

				HV	-9.90	-0.0038	>=-2.5 & <=2.5	Pass
			-30	NV	-11.00	-0.0042	>=-2.5 & <=2.5	Pass
			-20	NV	-4.00	-0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	5.10	0.0020	>=-2.5 & <=2.5	Pass
			0	NV	4.20	0.0016	>=-2.5 & <=2.5	Pass
			10	NV	5.70	0.0022	>=-2.5 & <=2.5	Pass
			20	NV	-2.80	-0.0011	>=-2.5 & <=2.5	Pass
			30	NV	-1.70	-0.0007	>=-2.5 & <=2.5	Pass
			40	NV	2.50	0.0010	>=-2.5 & <=2.5	Pass
			50	NV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass
CP-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-7.90	-0.0030	>=-2.5 & <=2.5	Pass
				HV	12.00	0.0046	>=-2.5 & <=2.5	Pass
			-30	NV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
			-20	NV	-7.70	-0.0030	>=-2.5 & <=2.5	Pass
			-10	NV	-5.00	-0.0019	>=-2.5 & <=2.5	Pass
			0	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
			10	NV	-6.60	-0.0025	>=-2.5 & <=2.5	Pass
			20	NV	12.60	0.0049	>=-2.5 & <=2.5	Pass
			30	NV	9.10	0.0035	>=-2.5 & <=2.5	Pass
			40	NV	1.00	0.0004	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	2592.99	Outer_Full	20	LV	7.10	0.0027	>=-2.5 & <=2.5	Pass
				HV	-6.10	-0.0024	>=-2.5 & <=2.5	Pass
			-30	NV	1.20	0.0005	>=-2.5 & <=2.5	Pass
			-20	NV	-3.50	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	3.80	0.0015	>=-2.5 & <=2.5	Pass
			0	NV	-12.00	-0.0046	>=-2.5 & <=2.5	Pass
			10	NV	-7.40	-0.0029	>=-2.5 & <=2.5	Pass
			20	NV	-3.60	-0.0014	>=-2.5 & <=2.5	Pass
			30	NV	2.30	0.0009	>=-2.5 & <=2.5	Pass
			40	NV	-4.50	-0.0017	>=-2.5 & <=2.5	Pass
			50	NV	9.30	0.0036	>=-2.5 & <=2.5	Pass

2.1.9 30k_SISO_80MHz

5G NR n41 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	2592.99	Outer_Full	20	LV	-2.10	-0.0008	>=-2.5 & <=2.5	Pass
				HV	-3.00	-0.0012	>=-2.5 & <=2.5	Pass
			-30	NV	-8.00	-0.0031	>=-2.5 & <=2.5	Pass
			-20	NV	4.70	0.0018	>=-2.5 & <=2.5	Pass
			-10	NV	2.10	0.0008	>=-2.5 & <=2.5	Pass
			0	NV	-1.90	-0.0007	>=-2.5 & <=2.5	Pass
			10	NV	3.50	0.0013	>=-2.5 & <=2.5	Pass
			20	NV	12.10	0.0047	>=-2.5 & <=2.5	Pass
			30	NV	-5.60	-0.0022	>=-2.5 & <=2.5	Pass
			40	NV	9.30	0.0036	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2592.99	Outer_Full	20	LV	2.40	0.0009	>=-2.5 & <=2.5	Pass
				HV	2.30	0.0009	>=-2.5 & <=2.5	Pass
			-30	NV	-9.10	-0.0035	>=-2.5 & <=2.5	Pass
			-20	NV	5.70	0.0022	>=-2.5 & <=2.5	Pass
			-10	NV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
			0	NV	-8.50	-0.0033	>=-2.5 & <=2.5	Pass
			10	NV	-9.50	-0.0037	>=-2.5 & <=2.5	Pass
			20	NV	13.70	0.0053	>=-2.5 & <=2.5	Pass

			30	NV	-2.10	-0.0008	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			40	NV	2.70	0.0010	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			50	NV	-8.60	-0.0033	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
DFT-s-OFDM 16 QAM	2592.99	Outer_Full	20	LV	-6.70	-0.0026	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
				HV	3.80	0.0015	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-30	NV	2.10	0.0008	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-20	NV	5.70	0.0022	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-10	NV	10.60	0.0041	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			0	NV	8.10	0.0031	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			10	NV	-12.60	-0.0049	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			20	NV	-15.40	-0.0059	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			30	NV	-2.00	-0.0008	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			40	NV	9.20	0.0035	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			50	NV	2.70	0.0010	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
DFT-s-OFDM 64 QAM	2592.99	Outer_Full	20	LV	0.30	0.0001	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
				HV	-4.70	-0.0018	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-30	NV	-4.80	-0.0019	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-20	NV	-5.50	-0.0021	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-10	NV	2.20	0.0008	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			0	NV	-6.20	-0.0024	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			10	NV	4.00	0.0015	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			20	NV	3.10	0.0012	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			30	NV	3.60	0.0014	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			40	NV	4.80	0.0019	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
DFT-s-OFDM 256 QAM	2592.99	Outer_Full	50	NV	13.70	0.0053	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			20	LV	2.60	0.0010	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
				HV	-0.90	-0.0003	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-30	NV	-1.90	-0.0007	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-20	NV	10.00	0.0039	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-10	NV	4.10	0.0016	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			0	NV	5.50	0.0021	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			10	NV	-6.10	-0.0024	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			20	NV	13.40	0.0052	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			30	NV	-5.00	-0.0019	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
CP-OFDM QPSK	2592.99	Outer_Full	40	NV	8.00	0.0031	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			50	NV	4.40	0.0017	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			20	LV	9.00	0.0035	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
				HV	5.10	0.0020	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-30	NV	7.90	0.0030	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-20	NV	4.40	0.0017	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-10	NV	-5.40	-0.0021	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			0	NV	-6.10	-0.0024	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			10	NV	-7.80	-0.0030	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			20	NV	5.10	0.0020	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
CP-OFDM 16 QAM	2592.99	Outer_Full	30	NV	-5.20	-0.0020	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			40	NV	-4.20	-0.0016	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			50	NV	9.40	0.0036	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			20	LV	9.00	0.0035	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
				HV	3.80	0.0015	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-30	NV	13.50	0.0052	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-20	NV	-11.30	-0.0044	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			-10	NV	8.40	0.0032	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			0	NV	-9.10	-0.0035	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			10	NV	4.00	0.0015	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
CP-OFDM 64 QAM	2592.99	Outer_Full	20	NV	2.10	0.0008	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			30	NV	-13.10	-0.0051	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			40	NV	-2.70	-0.0010	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			50	NV	-7.70	-0.0030	$\geq -2.5 \text{ \& } \leq 2.5$	Pass
			20	LV	12.00	0.0046	$\geq -2.5 \text{ \& } \leq 2.5$	Pass

				HV	2.90	0.0011	>=-2.5 & <=2.5	Pass
			-30	NV	-5.60	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	4.40	0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	-6.60	-0.0025	>=-2.5 & <=2.5	Pass
			0	NV	6.30	0.0024	>=-2.5 & <=2.5	Pass
			10	NV	5.00	0.0019	>=-2.5 & <=2.5	Pass
			20	NV	9.90	0.0038	>=-2.5 & <=2.5	Pass
			30	NV	-10.50	-0.0040	>=-2.5 & <=2.5	Pass
			40	NV	12.50	0.0048	>=-2.5 & <=2.5	Pass
			50	NV	14.90	0.0057	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	2592.99	Outer_Full	20	LV	8.10	0.0031	>=-2.5 & <=2.5	Pass
				HV	7.60	0.0029	>=-2.5 & <=2.5	Pass
			-30	NV	-8.40	-0.0032	>=-2.5 & <=2.5	Pass
			-20	NV	-4.40	-0.0017	>=-2.5 & <=2.5	Pass
			-10	NV	7.00	0.0027	>=-2.5 & <=2.5	Pass
			0	NV	2.70	0.0010	>=-2.5 & <=2.5	Pass
			10	NV	4.10	0.0016	>=-2.5 & <=2.5	Pass
			20	NV	-6.60	-0.0025	>=-2.5 & <=2.5	Pass
			30	NV	10.80	0.0042	>=-2.5 & <=2.5	Pass
			40	NV	2.90	0.0011	>=-2.5 & <=2.5	Pass
			50	NV	6.00	0.0023	>=-2.5 & <=2.5	Pass

2.1.10 30k_SISO_90MHz

5G NR n41 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	2592.99	Outer_Full	20	LV	-9.00	-0.0035	>=-2.5 & <=2.5	Pass
				HV	10.00	0.0039	>=-2.5 & <=2.5	Pass
			-30	NV	-4.60	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	8.10	0.0031	>=-2.5 & <=2.5	Pass
			-10	NV	10.30	0.0040	>=-2.5 & <=2.5	Pass
			0	NV	-10.50	-0.0040	>=-2.5 & <=2.5	Pass
			10	NV	7.90	0.0030	>=-2.5 & <=2.5	Pass
			20	NV	-9.30	-0.0036	>=-2.5 & <=2.5	Pass
			30	NV	4.20	0.0016	>=-2.5 & <=2.5	Pass
			40	NV	2.10	0.0008	>=-2.5 & <=2.5	Pass
			50	NV	-2.70	-0.0010	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2592.99	Outer_Full	20	LV	1.90	0.0007	>=-2.5 & <=2.5	Pass
				HV	-8.60	-0.0033	>=-2.5 & <=2.5	Pass
			-30	NV	1.80	0.0007	>=-2.5 & <=2.5	Pass
			-20	NV	-3.40	-0.0013	>=-2.5 & <=2.5	Pass
			-10	NV	-3.40	-0.0013	>=-2.5 & <=2.5	Pass
			0	NV	-2.40	-0.0009	>=-2.5 & <=2.5	Pass
			10	NV	-4.10	-0.0016	>=-2.5 & <=2.5	Pass
			20	NV	7.20	0.0028	>=-2.5 & <=2.5	Pass
			30	NV	6.70	0.0026	>=-2.5 & <=2.5	Pass
			40	NV	-6.30	-0.0024	>=-2.5 & <=2.5	Pass
			50	NV	-20.00	-0.0077	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2592.99	Outer_Full	20	LV	4.50	0.0017	>=-2.5 & <=2.5	Pass
				HV	9.80	0.0038	>=-2.5 & <=2.5	Pass
			-30	NV	-10.20	-0.0039	>=-2.5 & <=2.5	Pass
			-20	NV	-12.20	-0.0047	>=-2.5 & <=2.5	Pass
			-10	NV	-12.10	-0.0047	>=-2.5 & <=2.5	Pass
			0	NV	-6.70	-0.0026	>=-2.5 & <=2.5	Pass
			10	NV	-3.30	-0.0013	>=-2.5 & <=2.5	Pass
			20	NV	-3.80	-0.0015	>=-2.5 & <=2.5	Pass

			30	NV	-2.80	-0.0011	≥ -2.5 & ≤ 2.5	Pass
			40	NV	7.60	0.0029	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-6.40	-0.0025	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-4.80	-0.0019	≥ -2.5 & ≤ 2.5	Pass
				HV	-8.60	-0.0033	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	5.00	0.0019	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-9.80	-0.0038	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	2.20	0.0008	≥ -2.5 & ≤ 2.5	Pass
			0	NV	-7.90	-0.0030	≥ -2.5 & ≤ 2.5	Pass
			10	NV	12.20	0.0047	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-3.60	-0.0014	≥ -2.5 & ≤ 2.5	Pass
			30	NV	11.00	0.0042	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-7.90	-0.0030	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-7.80	-0.0030	≥ -2.5 & ≤ 2.5	Pass
DFT-s-OFDM 256 QAM	2592.99	Outer_Full	20	LV	-2.00	-0.0008	≥ -2.5 & ≤ 2.5	Pass
				HV	3.50	0.0013	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-18.70	-0.0072	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-12.20	-0.0047	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-8.30	-0.0032	≥ -2.5 & ≤ 2.5	Pass
			0	NV	3.30	0.0013	≥ -2.5 & ≤ 2.5	Pass
			10	NV	1.70	0.0007	≥ -2.5 & ≤ 2.5	Pass
			20	NV	2.80	0.0011	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-8.40	-0.0032	≥ -2.5 & ≤ 2.5	Pass
			40	NV	5.60	0.0022	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM QPSK	2592.99	Outer_Full	50	NV	-9.00	-0.0035	≥ -2.5 & ≤ 2.5	Pass
			20	LV	5.60	0.0022	≥ -2.5 & ≤ 2.5	Pass
				HV	4.20	0.0016	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	-3.50	-0.0013	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-7.40	-0.0029	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-11.40	-0.0044	≥ -2.5 & ≤ 2.5	Pass
			0	NV	1.50	0.0006	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-7.30	-0.0028	≥ -2.5 & ≤ 2.5	Pass
			20	NV	-6.80	-0.0026	≥ -2.5 & ≤ 2.5	Pass
			30	NV	12.90	0.0050	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 16 QAM	2592.99	Outer_Full	40	NV	4.70	0.0018	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-6.60	-0.0025	≥ -2.5 & ≤ 2.5	Pass
			20	LV	6.40	0.0025	≥ -2.5 & ≤ 2.5	Pass
				HV	-8.10	-0.0031	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	0.80	0.0003	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	6.40	0.0025	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-2.00	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			0	NV	7.20	0.0028	≥ -2.5 & ≤ 2.5	Pass
			10	NV	-15.90	-0.0061	≥ -2.5 & ≤ 2.5	Pass
			20	NV	3.70	0.0014	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 64 QAM	2592.99	Outer_Full	30	NV	-2.20	-0.0008	≥ -2.5 & ≤ 2.5	Pass
			40	NV	-11.80	-0.0046	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-6.30	-0.0024	≥ -2.5 & ≤ 2.5	Pass
			20	LV	-4.40	-0.0017	≥ -2.5 & ≤ 2.5	Pass
				HV	-7.80	-0.0030	≥ -2.5 & ≤ 2.5	Pass
			-30	NV	8.90	0.0034	≥ -2.5 & ≤ 2.5	Pass
			-20	NV	-8.30	-0.0032	≥ -2.5 & ≤ 2.5	Pass
			-10	NV	-14.80	-0.0057	≥ -2.5 & ≤ 2.5	Pass
			0	NV	3.60	0.0014	≥ -2.5 & ≤ 2.5	Pass
			10	NV	10.70	0.0041	≥ -2.5 & ≤ 2.5	Pass
CP-OFDM 256 QAM	2592.99	Outer_Full	20	NV	-5.50	-0.0021	≥ -2.5 & ≤ 2.5	Pass
			30	NV	-8.10	-0.0031	≥ -2.5 & ≤ 2.5	Pass
			40	NV	6.70	0.0026	≥ -2.5 & ≤ 2.5	Pass
			50	NV	-4.00	-0.0015	≥ -2.5 & ≤ 2.5	Pass
			20	LV	16.20	0.0062	≥ -2.5 & ≤ 2.5	Pass

				HV	0.90	0.0003	>=-2.5 & <=2.5	Pass
			-30	NV	7.70	0.0030	>=-2.5 & <=2.5	Pass
			-20	NV	-14.80	-0.0057	>=-2.5 & <=2.5	Pass
			-10	NV	6.30	0.0024	>=-2.5 & <=2.5	Pass
			0	NV	12.90	0.0050	>=-2.5 & <=2.5	Pass
			10	NV	-10.70	-0.0041	>=-2.5 & <=2.5	Pass
			20	NV	-10.80	-0.0042	>=-2.5 & <=2.5	Pass
			30	NV	-7.60	-0.0029	>=-2.5 & <=2.5	Pass
			40	NV	-5.70	-0.0022	>=-2.5 & <=2.5	Pass
			50	NV	10.40	0.0040	>=-2.5 & <=2.5	Pass

2.1.11 30k_SISO_100MHz

5G NR n41 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	2592.99	Outer_Full	20	LV	-1.90	-0.0007	>=-2.5 & <=2.5	Pass
				HV	11.30	0.0044	>=-2.5 & <=2.5	Pass
			-30	NV	3.20	0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	7.10	0.0027	>=-2.5 & <=2.5	Pass
			-10	NV	6.40	0.0025	>=-2.5 & <=2.5	Pass
			0	NV	-14.60	-0.0056	>=-2.5 & <=2.5	Pass
			10	NV	13.90	0.0054	>=-2.5 & <=2.5	Pass
			20	NV	-5.80	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	5.10	0.0020	>=-2.5 & <=2.5	Pass
			40	NV	5.30	0.0020	>=-2.5 & <=2.5	Pass
DFT-s-OFDM QPSK	2592.99	Outer_Full	20	LV	4.60	0.0018	>=-2.5 & <=2.5	Pass
				HV	2.50	0.0010	>=-2.5 & <=2.5	Pass
			-30	NV	-11.70	-0.0045	>=-2.5 & <=2.5	Pass
			-20	NV	3.60	0.0014	>=-2.5 & <=2.5	Pass
			-10	NV	-8.80	-0.0034	>=-2.5 & <=2.5	Pass
			0	NV	5.90	0.0023	>=-2.5 & <=2.5	Pass
			10	NV	-17.60	-0.0068	>=-2.5 & <=2.5	Pass
			20	NV	-2.80	-0.0011	>=-2.5 & <=2.5	Pass
			30	NV	-7.00	-0.0027	>=-2.5 & <=2.5	Pass
			40	NV	-10.50	-0.0040	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 16 QAM	2592.99	Outer_Full	20	LV	-11.30	-0.0044	>=-2.5 & <=2.5	Pass
				HV	-8.30	-0.0032	>=-2.5 & <=2.5	Pass
			-30	NV	-7.60	-0.0029	>=-2.5 & <=2.5	Pass
			-20	NV	6.80	0.0026	>=-2.5 & <=2.5	Pass
			-10	NV	8.00	0.0031	>=-2.5 & <=2.5	Pass
			0	NV	4.40	0.0017	>=-2.5 & <=2.5	Pass
			10	NV	-3.80	-0.0015	>=-2.5 & <=2.5	Pass
			20	NV	8.80	0.0034	>=-2.5 & <=2.5	Pass
			30	NV	-6.40	-0.0025	>=-2.5 & <=2.5	Pass
			40	NV	-3.70	-0.0014	>=-2.5 & <=2.5	Pass
DFT-s-OFDM 64 QAM	2592.99	Outer_Full	20	LV	-8.00	-0.0031	>=-2.5 & <=2.5	Pass
				HV	7.30	0.0028	>=-2.5 & <=2.5	Pass
			-30	NV	-3.00	-0.0012	>=-2.5 & <=2.5	Pass
			-20	NV	3.90	0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	-21.60	-0.0083	>=-2.5 & <=2.5	Pass
			0	NV	-2.60	-0.0010	>=-2.5 & <=2.5	Pass
			10	NV	-12.00	-0.0046	>=-2.5 & <=2.5	Pass
			20	NV	-5.30	-0.0020	>=-2.5 & <=2.5	Pass

			30	NV	-4.80	-0.0019	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-5.60	-0.0022	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	7.10	0.0027	$\geq -2.5 \ \& \ \leq 2.5$	Pass
DFT-s-OFDM 256 QAM	2592.99	Outer_Full	20	LV	7.00	0.0027	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-1.90	-0.0007	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-1.70	-0.0007	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	3.30	0.0013	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-7.00	-0.0027	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-10.20	-0.0039	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	1.60	0.0006	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-11.70	-0.0045	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	-5.10	-0.0020	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-8.60	-0.0033	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	4.70	0.0018	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM QPSK	2592.99	Outer_Full	20	LV	5.90	0.0023	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	12.20	0.0047	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-4.60	-0.0018	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-4.20	-0.0016	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	2.50	0.0010	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-6.90	-0.0027	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	9.10	0.0035	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-5.30	-0.0020	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	5.20	0.0020	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	1.10	0.0004	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 16 QAM	2592.99	Outer_Full	50	NV	2.50	0.0010	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	LV	3.70	0.0014	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-5.10	-0.0020	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	-10.50	-0.0040	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	5.70	0.0022	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-9.40	-0.0036	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	3.40	0.0013	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	-3.30	-0.0013	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-12.40	-0.0048	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	4.10	0.0016	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 64 QAM	2592.99	Outer_Full	40	NV	4.90	0.0019	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	-4.80	-0.0019	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	LV	7.50	0.0029	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	3.90	0.0015	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	9.20	0.0035	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-6.10	-0.0024	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	7.20	0.0028	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	-5.30	-0.0020	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	12.70	0.0049	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	-6.30	-0.0024	$\geq -2.5 \ \& \ \leq 2.5$	Pass
CP-OFDM 256 QAM	2592.99	Outer_Full	30	NV	1.50	0.0006	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	4.20	0.0016	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	6.60	0.0025	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	LV	2.10	0.0008	$\geq -2.5 \ \& \ \leq 2.5$	Pass
				HV	-4.20	-0.0016	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-30	NV	13.30	0.0051	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-20	NV	-2.60	-0.0010	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			-10	NV	-10.10	-0.0039	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			0	NV	9.00	0.0035	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			10	NV	9.50	0.0037	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			20	NV	3.80	0.0015	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			30	NV	10.20	0.0039	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			40	NV	-3.30	-0.0013	$\geq -2.5 \ \& \ \leq 2.5$	Pass
			50	NV	1.20	0.0005	$\geq -2.5 \ \& \ \leq 2.5$	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 30k_SISO_10MHz_NTNV

5G NR n41 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	2501.01	Outer_Full	8.72	10.16	/	Pass
	2592.99	Outer_Full	8.76	10.27	/	Pass
	2685	Outer_Full	8.76	10.23	/	Pass
DFT-s-OFDM QPSK	2501.01	Outer_Full	8.73	10.26	/	Pass
	2592.99	Outer_Full	8.74	10.34	/	Pass
	2685	Outer_Full	8.77	10.36	/	Pass
DFT-s-OFDM 16 QAM	2501.01	Outer_Full	8.74	10.21	/	Pass
	2592.99	Outer_Full	8.70	10.20	/	Pass
	2685	Outer_Full	8.77	10.28	/	Pass
DFT-s-OFDM 64 QAM	2501.01	Outer_Full	8.73	10.32	/	Pass
	2592.99	Outer_Full	8.72	10.36	/	Pass
	2685	Outer_Full	8.75	10.20	/	Pass
DFT-s-OFDM 256 QAM	2501.01	Outer_Full	8.69	10.18	/	Pass
	2592.99	Outer_Full	8.83	10.55	/	Pass
	2685	Outer_Full	8.69	9.99	/	Pass
CP-OFDM QPSK	2501.01	Outer_Full	8.76	10.41	/	Pass
	2592.99	Outer_Full	8.76	10.47	/	Pass
	2685	Outer_Full	8.78	10.53	/	Pass
CP-OFDM 16 QAM	2501.01	Outer_Full	8.76	10.30	/	Pass
	2592.99	Outer_Full	8.74	10.26	/	Pass
	2685	Outer_Full	8.81	10.38	/	Pass
CP-OFDM 64 QAM	2501.01	Outer_Full	8.73	10.25	/	Pass
	2592.99	Outer_Full	8.80	10.44	/	Pass
	2685	Outer_Full	8.77	10.37	/	Pass
CP-OFDM 256 QAM	2501.01	Outer_Full	8.78	10.29	/	Pass
	2592.99	Outer_Full	8.71	10.17	/	Pass
	2685	Outer_Full	8.77	10.27	/	Pass

3.1.2 30k_SISO_15MHz_NTNV

5G NR n41 SCS=30kHz SISO 15MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2503.5	Outer_Full	13.08	14.82	/	Pass
	2592.99	Outer_Full	13.11	14.69	/	Pass
	2682.48	Outer_Full	13.10	14.71	/	Pass
DFT-s-OFDM QPSK	2503.5	Outer_Full	13.07	14.64	/	Pass
	2592.99	Outer_Full	13.12	14.94	/	Pass
	2682.48	Outer_Full	13.12	14.97	/	Pass
DFT-s-OFDM 16 QAM	2503.5	Outer_Full	13.11	14.79	/	Pass
	2592.99	Outer_Full	13.10	14.53	/	Pass
	2682.48	Outer_Full	13.14	14.86	/	Pass
DFT-s-OFDM 64 QAM	2503.5	Outer_Full	13.11	14.82	/	Pass
	2592.99	Outer_Full	13.13	15.07	/	Pass
	2682.48	Outer_Full	13.15	14.71	/	Pass
DFT-s-OFDM 256 QAM	2503.5	Outer_Full	13.06	14.73	/	Pass
	2592.99	Outer_Full	13.08	14.53	/	Pass

CP-OFDM QPSK	2682.48	Outer_Full	13.05	14.76	/	Pass
	2503.5	Outer_Full	13.73	15.56	/	Pass
	2592.99	Outer_Full	13.82	15.61	/	Pass
	2682.48	Outer_Full	13.84	15.43	/	Pass
CP-OFDM 16 QAM	2503.5	Outer_Full	13.78	15.70	/	Pass
	2592.99	Outer_Full	13.83	16.72	/	Pass
	2682.48	Outer_Full	13.81	15.98	/	Pass
CP-OFDM 64 QAM	2503.5	Outer_Full	13.86	15.59	/	Pass
	2592.99	Outer_Full	13.87	15.56	/	Pass
	2682.48	Outer_Full	13.83	15.70	/	Pass
CP-OFDM 256 QAM	2503.5	Outer_Full	13.79	15.36	/	Pass
	2592.99	Outer_Full	13.78	15.44	/	Pass
	2682.48	Outer_Full	13.75	15.53	/	Pass

