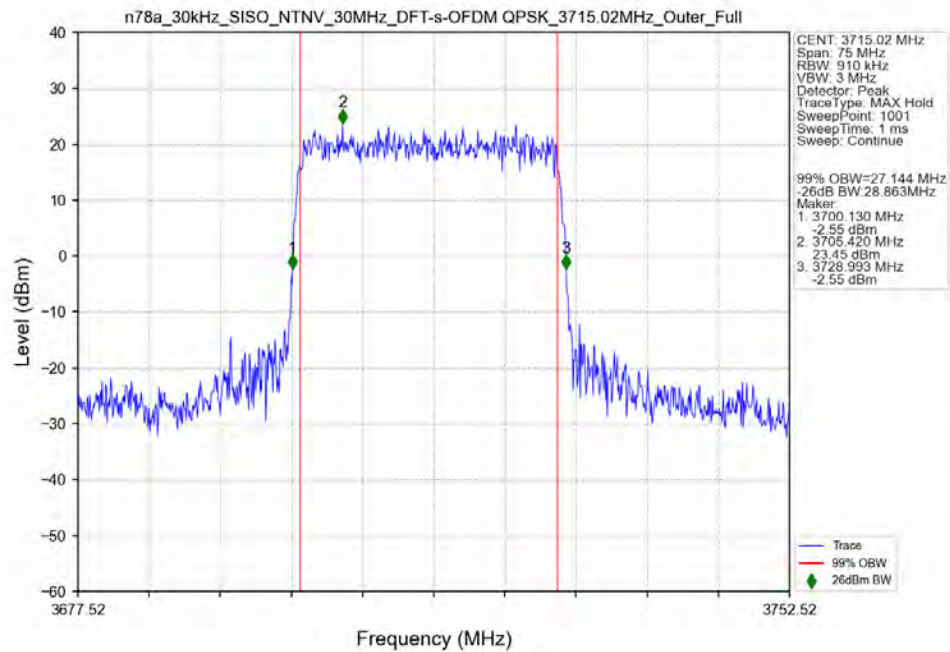
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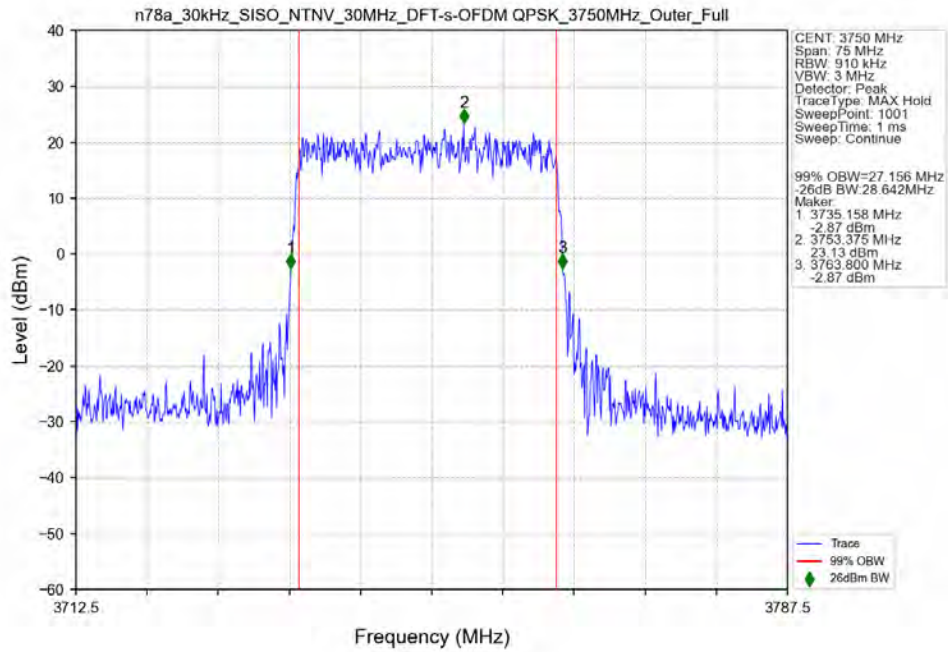
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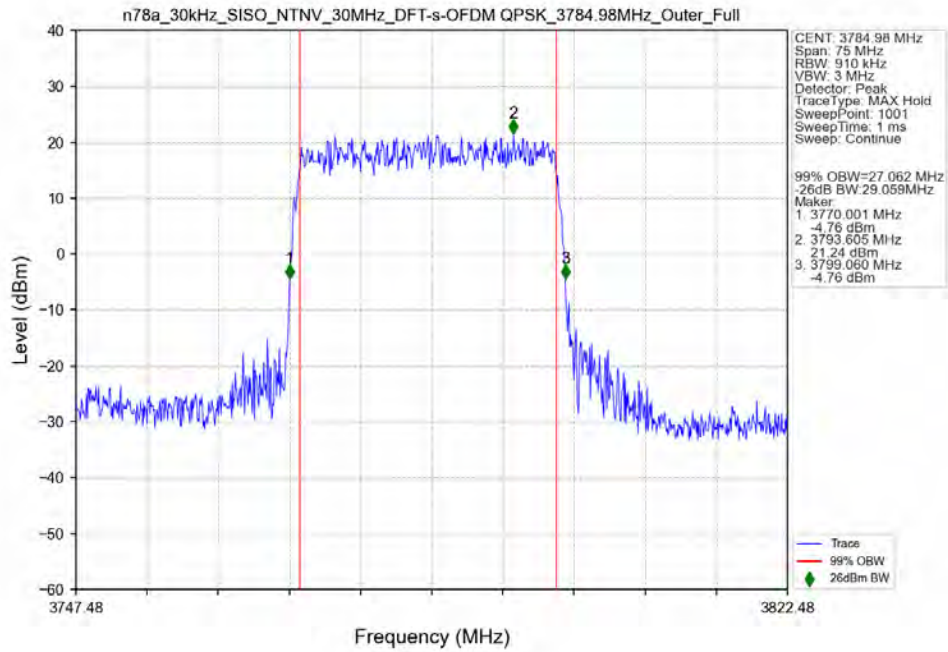
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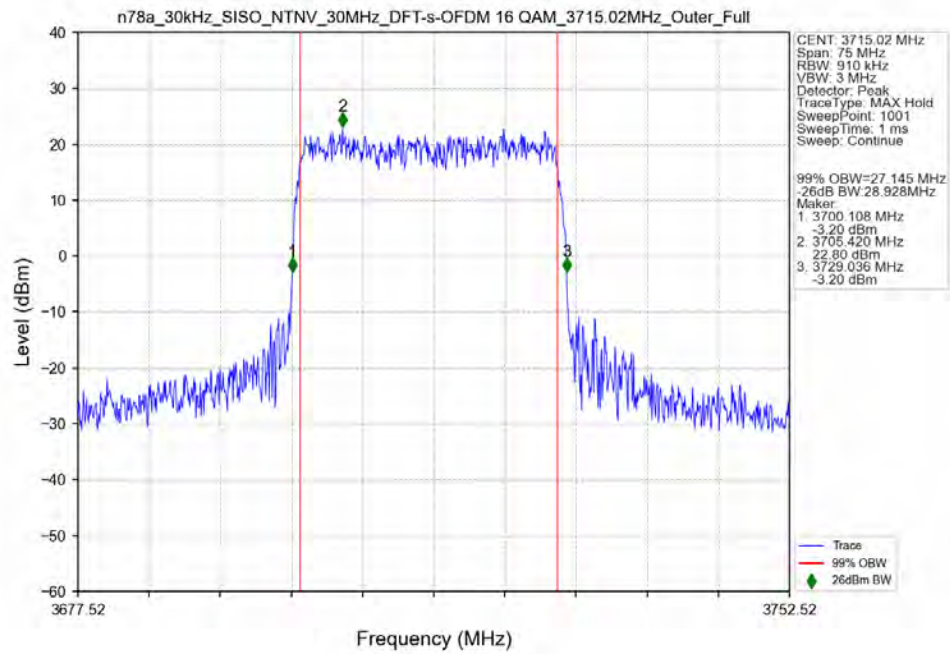
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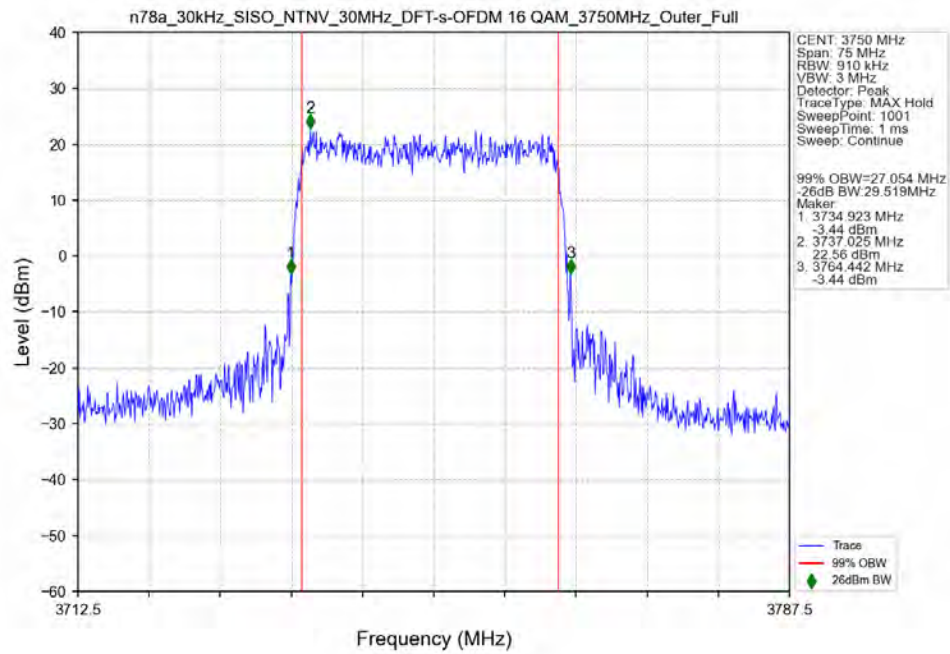
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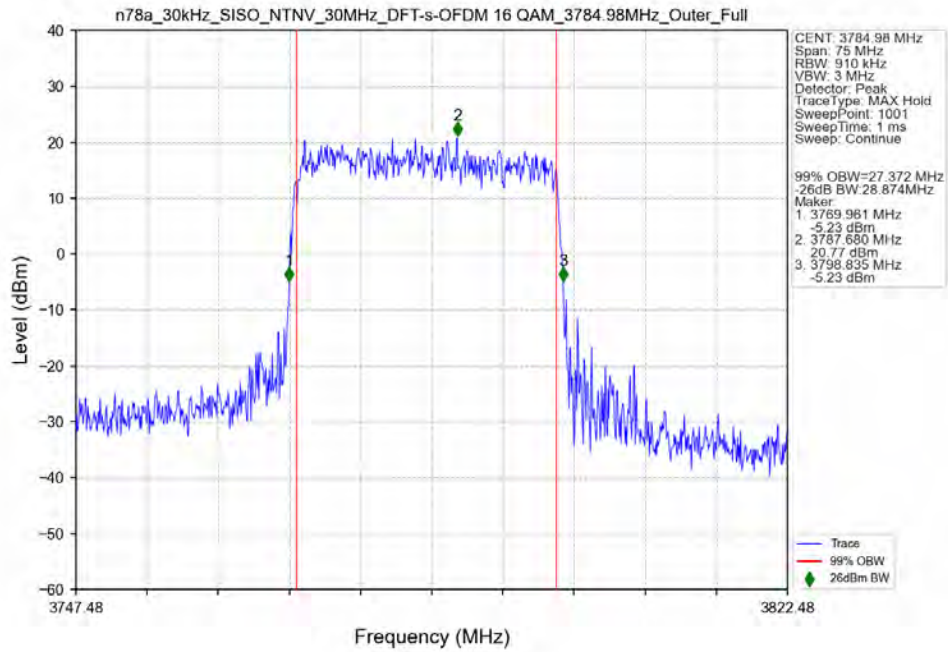
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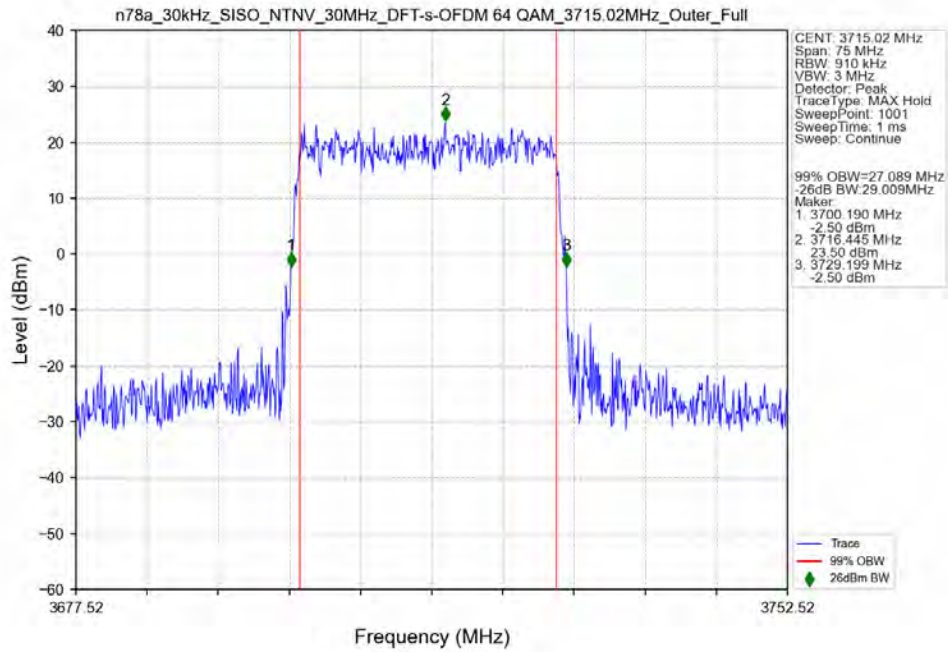
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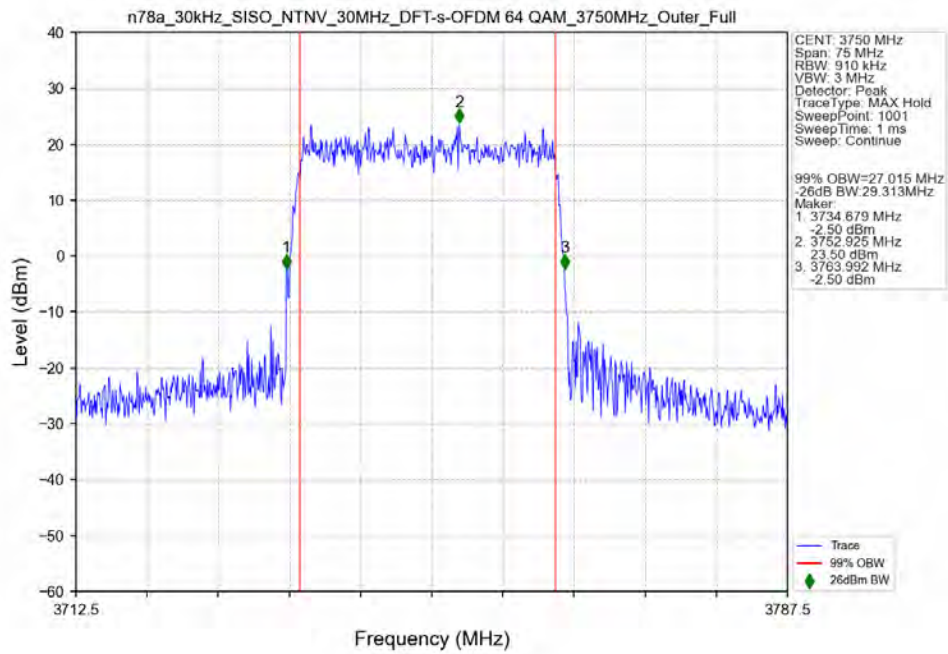
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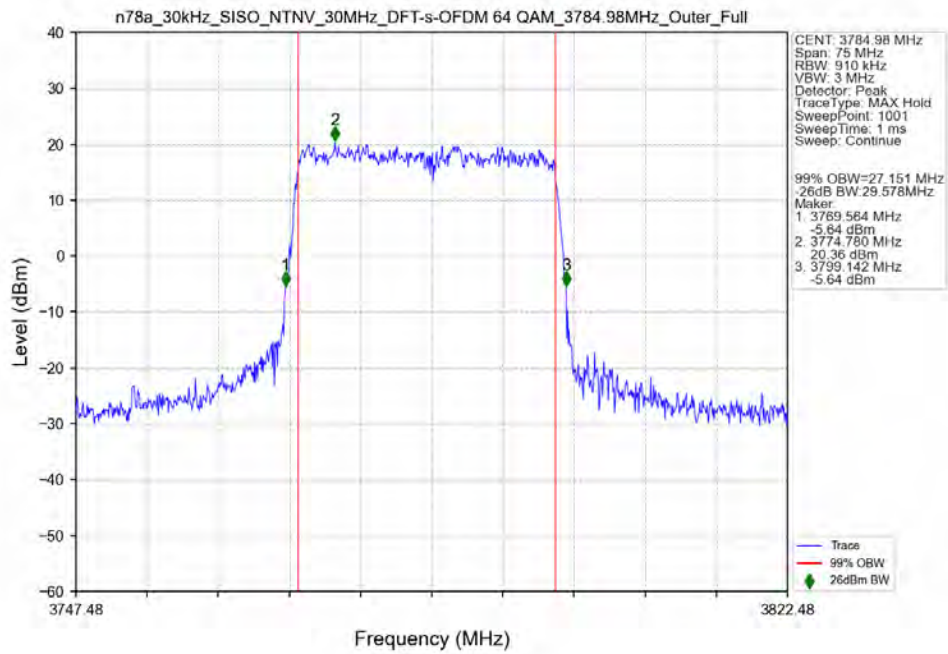
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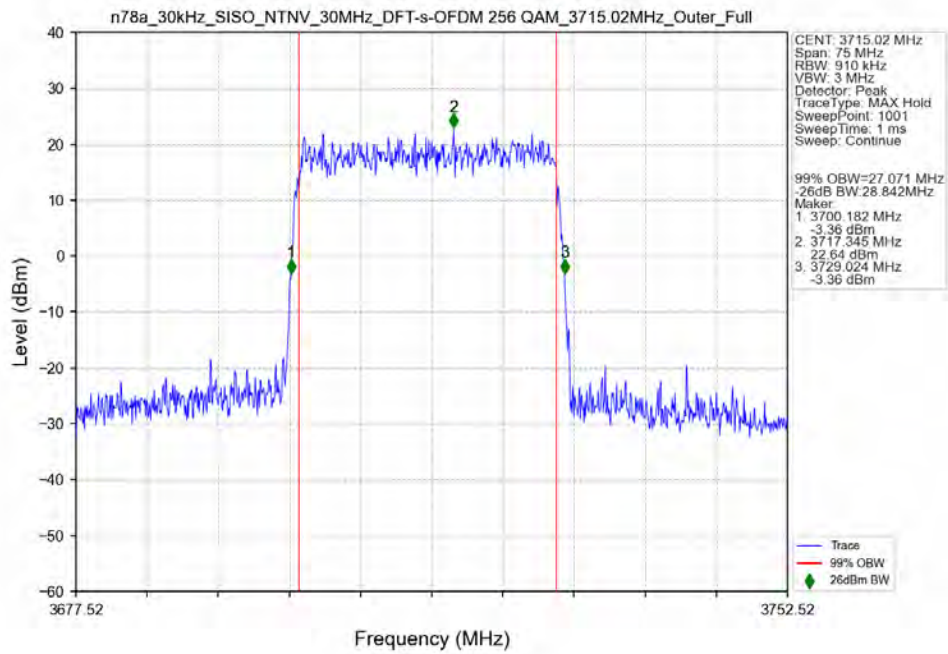
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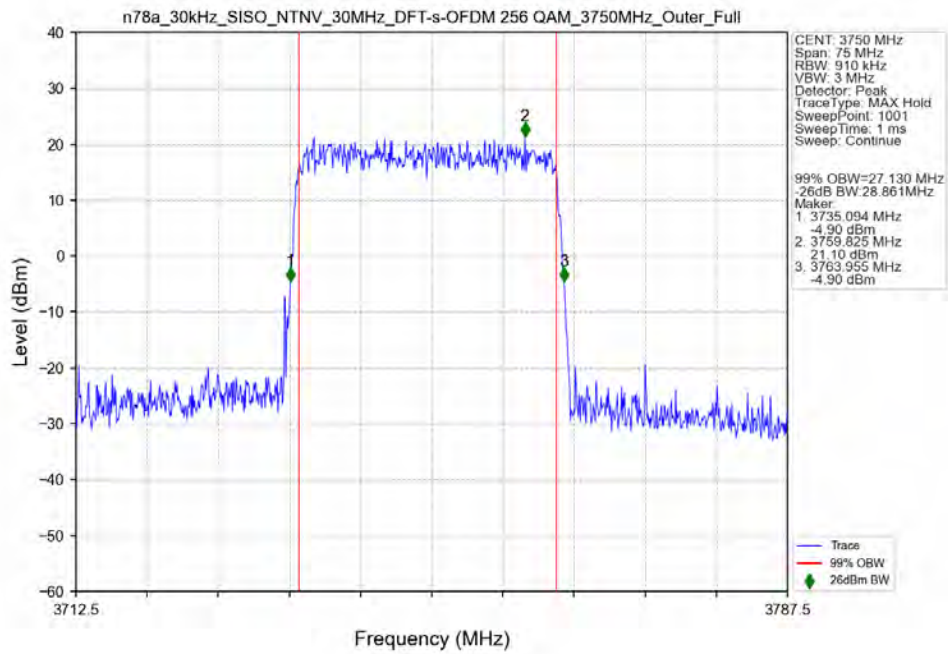
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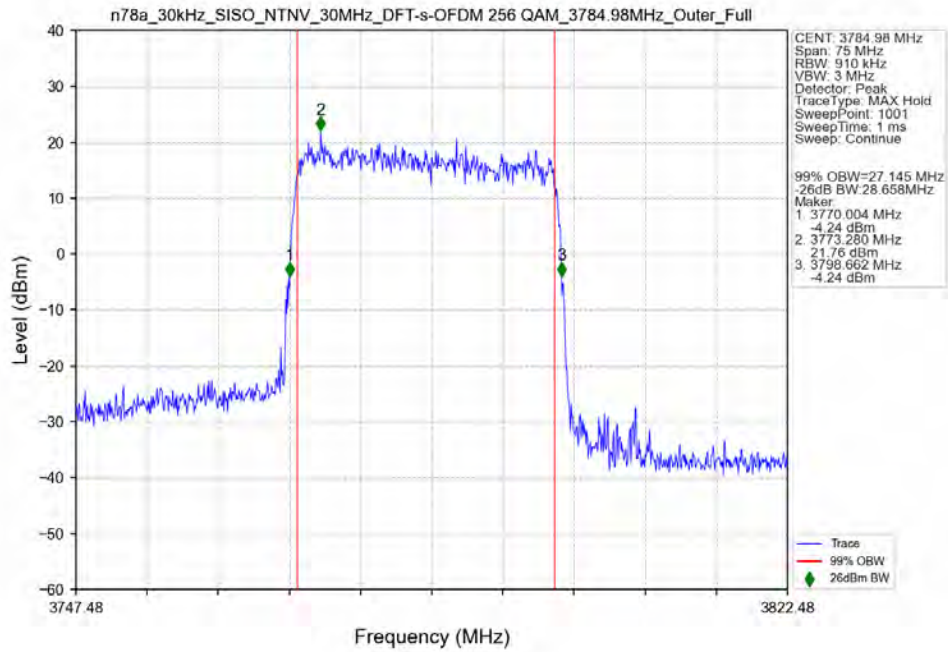
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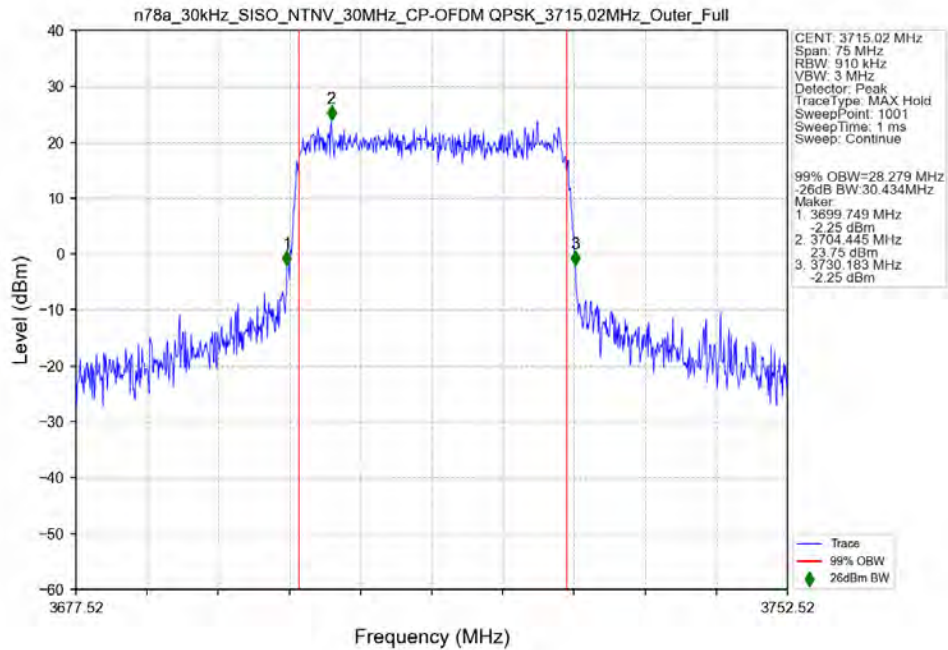
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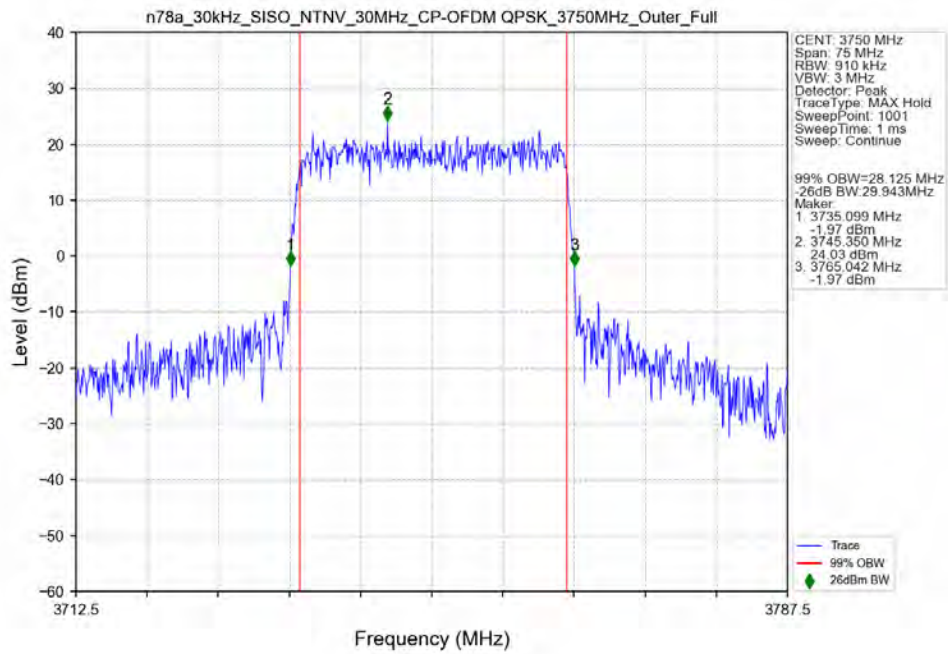
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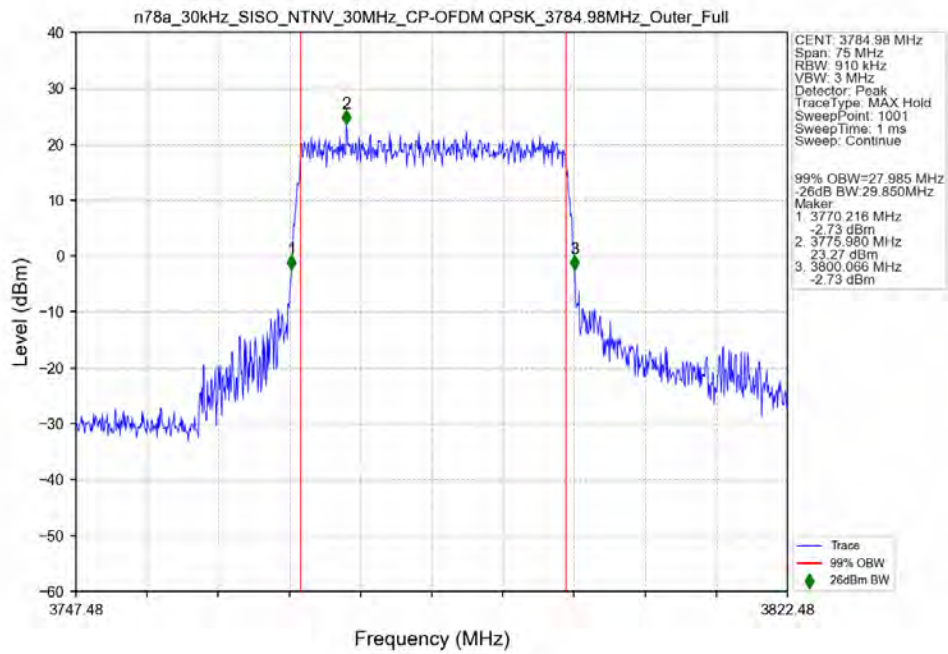
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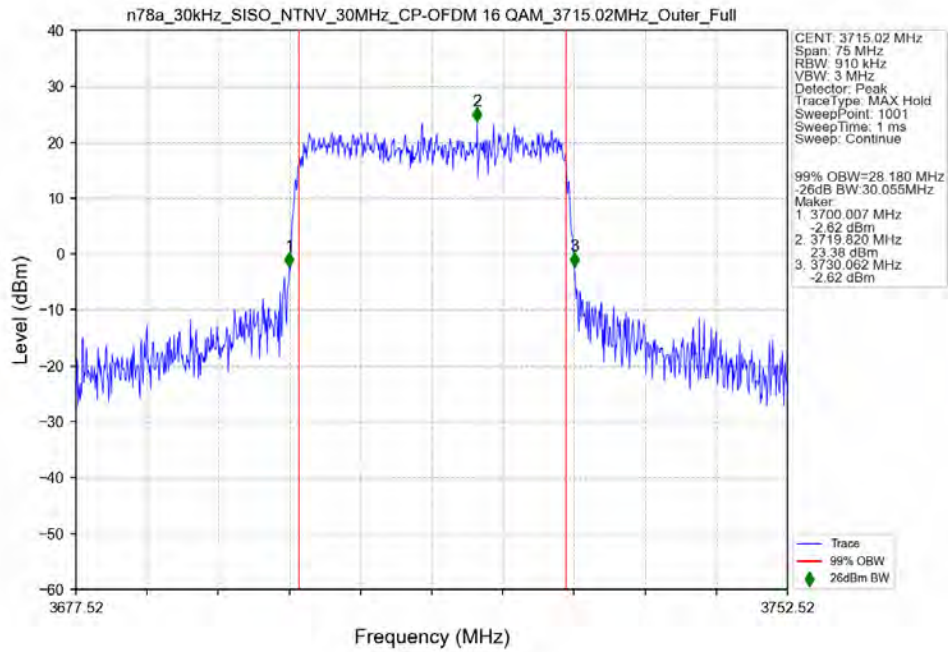
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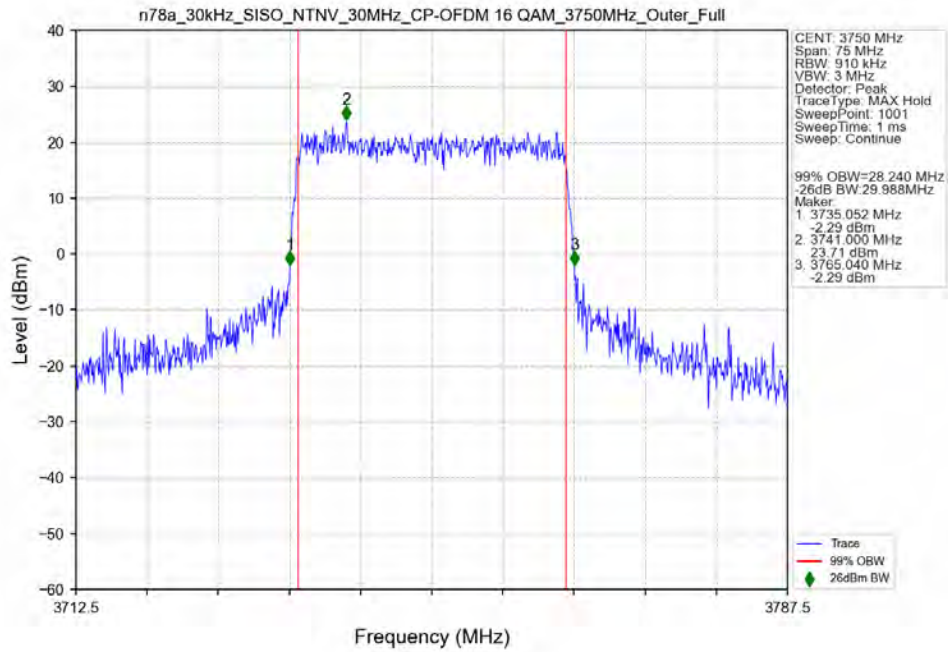
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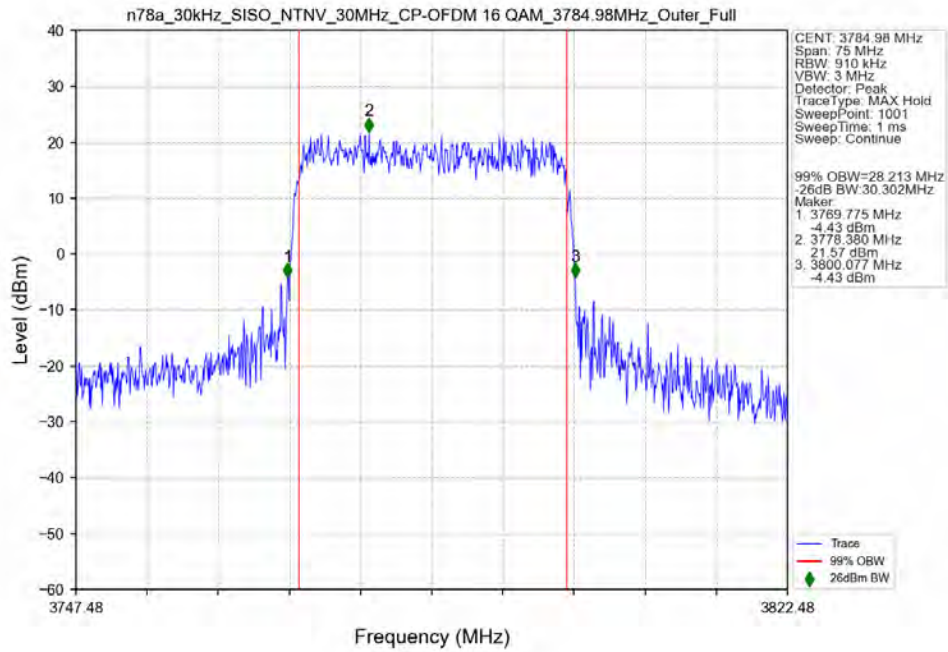
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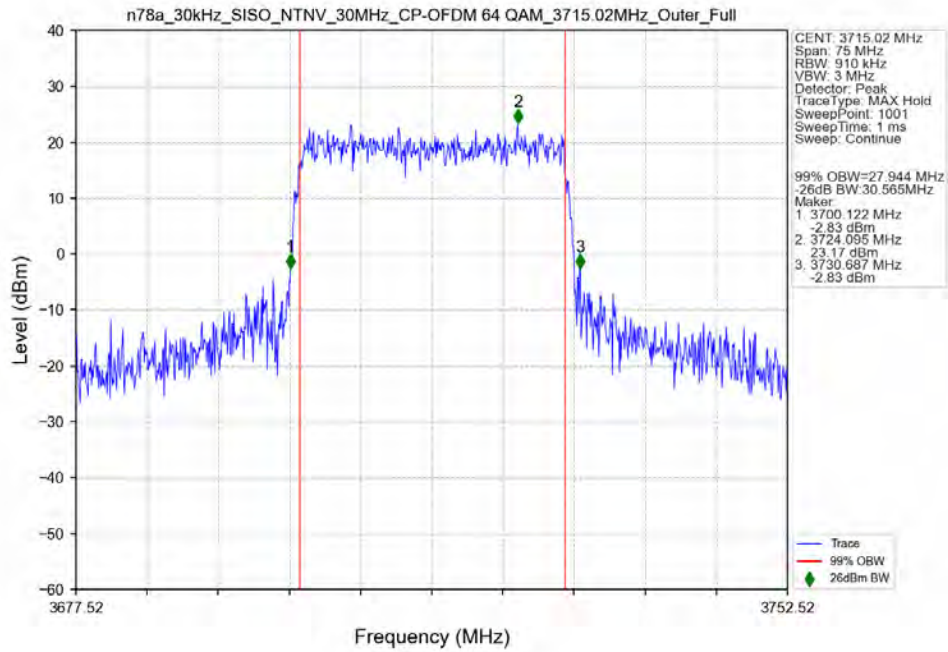
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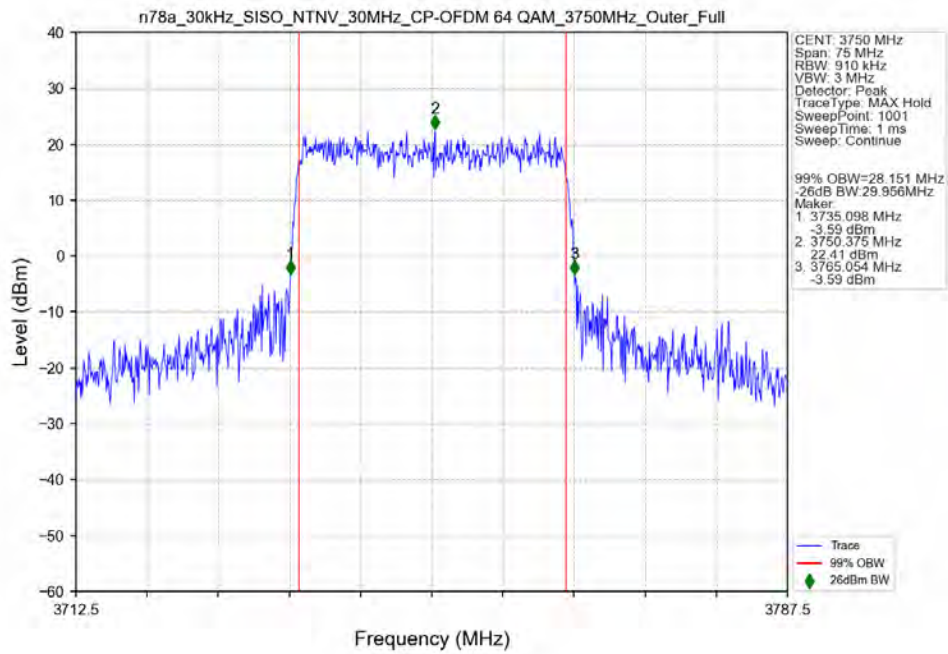
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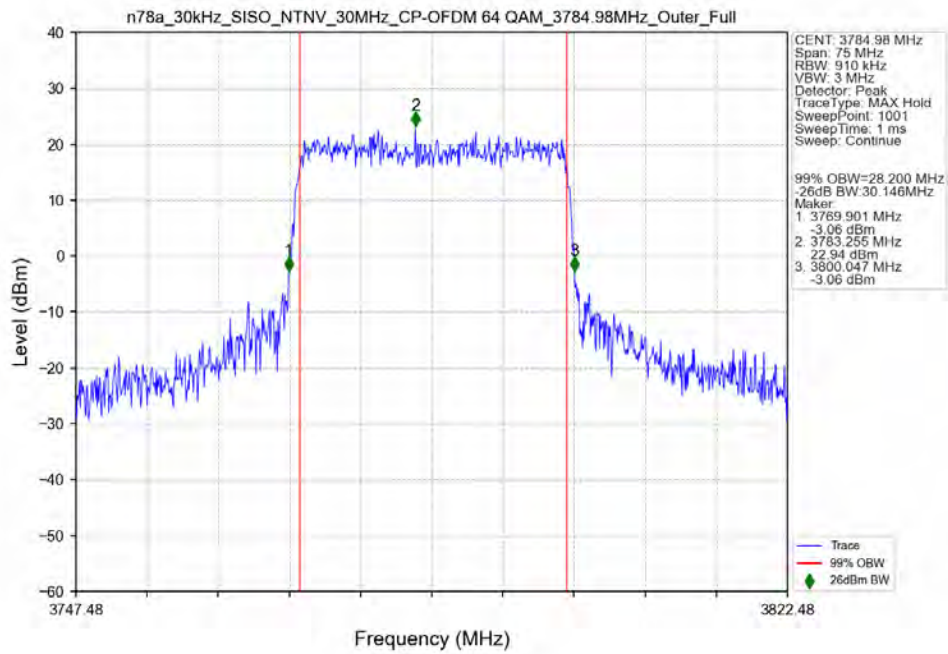
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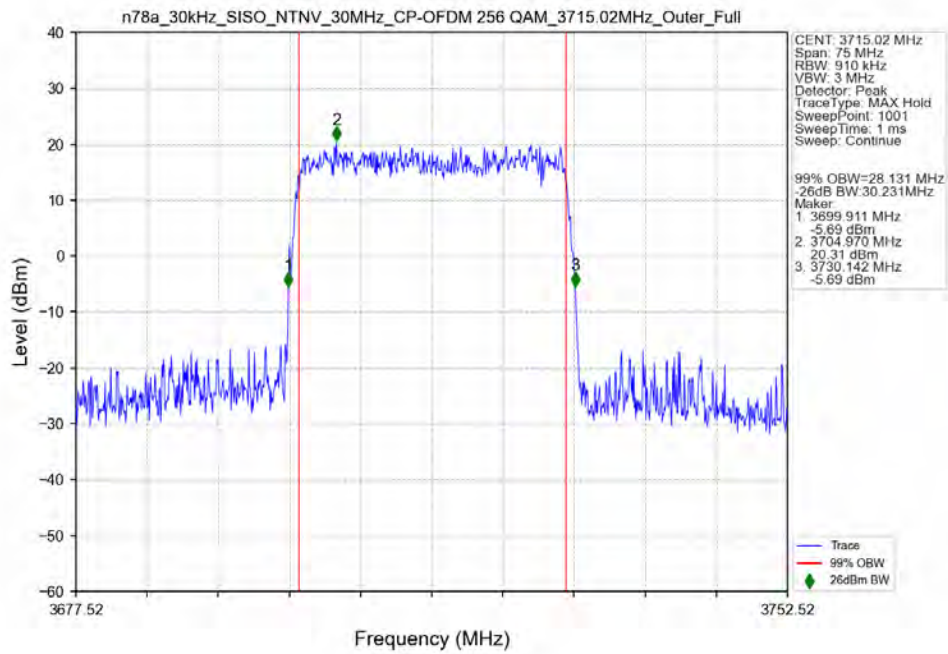
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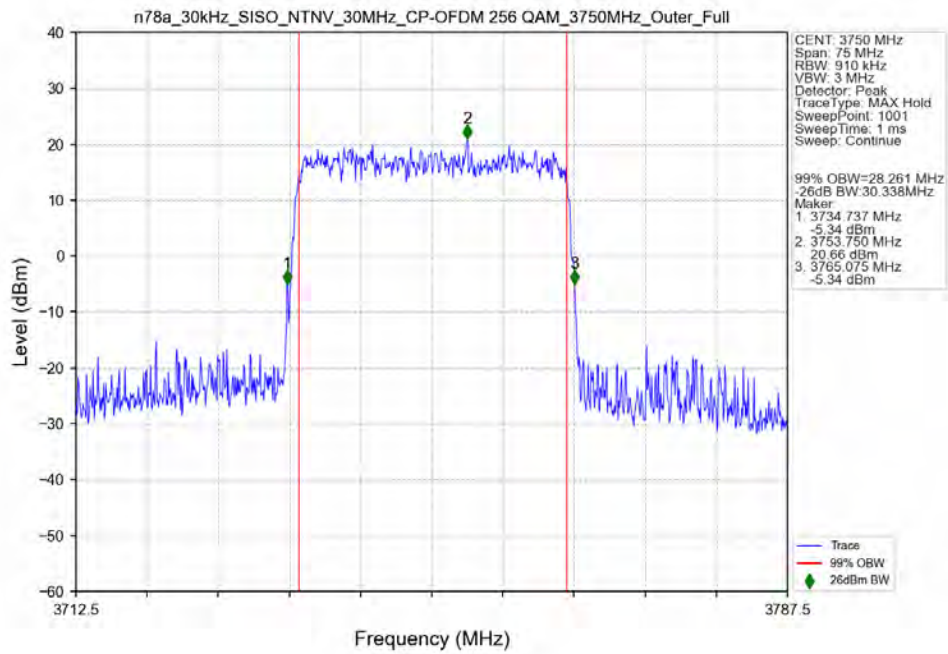
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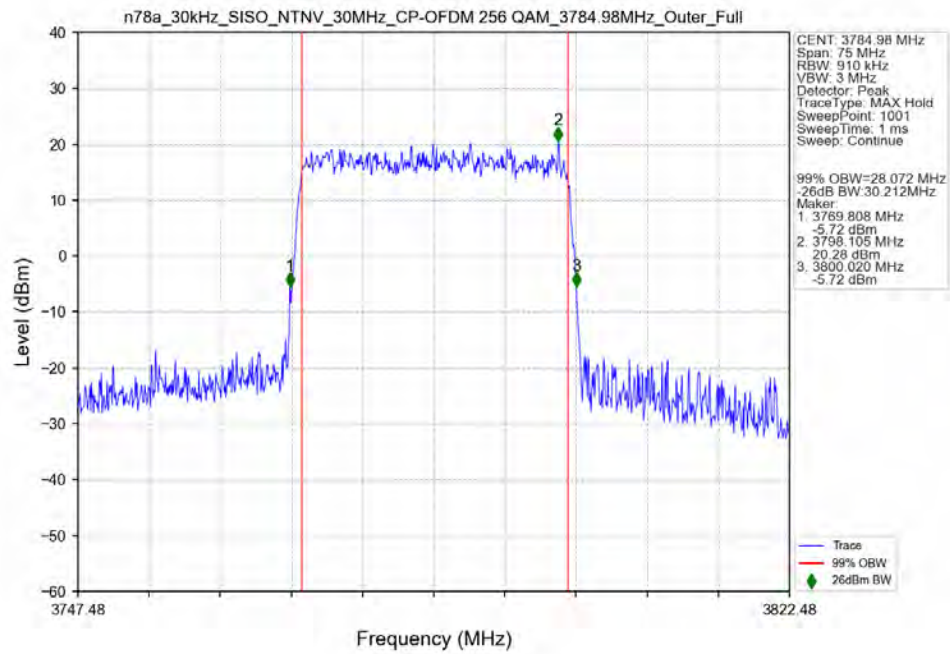
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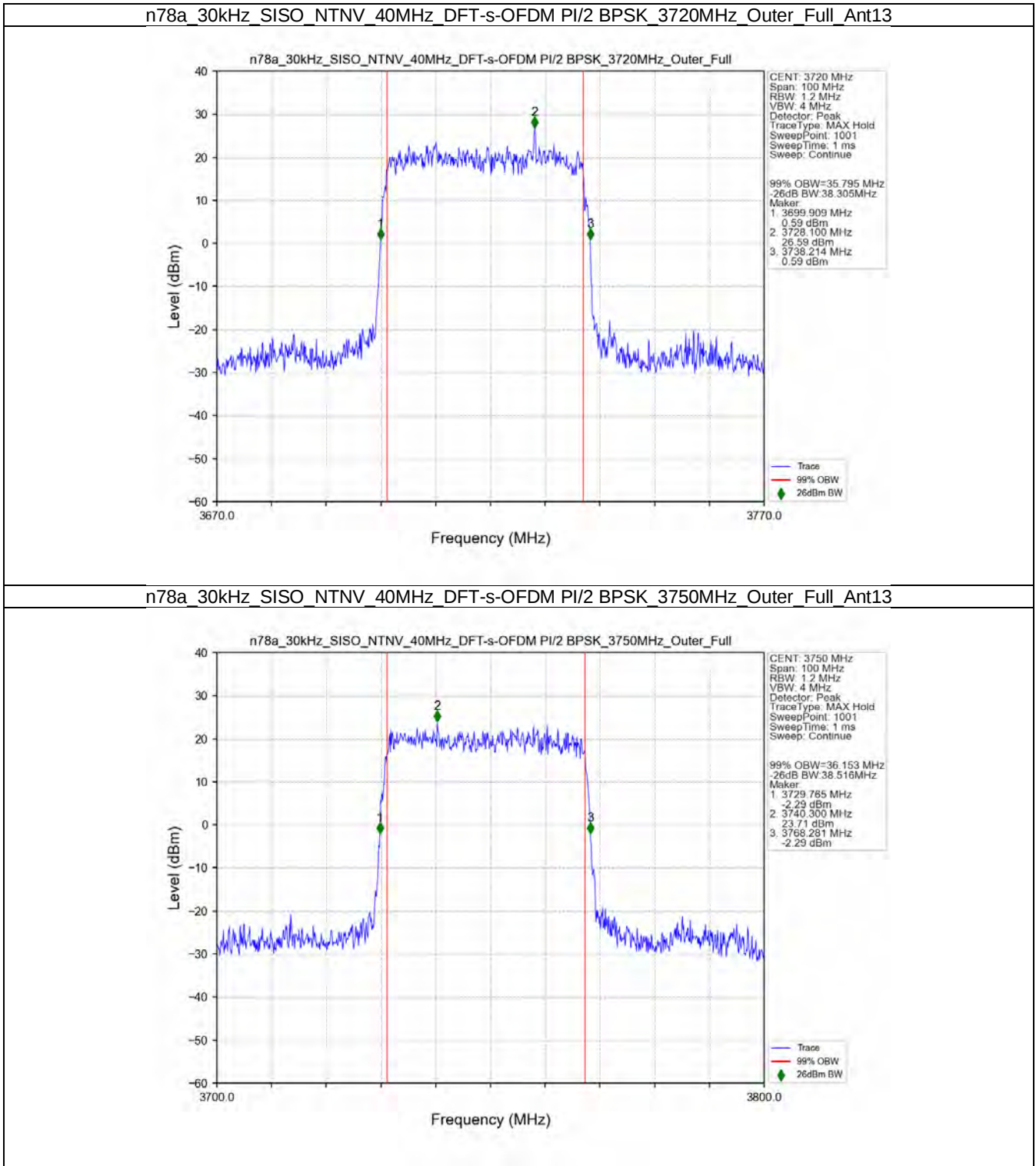