3.1.3 30k_SISO_20MHz_NTNV

5G NR n41 SCS=30kHz SISO 20MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2506.02	Outer_Full	18.14	20.01	/	Pass
	2592.99	Outer_Full	18.16	20.30	/	Pass
	2679.99	Outer_Full	18.12	20.13	/	Pass
DFT-s-OFDM QPSK	2506.02	Outer_Full	18.13	19.87	/	Pass
	2592.99	Outer_Full	18.18	20.15	/	Pass
	2679.99	Outer_Full	18.18	19.85	/	Pass
DFT-s-OFDM 16 QAM	2506.02	Outer_Full	18.17	20.06	/	Pass
	2592.99	Outer_Full	18.22	20.27	/	Pass
	2679.99	Outer_Full	18.19	20.36	/	Pass
DFT-s-OFDM 64 QAM	2506.02	Outer_Full	18.25	19.96	/	Pass
	2592.99	Outer_Full	18.18	20.34	/	Pass
	2679.99	Outer_Full	18.21	20.16	/	Pass
DFT-s-OFDM 256 QAM	2506.02	Outer_Full	18.15	19.89	/	Pass
	2592.99	Outer_Full	18.15	19.90	/	Pass
	2679.99	Outer_Full	18.11	20.02	/	Pass
CP-OFDM QPSK	2506.02	Outer_Full	18.44	20.34	/	Pass
	2592.99	Outer_Full	18.56	20.44	/	Pass
	2679.99	Outer_Full	18.50	20.52	/	Pass
CP-OFDM 16 QAM	2506.02	Outer_Full	18.51	20.64	/	Pass
	2592.99	Outer_Full	18.58	25.13	/	Pass
	2679.99	Outer_Full	18.51	20.35	/	Pass
CP-OFDM 64 QAM	2506.02	Outer_Full	18.40	20.51	/	Pass
	2592.99	Outer_Full	18.50	20.61	/	Pass
	2679.99	Outer_Full	18.55	20.64	/	Pass
CP-OFDM 256 QAM	2506.02	Outer_Full	18.41	20.25	/	Pass
	2592.99	Outer_Full	18.47	20.39	/	Pass
	2679.99	Outer_Full	18.44	20.44	/	Pass

3.1.4 30k_SISO_30MHz_NTNV

5G NR n41 SCS=30kHz SISO 30MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2511	Outer_Full	27.16	29.64	/	Pass
	2592.99	Outer_Full	27.12	29.41	/	Pass
	2674.98	Outer_Full	27.09	29.36	/	Pass
DFT-s-OFDM QPSK	2511	Outer_Full	27.18	29.43	/	Pass

	2592.99	Outer_Full	27.20	29.64	/	Pass
	2674.98	Outer_Full	27.11	29.50	/	Pass
	2511	Outer_Full	27.14	29.48	/	Pass
DFT-s-OFDM 16 QAM	2592.99	Outer_Full	27.16	29.57	/	Pass
	2674.98	Outer_Full	27.16	29.46	/	Pass
	2511	Outer_Full	27.13	29.41	/	Pass
DFT-s-OFDM 64 QAM	2592.99	Outer_Full	27.15	29.18	/	Pass
	2674.98	Outer_Full	27.14	29.31	/	Pass
	2511	Outer_Full	27.12	29.46	/	Pass
DFT-s-OFDM 256 QAM	2592.99	Outer_Full	27.11	29.47	/	Pass
	2674.98	Outer_Full	27.20	29.33	/	Pass
	2511	Outer_Full	28.11	30.32	/	Pass
CP-OFDM QPSK	2592.99	Outer_Full	28.17	30.36	/	Pass
	2674.98	Outer_Full	28.21	30.62	/	Pass
	2511	Outer_Full	28.20	30.46	/	Pass
CP-OFDM 16 QAM	2592.99	Outer_Full	28.27	32.42	/	Pass
	2674.98	Outer_Full	28.15	32.16	/	Pass
	2511	Outer_Full	28.14	30.95	/	Pass
CP-OFDM 64 QAM	2592.99	Outer_Full	28.25	33.75	/	Pass
	2674.98	Outer_Full	28.16	35.05	/	Pass
	2511	Outer_Full	28.18	30.50	/	Pass
CP-OFDM 256 QAM	2592.99	Outer_Full	28.18	30.60	/	Pass
	2674.98	Outer_Full	28.13	30.48	/	Pass

3.1.5 30k_SISO_40MHz_NTNV

5G NR n41 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	2516.01	Outer_Full	36.12	38.80	/	Pass
	2592.99	Outer_Full	36.10	38.50	/	Pass
	2670	Outer_Full	36.04	38.57	/	Pass
DFT-s-OFDM QPSK	2516.01	Outer_Full	36.17	38.76	/	Pass
	2592.99	Outer_Full	36.08	38.87	/	Pass
	2670	Outer_Full	36.02	39.10	/	Pass
DFT-s-OFDM 16 QAM	2516.01	Outer_Full	36.05	38.81	/	Pass
	2592.99	Outer_Full	36.08	38.88	/	Pass
	2670	Outer_Full	35.98	38.80	/	Pass
DFT-s-OFDM 64 QAM	2516.01	Outer_Full	36.21	38.99	/	Pass
	2592.99	Outer_Full	36.27	38.98	/	Pass
	2670	Outer_Full	36.16	38.84	/	Pass
DFT-s-OFDM 256 QAM	2516.01	Outer_Full	36.04	39.01	/	Pass
	2592.99	Outer_Full	36.05	38.87	/	Pass
	2670	Outer_Full	35.95	39.00	/	Pass
CP-OFDM QPSK	2516.01	Outer_Full	38.18	41.05	/	Pass
	2592.99	Outer_Full	38.29	41.16	/	Pass
	2670	Outer_Full	38.08	40.95	/	Pass
CP-OFDM 16 QAM	2516.01	Outer_Full	38.37	40.99	/	Pass
	2592.99	Outer_Full	38.33	40.94	/	Pass
	2670	Outer_Full	38.38	40.95	/	Pass
CP-OFDM 64 QAM	2516.01	Outer_Full	38.21	40.91	/	Pass
	2592.99	Outer_Full	38.18	45.77	/	Pass
	2670	Outer_Full	38.12	41.02	/	Pass
CP-OFDM 256 QAM	2516.01	Outer_Full	38.19	41.09	/	Pass
	2592.99	Outer_Full	38.17	41.23	/	Pass
	2670	Outer_Full	38.03	41.12	/	Pass

3.1.6 30k_SISO_50MHz_NTNV

5G NR n41 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	2521.02	Outer_Full	46.16	49.61	/	Pass
	2592.99	Outer_Full	46.30	49.47	/	Pass
	2664.99	Outer_Full	46.15	49.29	/	Pass
DFT-s-OFDM QPSK	2521.02	Outer_Full	46.18	49.45	/	Pass
	2592.99	Outer_Full	46.12	49.38	/	Pass
	2664.99	Outer_Full	46.02	49.38	/	Pass
DFT-s-OFDM 16 QAM	2521.02	Outer_Full	46.13	49.32	/	Pass
	2592.99	Outer_Full	46.32	49.56	/	Pass
	2664.99	Outer_Full	46.18	49.40	/	Pass
DFT-s-OFDM 64 QAM	2521.02	Outer_Full	46.18	49.73	/	Pass
	2592.99	Outer_Full	46.23	49.54	/	Pass
	2664.99	Outer_Full	46.03	49.28	/	Pass
DFT-s-OFDM 256 QAM	2521.02	Outer_Full	46.20	49.35	/	Pass
	2592.99	Outer_Full	46.08	49.34	/	Pass
	2664.99	Outer_Full	46.06	49.21	/	Pass
CP-OFDM QPSK	2521.02	Outer_Full	47.88	51.20	/	Pass
	2592.99	Outer_Full	47.95	51.24	/	Pass
	2664.99	Outer_Full	47.74	51.04	/	Pass
CP-OFDM 16 QAM	2521.02	Outer_Full	47.91	51.17	/	Pass
	2592.99	Outer_Full	47.97	51.32	/	Pass
	2664.99	Outer_Full	47.76	51.28	/	Pass
CP-OFDM 64 QAM	2521.02	Outer_Full	47.94	51.34	/	Pass
	2592.99	Outer_Full	48.13	56.01	/	Pass
	2664.99	Outer_Full	47.83	53.11	/	Pass
CP-OFDM 256 QAM	2521.02	Outer_Full	47.96	51.27	/	Pass
	2592.99	Outer_Full	47.93	51.16	/	Pass
	2664.99	Outer_Full	47.92	51.10	/	Pass

3.1.7 30k_SISO_60MHz_NTNV

5G NR n41 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	2526	Outer_Full	58.49	62.35	/	Pass
	2592.99	Outer_Full	58.33	62.21	/	Pass
	2659.98	Outer_Full	58.28	62.27	/	Pass
DFT-s-OFDM QPSK	2526	Outer_Full	58.50	62.37	/	Pass
	2592.99	Outer_Full	58.22	62.38	/	Pass
	2659.98	Outer_Full	58.07	62.28	/	Pass
DFT-s-OFDM 16 QAM	2526	Outer_Full	58.45	62.39	/	Pass
	2592.99	Outer_Full	58.27	62.29	/	Pass
	2659.98	Outer_Full	58.29	62.39	/	Pass
DFT-s-OFDM 64 QAM	2526	Outer_Full	58.51	62.31	/	Pass
	2592.99	Outer_Full	58.41	62.25	/	Pass
	2659.98	Outer_Full	58.27	62.19	/	Pass
DFT-s-OFDM 256 QAM	2526	Outer_Full	58.39	62.29	/	Pass
	2592.99	Outer_Full	58.27	62.21	/	Pass
	2659.98	Outer_Full	58.13	62.13	/	Pass
CP-OFDM QPSK	2526	Outer_Full	58.38	62.44	/	Pass
	2592.99	Outer_Full	58.45	63.87	/	Pass
	2659.98	Outer_Full	58.22	62.20	/	Pass
CP-OFDM 16 QAM	2526	Outer_Full	58.42	62.45	/	Pass

CP-OFDM 64 QAM	2592.99	Outer_Full	58.43	62.68	/	Pass
	2659.98	Outer_Full	58.16	62.22	/	Pass
	2526	Outer_Full	58.53	62.45	/	Pass
	2592.99	Outer_Full	58.59	65.14	/	Pass
	2659.98	Outer_Full	58.38	64.37	/	Pass
CP-OFDM 256 QAM	2526	Outer_Full	58.49	62.37	/	Pass
	2592.99	Outer_Full	58.41	62.34	/	Pass
	2659.98	Outer_Full	58.13	62.24	/	Pass

3.1.8 30k_SISO_70MHz_NTNV

5G NR n41 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	2531.01	Outer_Full	65.09	69.66	/	Pass
	2592.99	Outer_Full	64.91	69.41	/	Pass
	2655	Outer_Full	64.96	69.55	/	Pass
DFT-s-OFDM QPSK	2531.01	Outer_Full	65.00	69.51	/	Pass
	2592.99	Outer_Full	64.77	69.58	/	Pass
	2655	Outer_Full	64.86	69.61	/	Pass
DFT-s-OFDM 16 QAM	2531.01	Outer_Full	65.01	69.57	/	Pass
	2592.99	Outer_Full	64.98	69.54	/	Pass
	2655	Outer_Full	64.79	69.49	/	Pass
DFT-s-OFDM 64 QAM	2531.01	Outer_Full	65.18	69.38	/	Pass
	2592.99	Outer_Full	64.82	69.47	/	Pass
	2655	Outer_Full	64.73	69.57	/	Pass
DFT-s-OFDM 256 QAM	2531.01	Outer_Full	65.19	69.62	/	Pass
	2592.99	Outer_Full	64.85	69.58	/	Pass
	2655	Outer_Full	64.77	69.52	/	Pass
CP-OFDM QPSK	2531.01	Outer_Full	68.47	75.81	/	Pass
	2592.99	Outer_Full	68.10	74.47	/	Pass
	2655	Outer_Full	67.86	74.60	/	Pass
CP-OFDM 16 QAM	2531.01	Outer_Full	68.39	73.18	/	Pass
	2592.99	Outer_Full	68.06	75.92	/	Pass
	2655	Outer_Full	68.07	78.57	/	Pass
CP-OFDM 64 QAM	2531.01	Outer_Full	68.48	78.58	/	Pass
	2592.99	Outer_Full	68.23	76.18	/	Pass
	2655	Outer_Full	68.18	75.25	/	Pass
CP-OFDM 256 QAM	2531.01	Outer_Full	68.27	72.92	/	Pass
	2592.99	Outer_Full	68.10	72.65	/	Pass
	2655	Outer_Full	67.80	72.71	/	Pass

3.1.9 30k_SISO_80MHz_NTNV

5G NR n41 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	2536.02	Outer_Full	78.09	83.11	/	Pass
	2592.99	Outer_Full	77.82	82.60	/	Pass
	2649.99	Outer_Full	77.76	83.05	/	Pass
DFT-s-OFDM QPSK	2536.02	Outer_Full	77.69	83.17	/	Pass
	2592.99	Outer_Full	77.51	83.01	/	Pass
	2649.99	Outer_Full	77.39	82.90	/	Pass
DFT-s-OFDM 16 QAM	2536.02	Outer_Full	78.01	82.90	/	Pass
	2592.99	Outer_Full	77.60	83.15	/	Pass
	2649.99	Outer_Full	77.83	83.23	/	Pass

DFT-s-OFDM 64 QAM	2536.02	Outer_Full	78.06	83.19	/	Pass
	2592.99	Outer_Full	77.59	83.05	/	Pass
	2649.99	Outer_Full	77.73	83.07	/	Pass
DFT-s-OFDM 256 QAM	2536.02	Outer_Full	78.10	83.06	/	Pass
	2592.99	Outer_Full	77.62	82.92	/	Pass
	2649.99	Outer_Full	77.61	83.16	/	Pass
CP-OFDM QPSK	2536.02	Outer_Full	78.23	83.49	/	Pass
	2592.99	Outer_Full	78.00	83.57	/	Pass
	2649.99	Outer_Full	78.01	83.33	/	Pass
CP-OFDM 16 QAM	2536.02	Outer_Full	78.48	83.63	/	Pass
	2592.99	Outer_Full	78.26	83.80	/	Pass
	2649.99	Outer_Full	77.96	83.31	/	Pass
CP-OFDM 64 QAM	2536.02	Outer_Full	78.33	83.56	/	Pass
	2592.99	Outer_Full	78.17	83.66	/	Pass
	2649.99	Outer_Full	78.21	83.64	/	Pass
CP-OFDM 256 QAM	2536.02	Outer_Full	78.14	83.31	/	Pass
	2592.99	Outer_Full	77.85	83.33	/	Pass
	2649.99	Outer_Full	77.79	83.25	/	Pass

3.1.10 30k_SISO_90MHz_NTNV

5G NR n41 SCS=30kHz SISO 90MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2541	Outer_Full	87.86	93.35	/	Pass
	2592.99	Outer_Full	87.53	93.17	/	Pass
	2644.98	Outer_Full	87.48	93.14	/	Pass
DFT-s-OFDM QPSK	2541	Outer_Full	87.63	93.23	/	Pass
	2592.99	Outer_Full	87.38	93.33	/	Pass
	2644.98	Outer_Full	87.40	93.46	/	Pass
DFT-s-OFDM 16 QAM	2541	Outer_Full	87.59	93.38	/	Pass
	2592.99	Outer_Full	87.25	93.35	/	Pass
	2644.98	Outer_Full	87.08	93.25	/	Pass
DFT-s-OFDM 64 QAM	2541	Outer_Full	87.84	93.44	/	Pass
	2592.99	Outer_Full	87.51	93.34	/	Pass
	2644.98	Outer_Full	87.40	93.20	/	Pass
DFT-s-OFDM 256 QAM	2541	Outer_Full	87.42	93.33	/	Pass
	2592.99	Outer_Full	87.28	93.08	/	Pass
	2644.98	Outer_Full	87.01	93.15	/	Pass
CP-OFDM QPSK	2541	Outer_Full	88.43	94.12	/	Pass
	2592.99	Outer_Full	87.97	93.94	/	Pass
	2644.98	Outer_Full	88.04	93.95	/	Pass
CP-OFDM 16 QAM	2541	Outer_Full	88.18	93.98	/	Pass
	2592.99	Outer_Full	88.00	94.27	/	Pass
	2644.98	Outer_Full	88.16	94.06	/	Pass
CP-OFDM 64 QAM	2541	Outer_Full	88.44	93.89	/	Pass
	2592.99	Outer_Full	88.11	94.25	/	Pass
	2644.98	Outer_Full	88.19	94.21	/	Pass
CP-OFDM 256 QAM	2541	Outer_Full	88.24	94.07	/	Pass
	2592.99	Outer_Full	87.89	93.99	/	Pass
	2644.98	Outer_Full	88.01	94.42	/	Pass

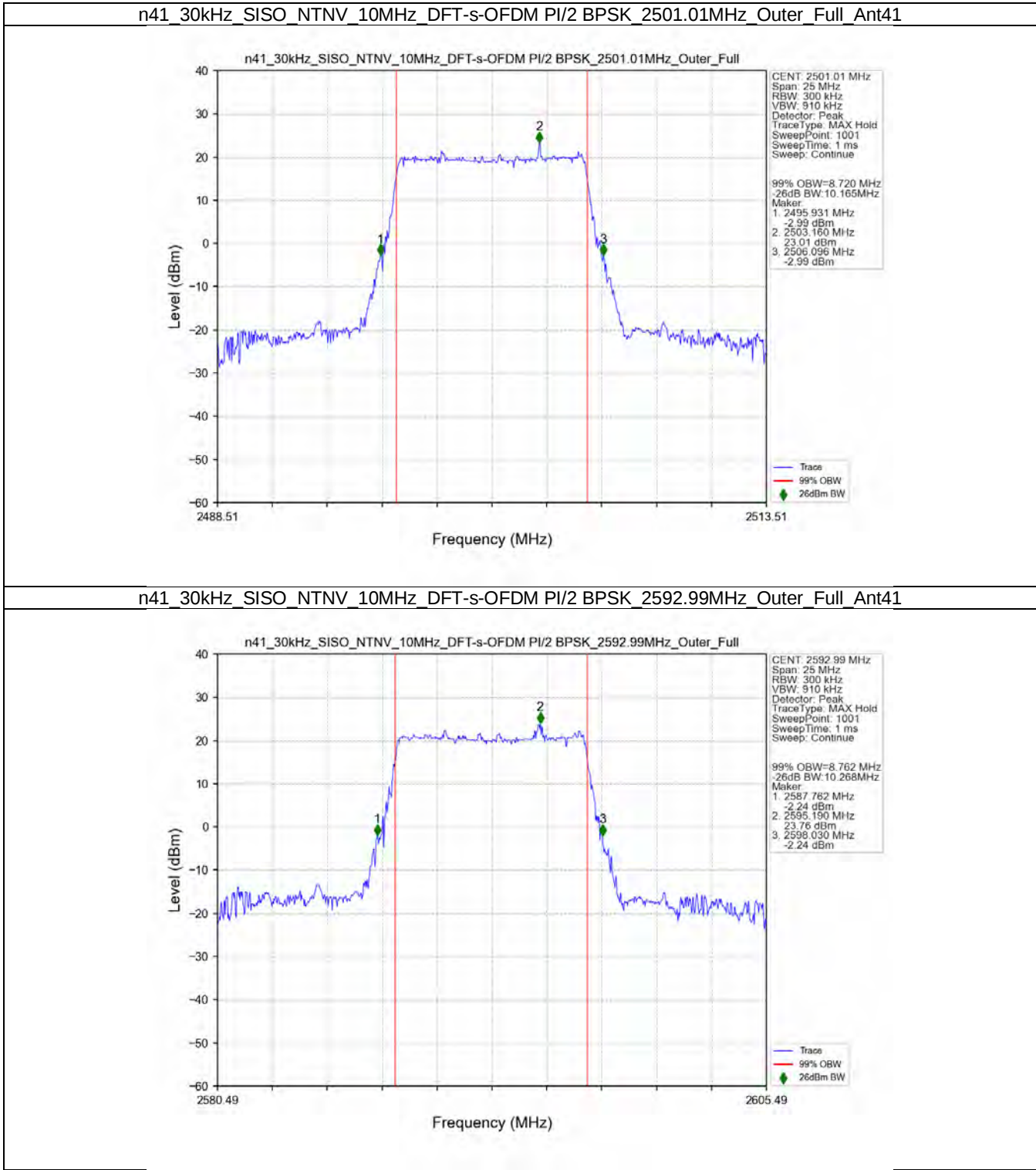
3.1.11 30k_SISO_100MHz_NTNV

5G NR n41 SCS=30kHz SISO 100MHz NTNV						
Modulation	Frequency	RB	99% Bandwidth	26dB Bandwidth	Limit	Verdict

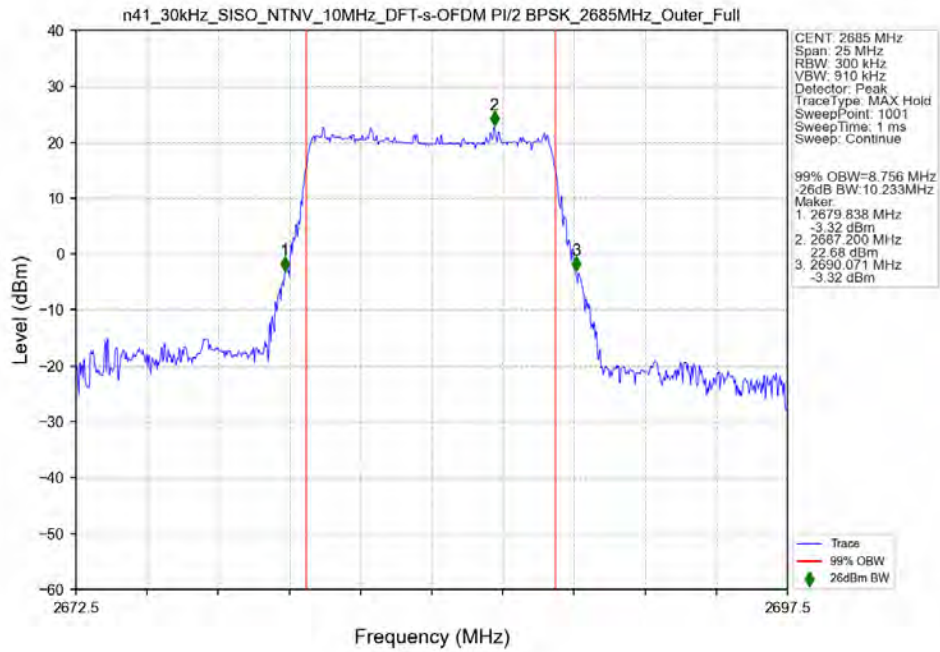
	(MHz)	Allocation	(MHz)	(MHz)	(MHz)	
DFT-s-OFDM PI/2 BPSK	2546.01	Outer_Full	97.48	103.57	/	Pass
	2592.99	Outer_Full	97.10	103.64	/	Pass
	2640	Outer_Full	97.05	103.68	/	Pass
DFT-s-OFDM QPSK	2546.01	Outer_Full	97.56	103.85	/	Pass
	2592.99	Outer_Full	96.90	103.72	/	Pass
	2640	Outer_Full	97.08	103.72	/	Pass
DFT-s-OFDM 16 QAM	2546.01	Outer_Full	97.51	103.63	/	Pass
	2592.99	Outer_Full	97.14	103.75	/	Pass
	2640	Outer_Full	97.31	103.71	/	Pass
DFT-s-OFDM 64 QAM	2546.01	Outer_Full	97.17	103.90	/	Pass
	2592.99	Outer_Full	96.95	103.80	/	Pass
	2640	Outer_Full	97.14	103.59	/	Pass
DFT-s-OFDM 256 QAM	2546.01	Outer_Full	97.54	103.69	/	Pass
	2592.99	Outer_Full	97.00	103.48	/	Pass
	2640	Outer_Full	97.07	103.82	/	Pass
CP-OFDM QPSK	2546.01	Outer_Full	98.46	104.92	/	Pass
	2592.99	Outer_Full	98.14	104.86	/	Pass
	2640	Outer_Full	98.25	105.02	/	Pass
CP-OFDM 16 QAM	2546.01	Outer_Full	98.53	104.84	/	Pass
	2592.99	Outer_Full	98.14	105.24	/	Pass
	2640	Outer_Full	98.31	105.11	/	Pass
CP-OFDM 64 QAM	2546.01	Outer_Full	98.10	104.65	/	Pass
	2592.99	Outer_Full	98.04	104.83	/	Pass
	2640	Outer_Full	98.06	105.14	/	Pass
CP-OFDM 256 QAM	2546.01	Outer_Full	98.57	104.82	/	Pass
	2592.99	Outer_Full	97.96	104.86	/	Pass
	2640	Outer_Full	98.13	104.72	/	Pass

3.2 Test Graph

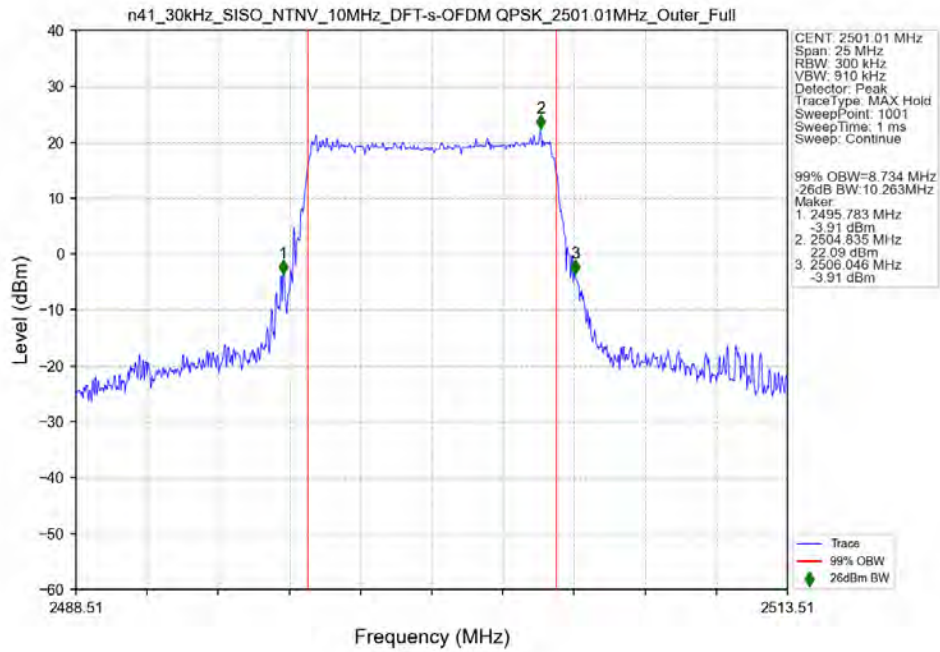
3.2.1 30k_SISO_10MHz_NTNV



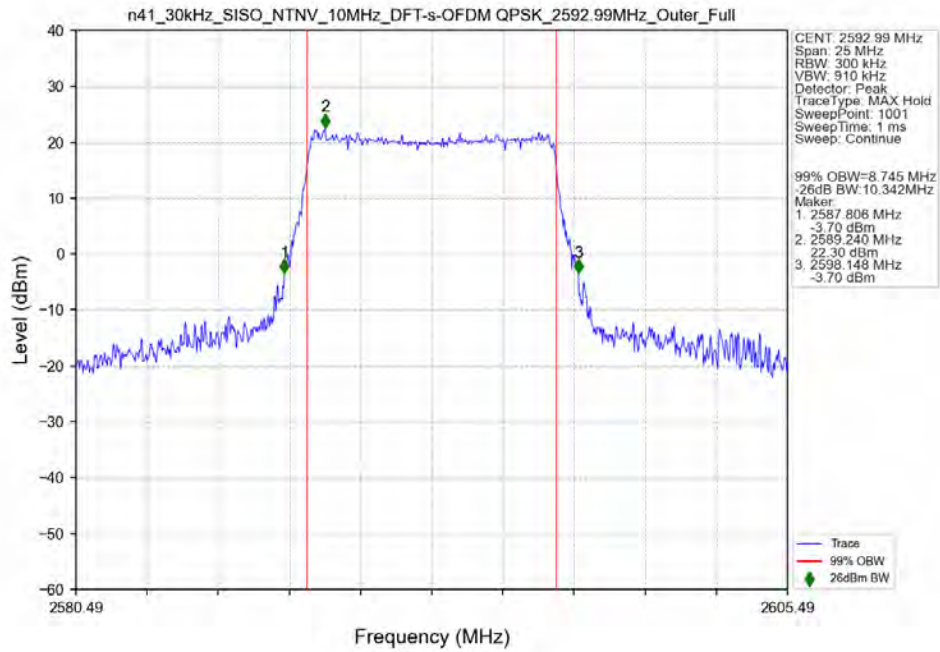
n41_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_PI/2_BPSK_2685MHz_Outer_Full_Ant41



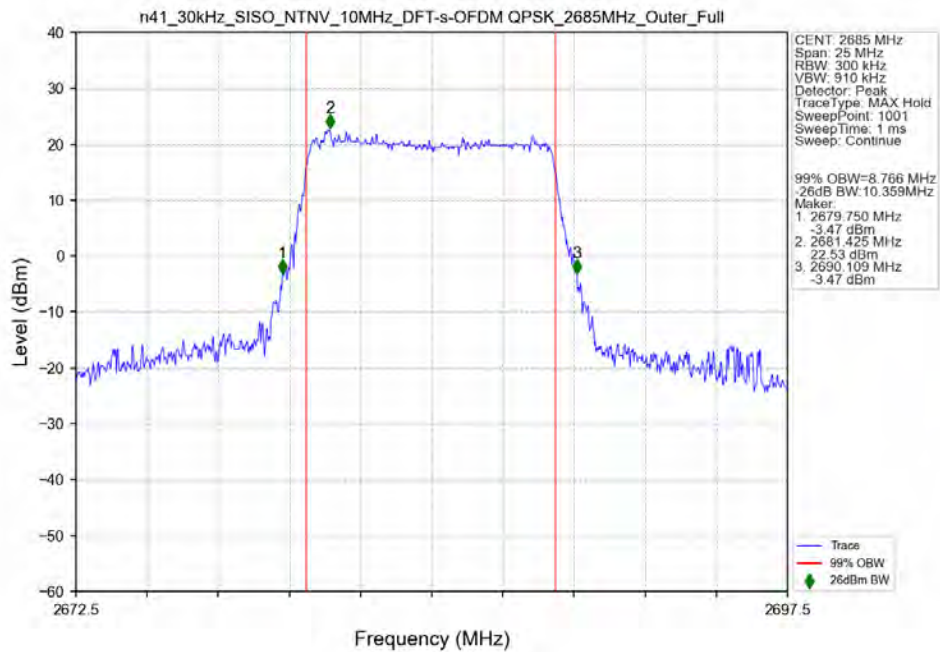
n41_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_2501.01MHz_Outer_Full_Ant41



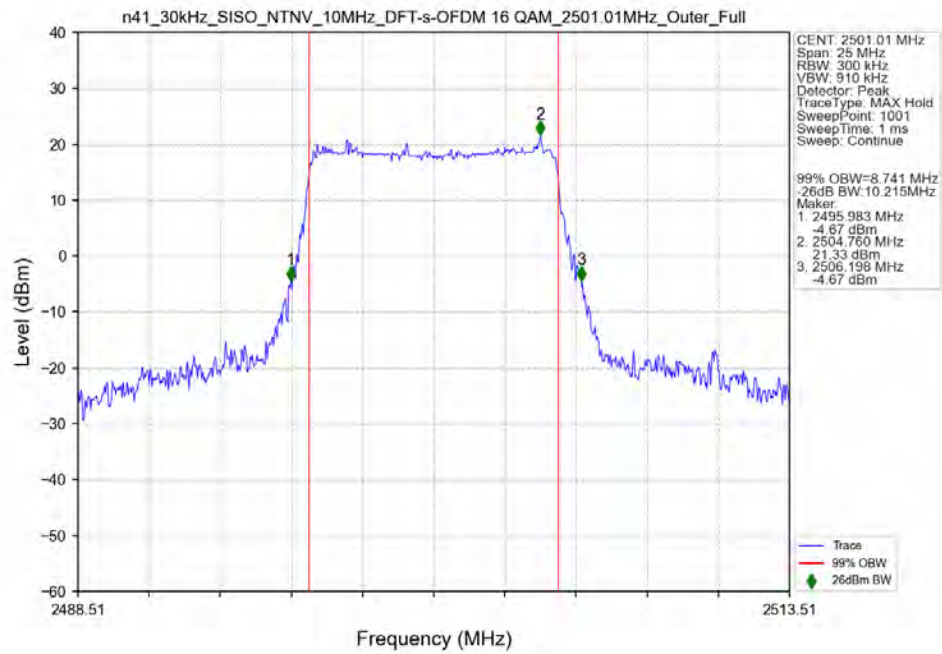
n41_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_2592.99MHz_Outer_Full_Ant41



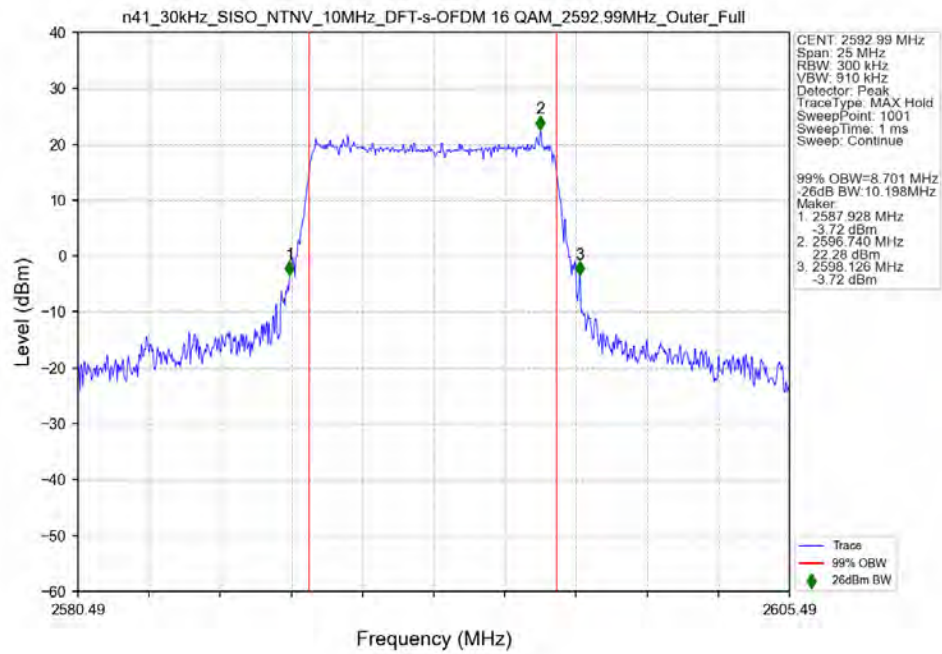
n41_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_2685MHz_Outer_Full_Ant41



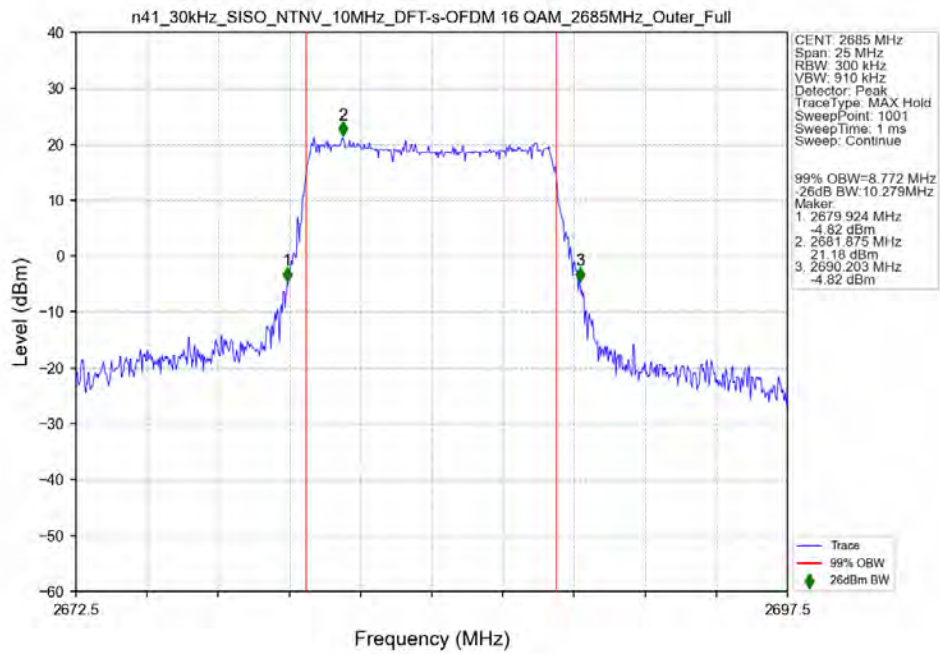
n41_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_2501.01MHz_Outer_Full_Ant41



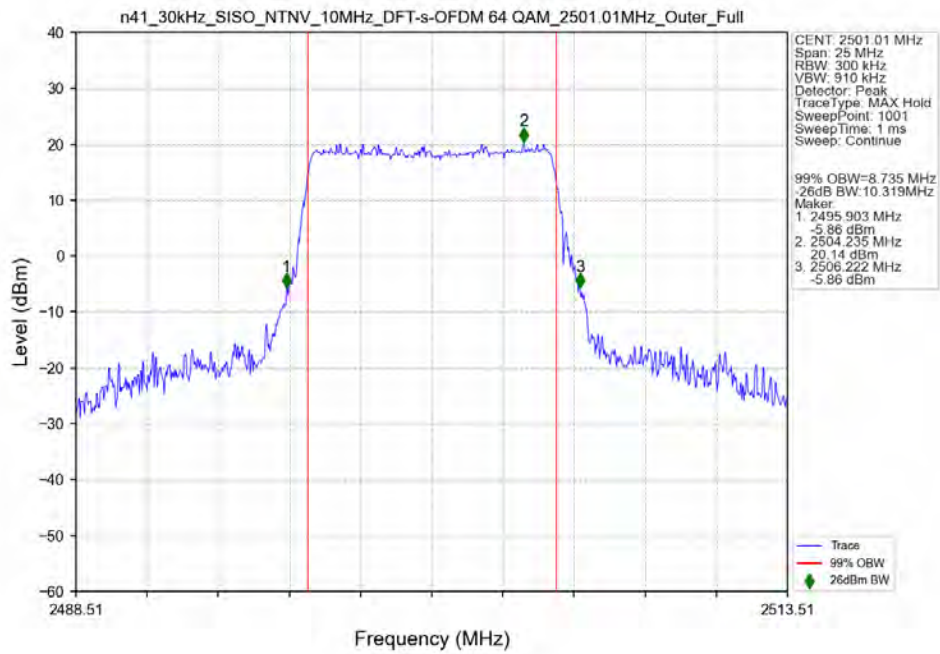
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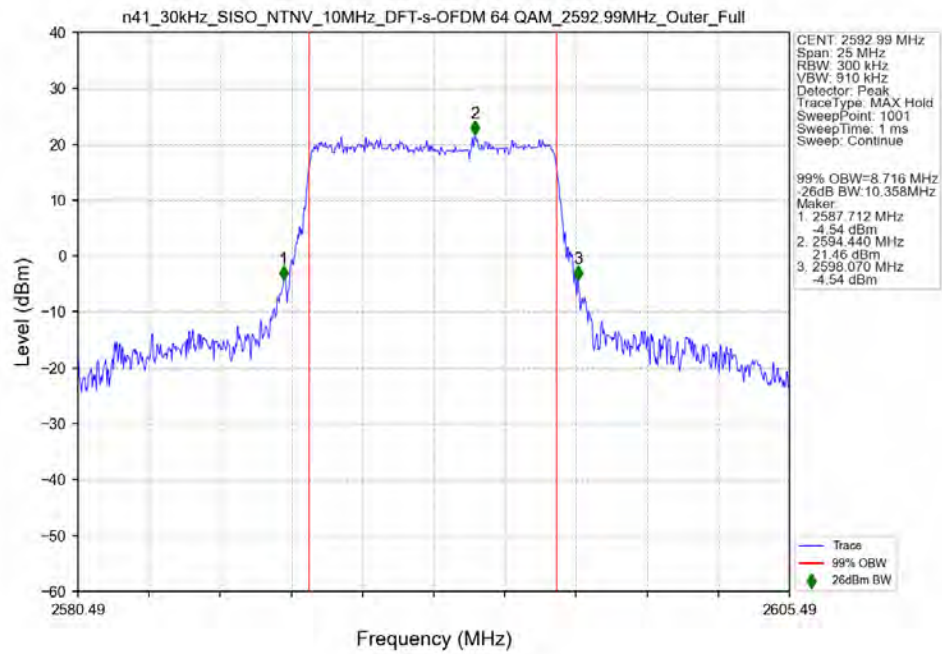
n41_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_16_QAM_2685MHz_Outer_Full_Ant41



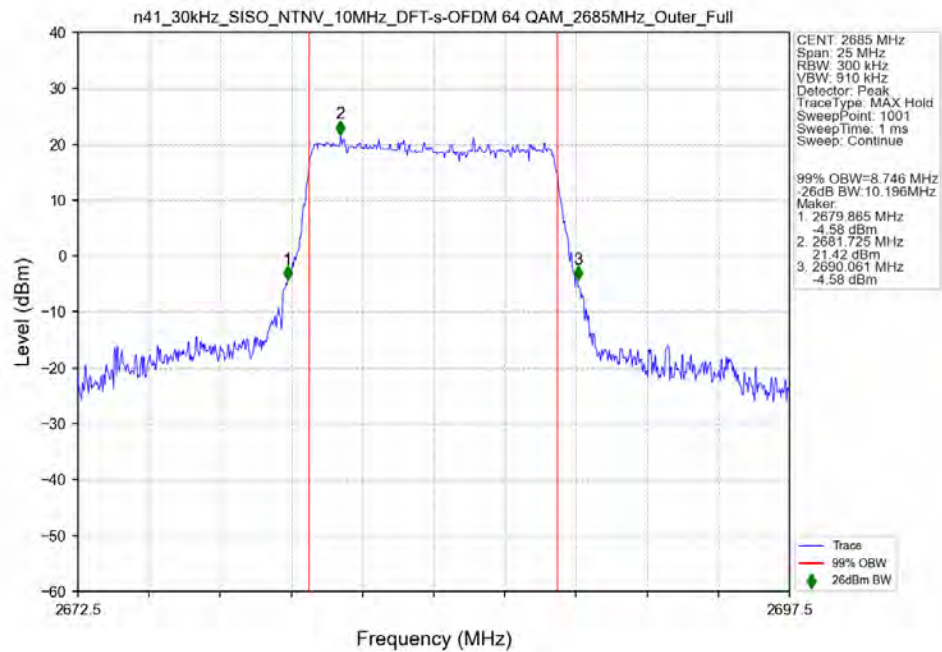
n41_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_2501.01MHz_Outer_Full_Ant41



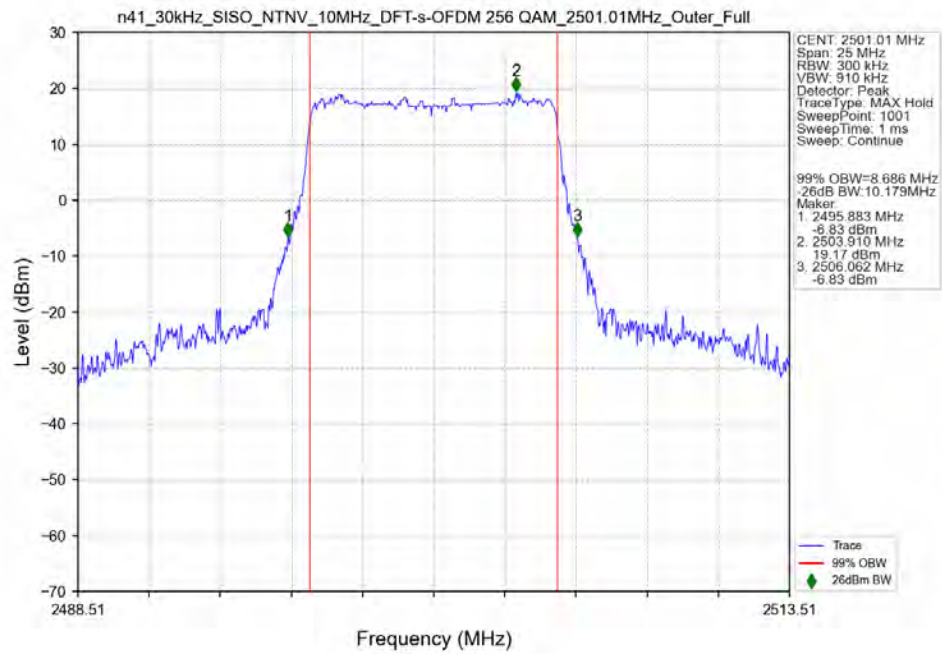
n41_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_2592.99MHz_Outer_Full_Ant41



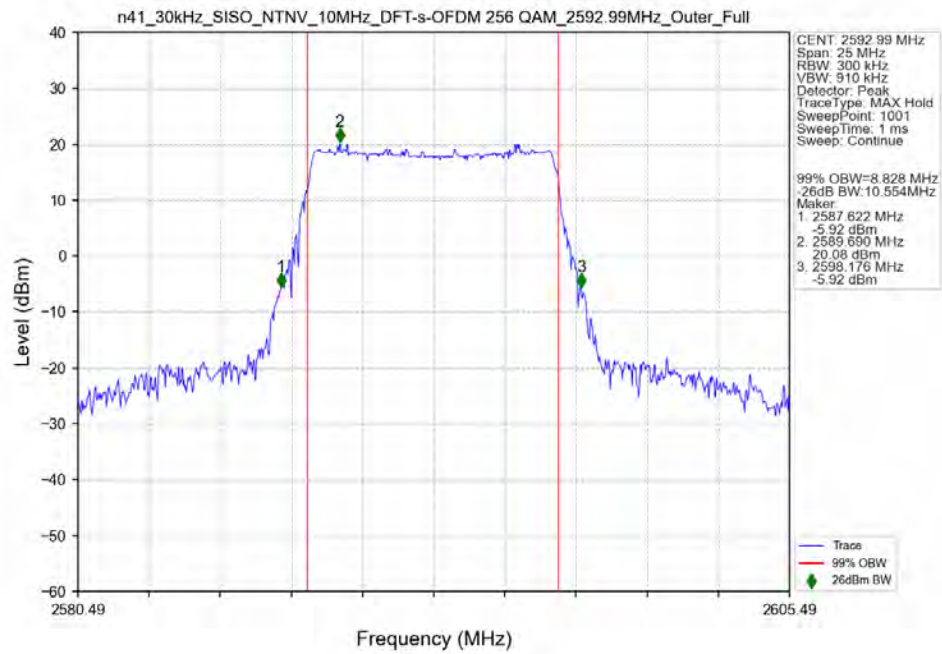
n41_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_64_QAM_2685MHz_Outer_Full_Ant41