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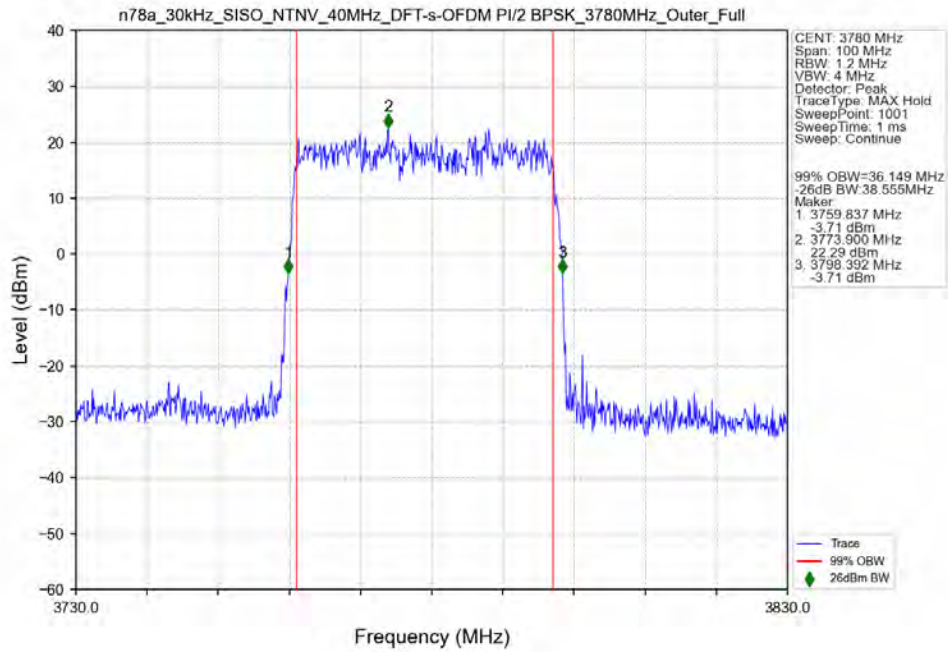
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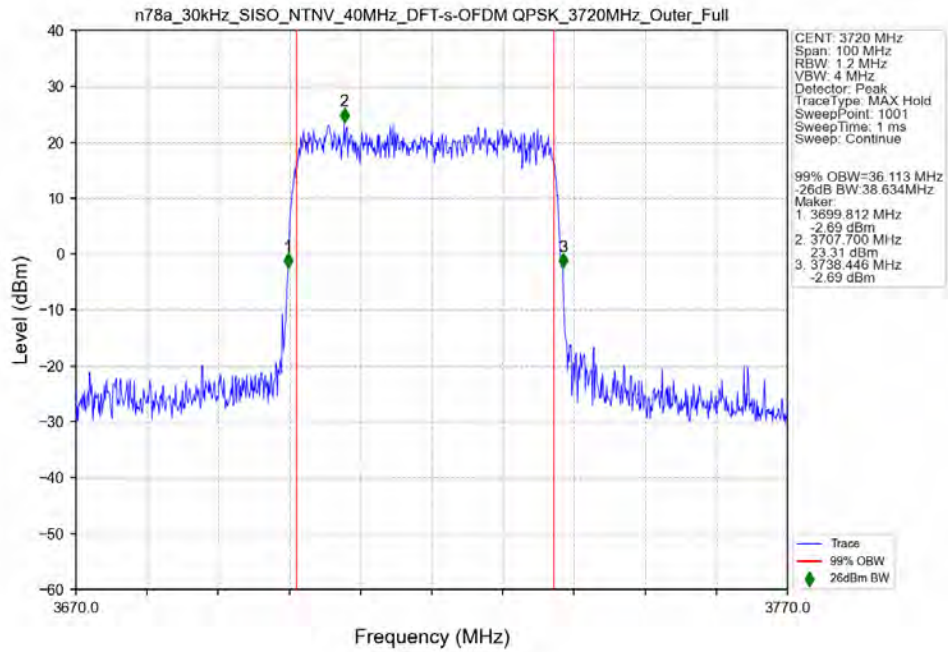
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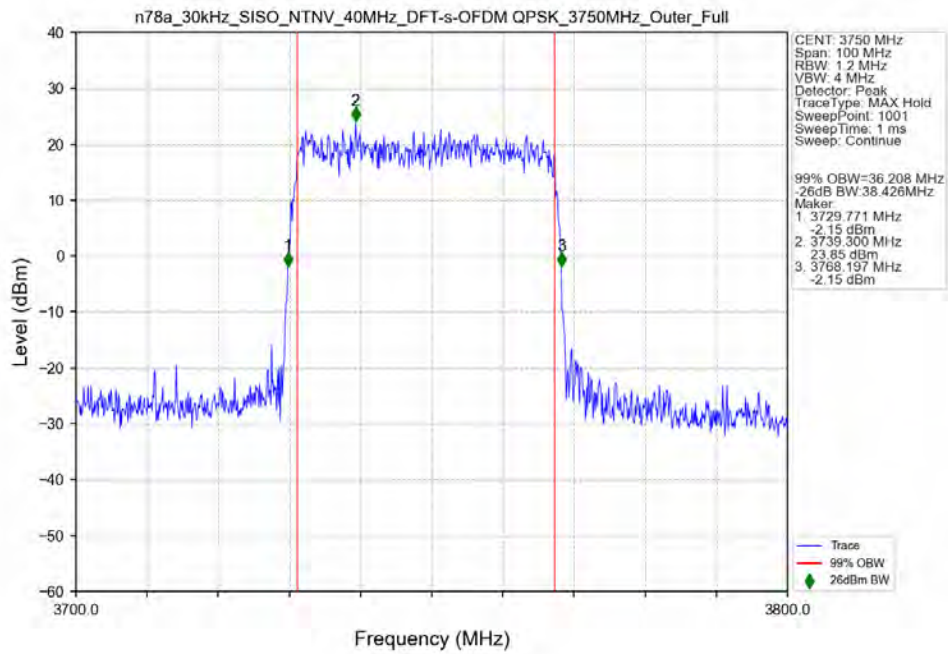
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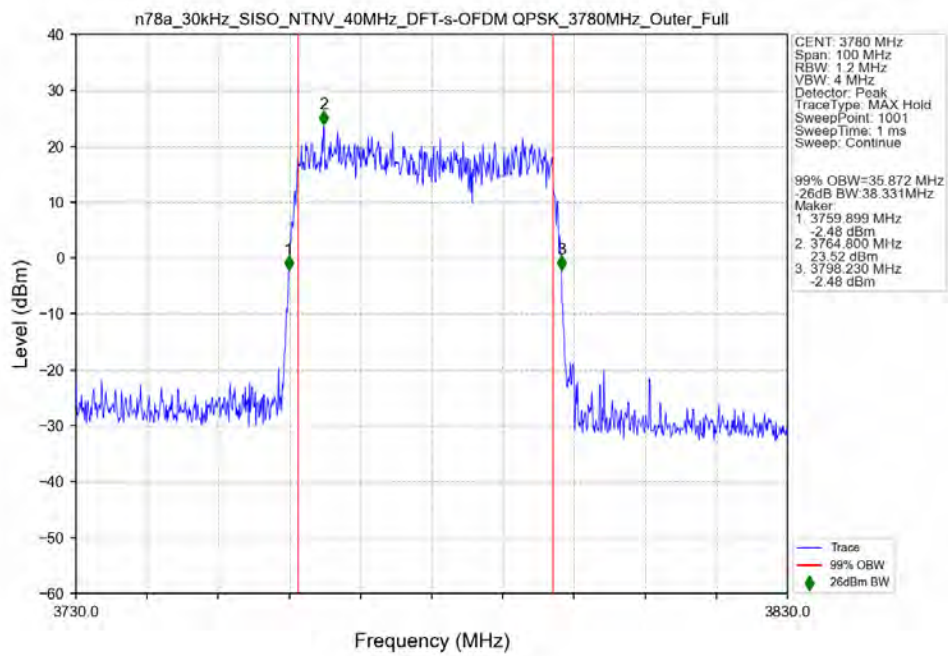
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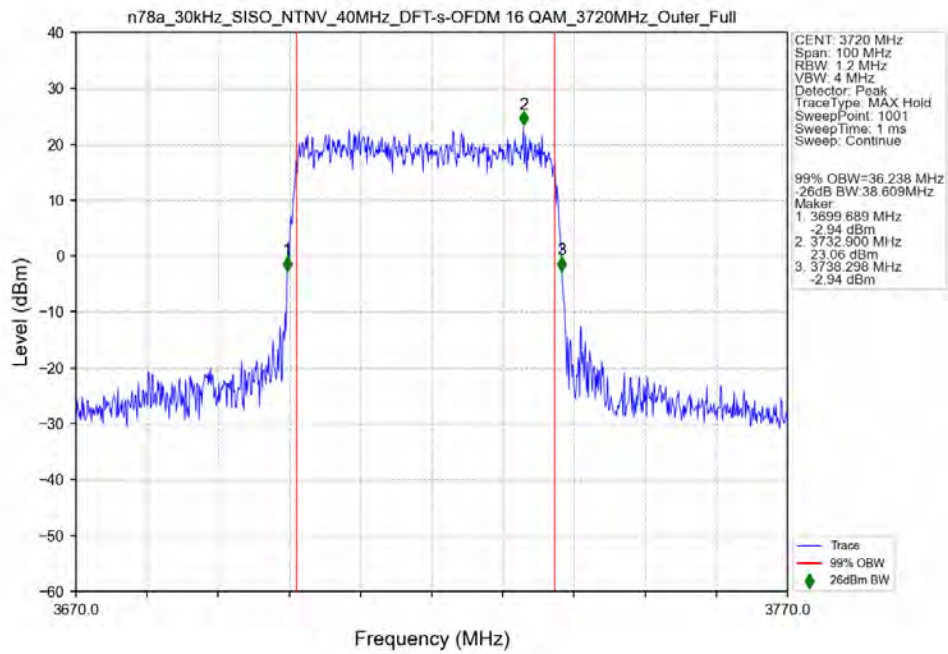
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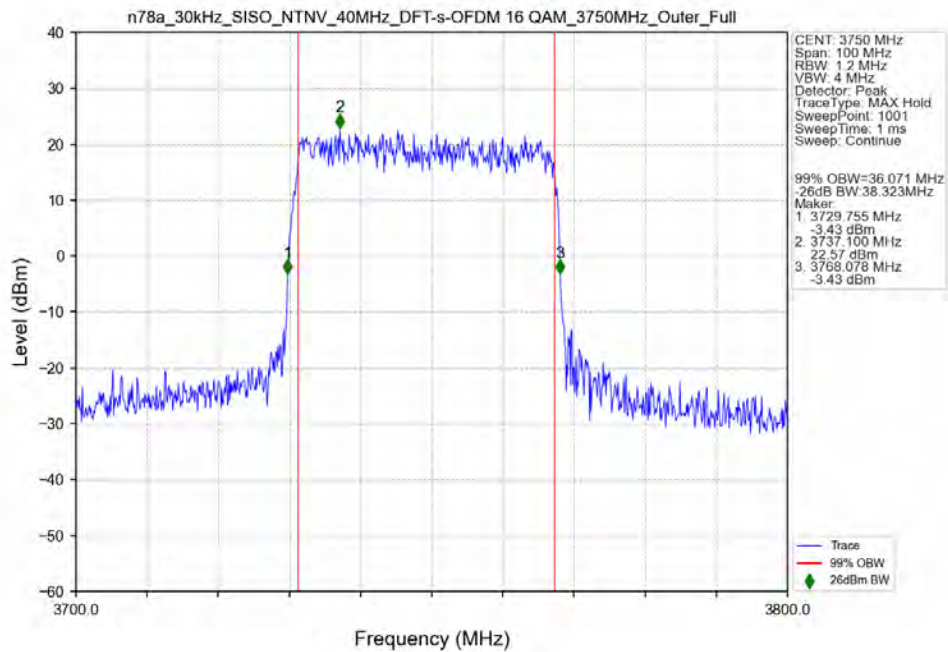
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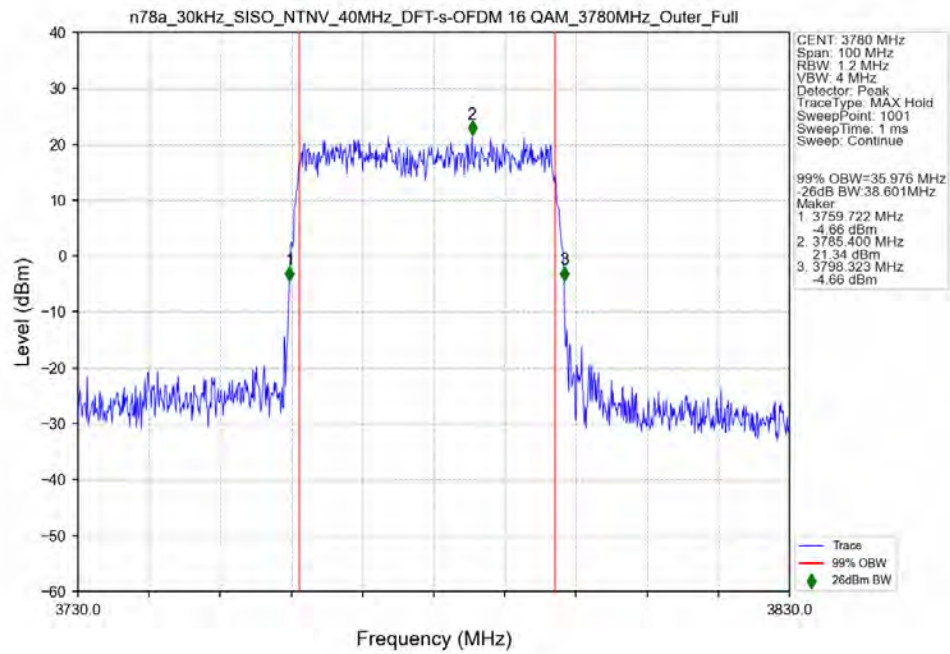
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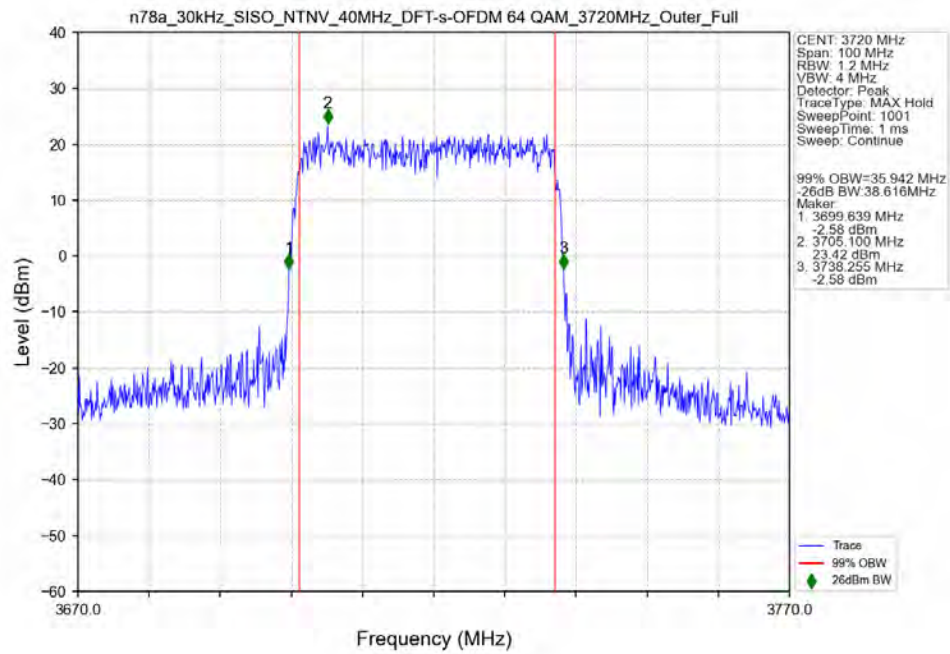
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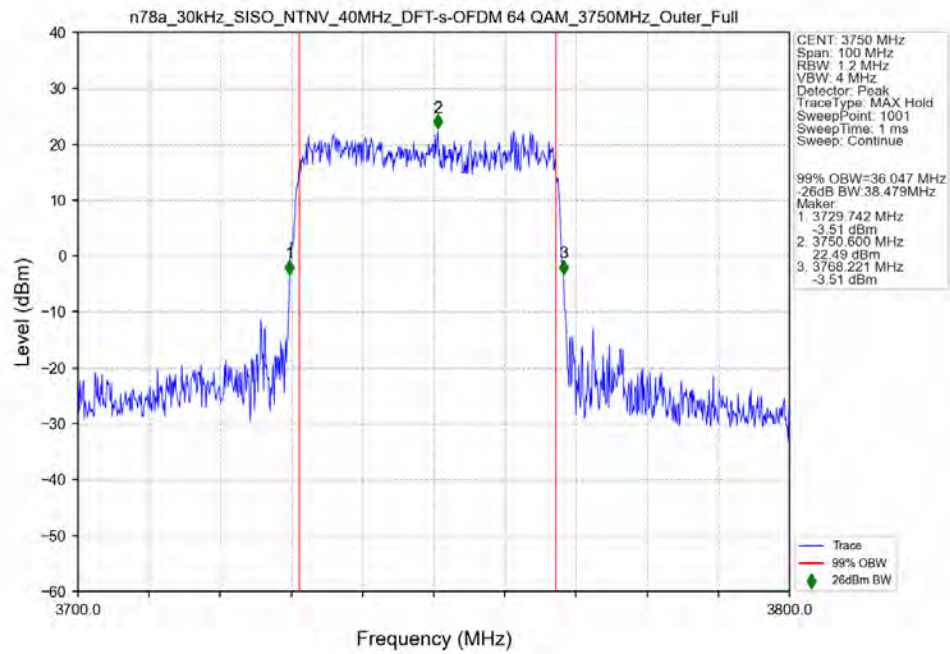
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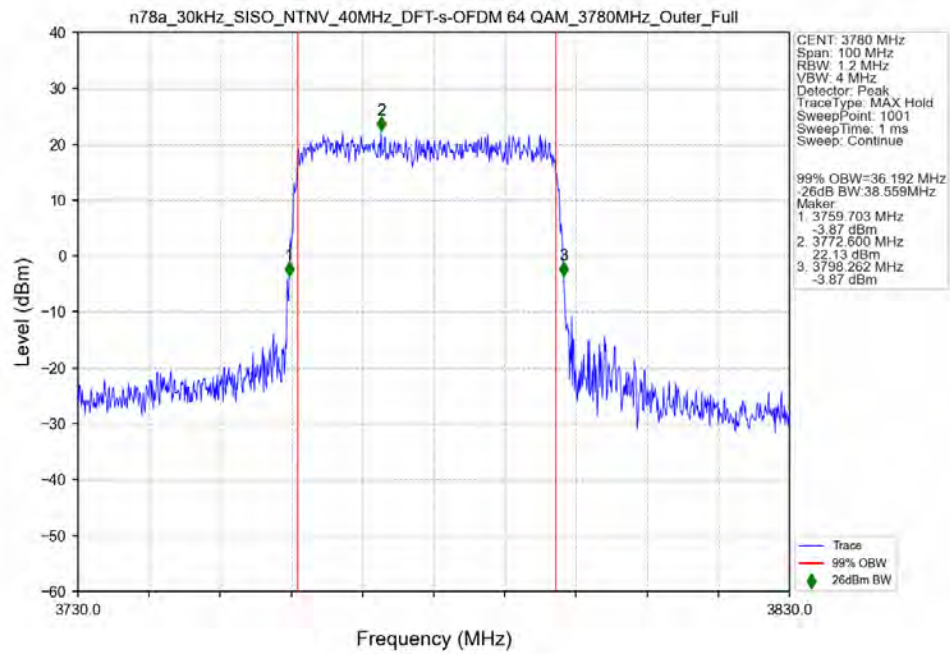
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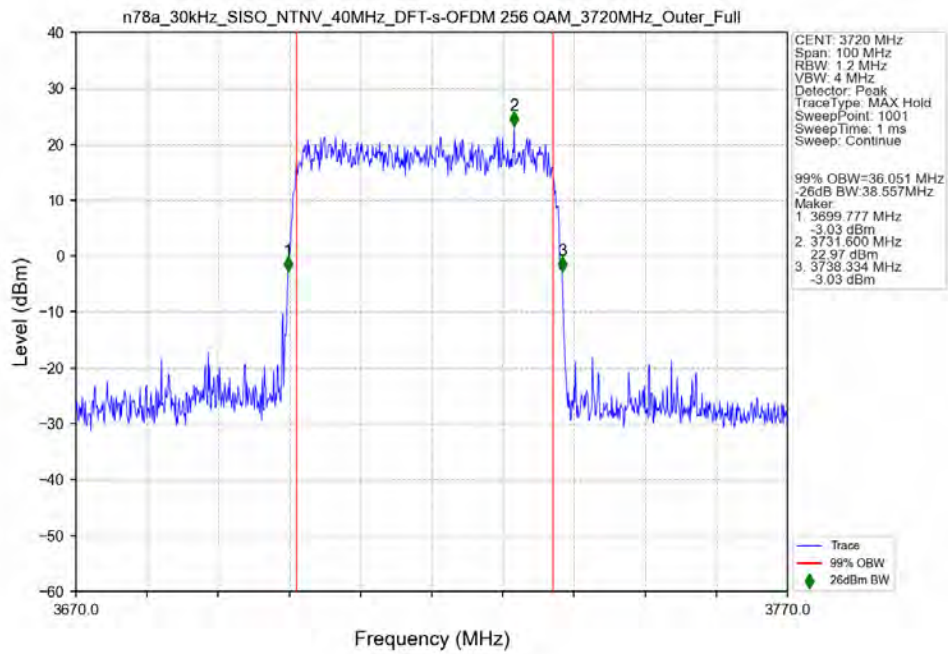
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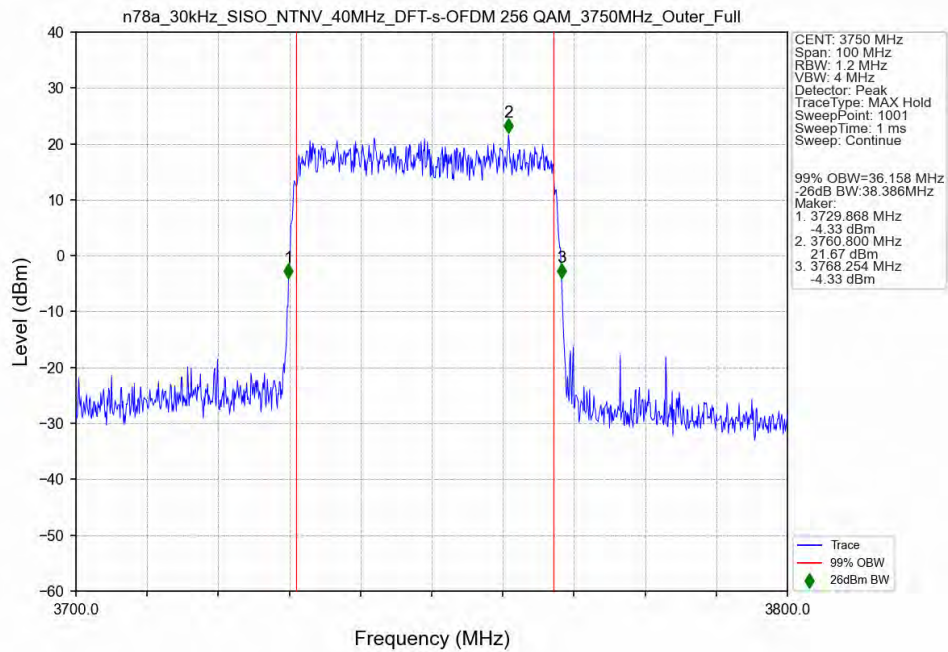