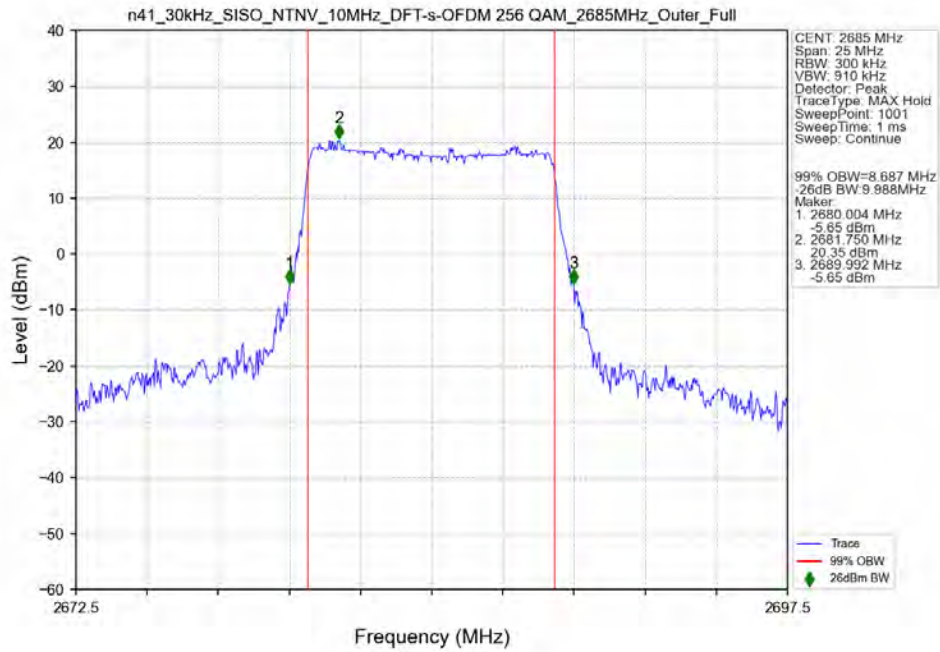
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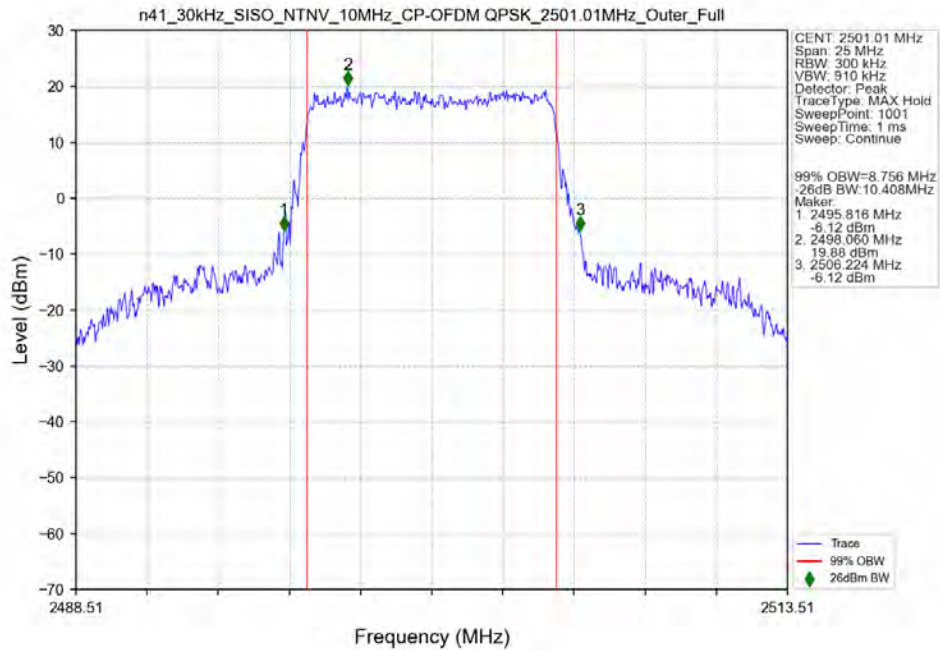
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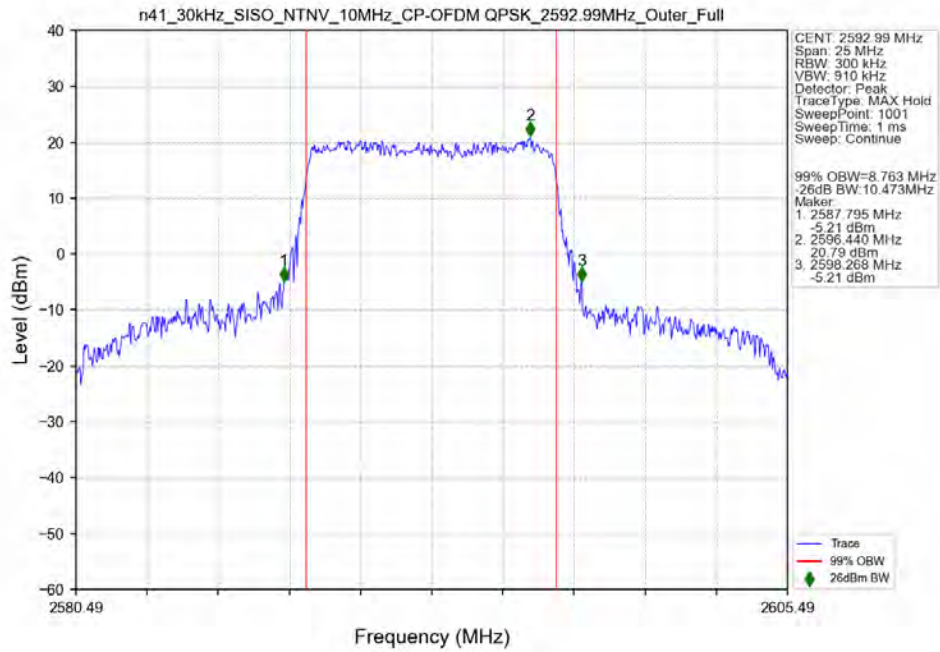
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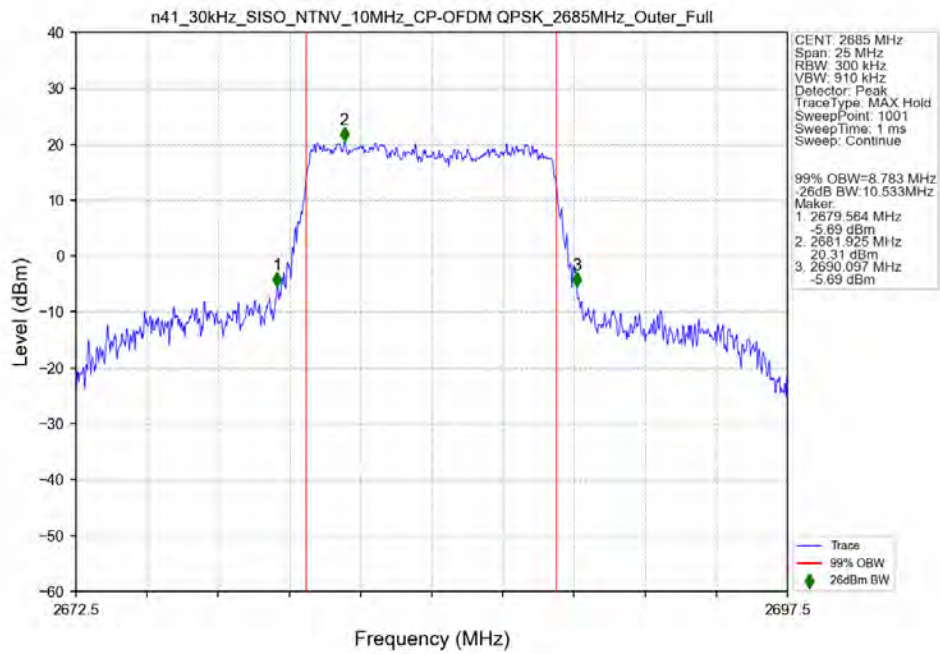
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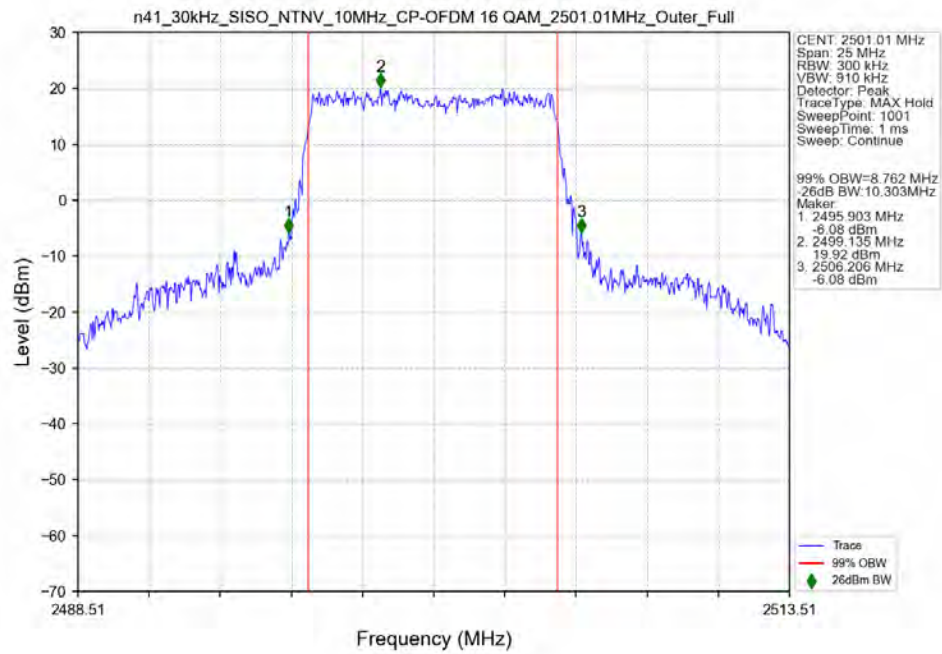
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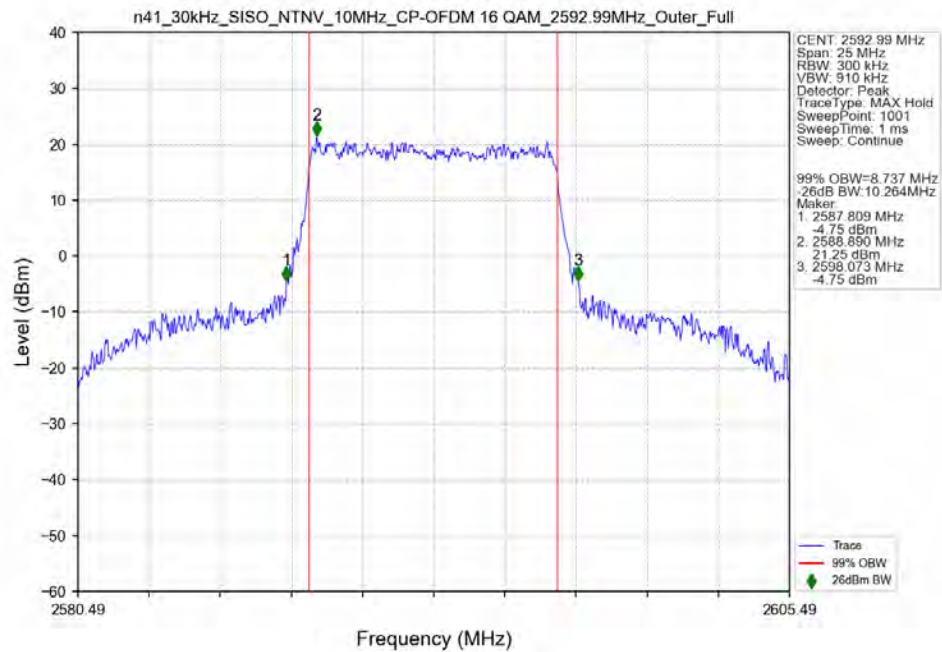
n41_30kHz_SISO_NTNV_10MHz_CP-OFDM_QPSK_2685MHz_Outer_Full_Ant41



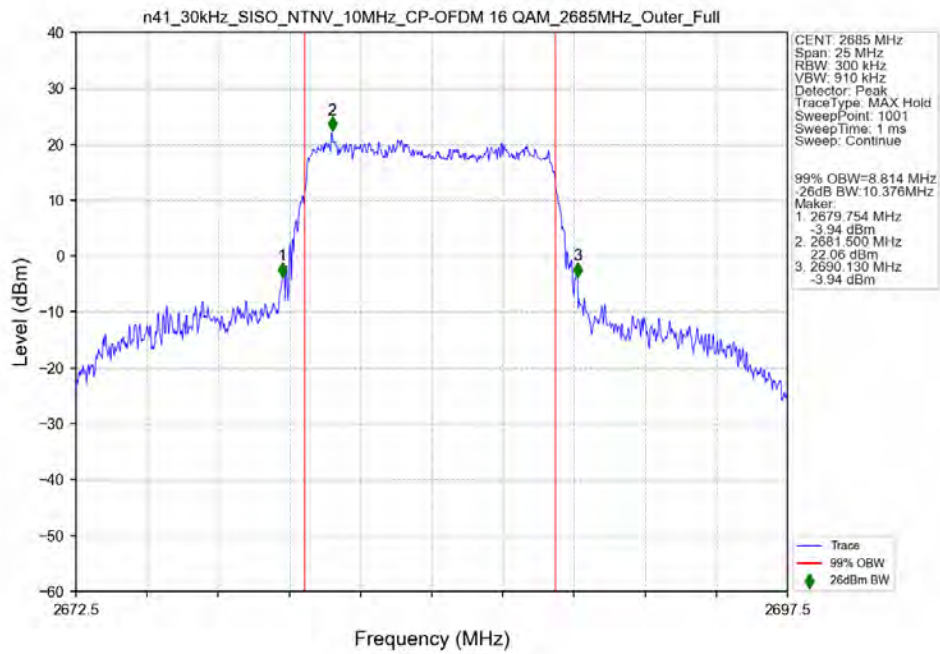
n41_30kHz_SISO_NTNV_10MHz_CP-OFDM_16QAM_2501.01MHz_Outer_Full_Ant41



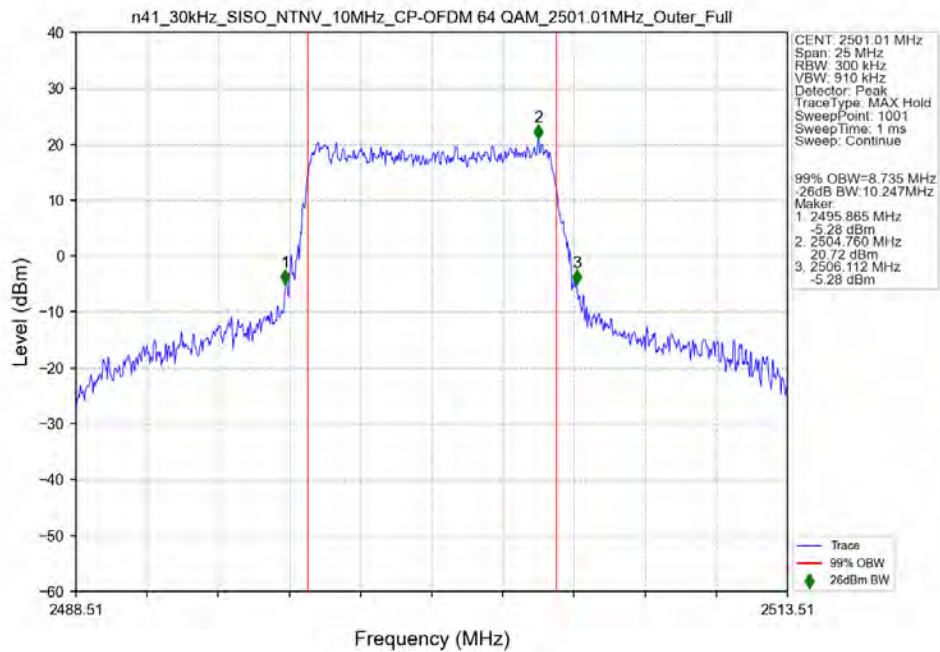
n41_30kHz_SISO_NTNV_10MHz_CP-OFDM_16QAM_2592.99MHz_Outer_Full_Ant41



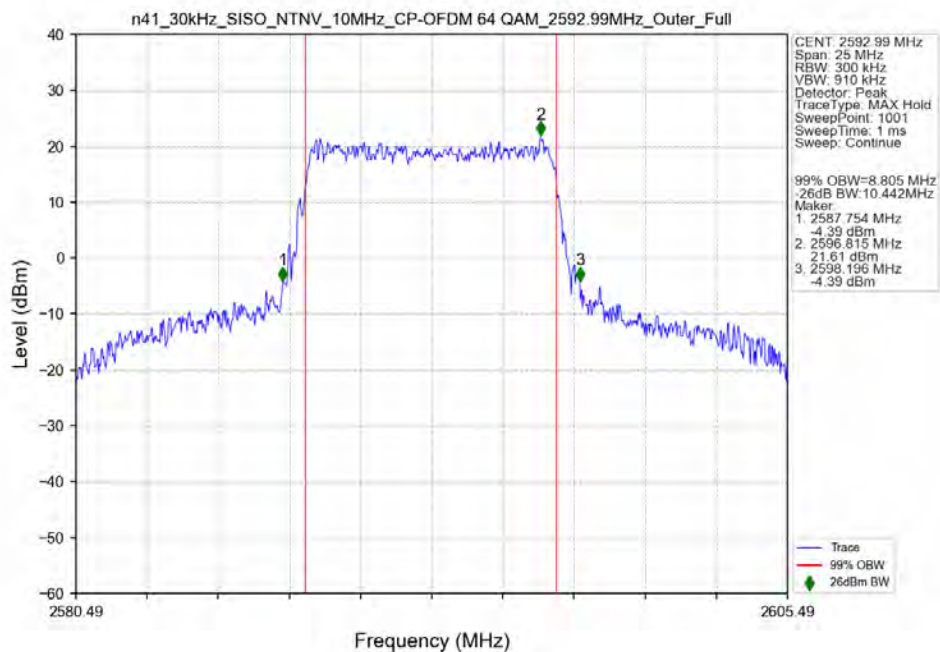
n41_30kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM 2685MHz_Outer_Full_Ant41



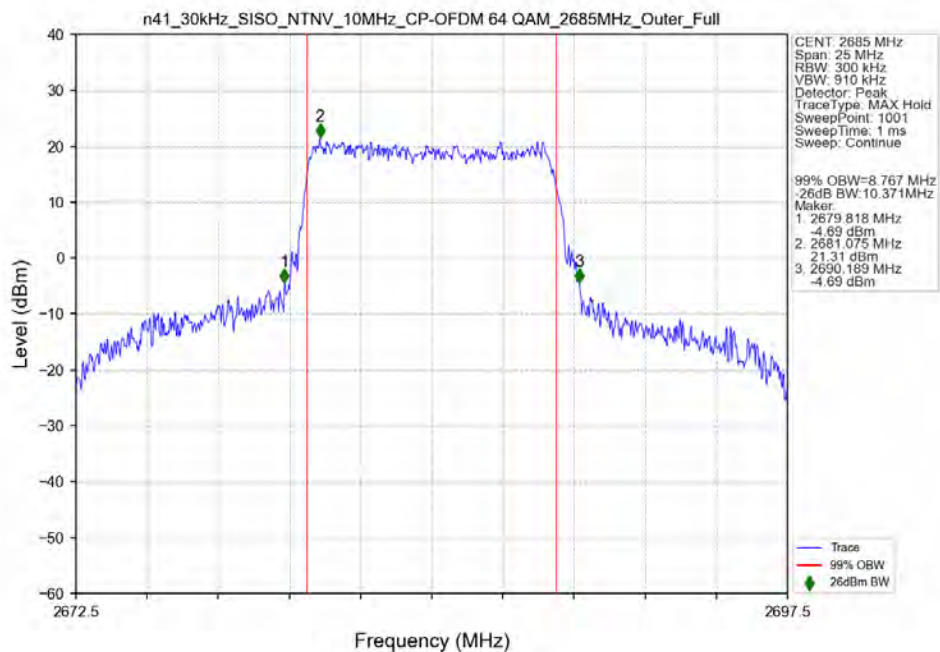
n41_30kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM 2501.01MHz_Outer_Full_Ant41



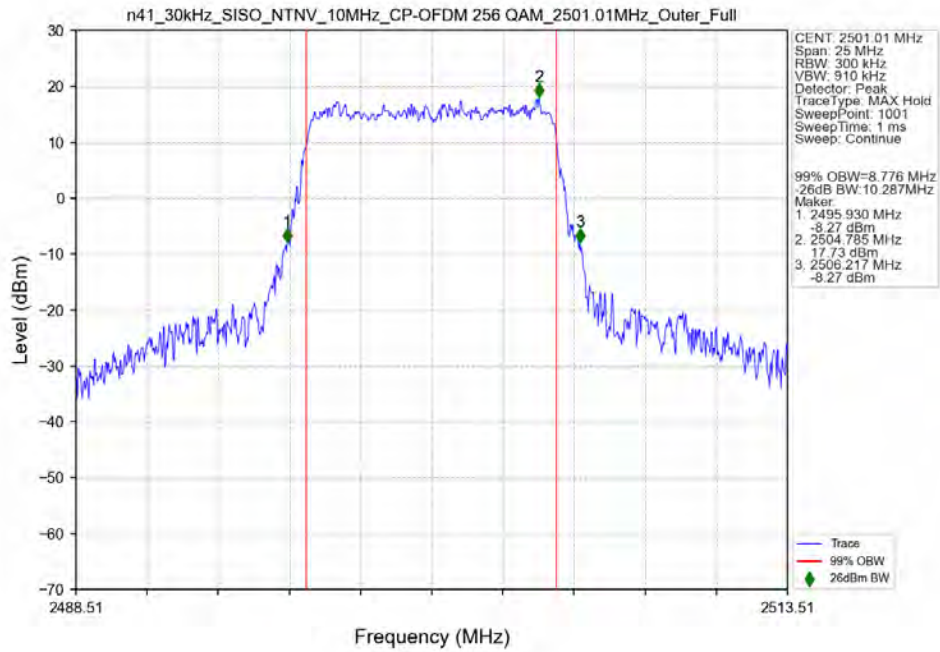
n41_30kHz_SISO_NTNV_10MHz_CP-OFDM_64_QAM_2592.99MHz_Outer_Full_Ant41



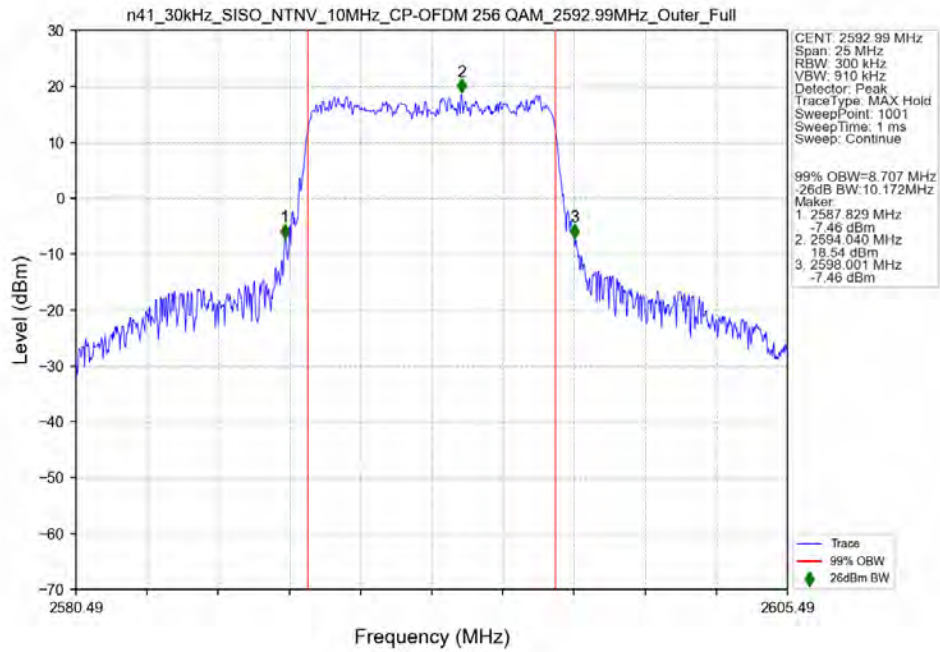
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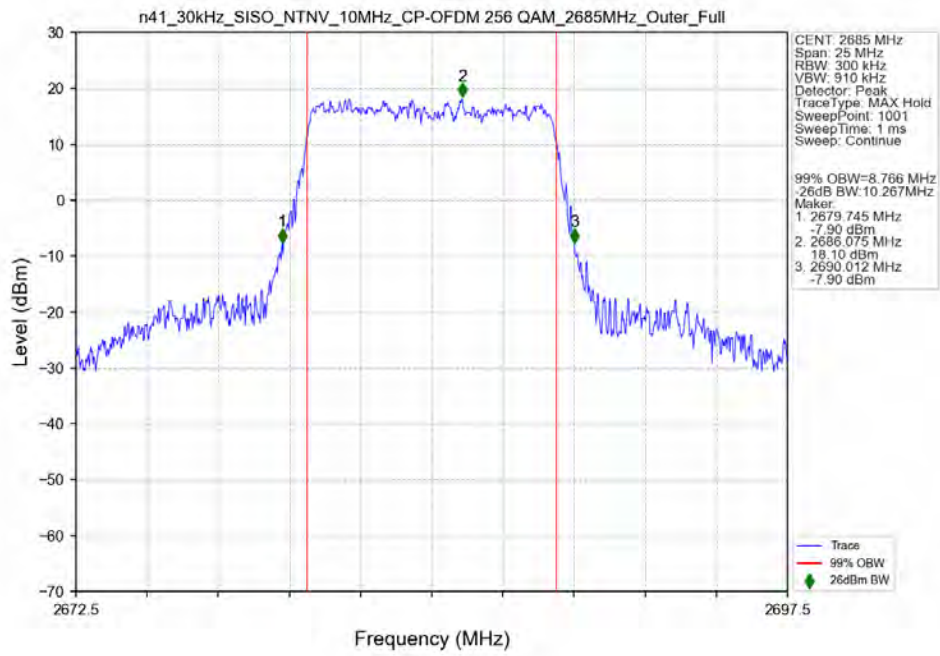
n41_30kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_2501.01MHz_Outer_Full_Ant41



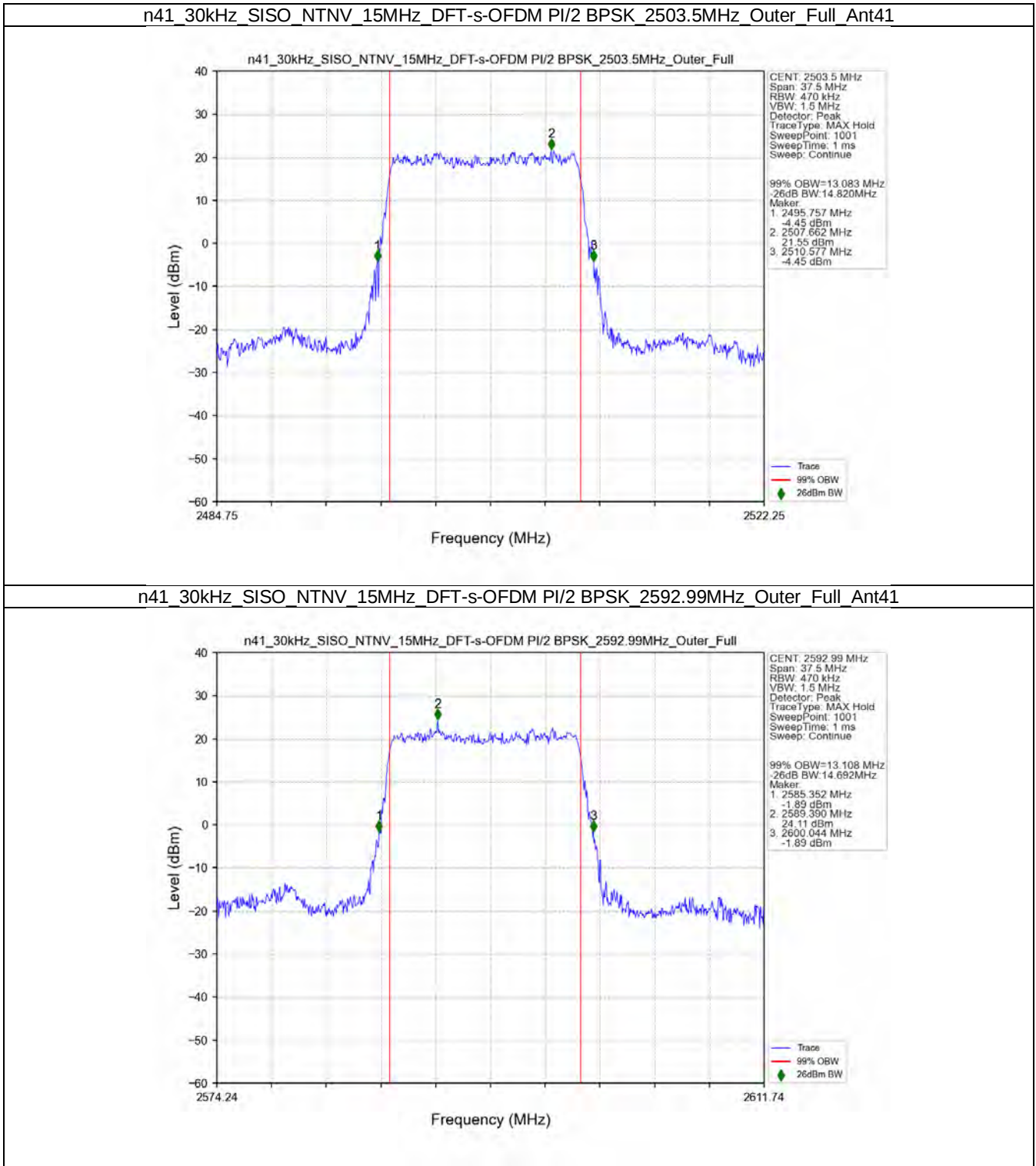
n41_30kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_2592.99MHz_Outer_Full_Ant41



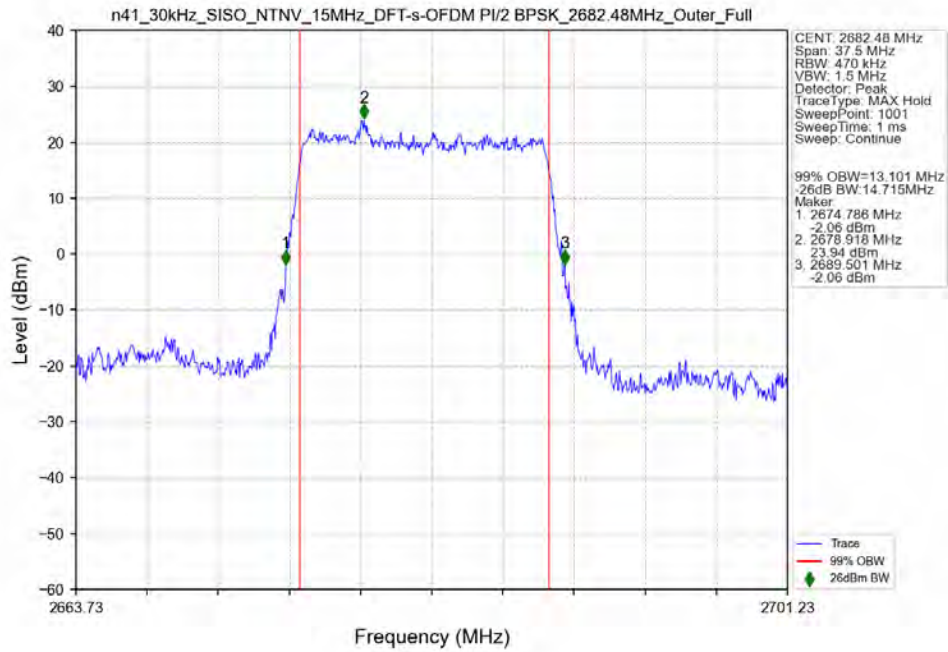
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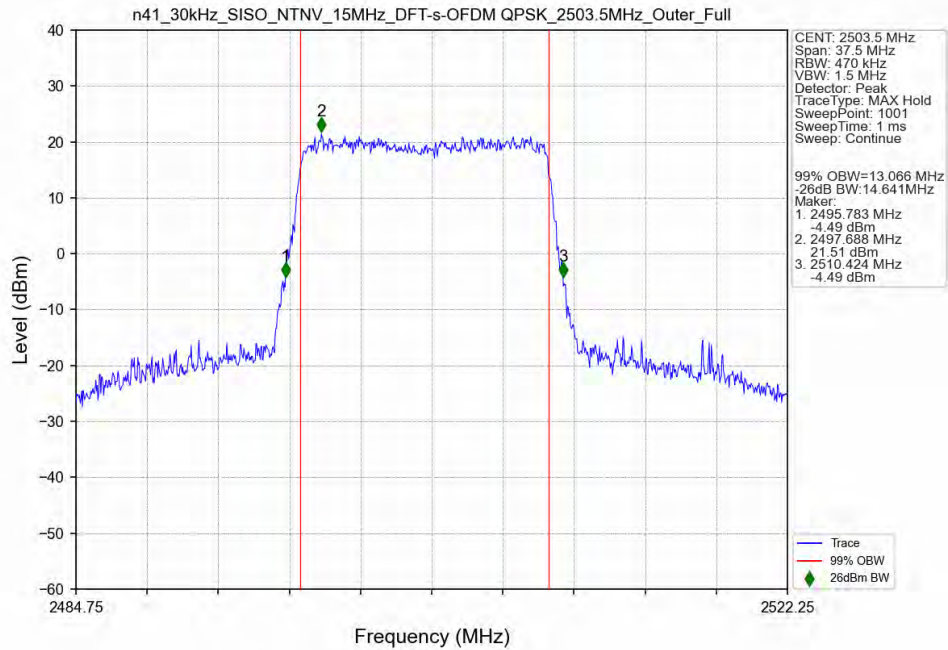
3.2.2 30k_SISO_15MHz_NTNV



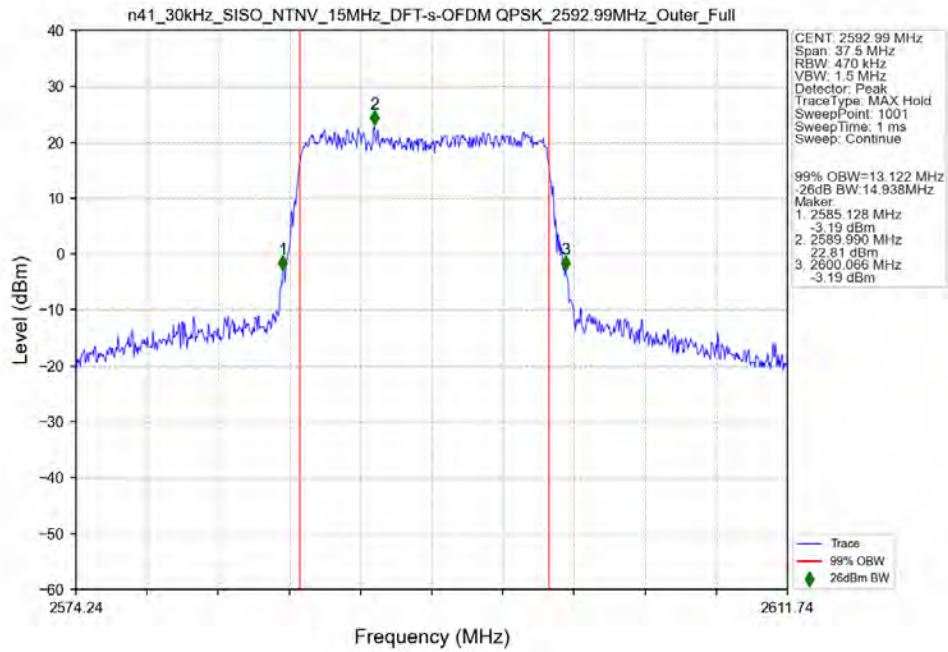
n41_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_PI/2_BPSK_2682.48MHz_Outer_Full_Ant41



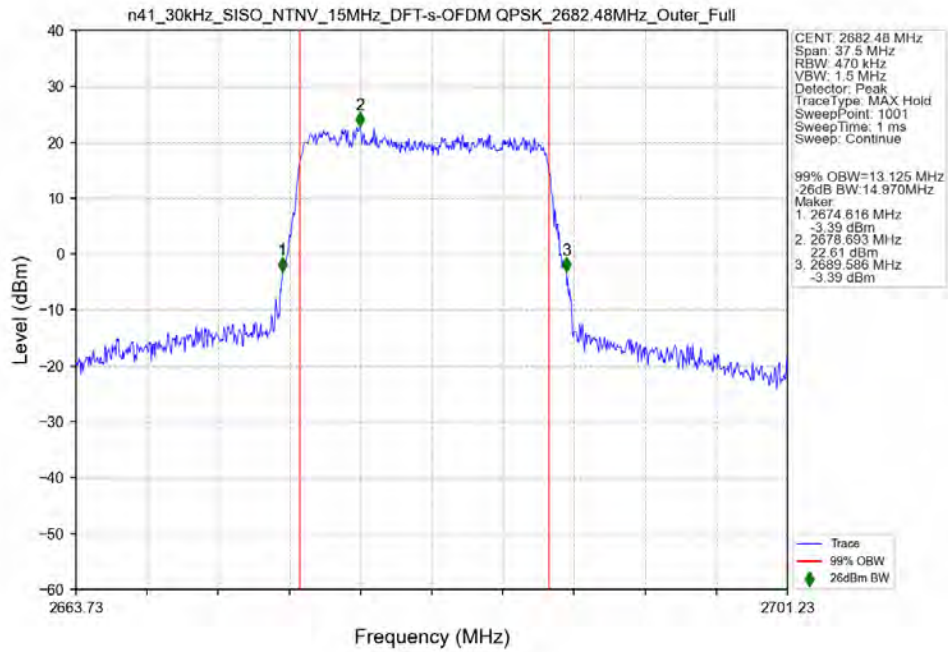
n41_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_QPSK_2503.5MHz_Outer_Full_Ant41



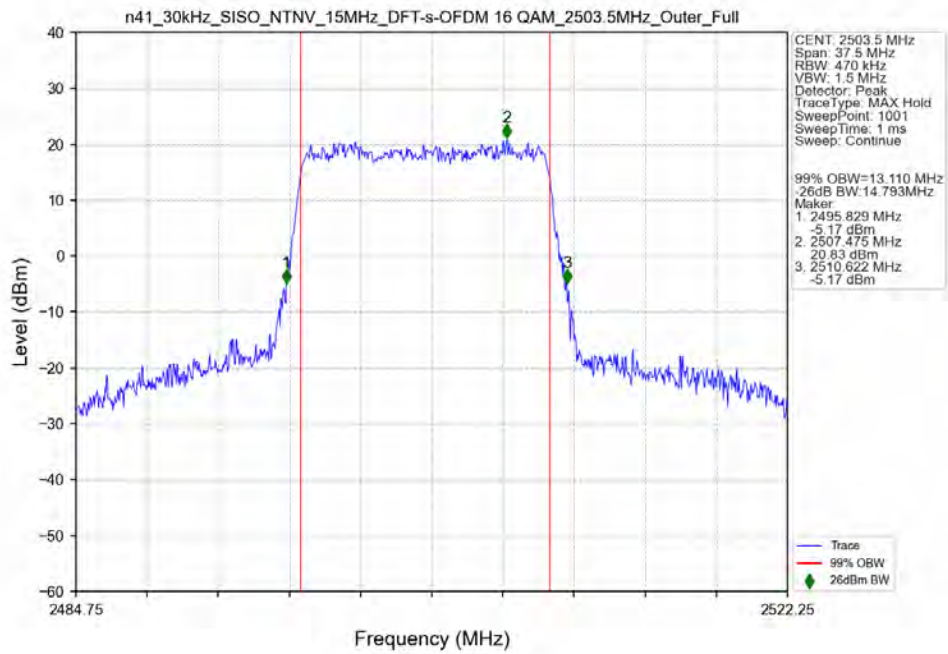
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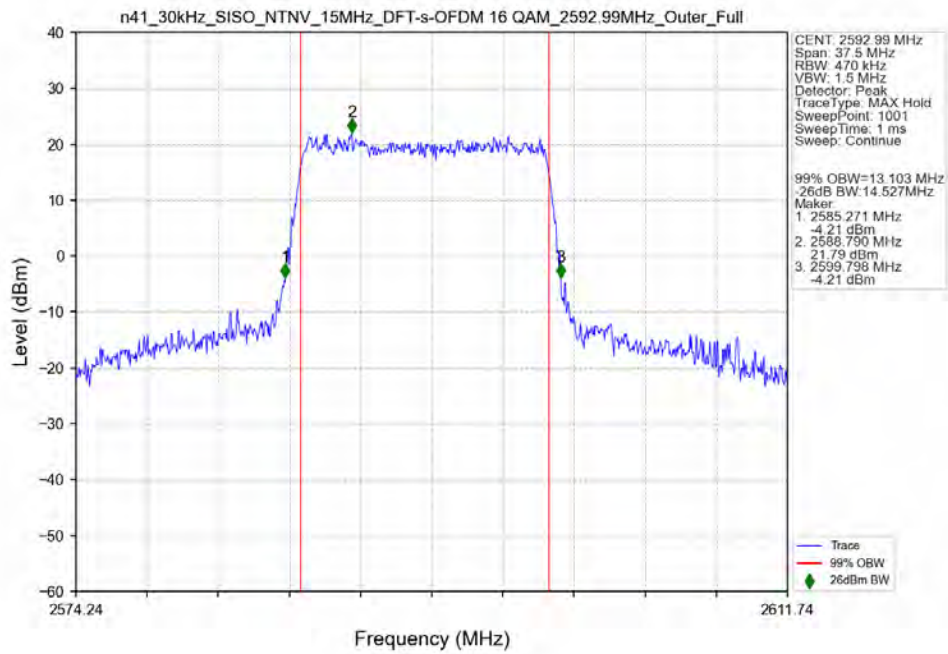
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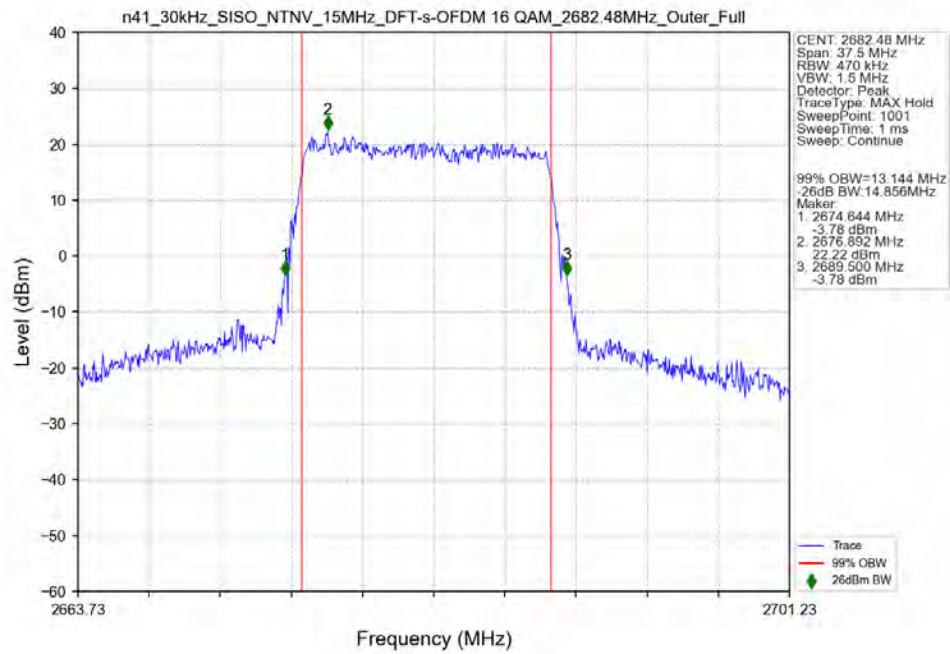
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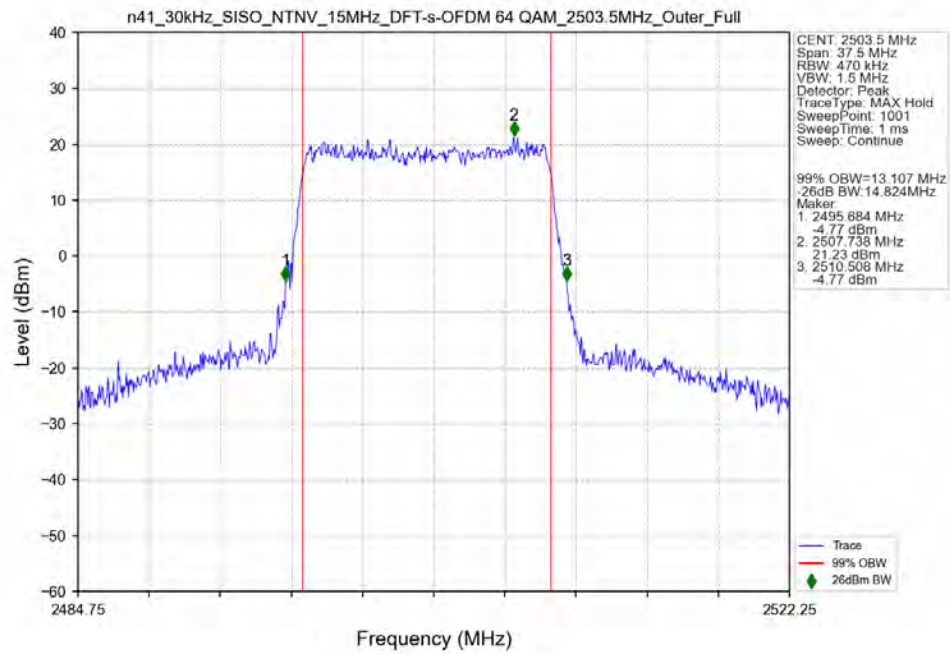
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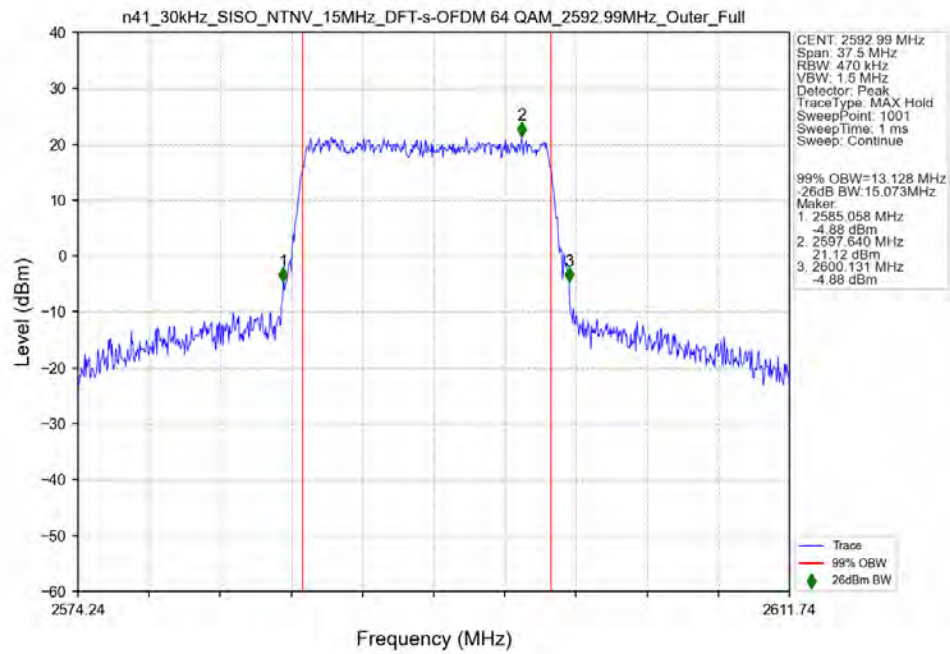
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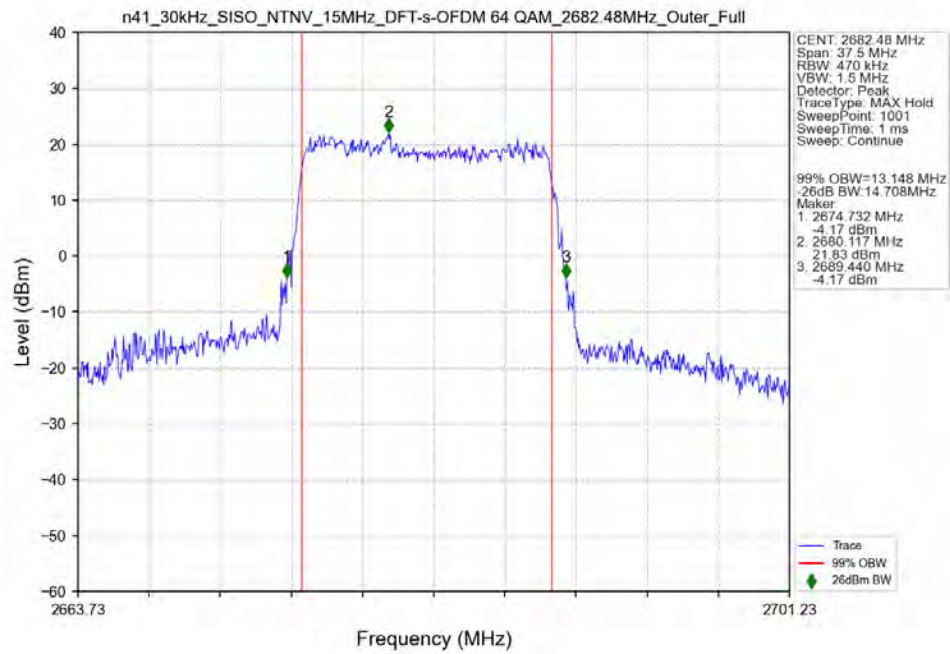
n41_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_64_QAM_2503.5MHz_Outer_Full_Ant41