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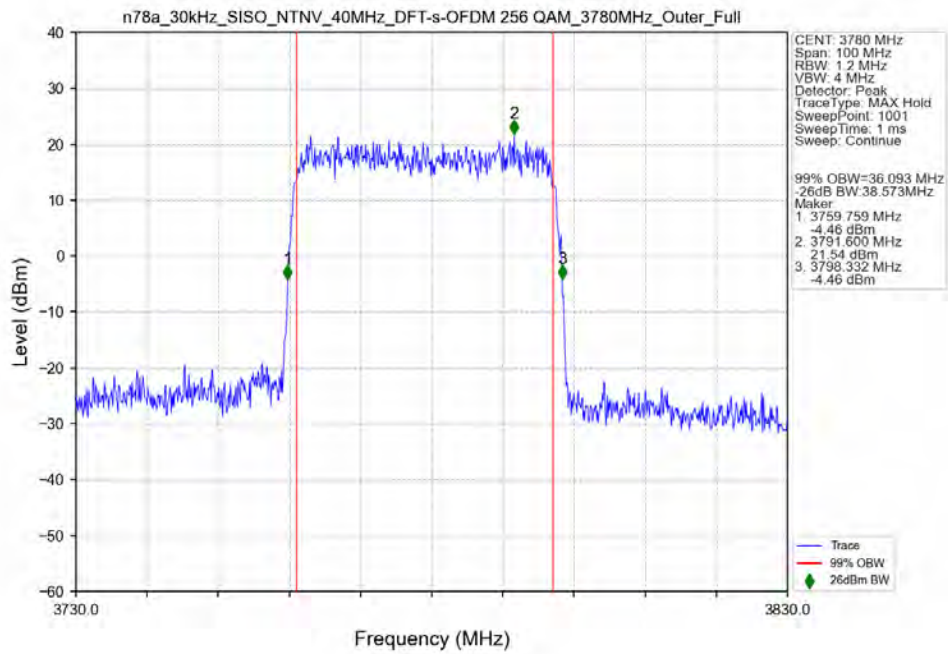
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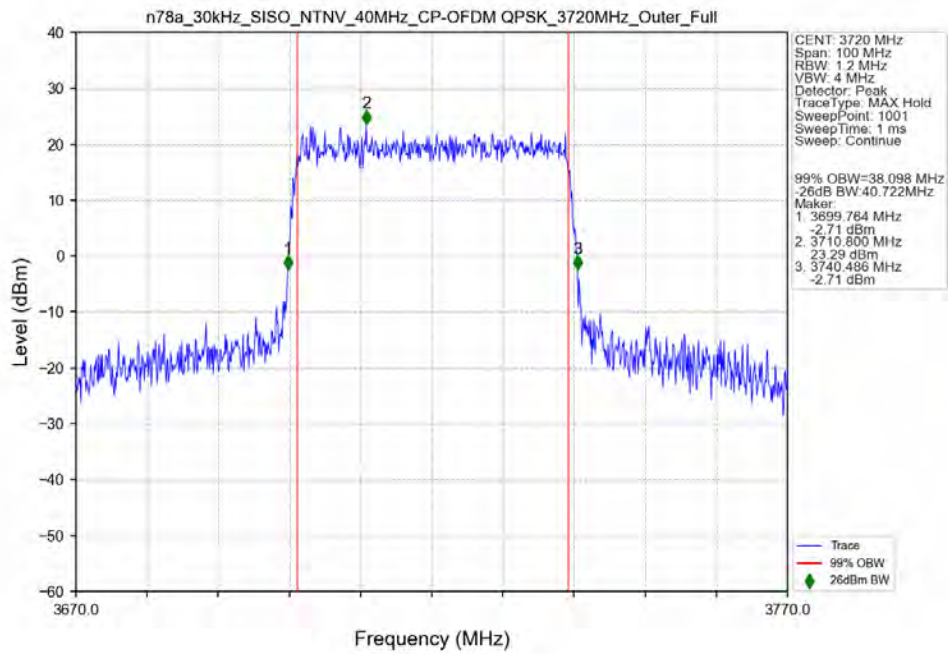
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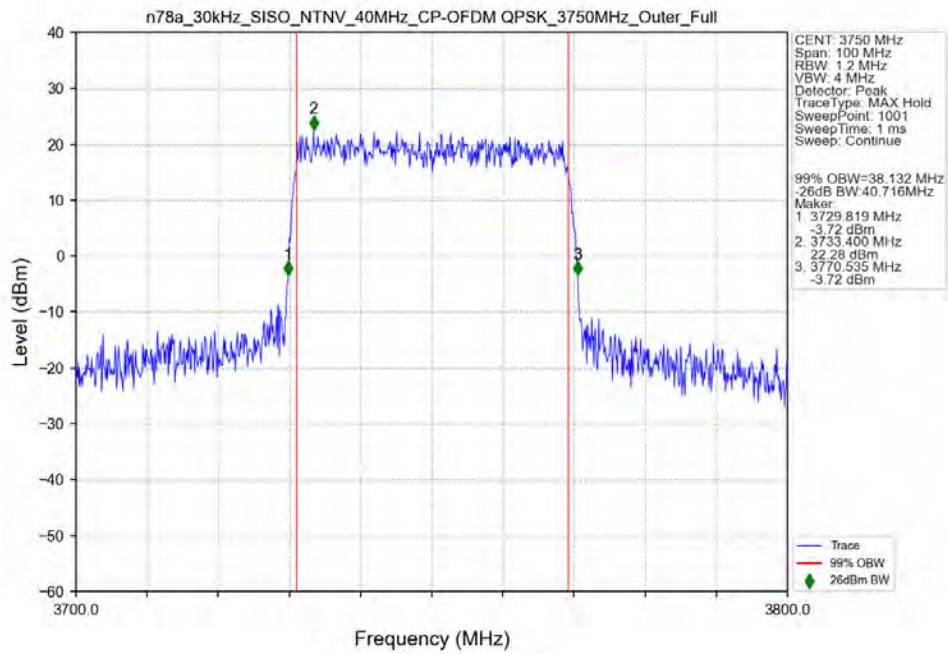
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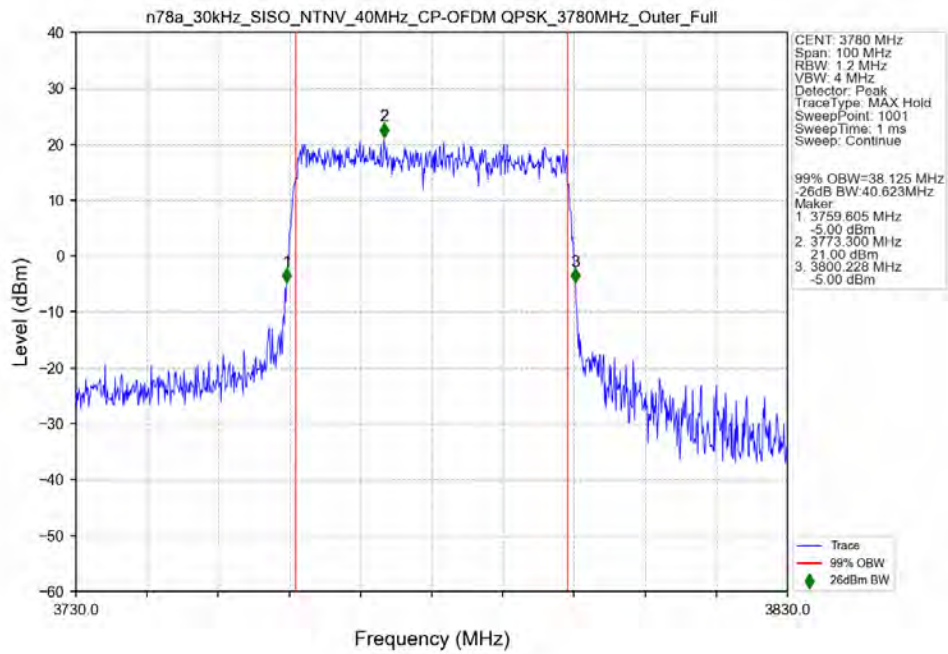
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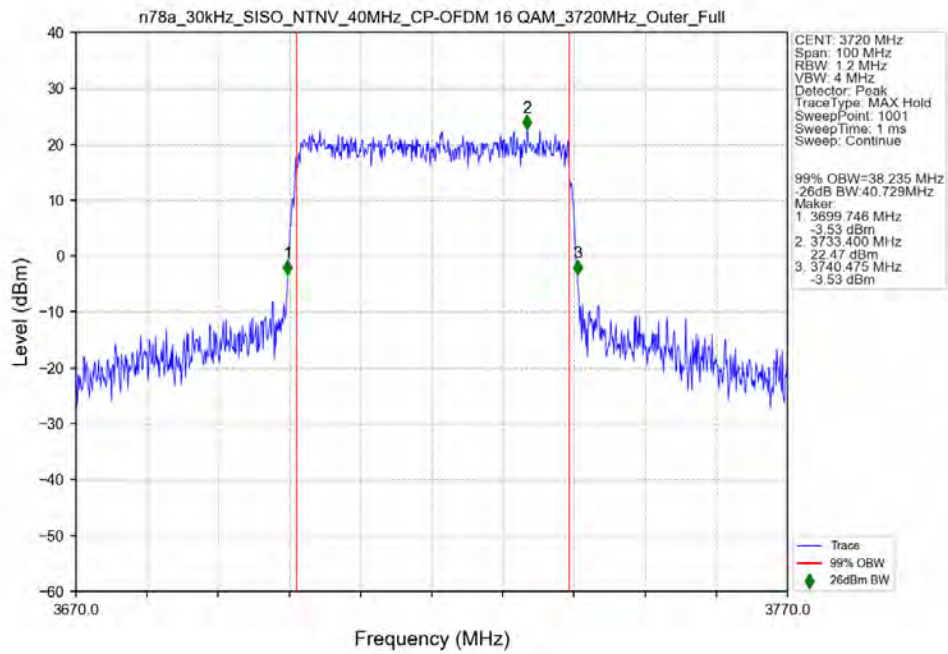
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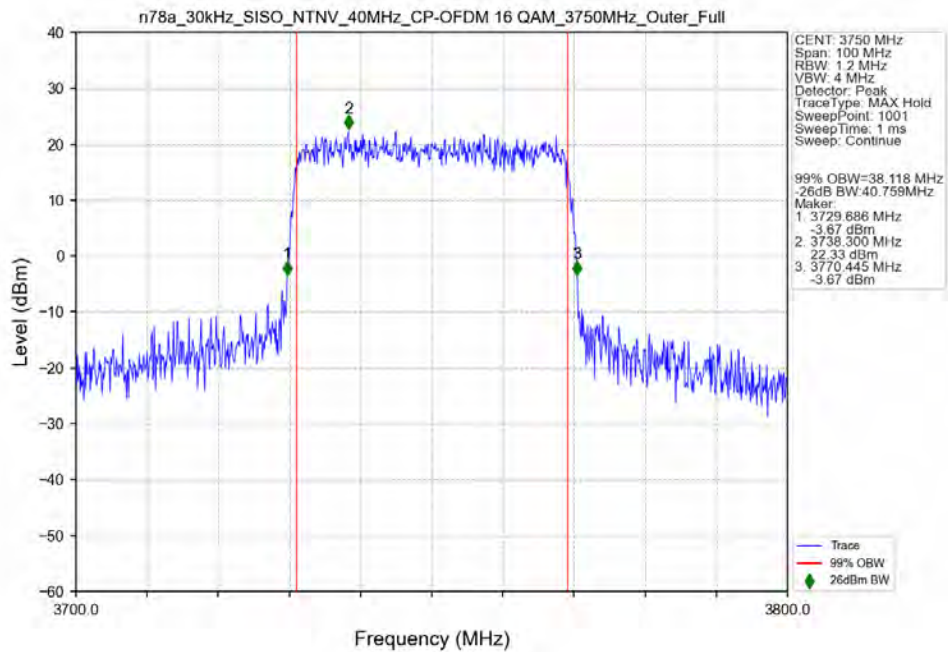
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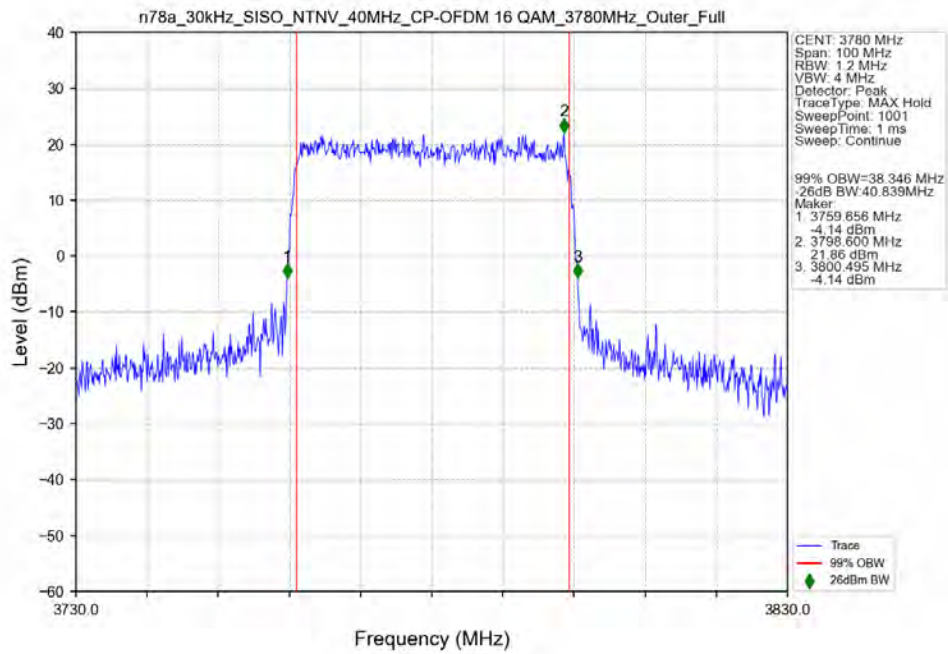
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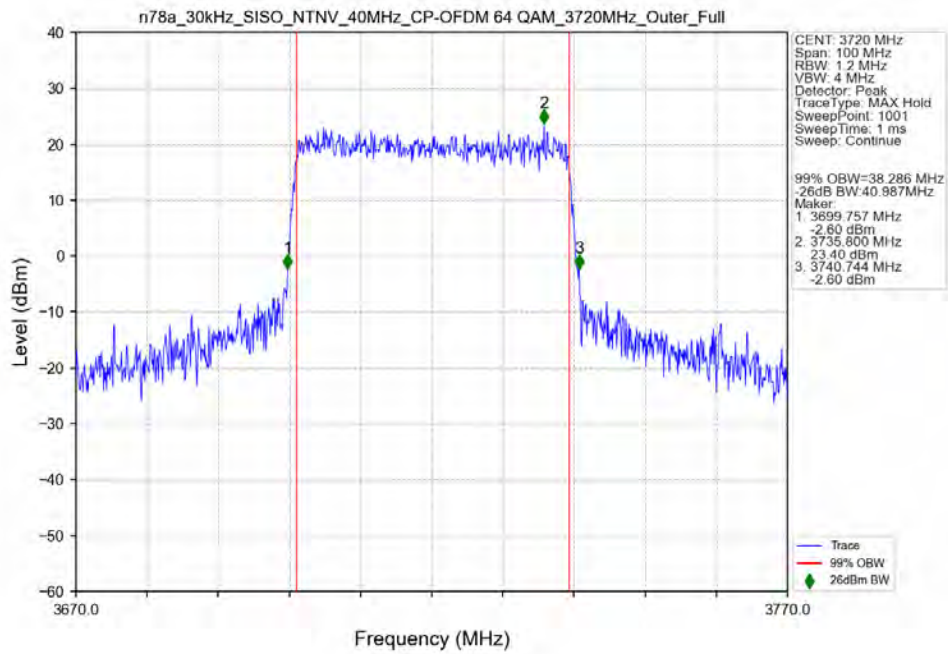
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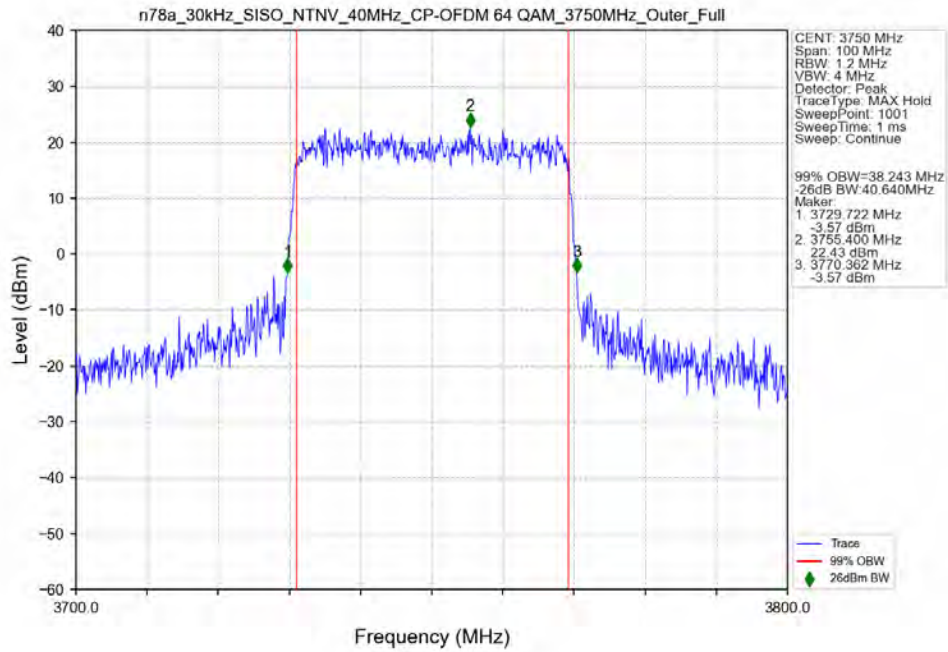
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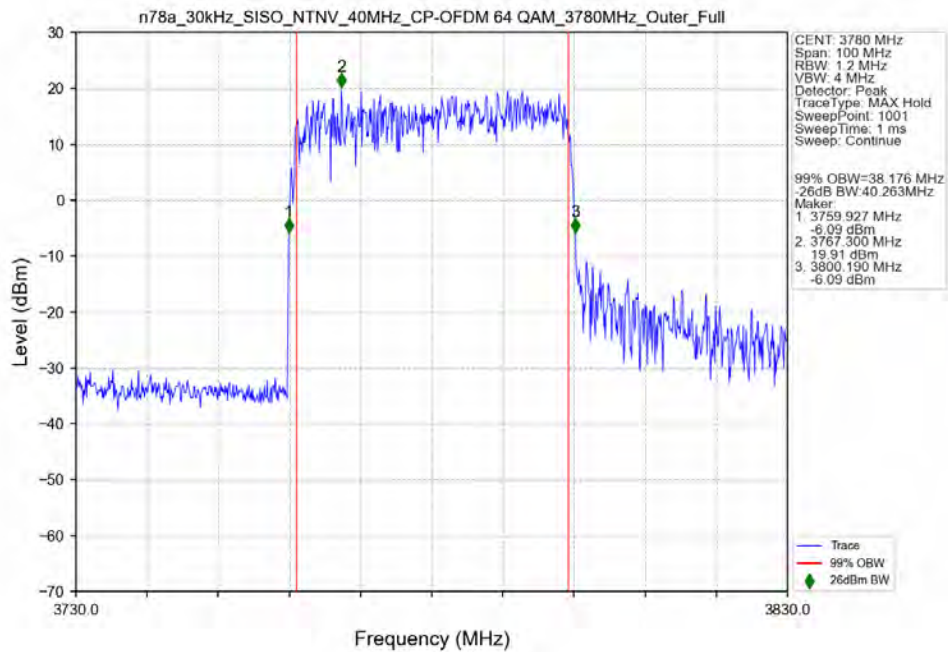
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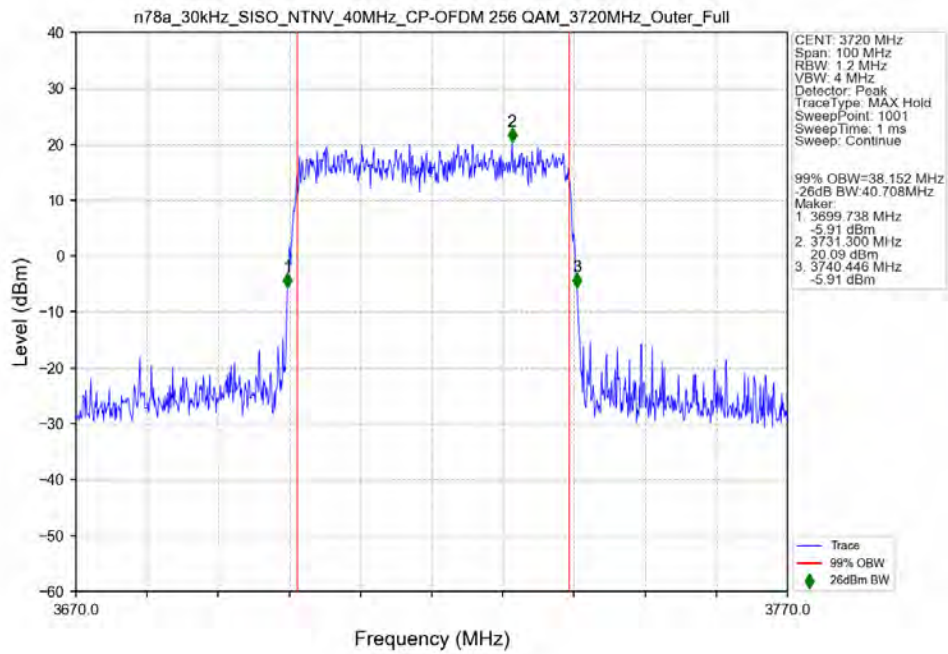
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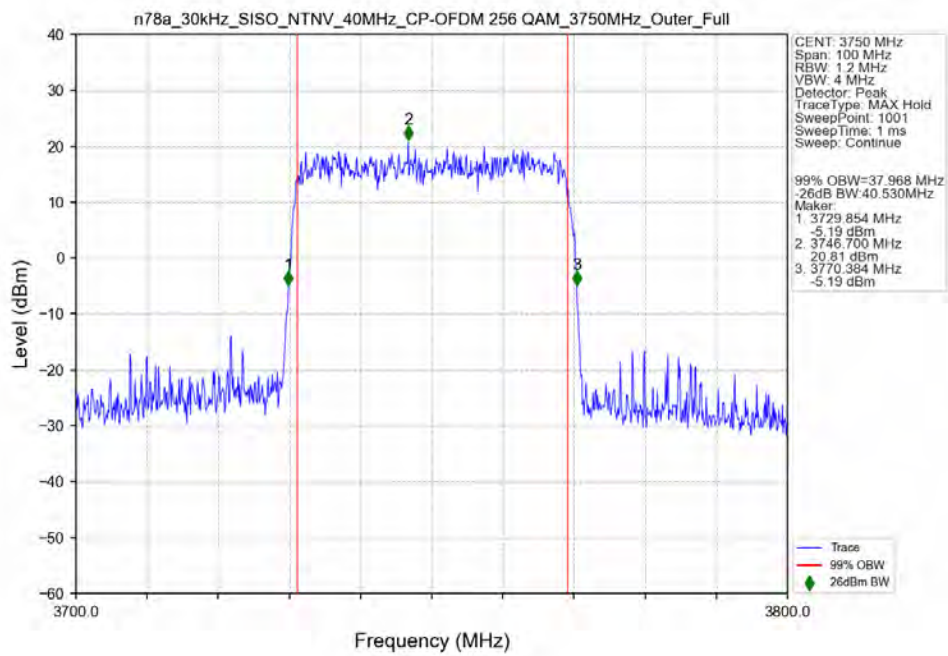