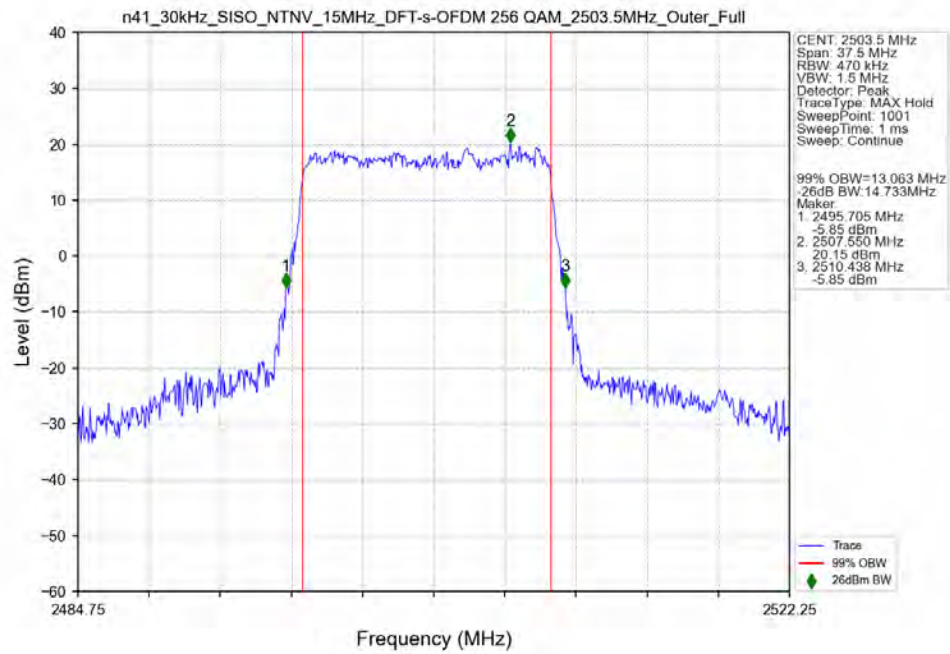
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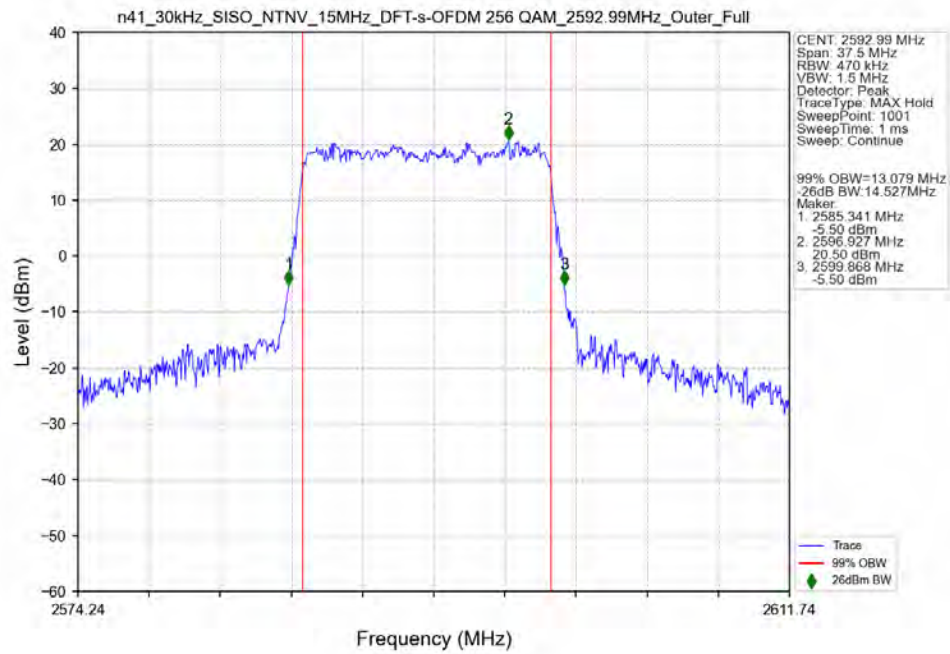
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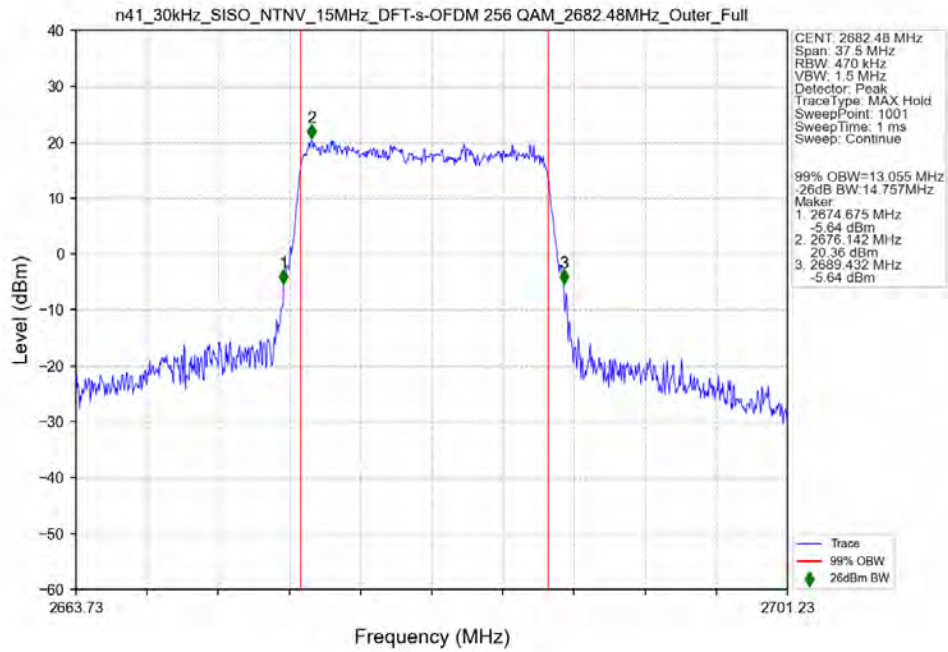
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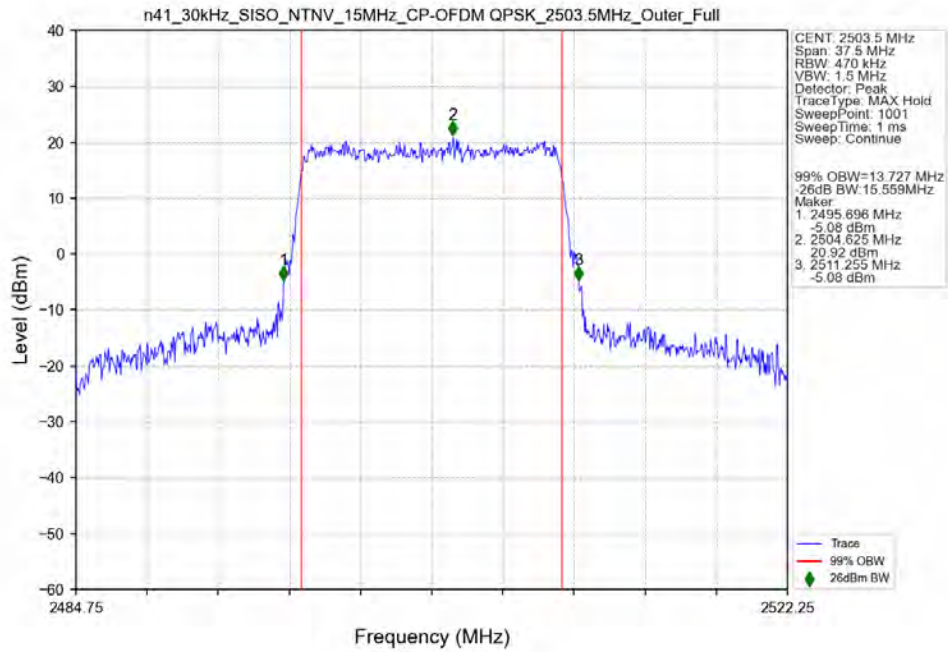
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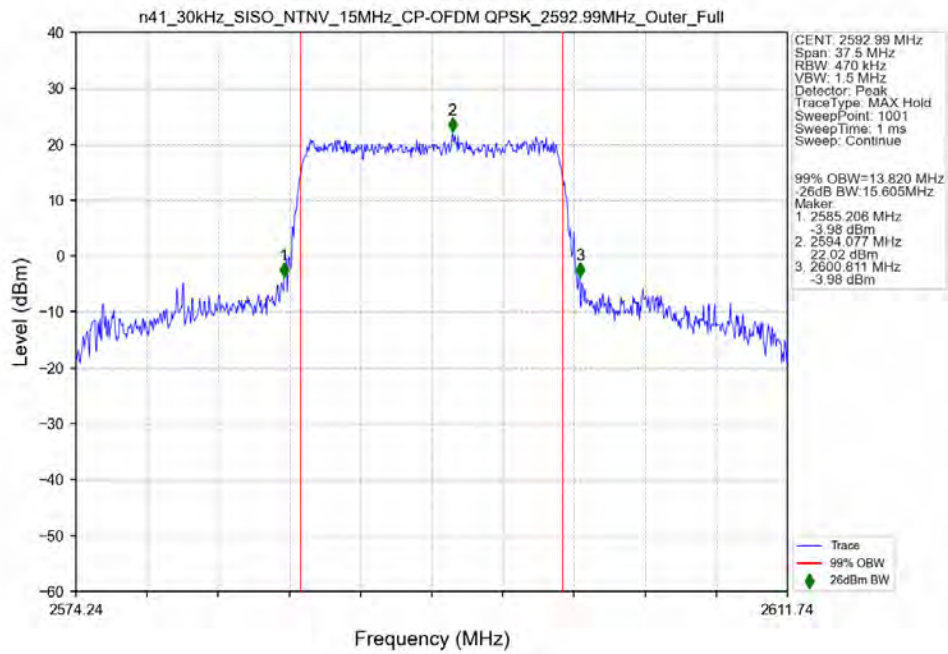
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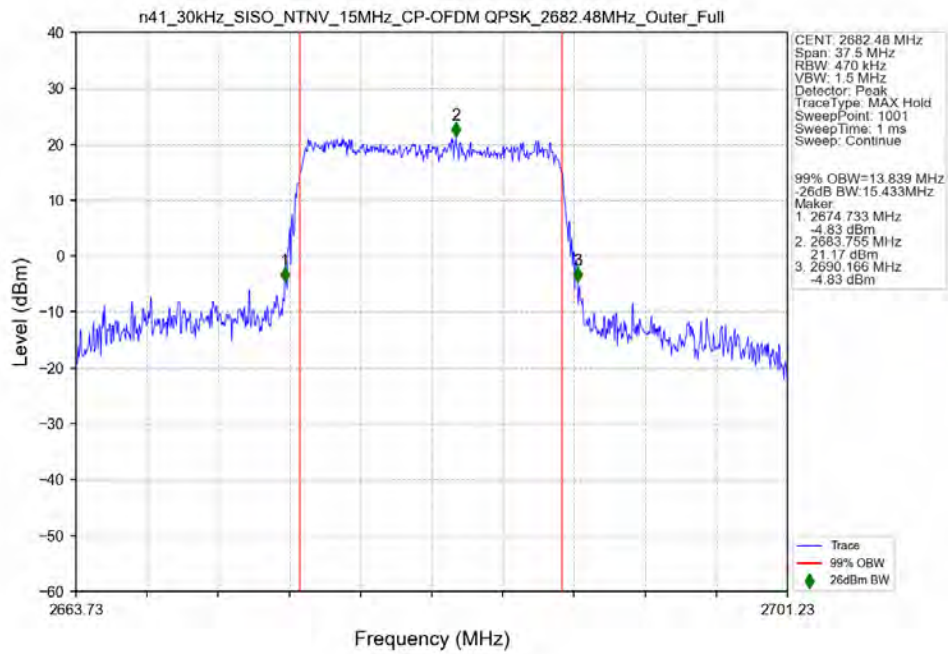
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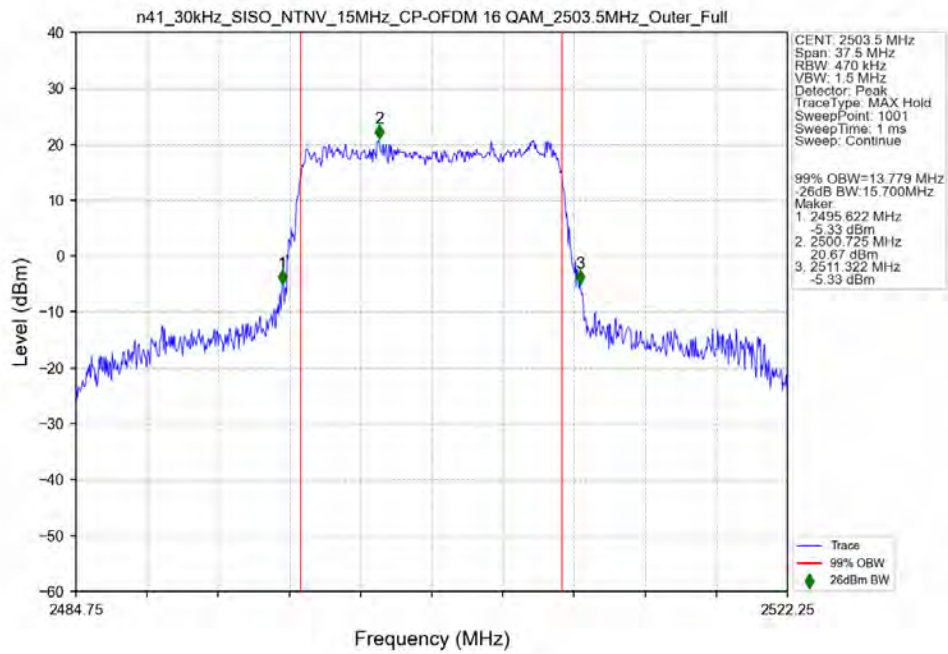
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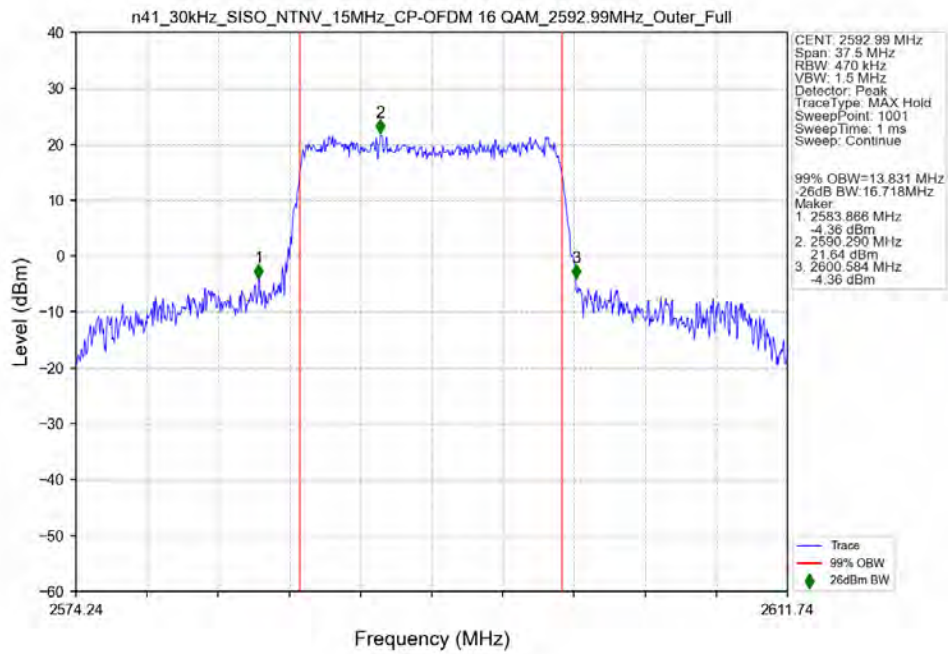
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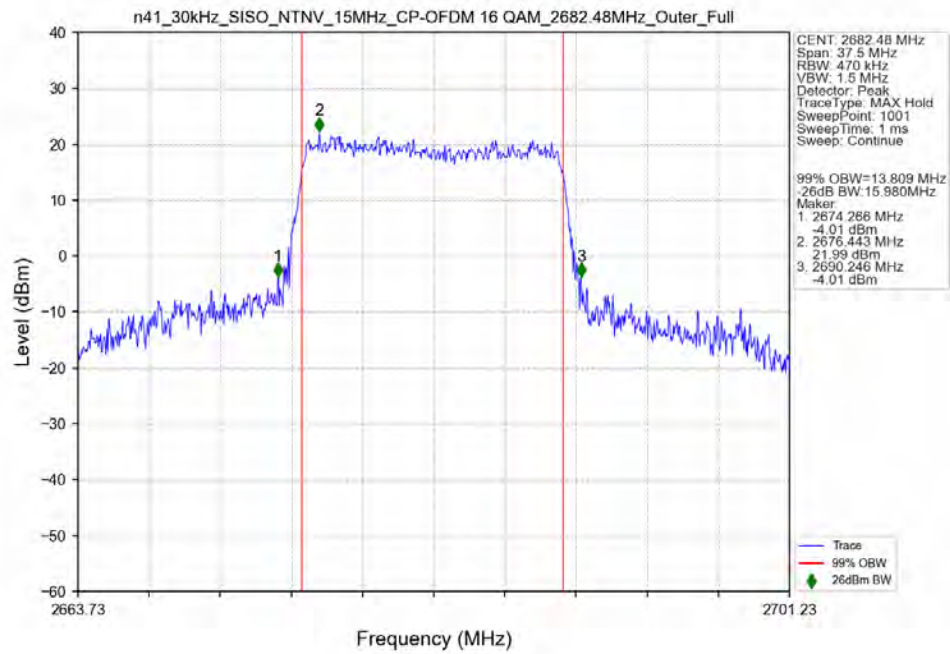
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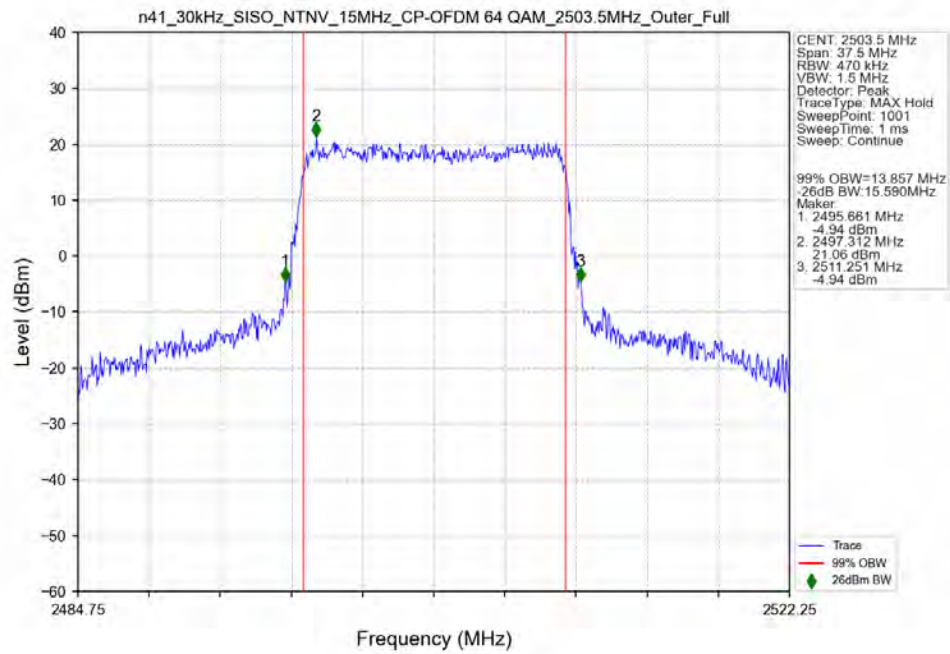
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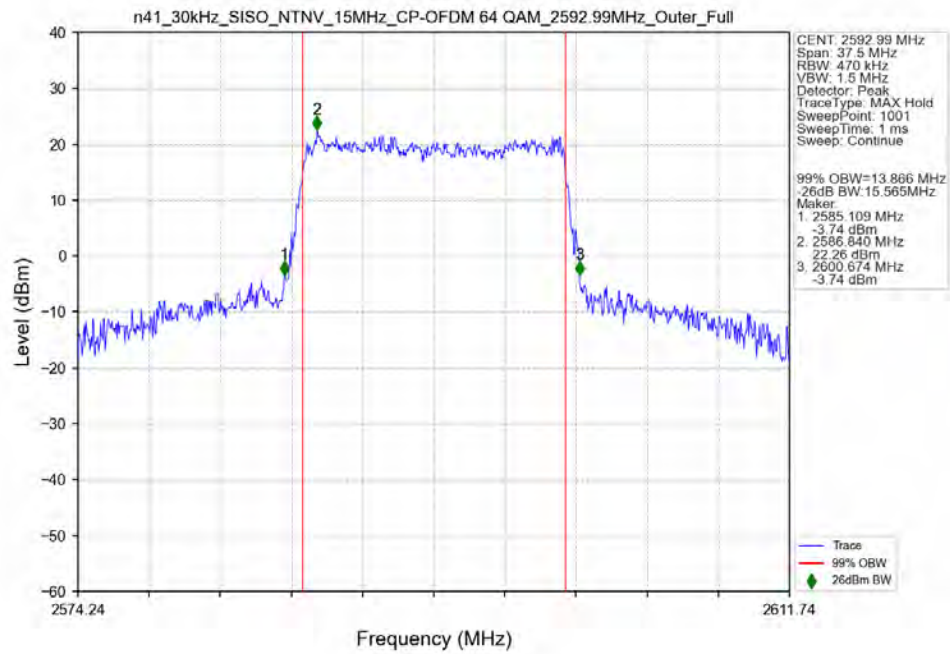
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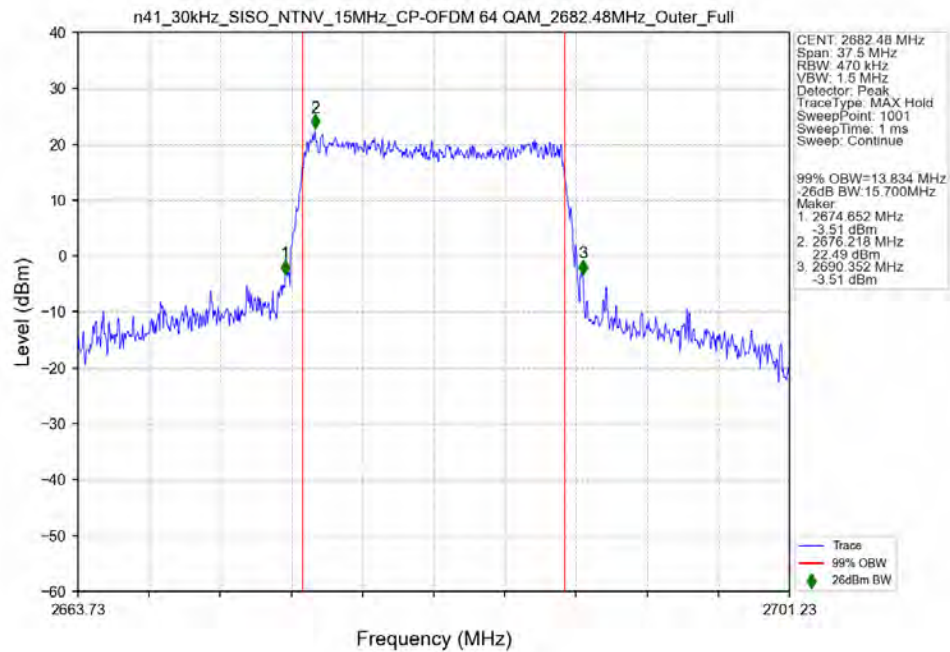
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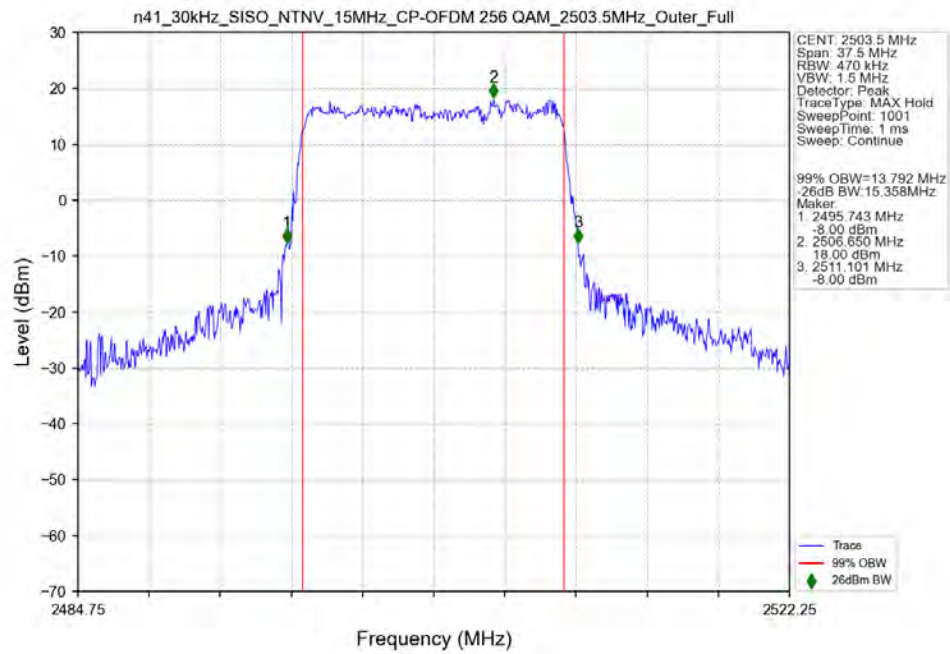
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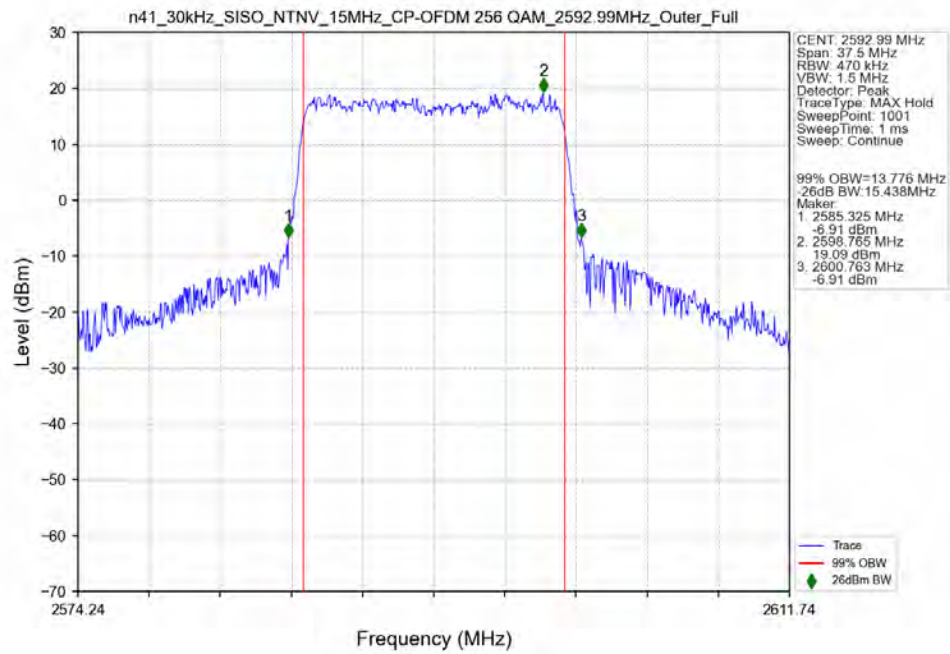
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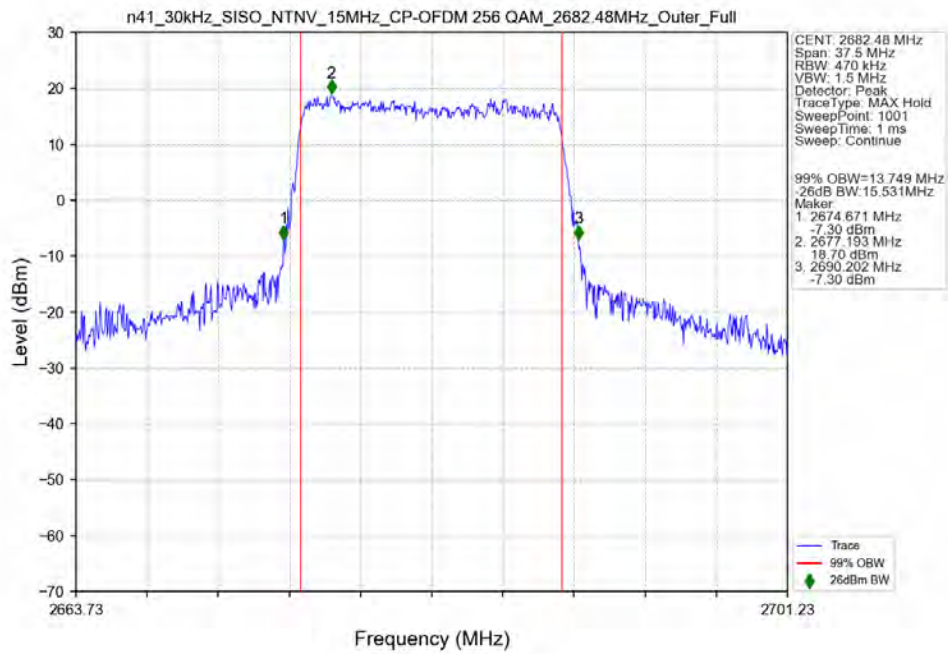
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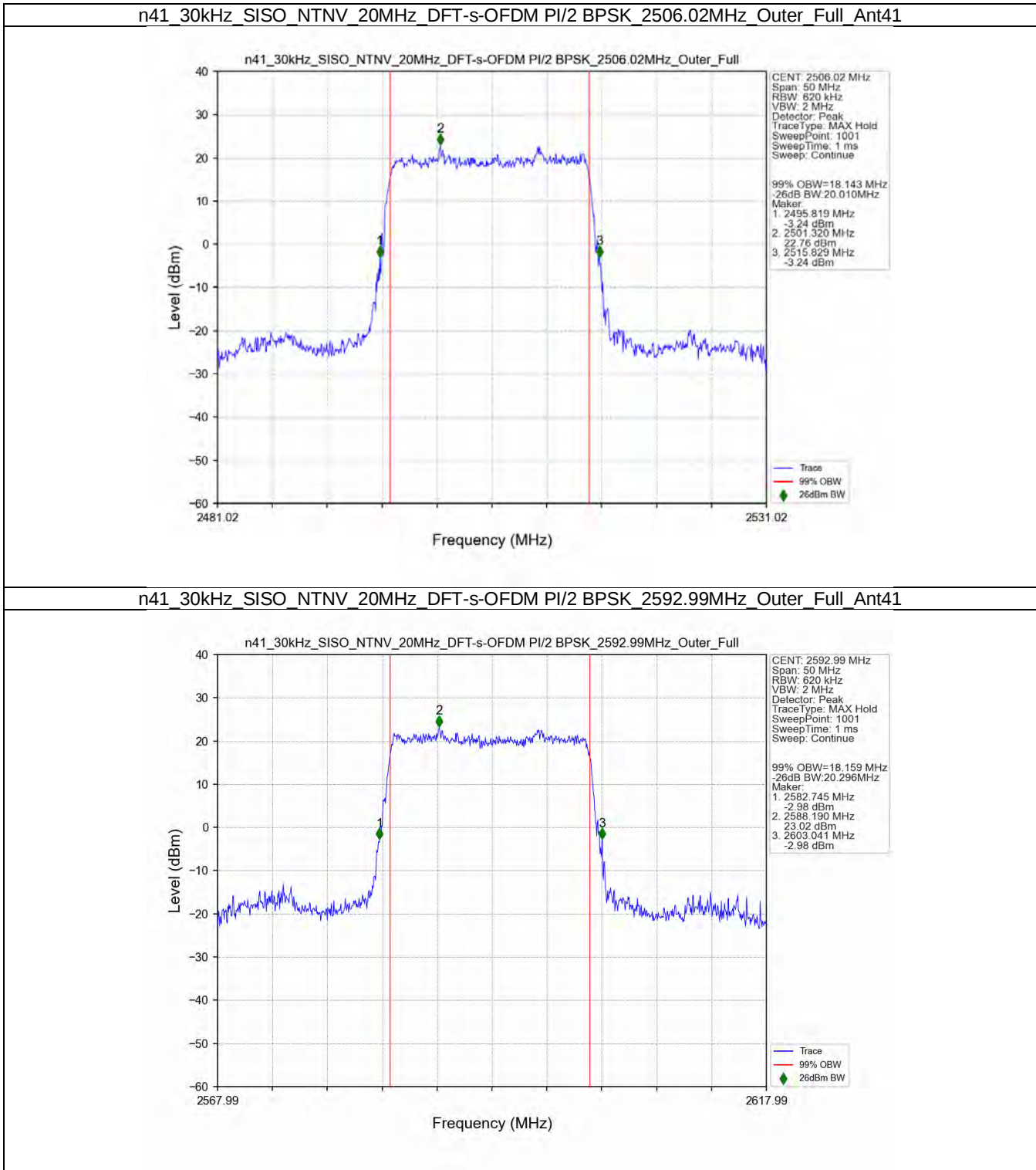
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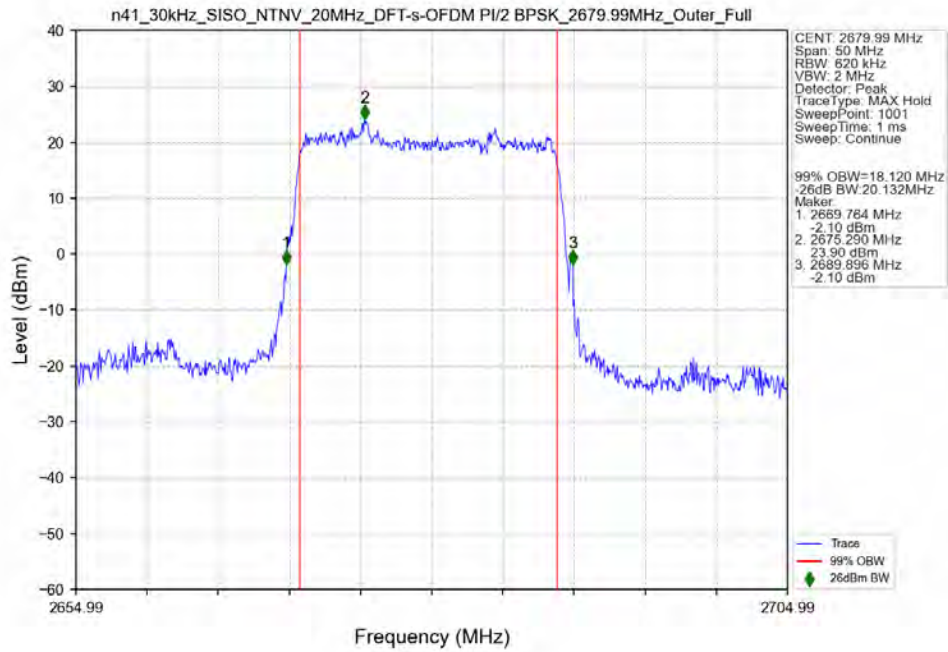
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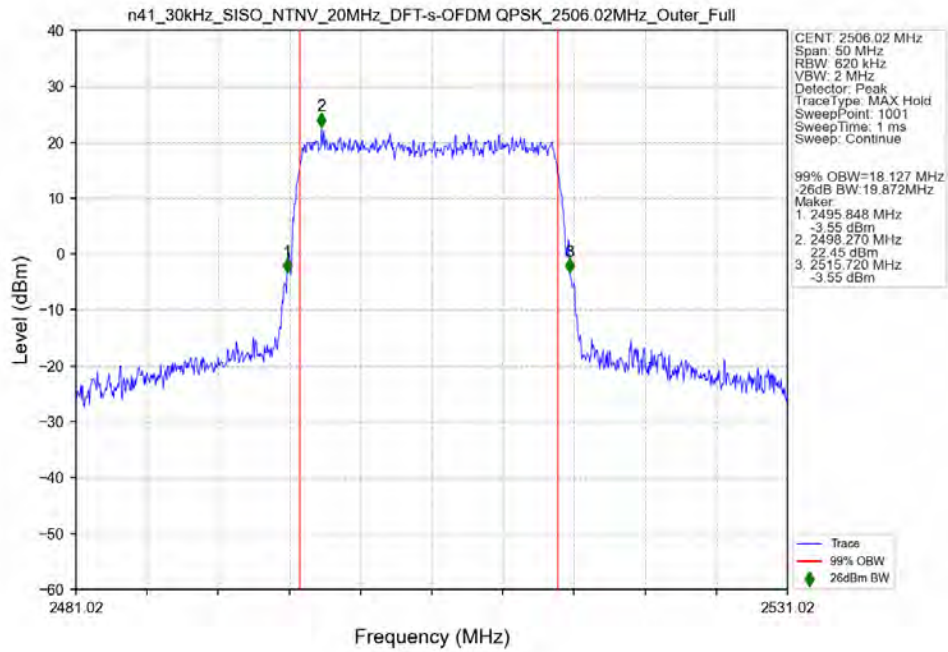
3.2.3 30k_SISO_20MHz_NTNV