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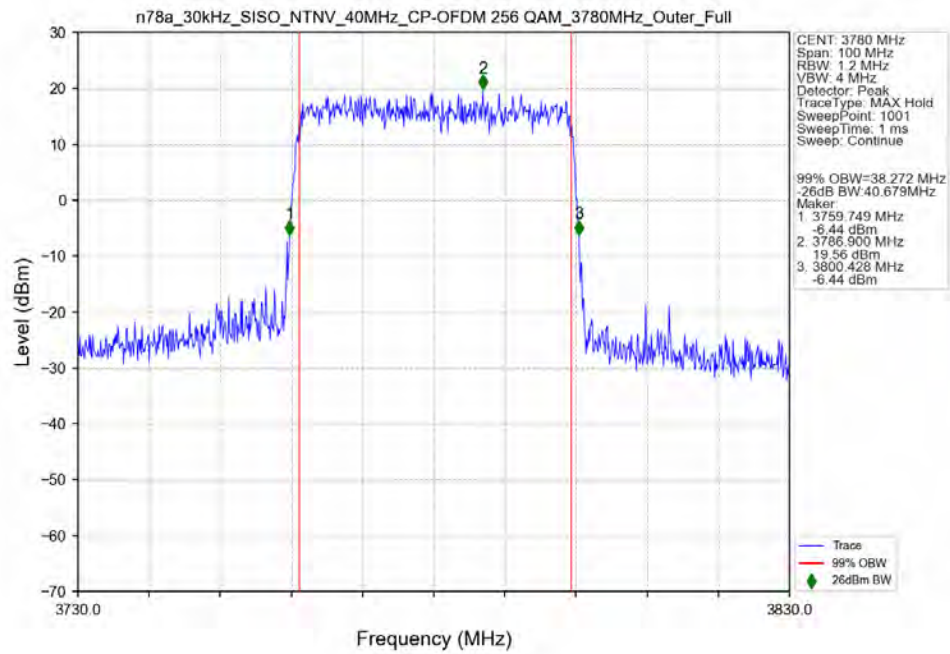
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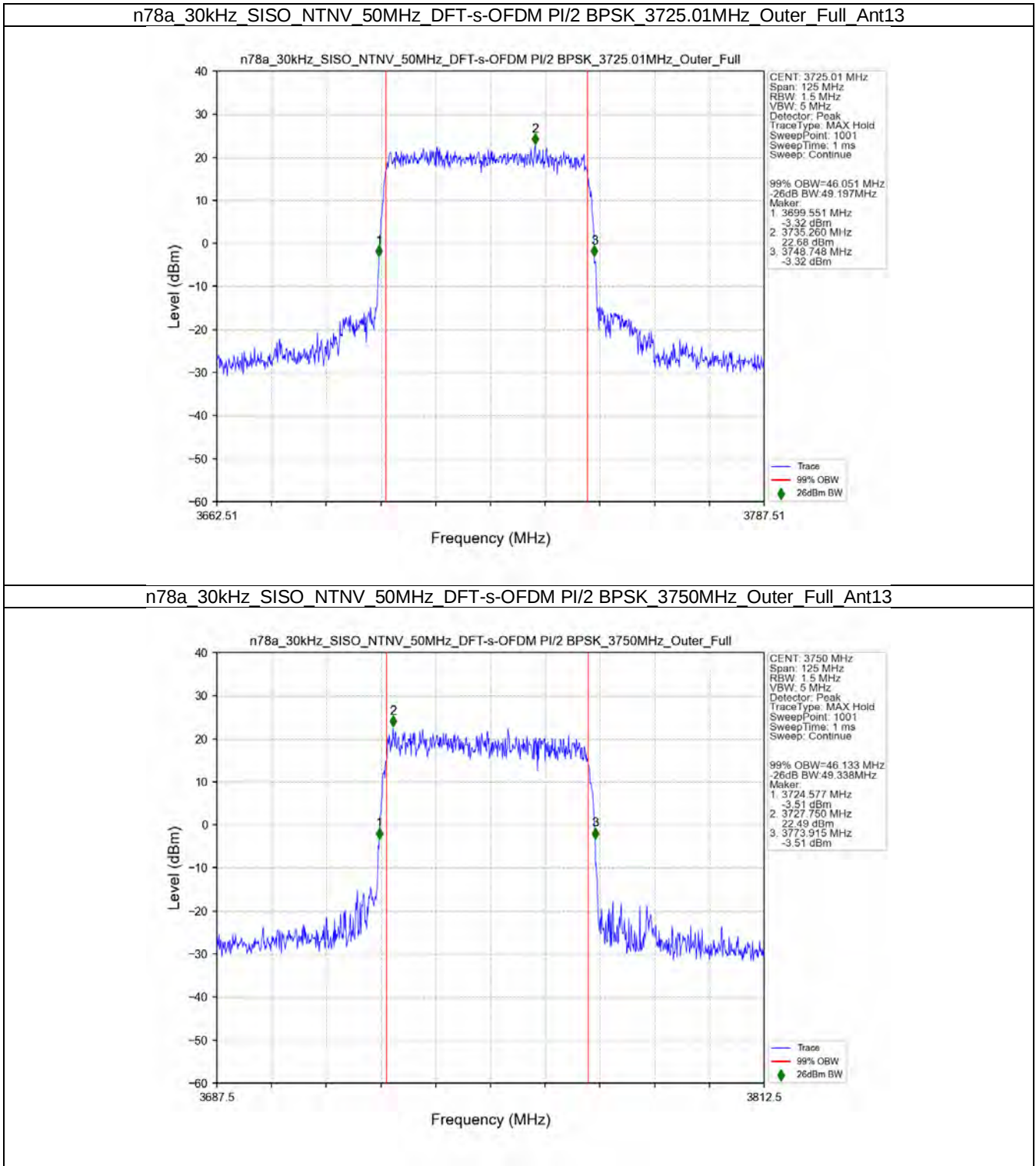
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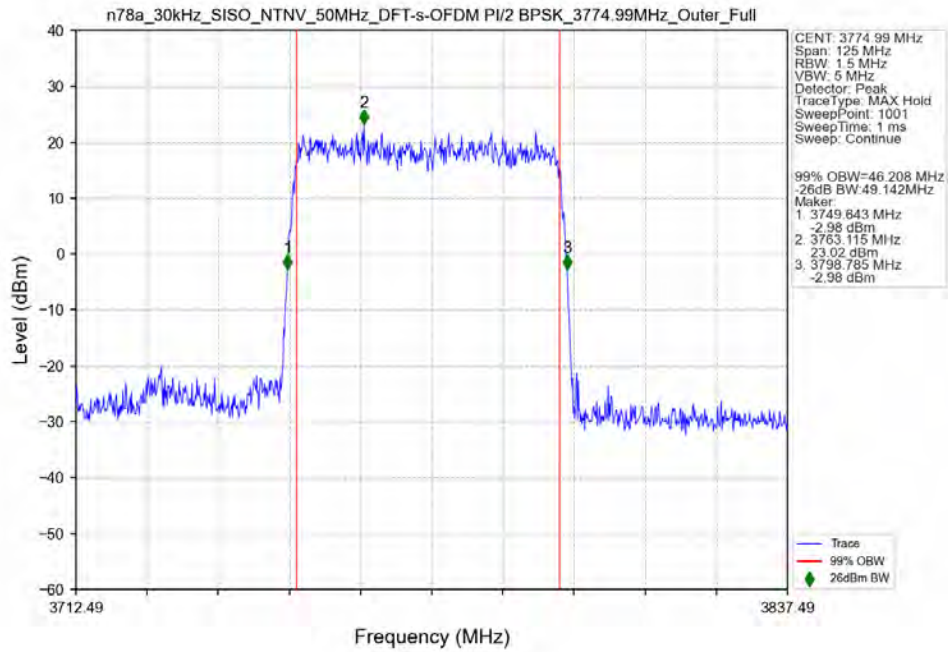
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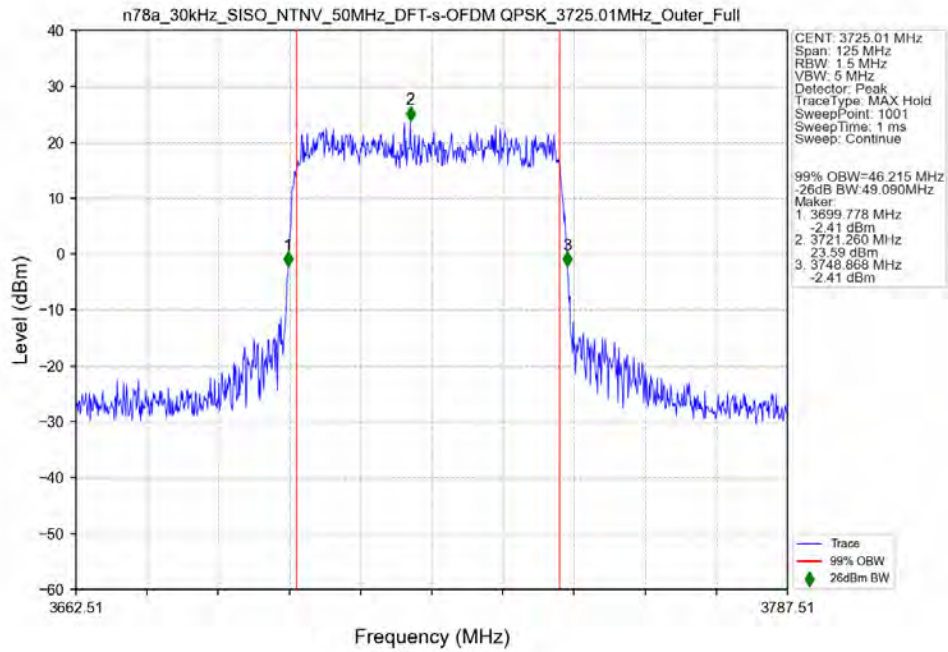
3.2.6 30k_SISO_50MHz_NTNV



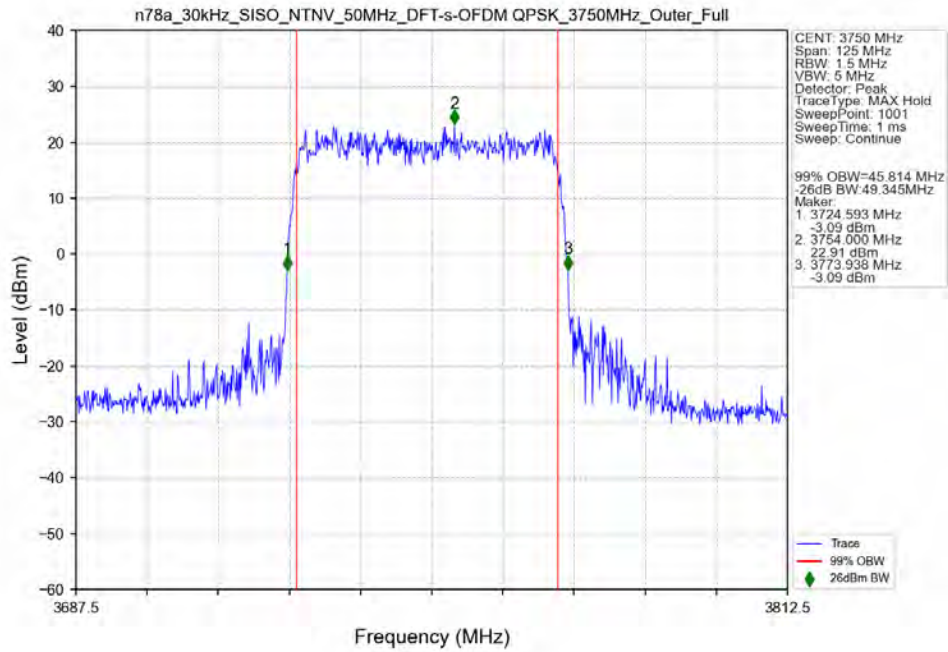
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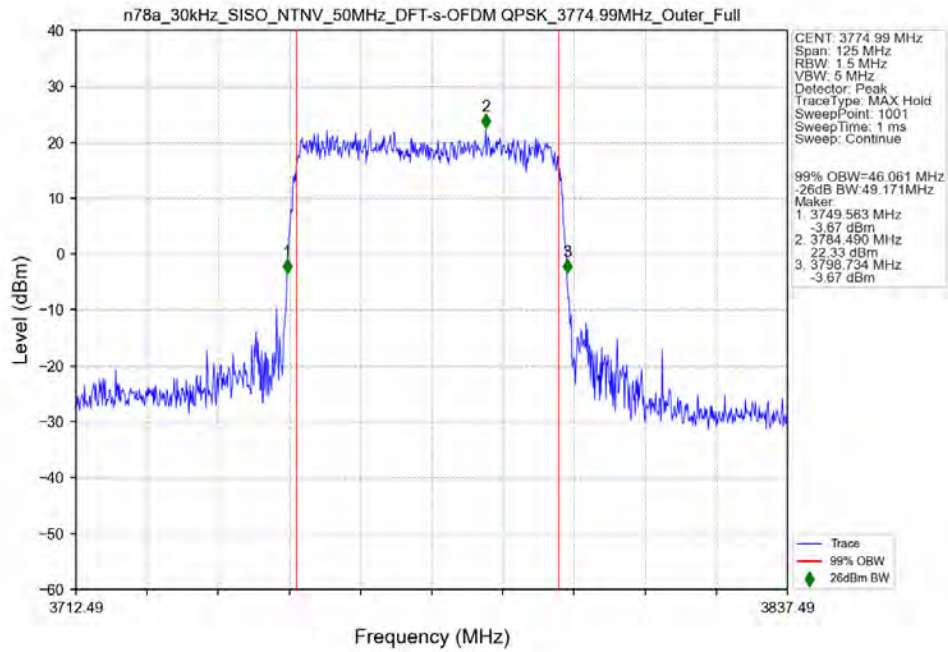
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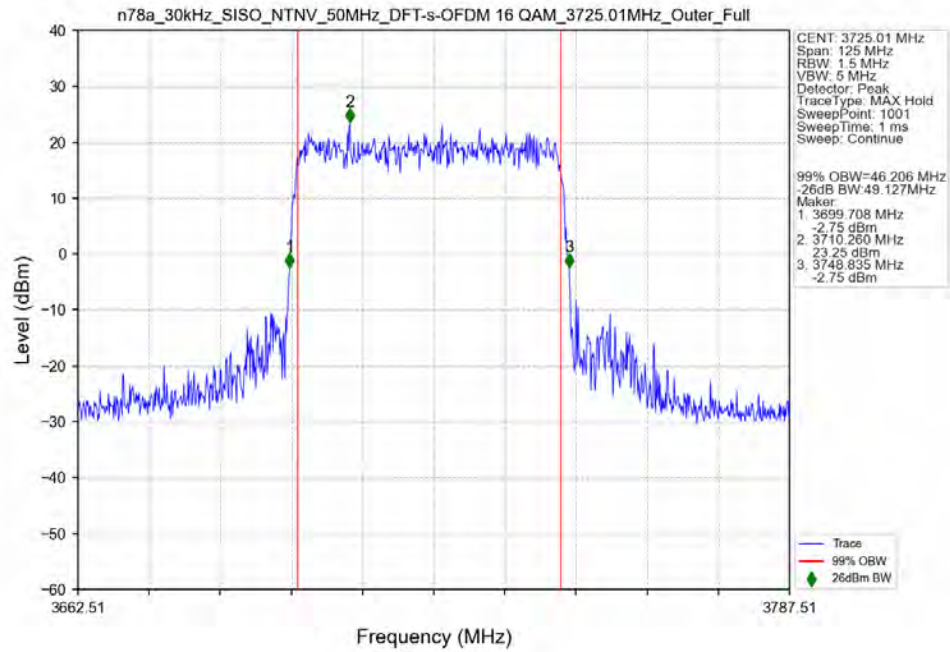
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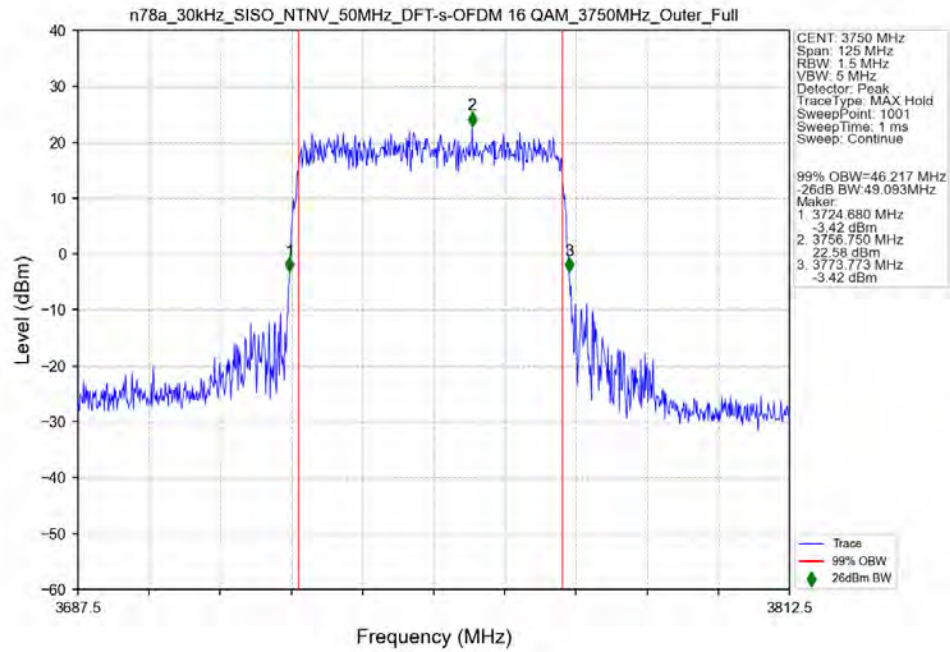
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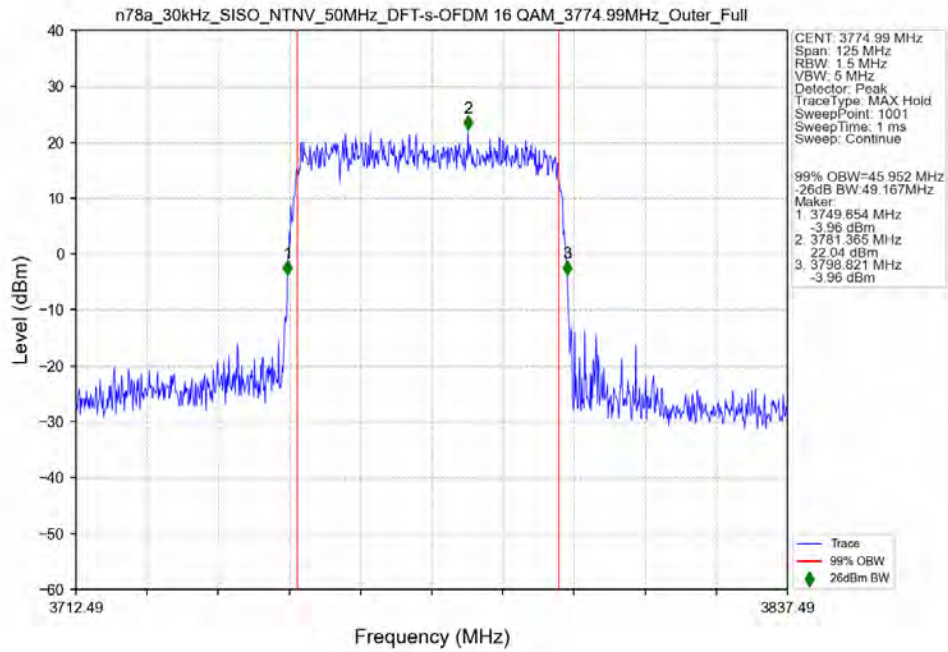
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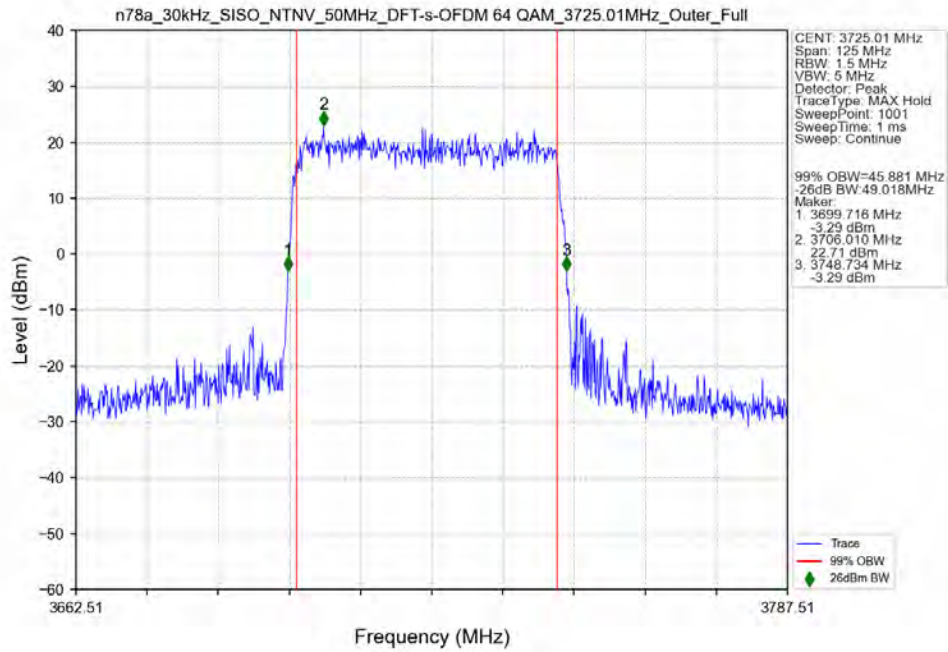
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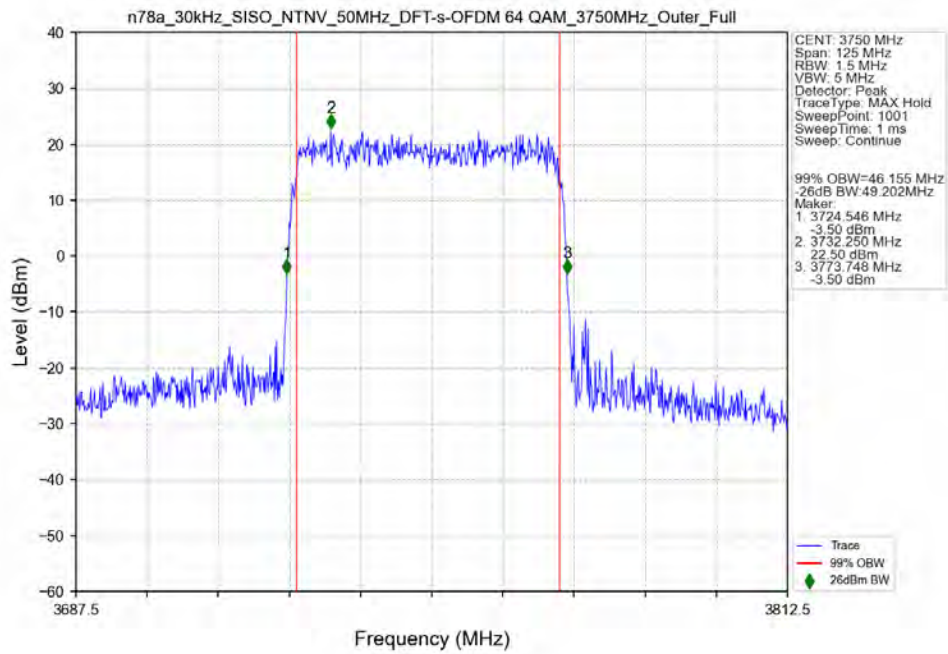
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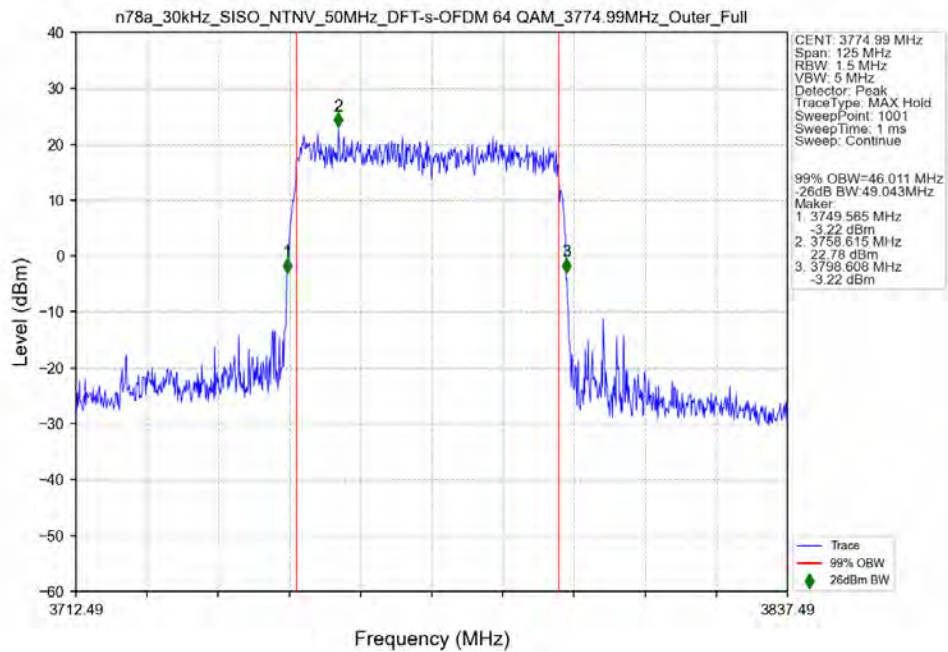
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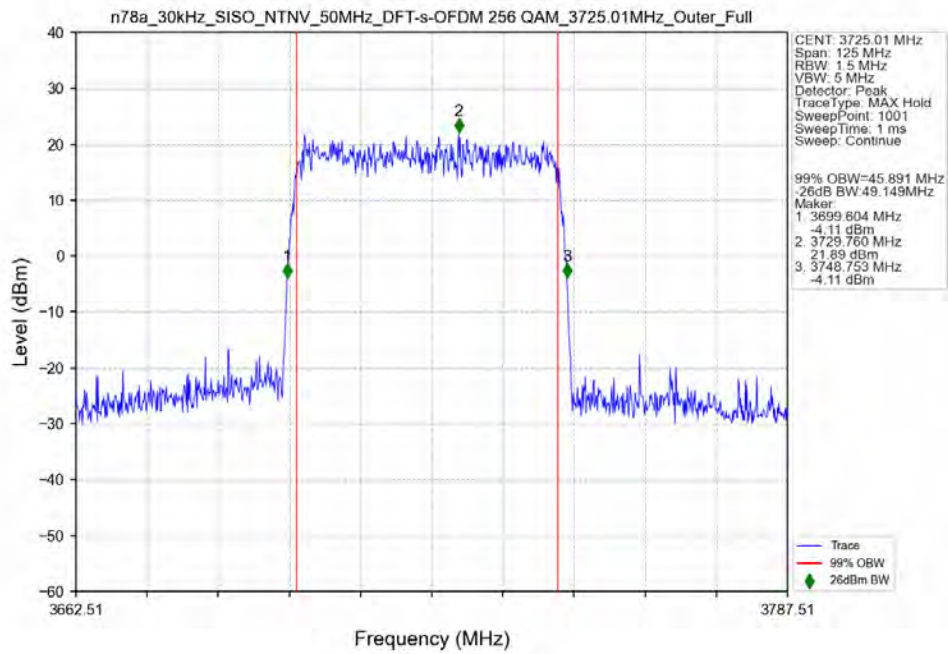
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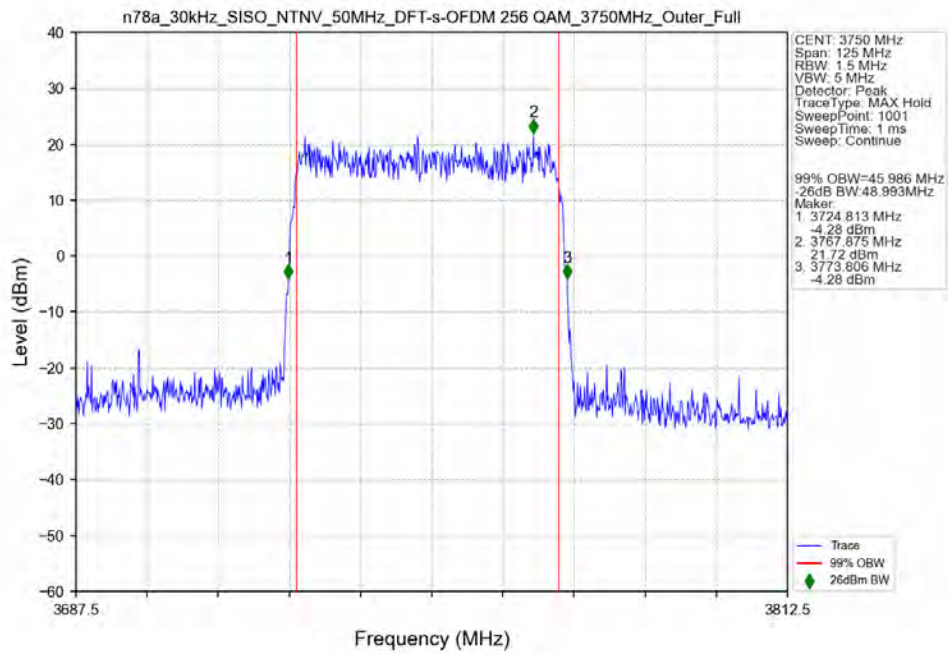
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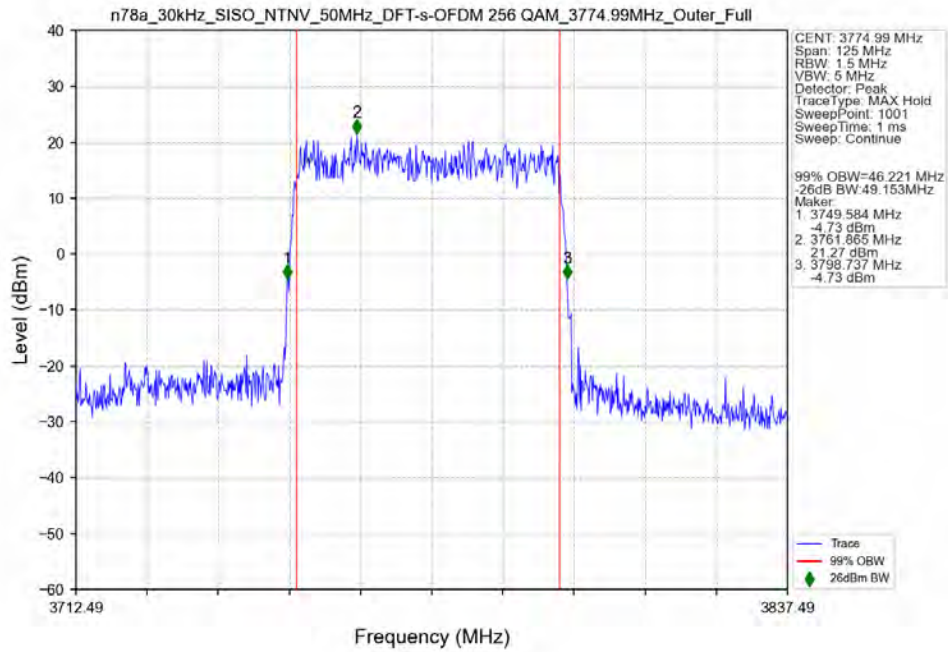
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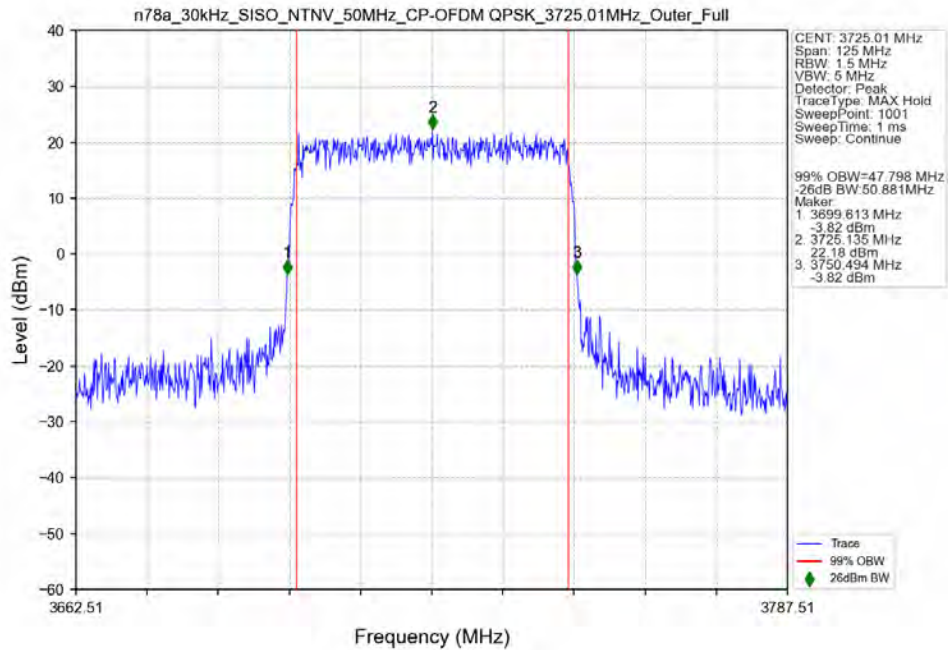
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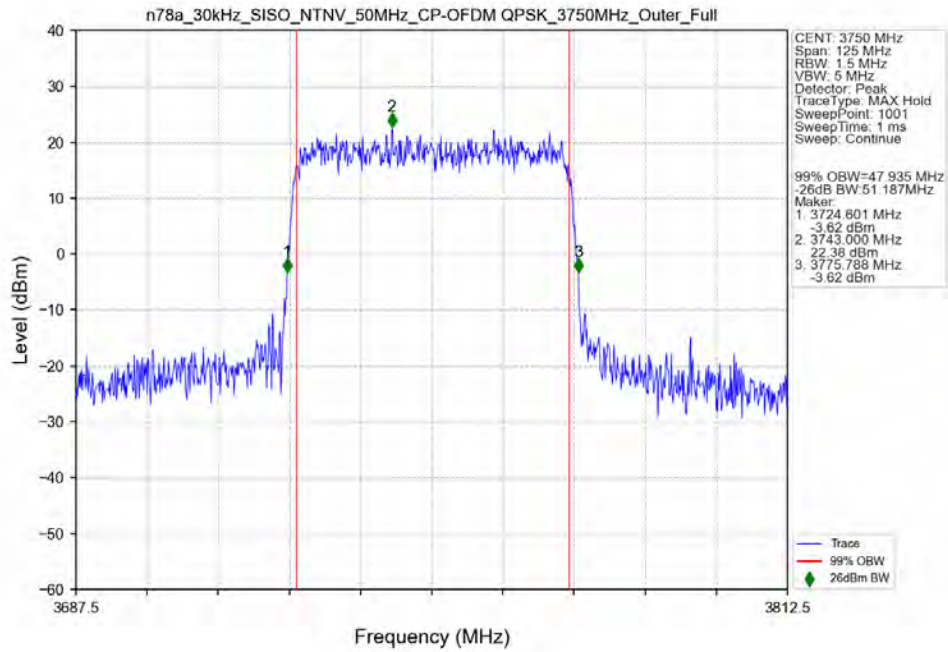
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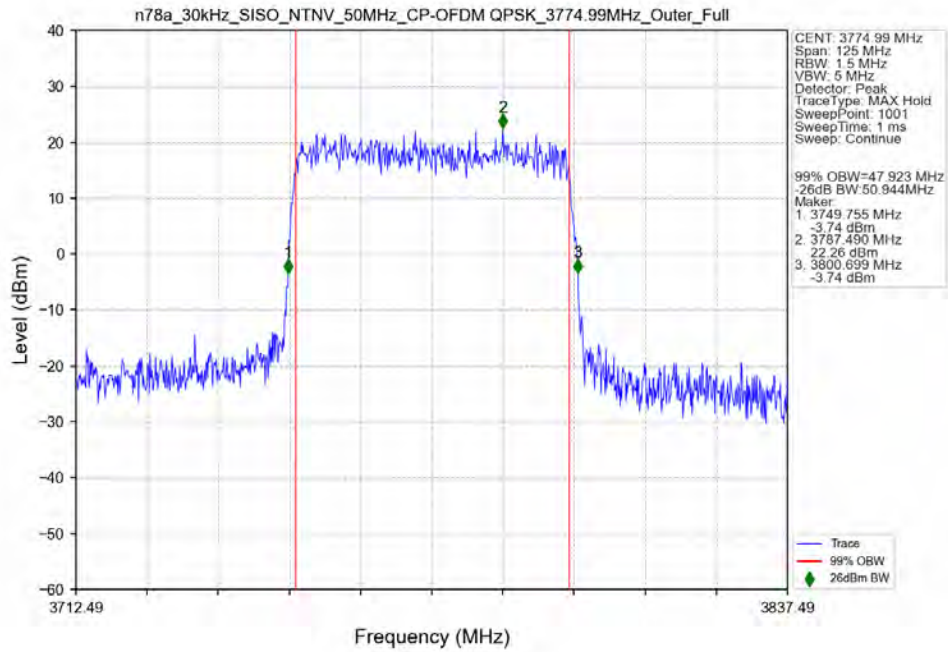
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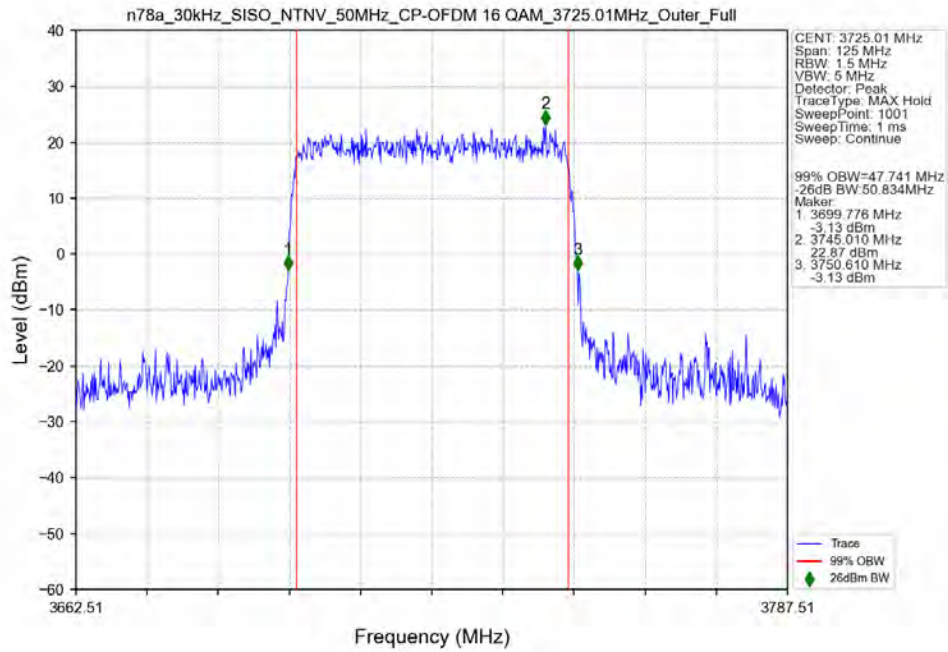
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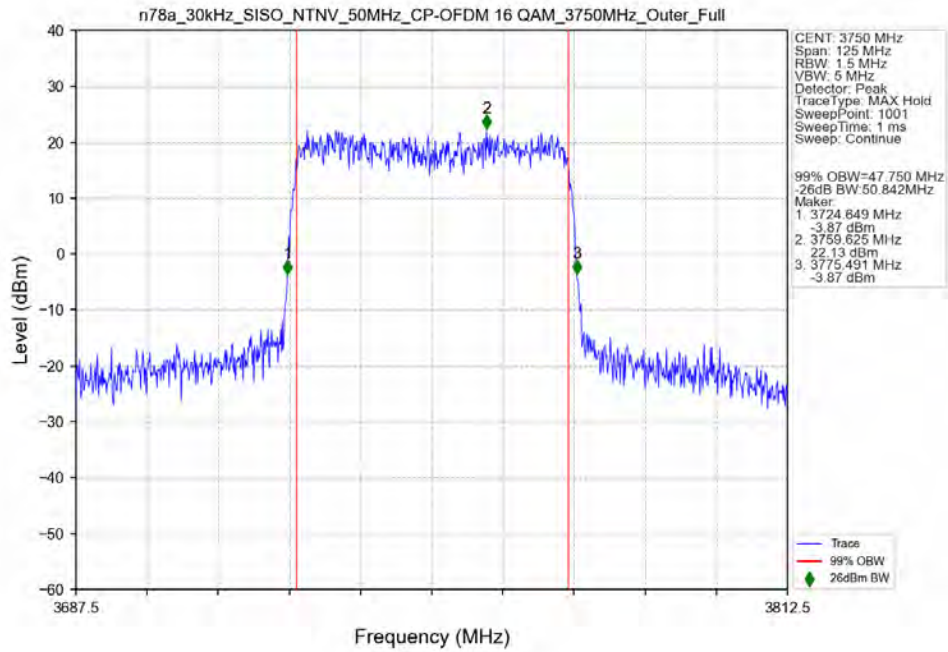
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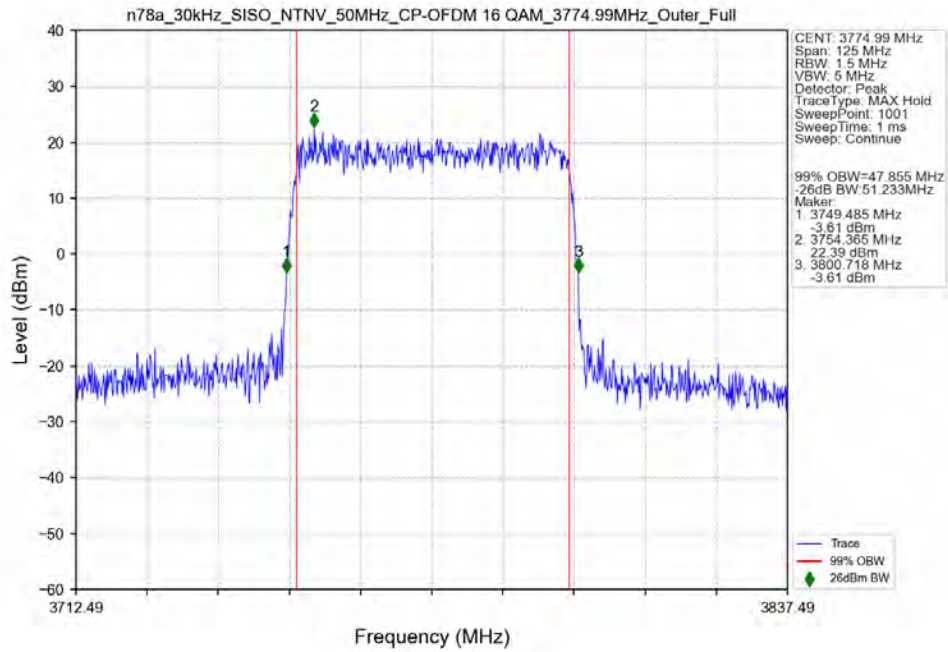
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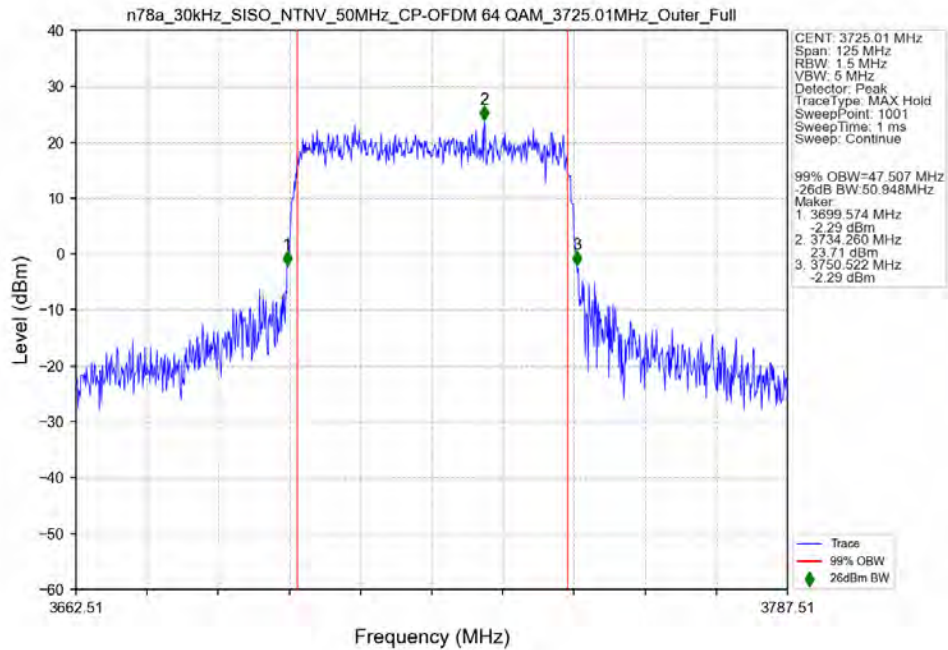
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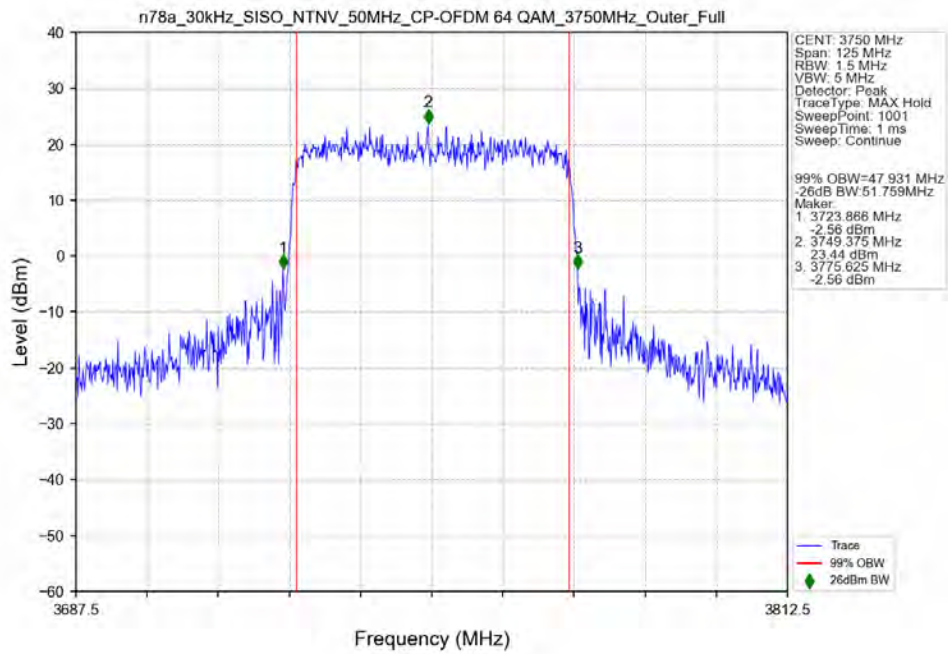
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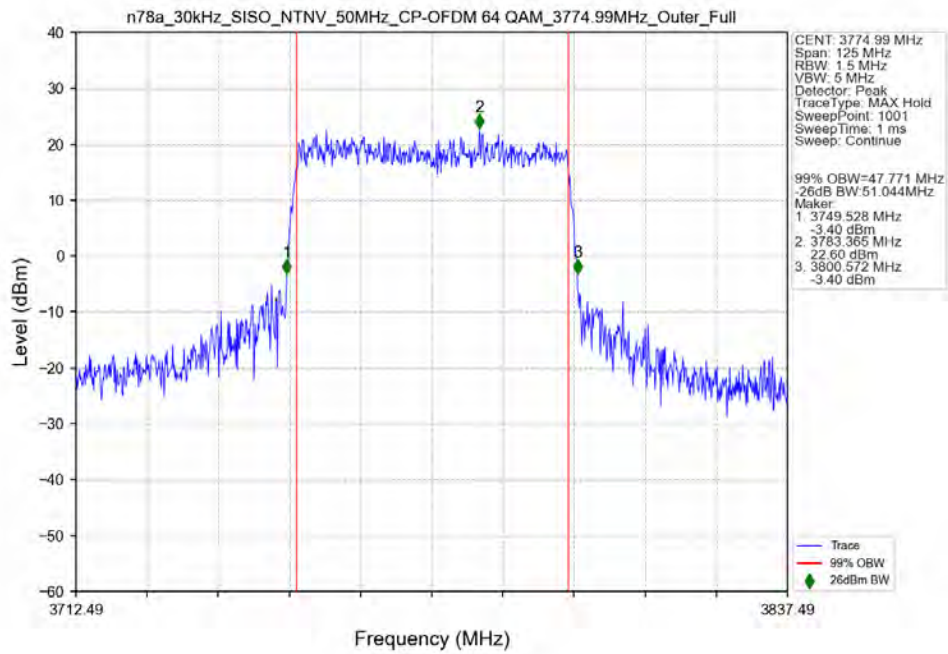
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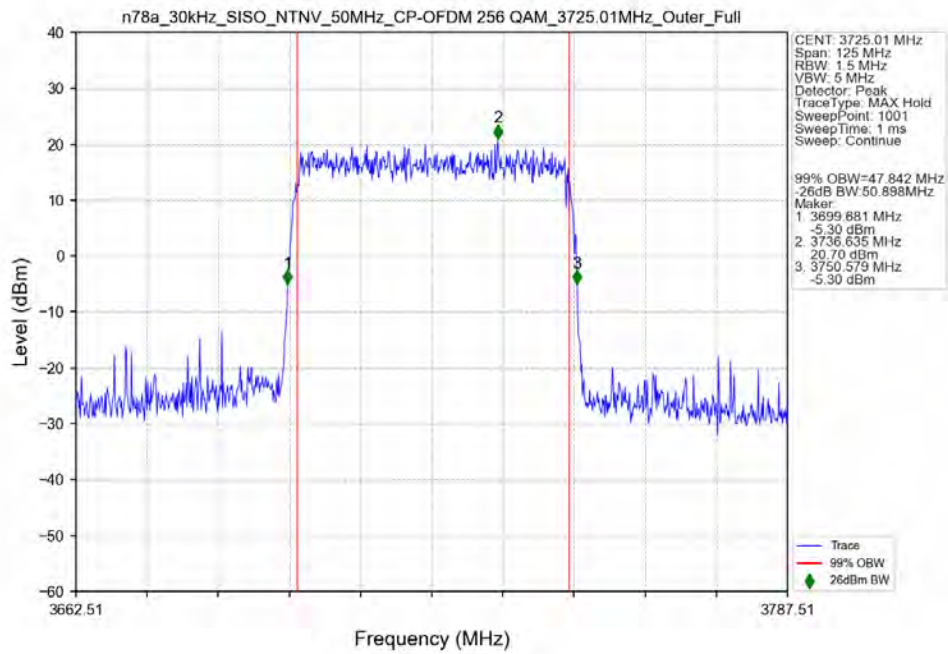