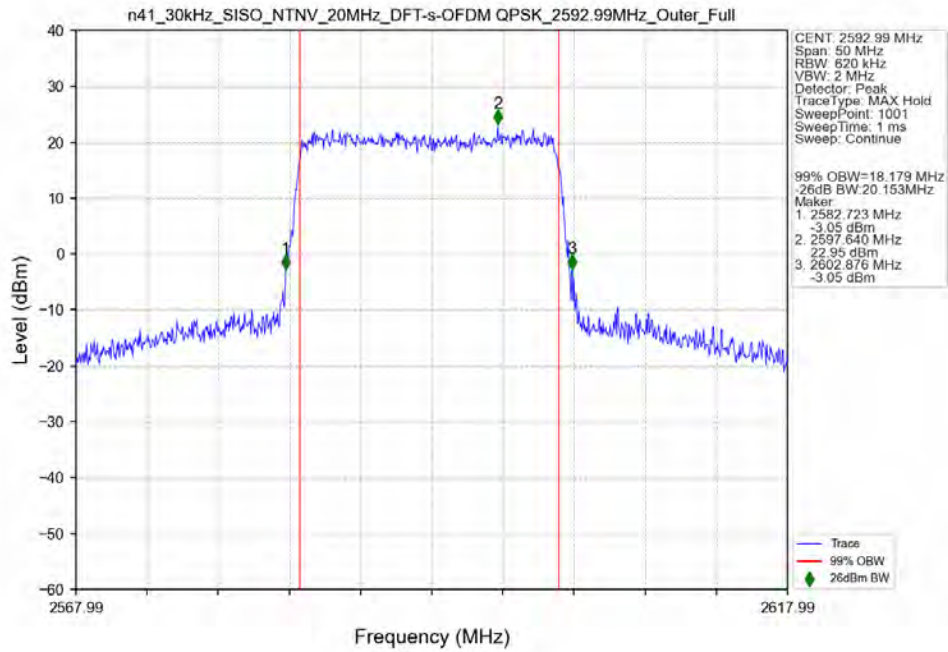
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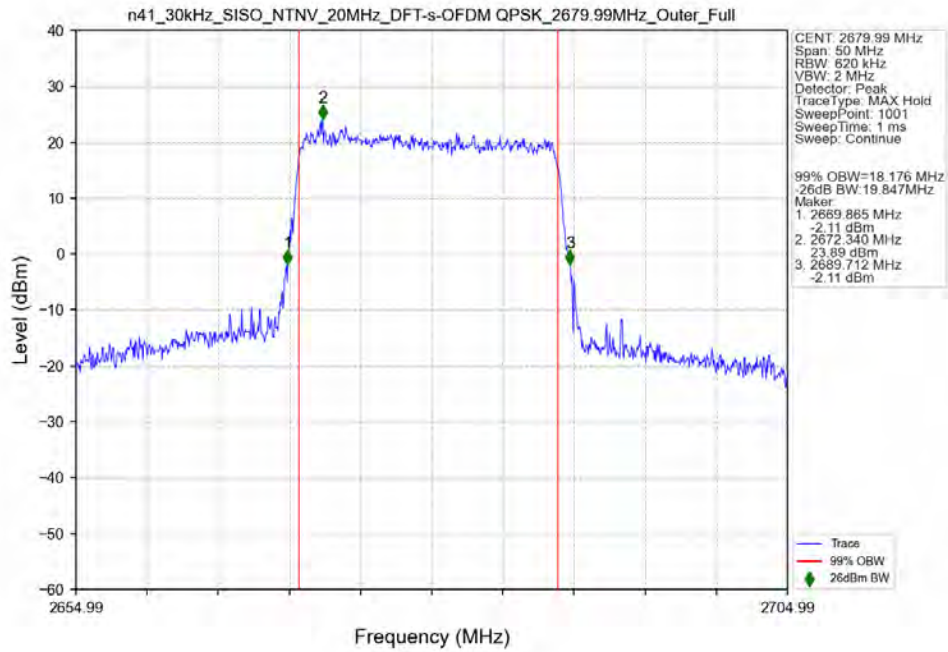
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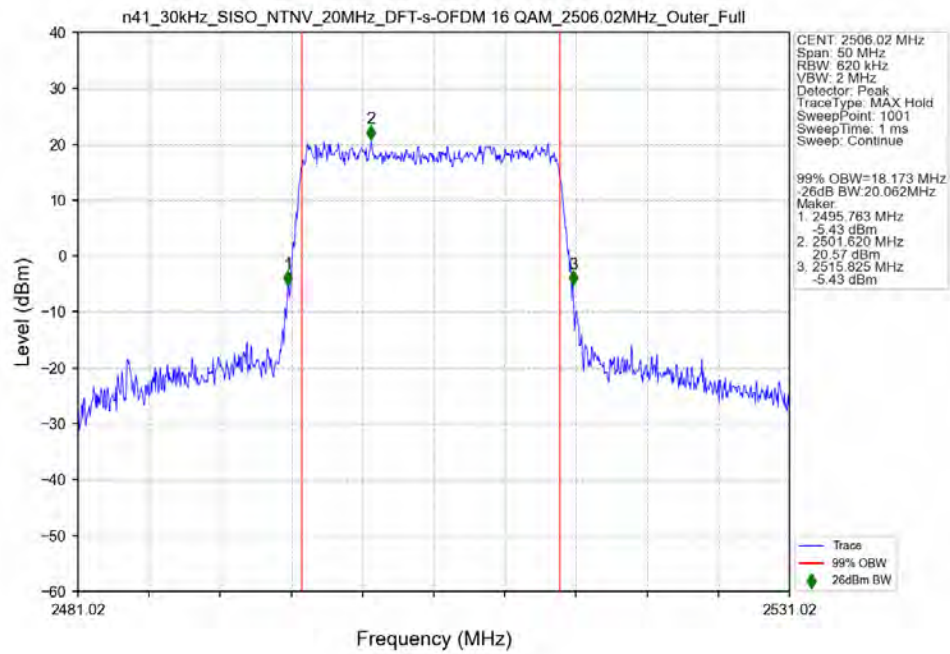
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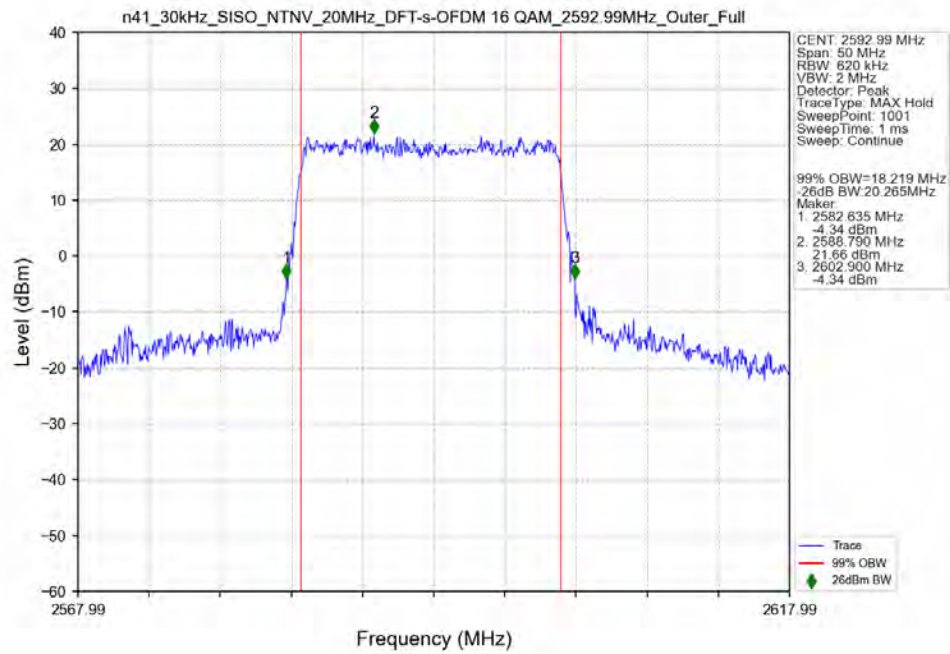
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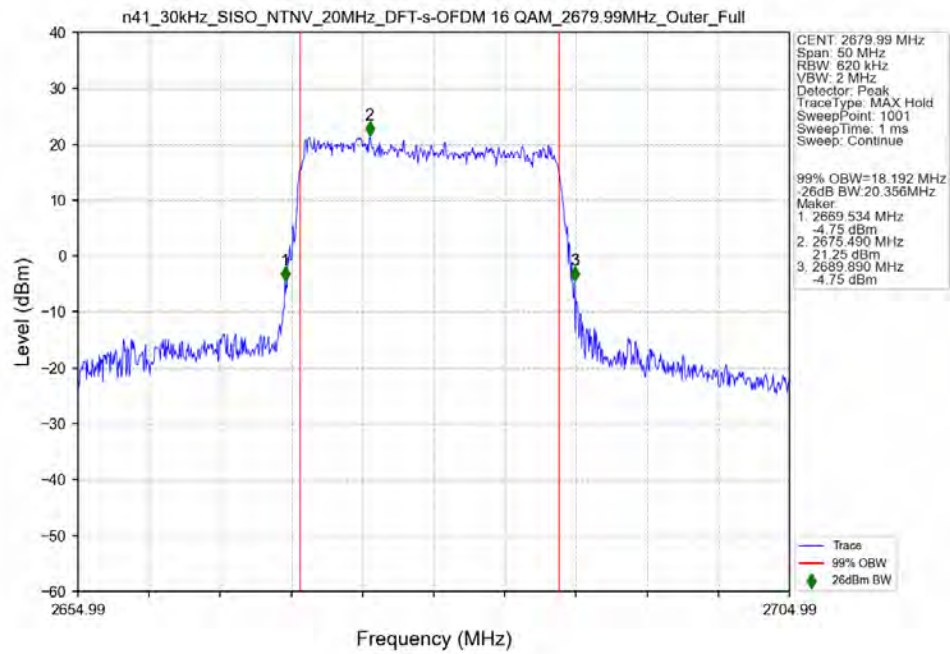
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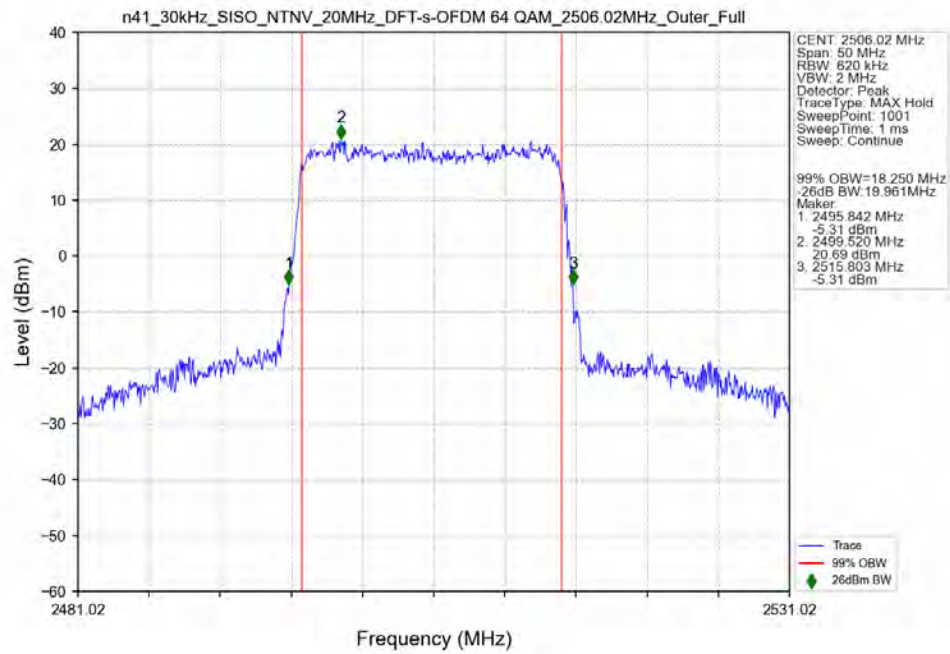
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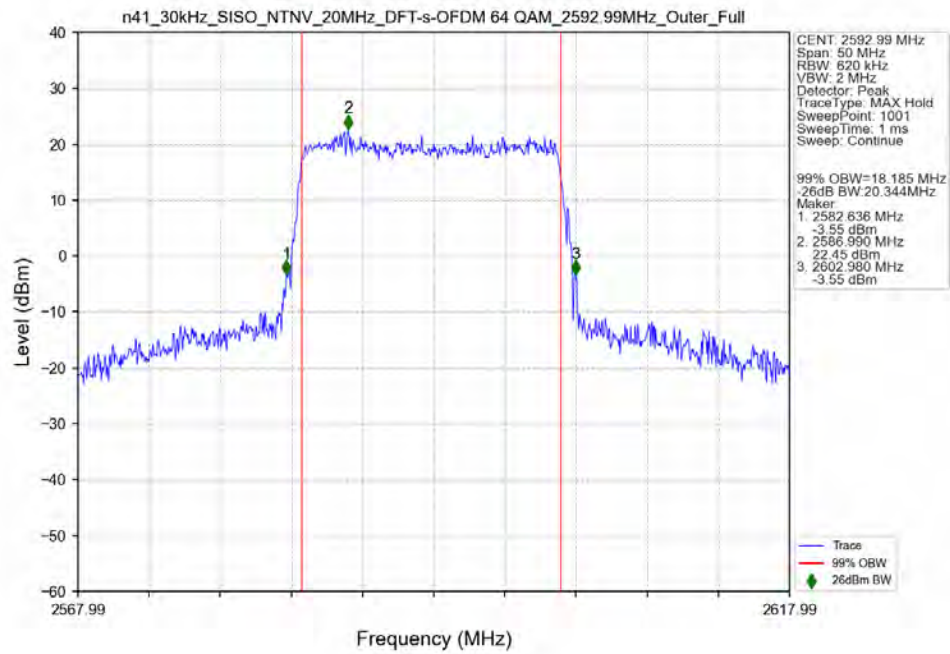
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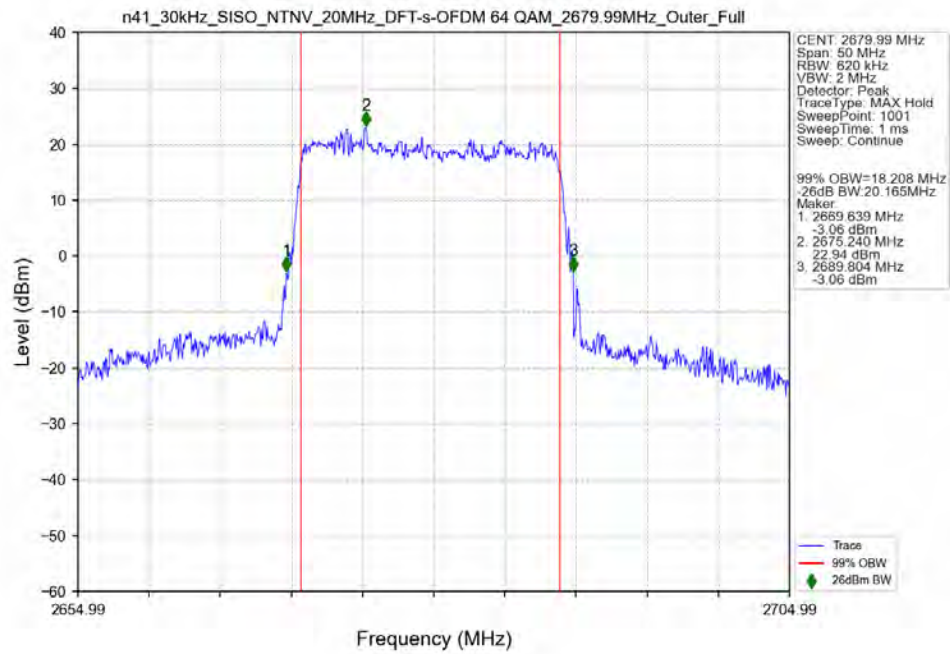
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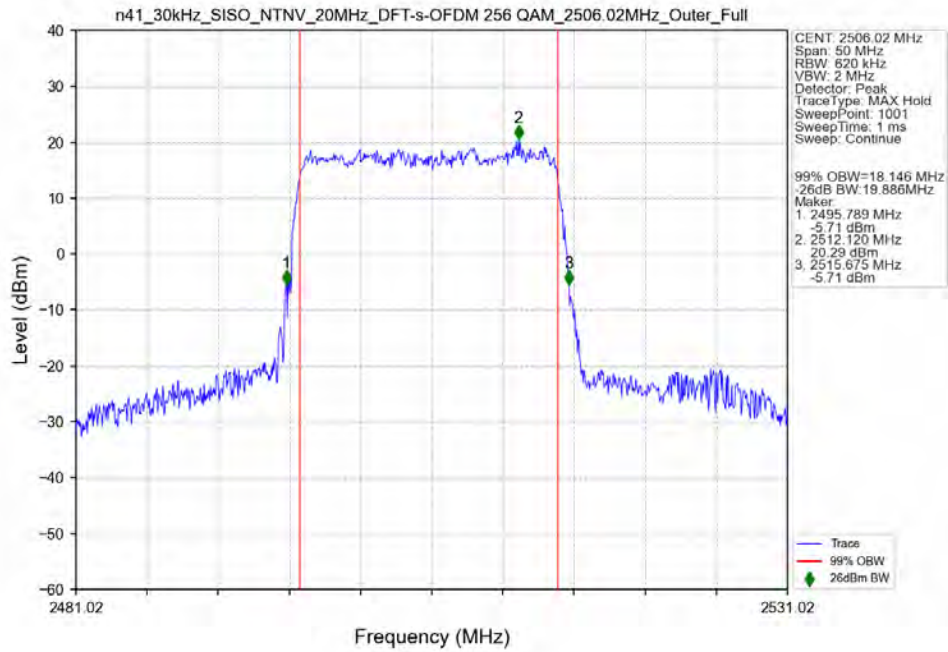
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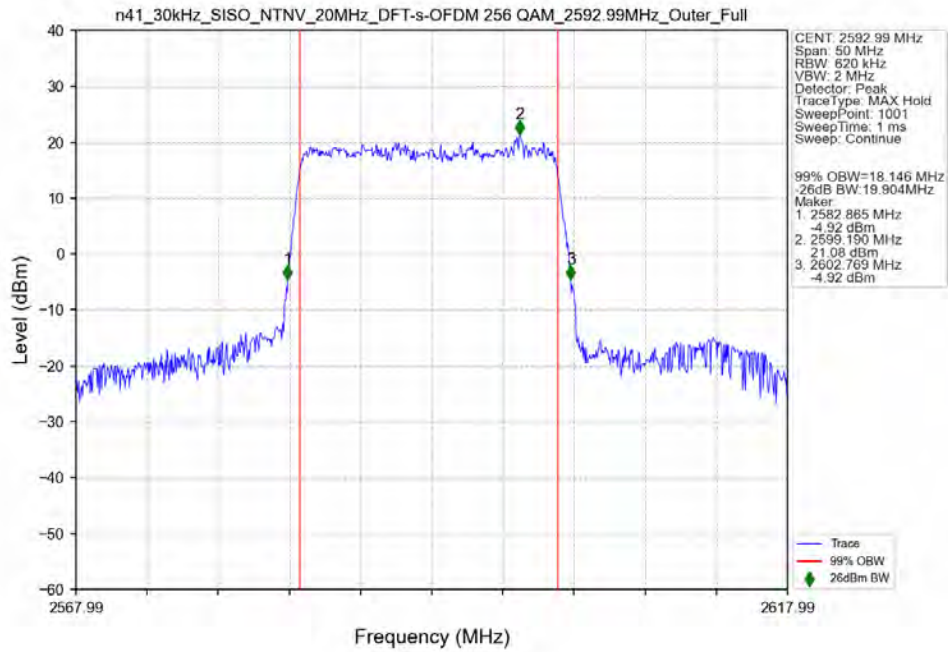
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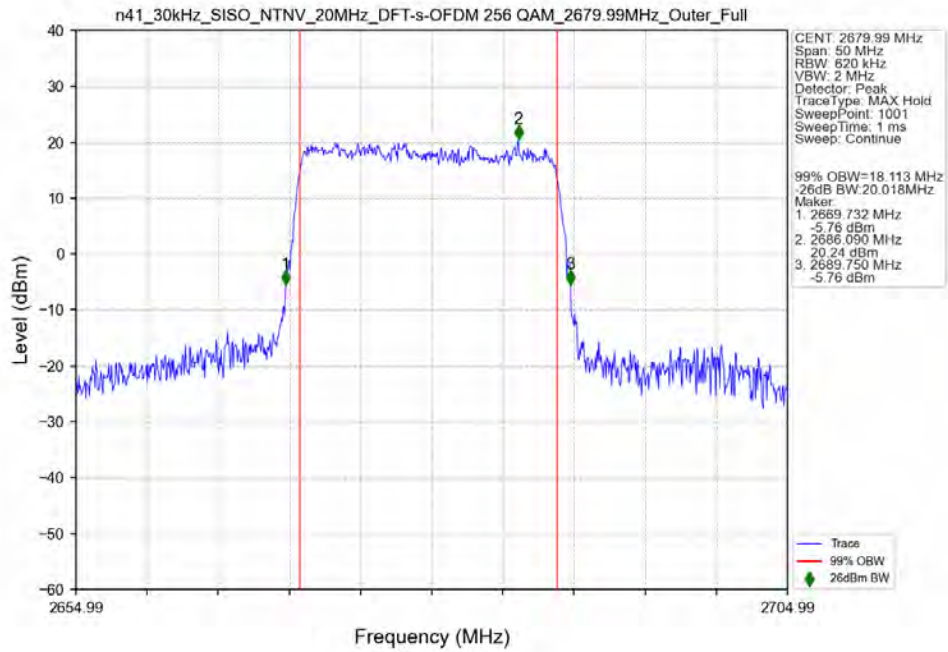
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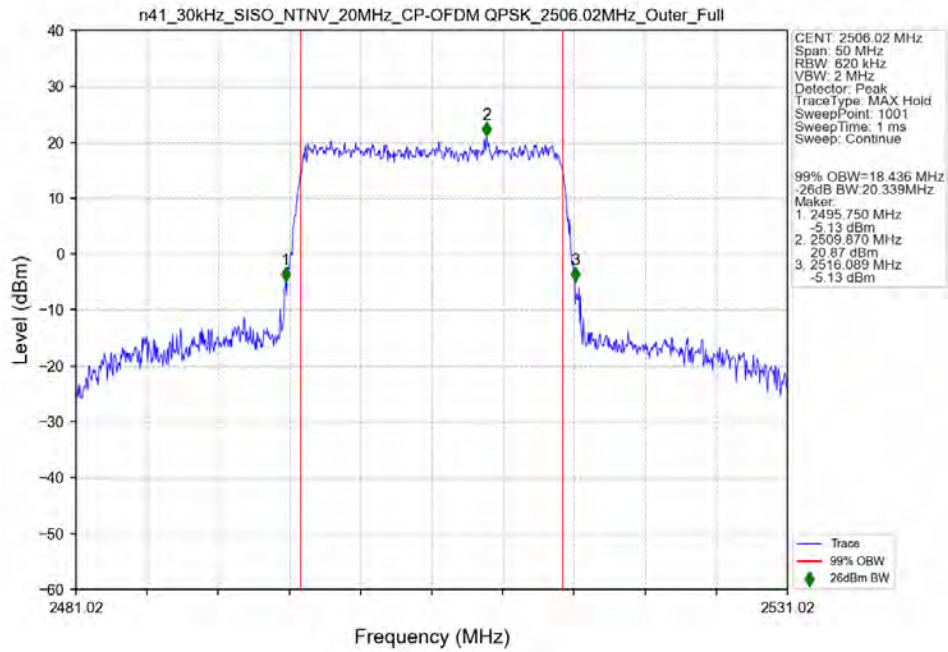