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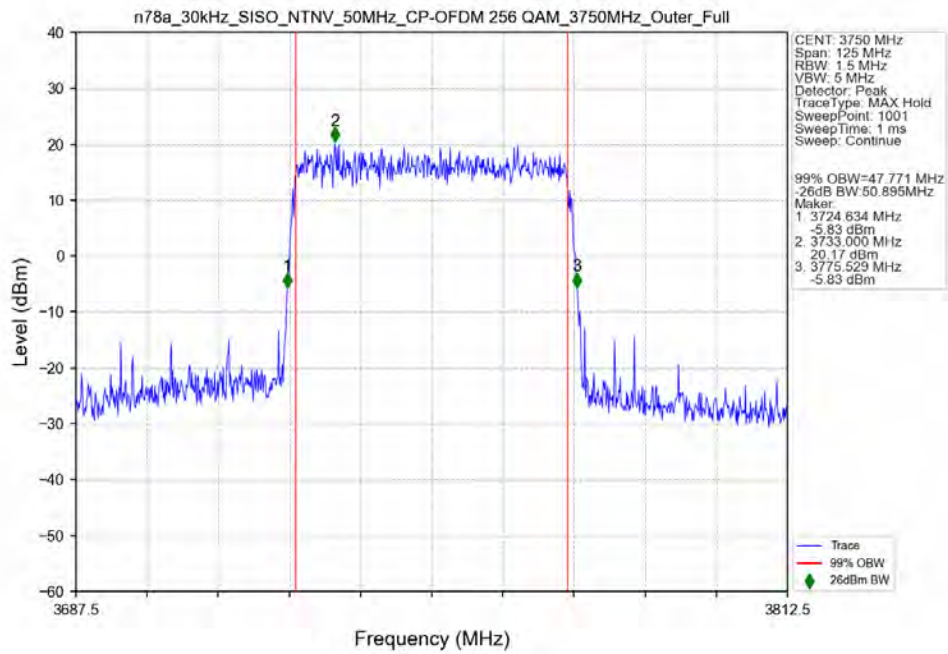
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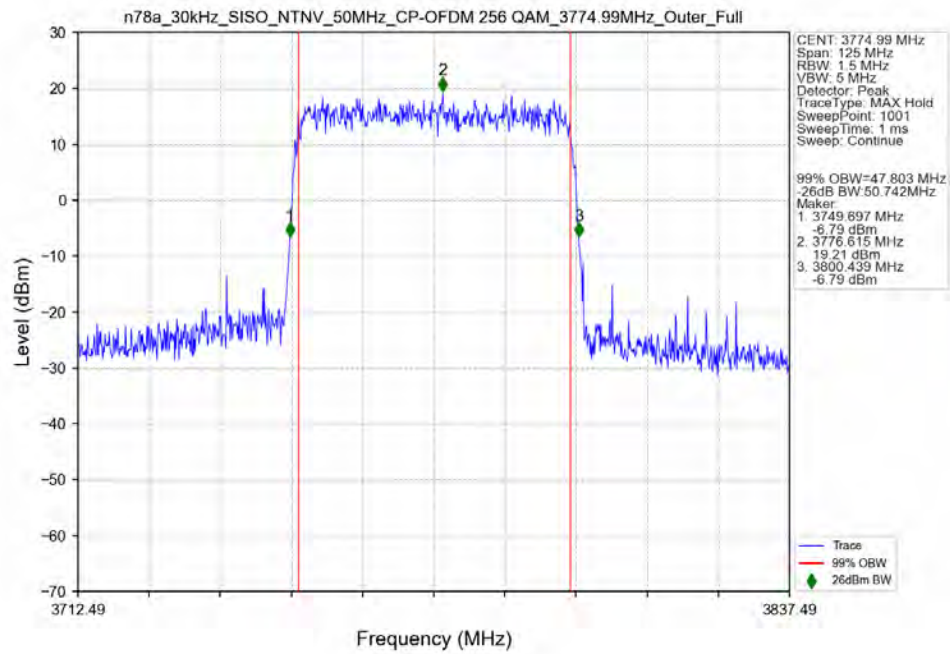
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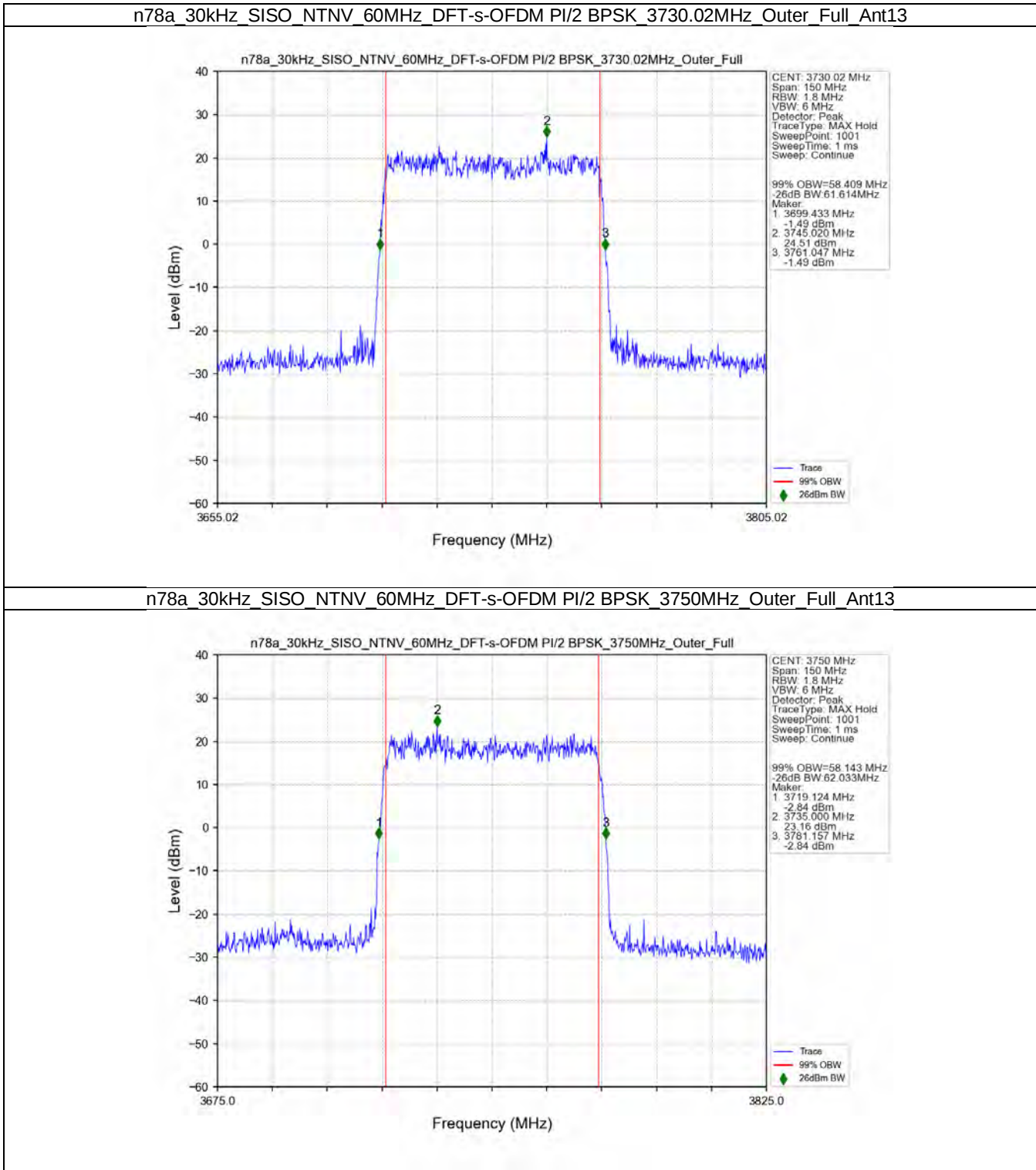
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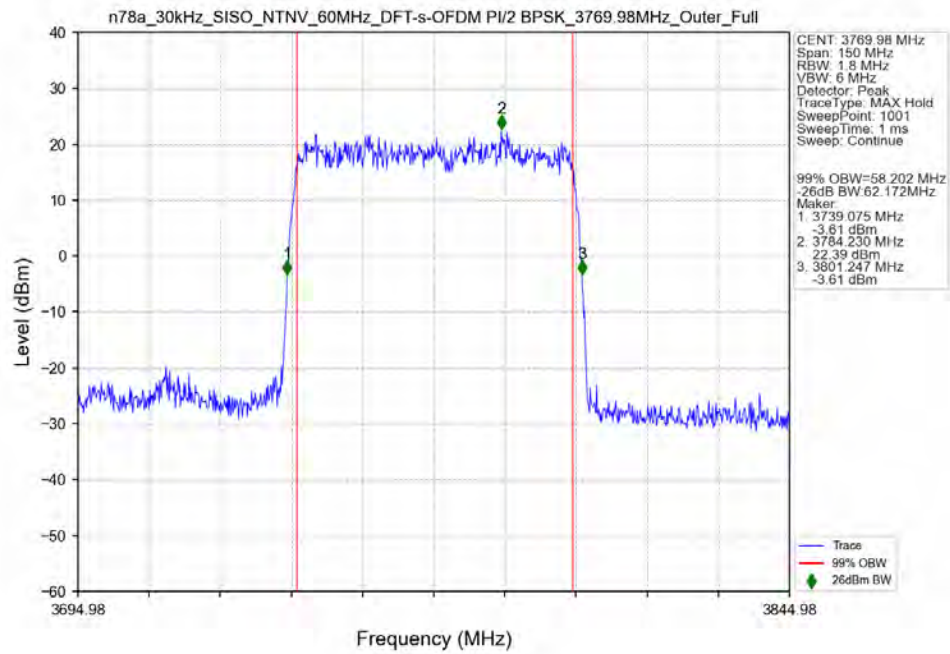
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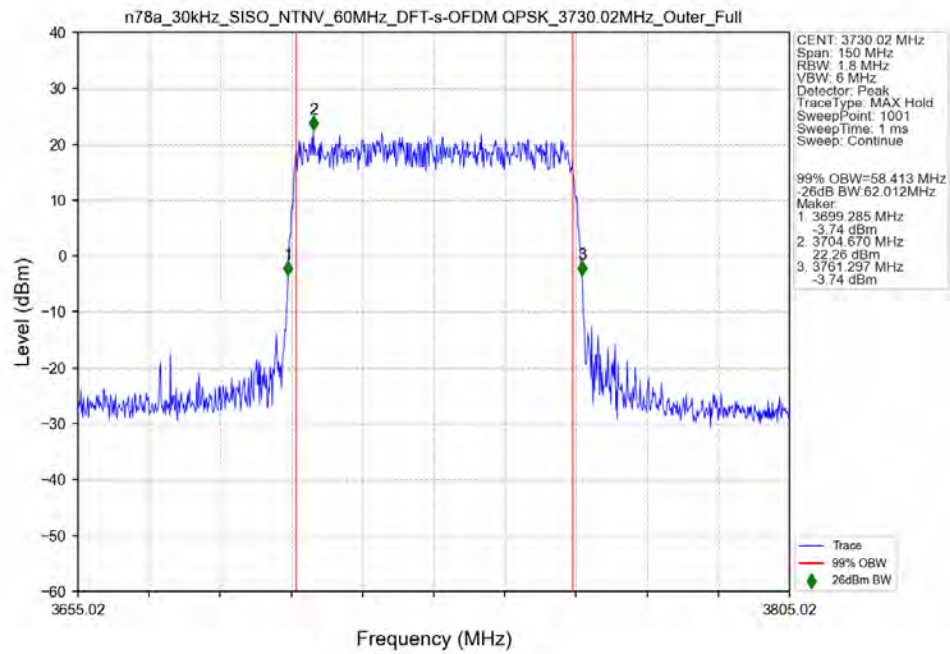
3.2.7 30k_SISO_60MHz_NTNV



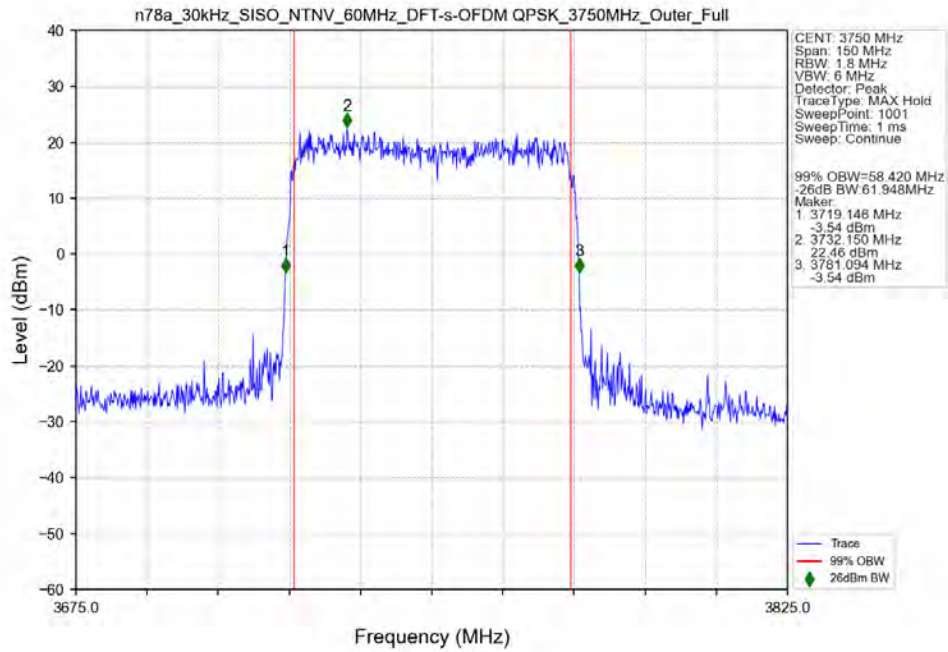
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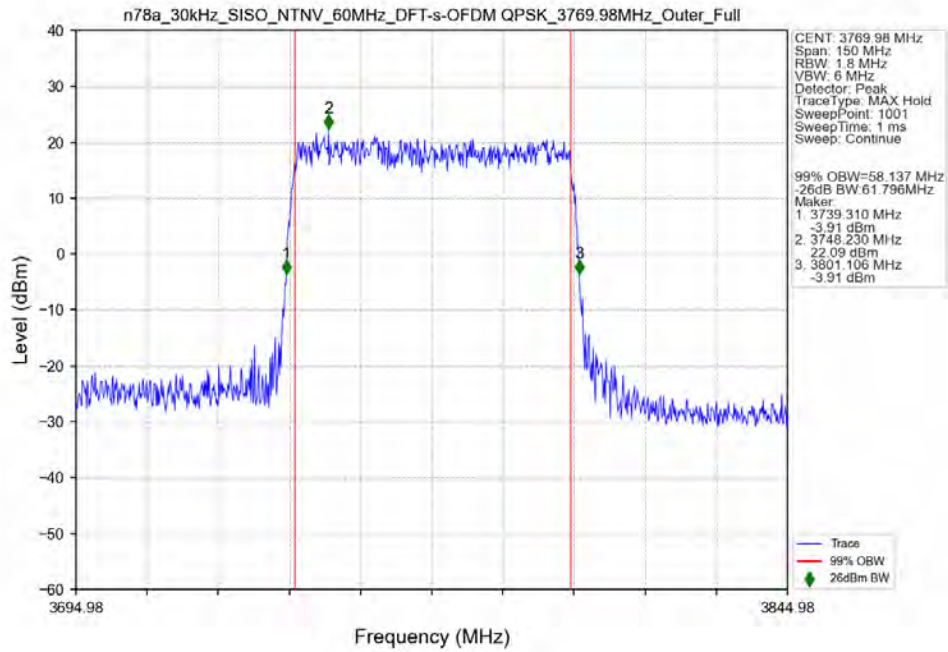
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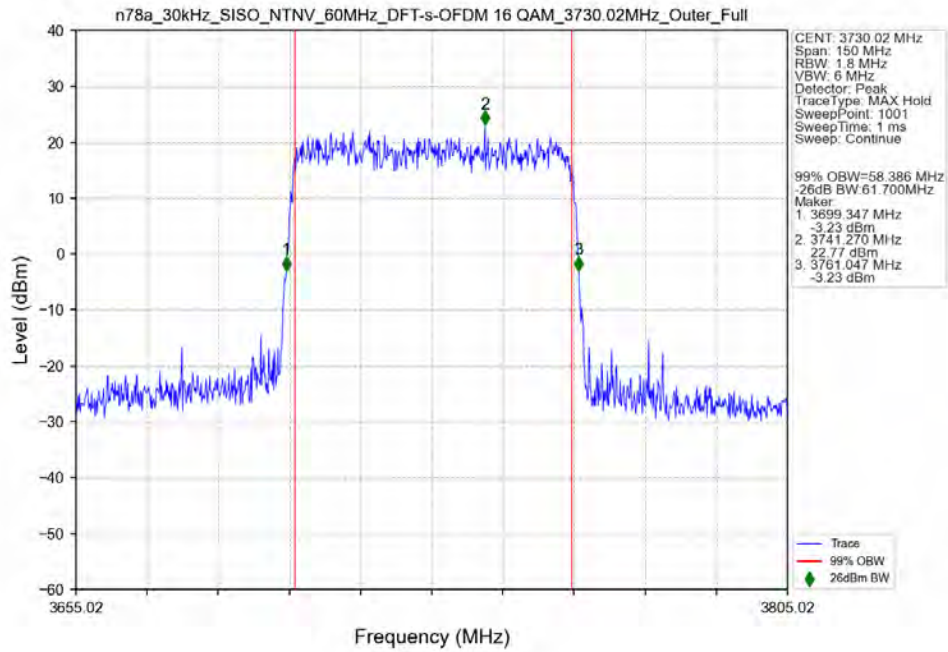
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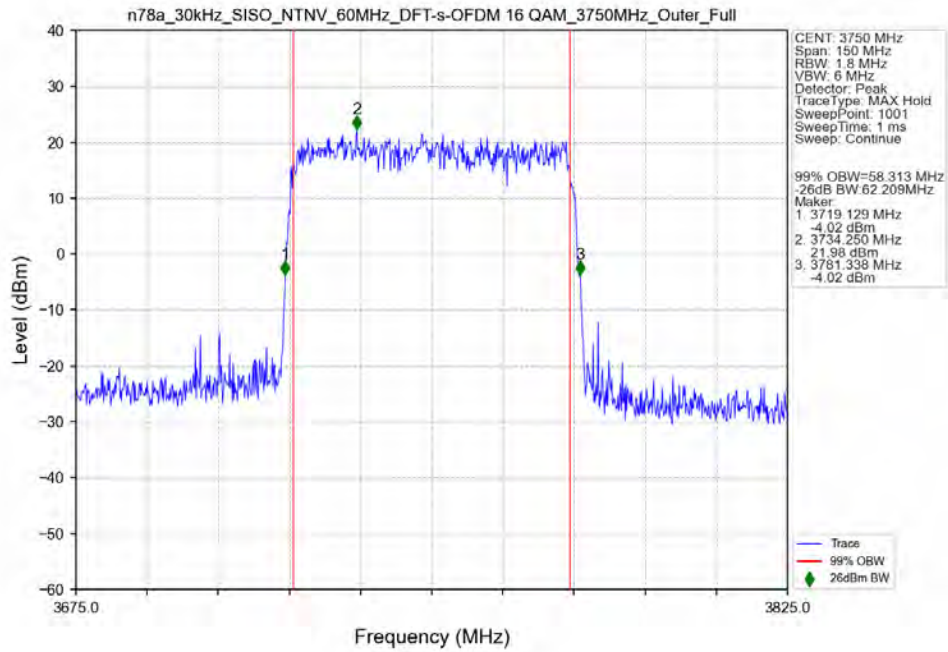
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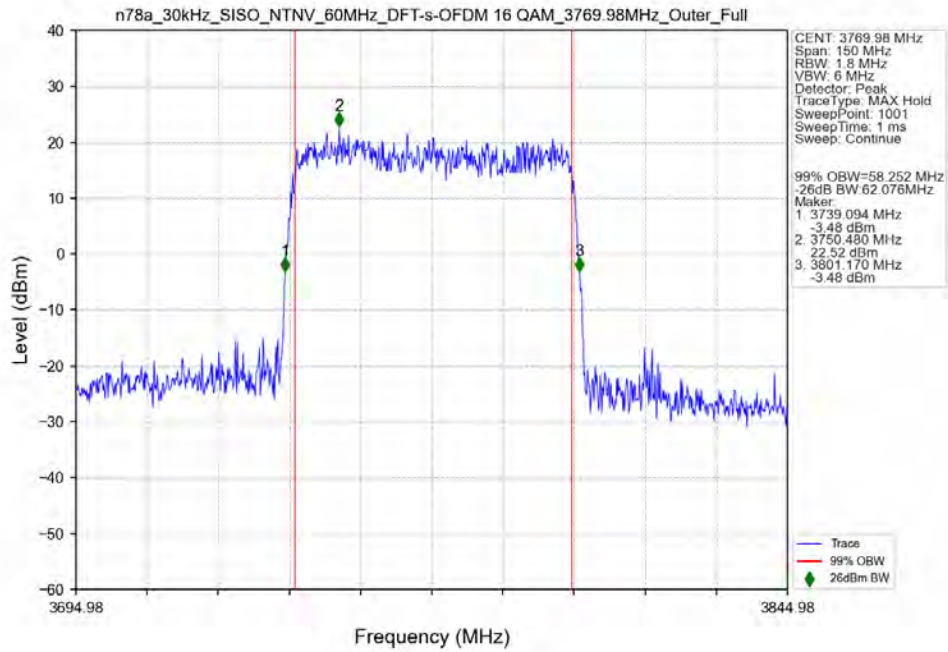
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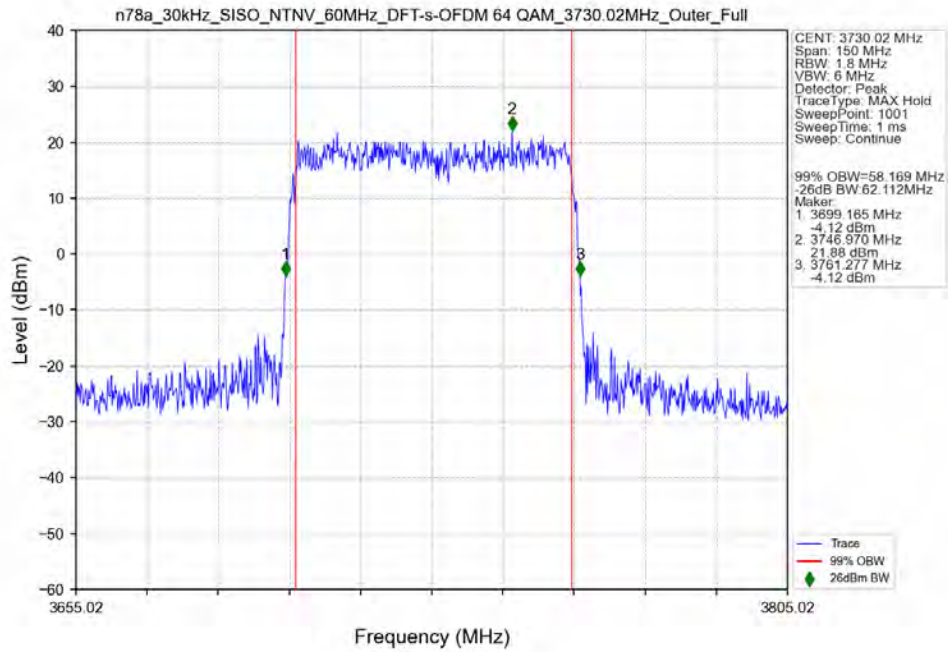
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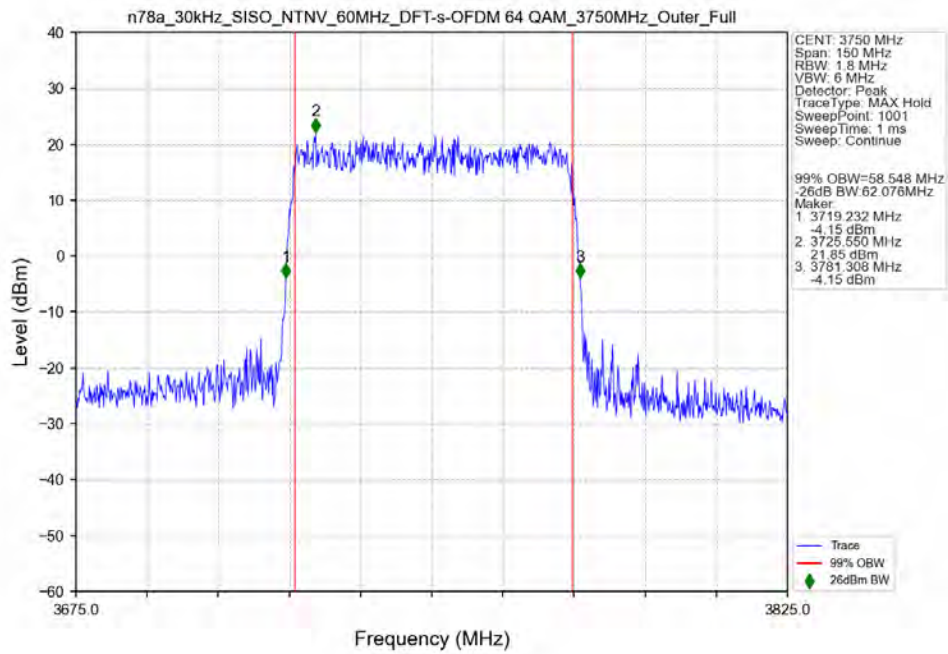
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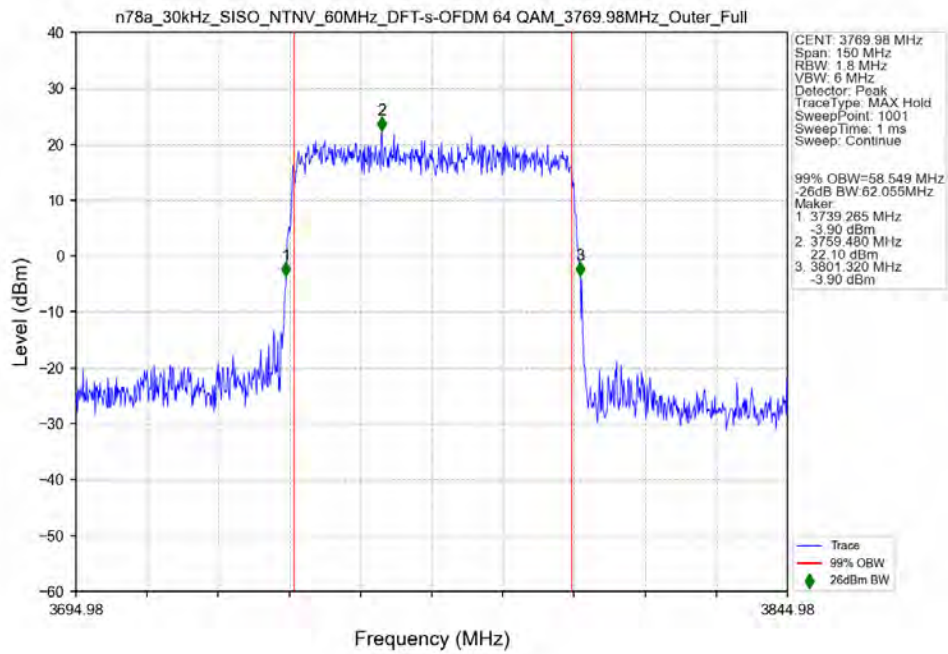
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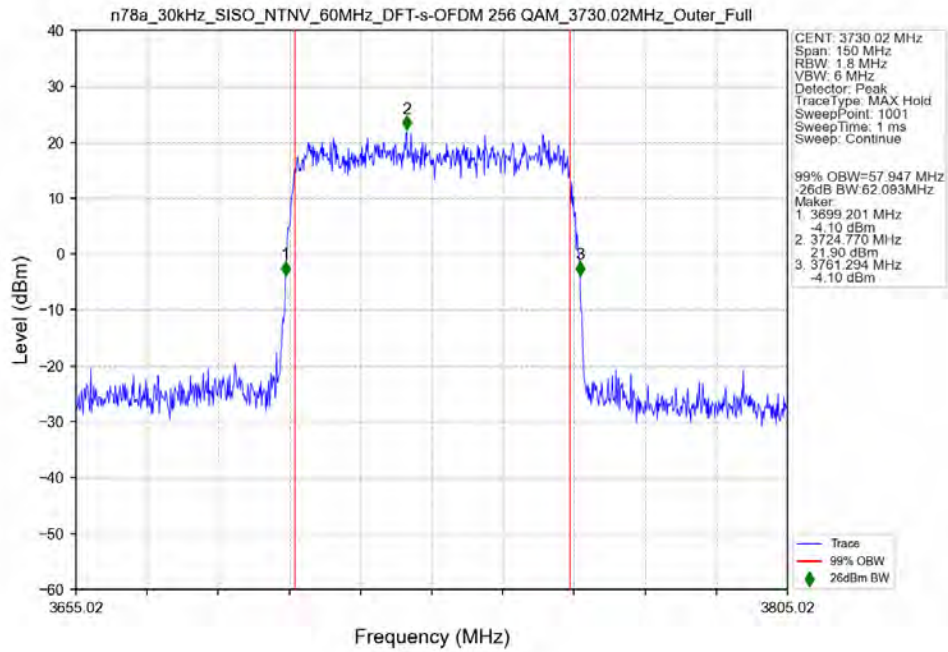
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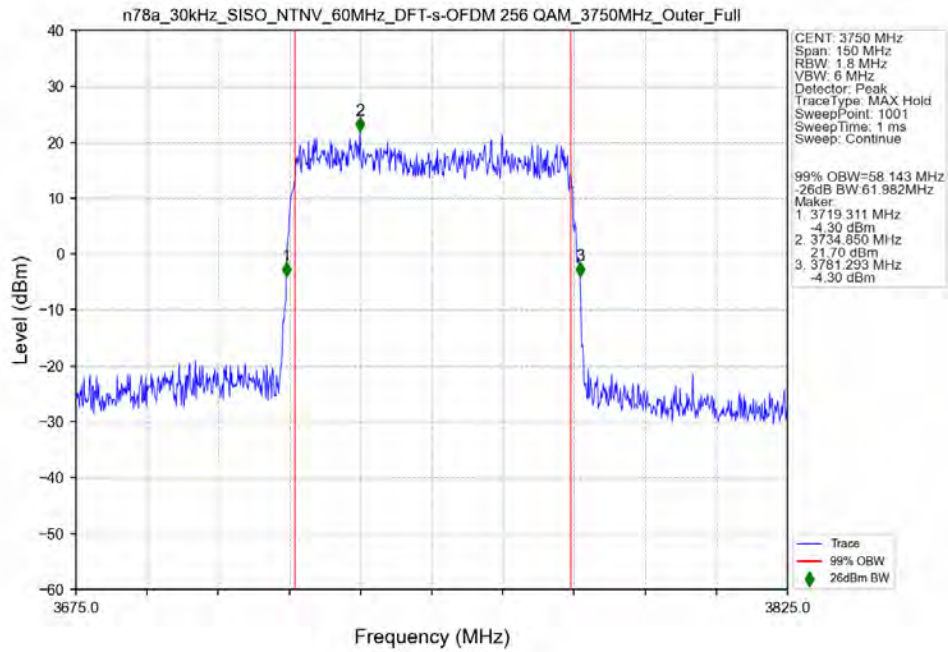
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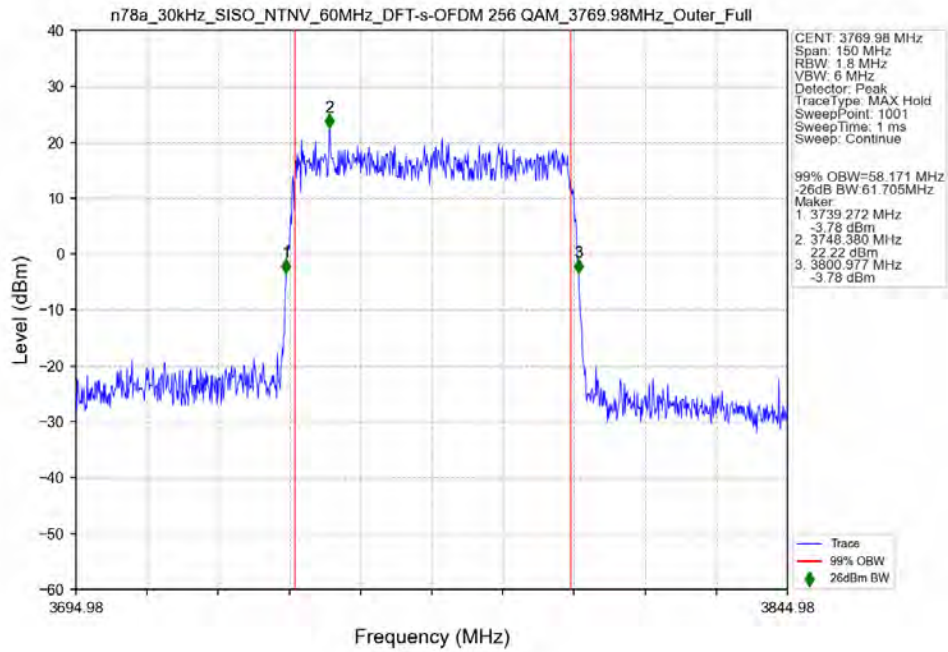
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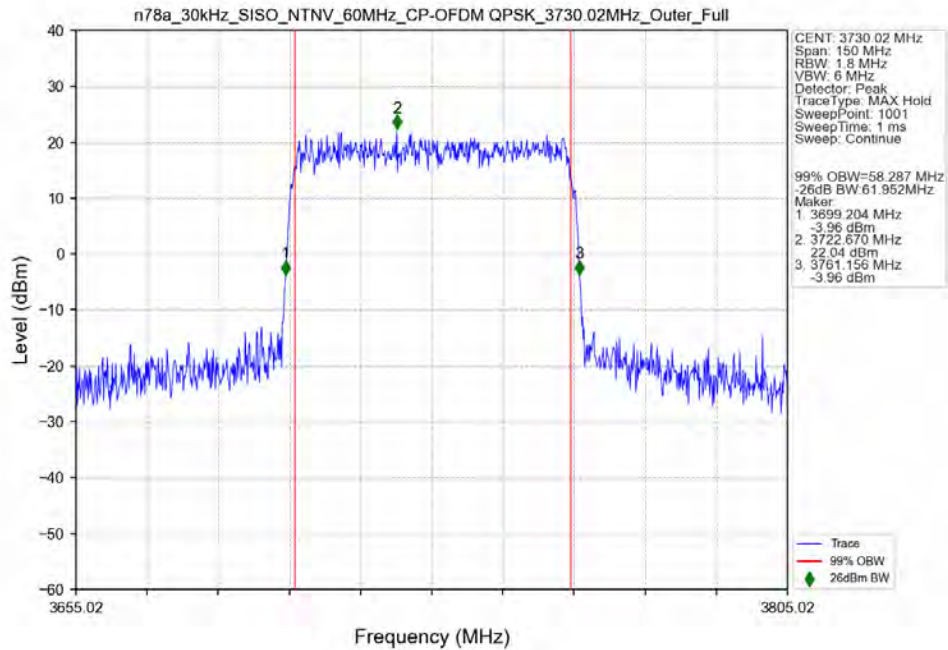
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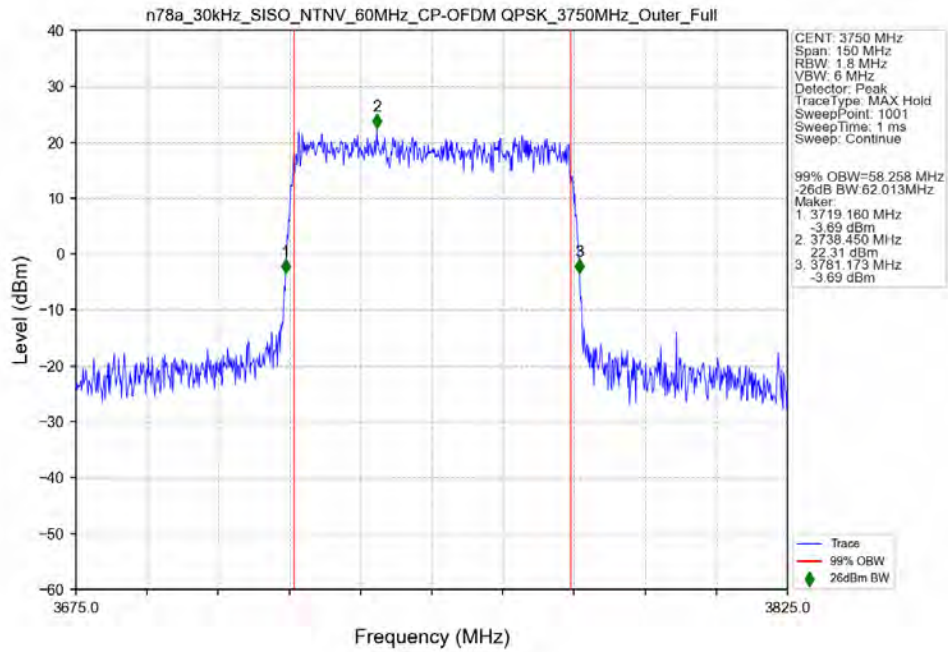
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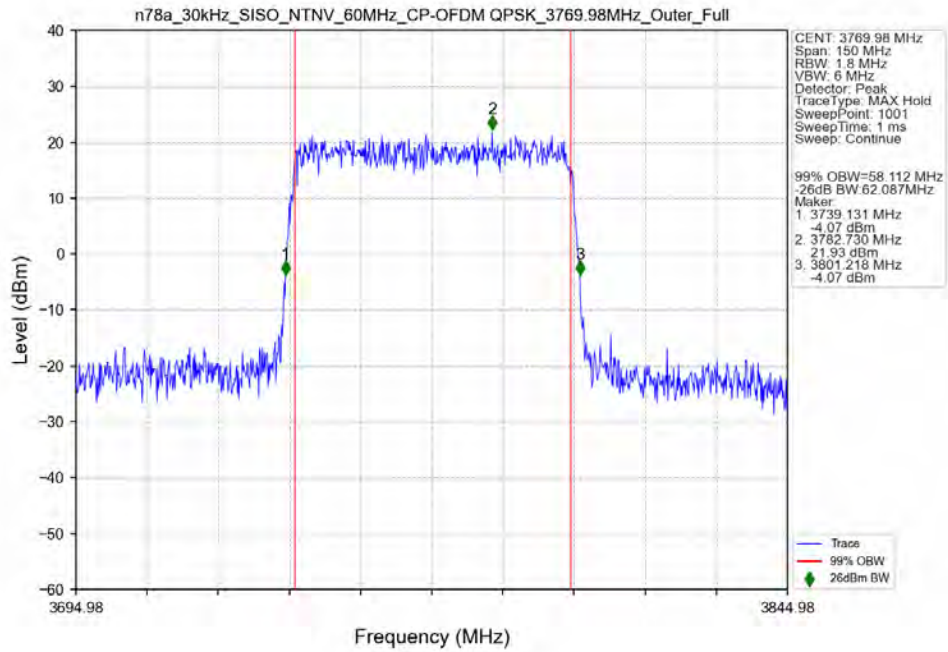
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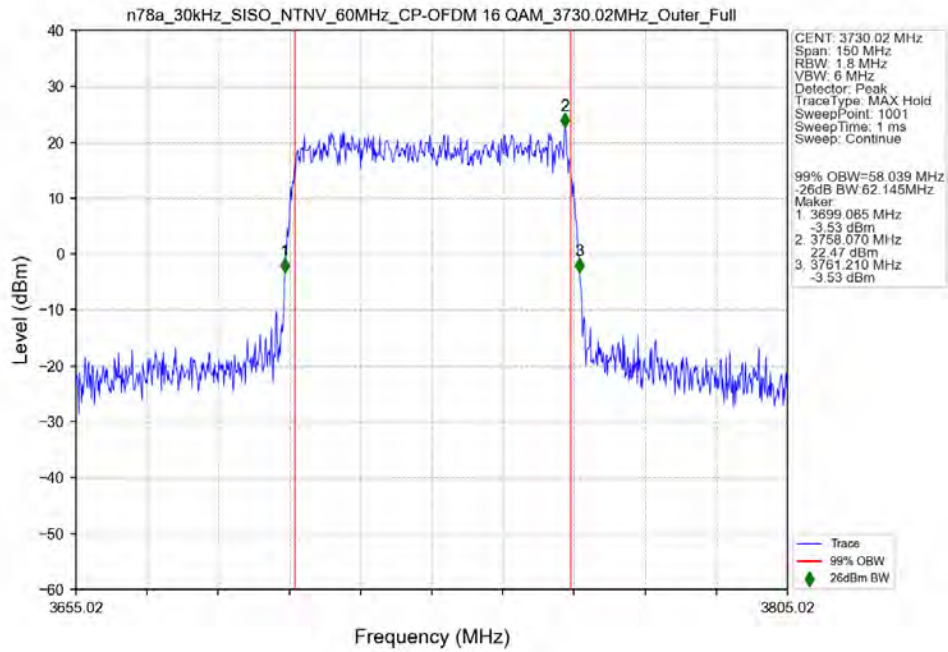
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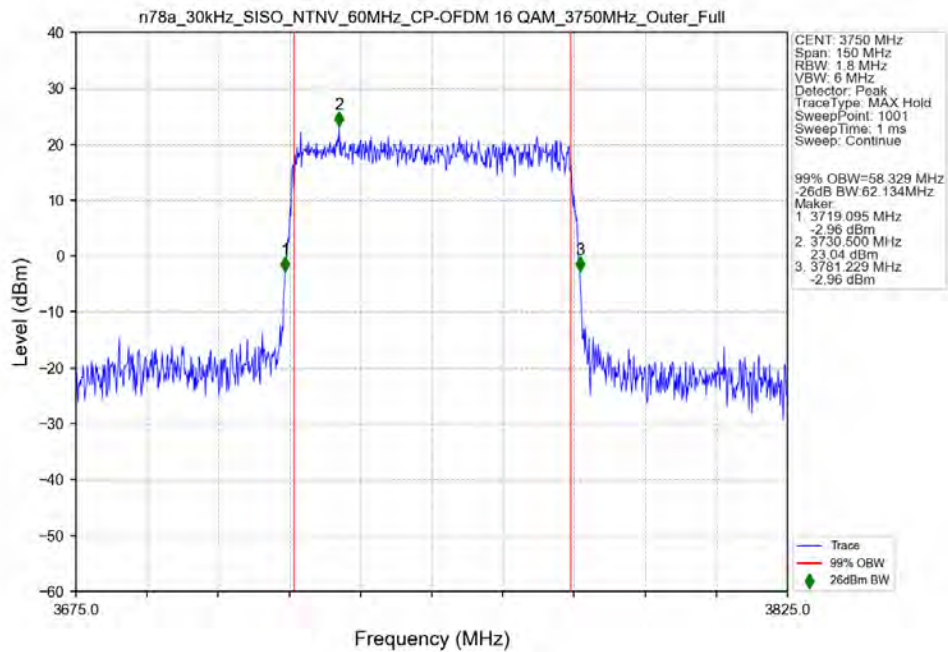
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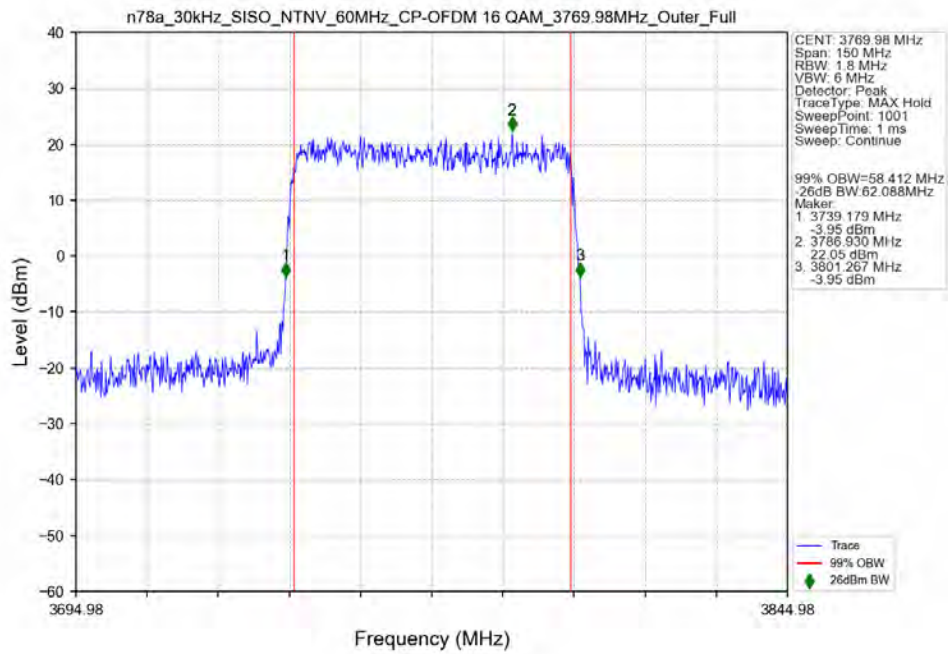
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n78a_30kHz_SISO_NTNV_60MHz_CP-OFDM_16_QAM_3750MHz_Outer_Full_Ant13



n78a_30kHz_SISO_NTNV_60MHz_CP-OFDM 16 QAM 3769.98MHz_Outer_Full_Ant13



n78a_30kHz_SISO_NTNV_60MHz_CP-OFDM 64 QAM 3730.02MHz_Outer_Full_Ant13