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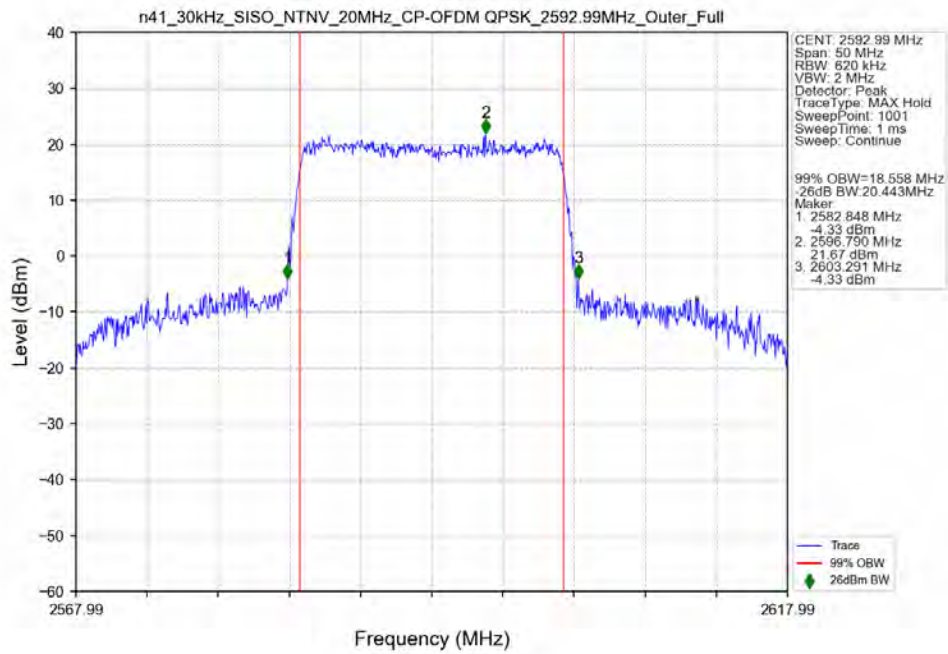
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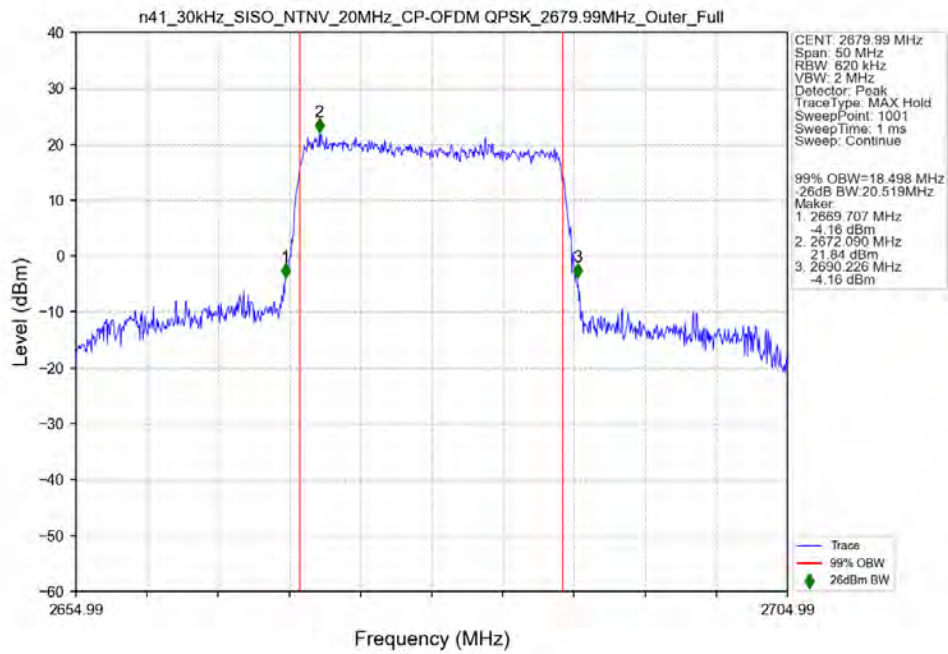
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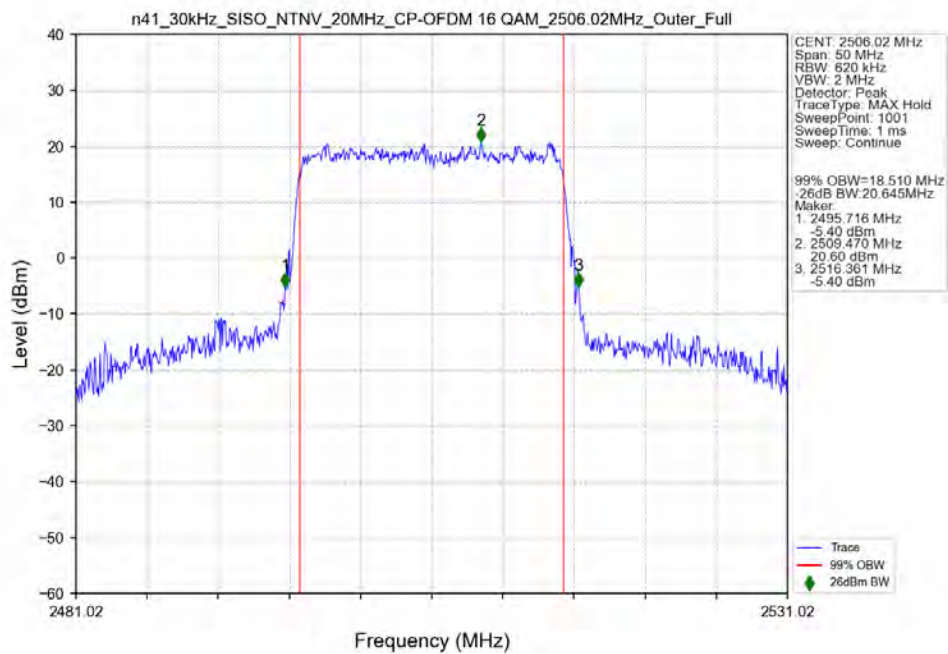
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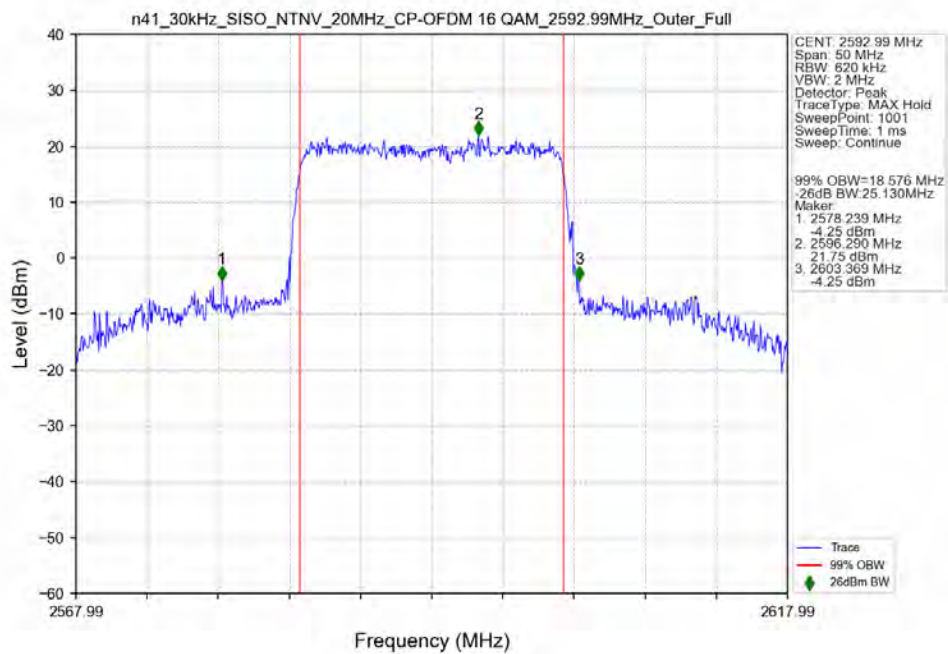
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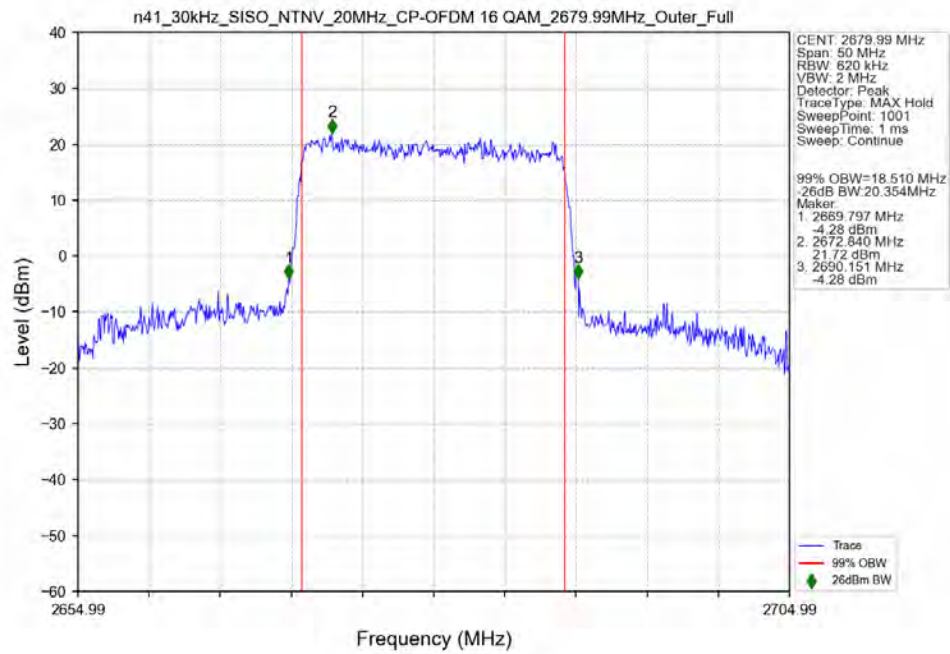
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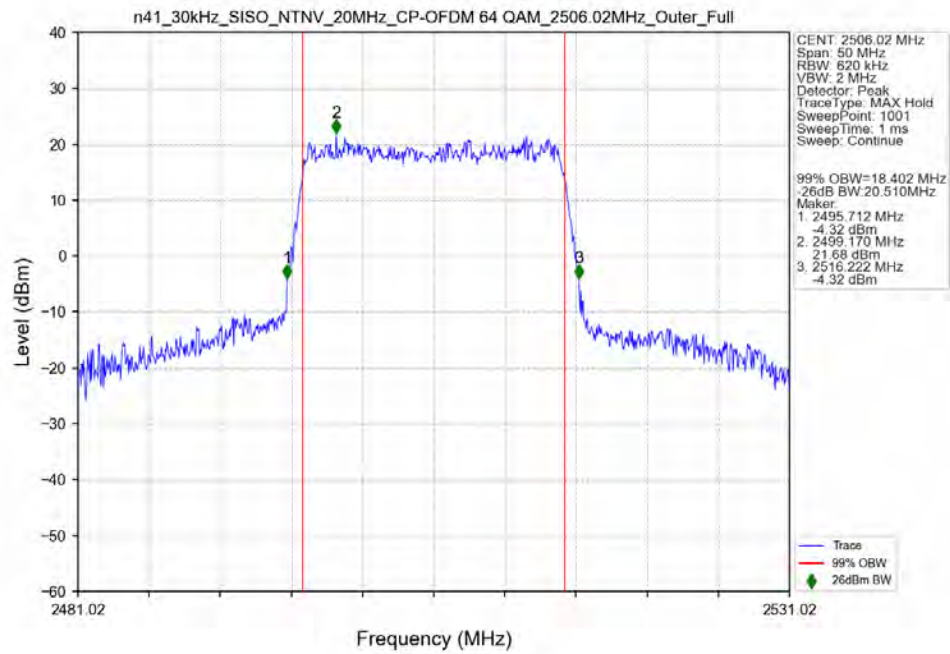
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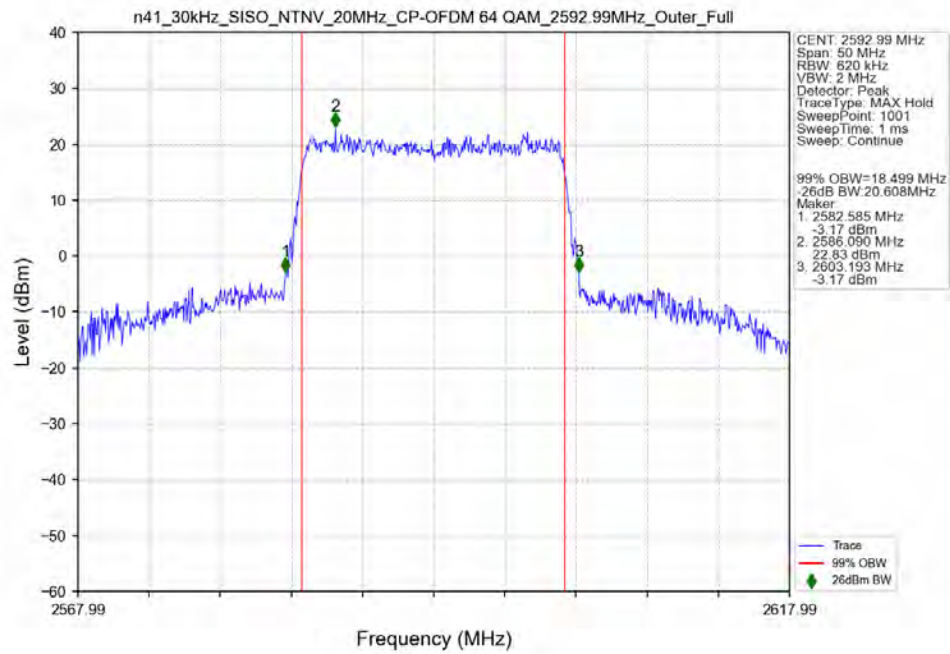
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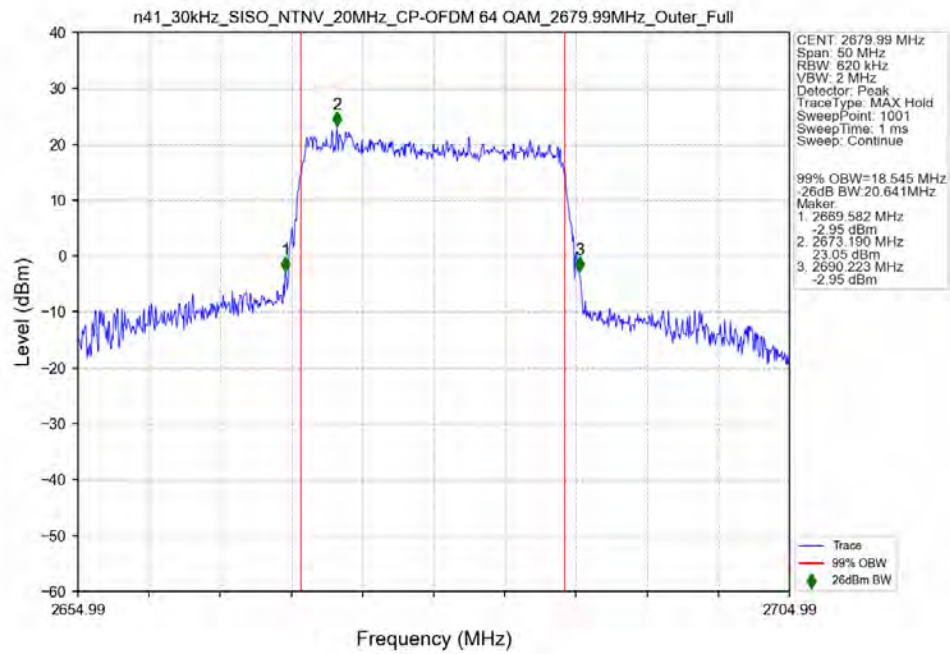
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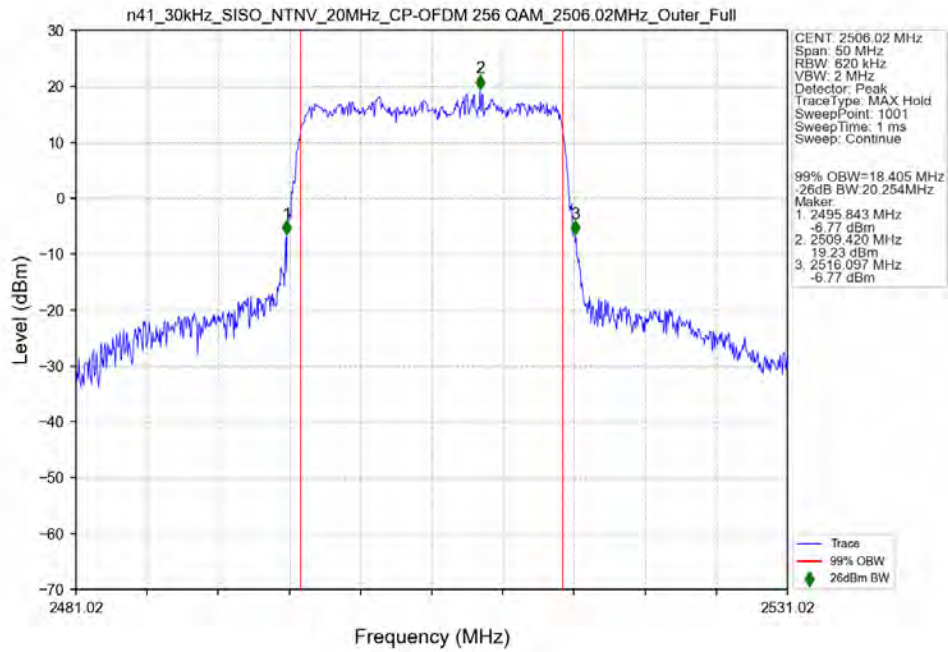
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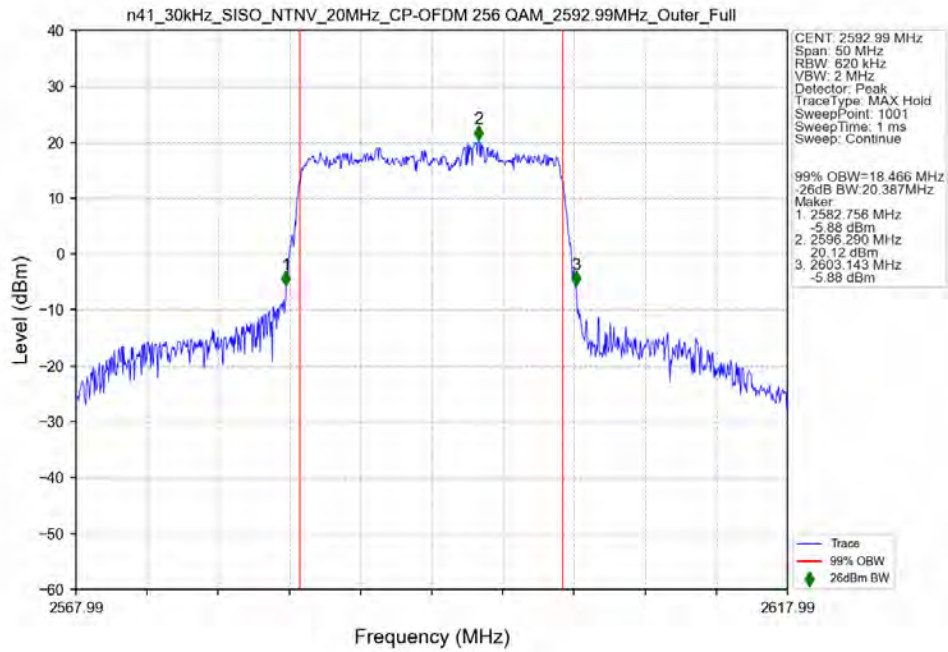
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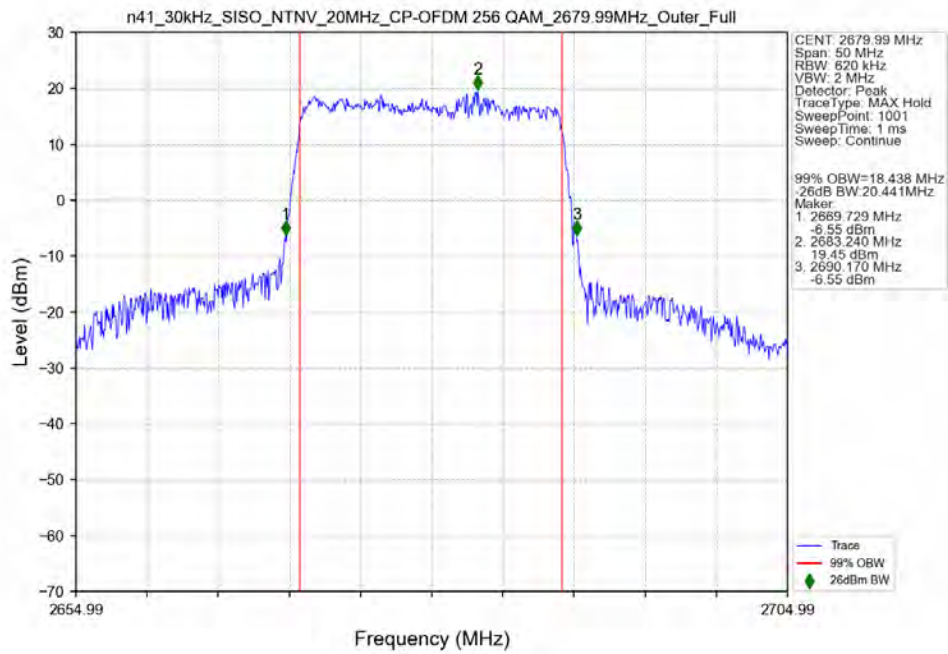
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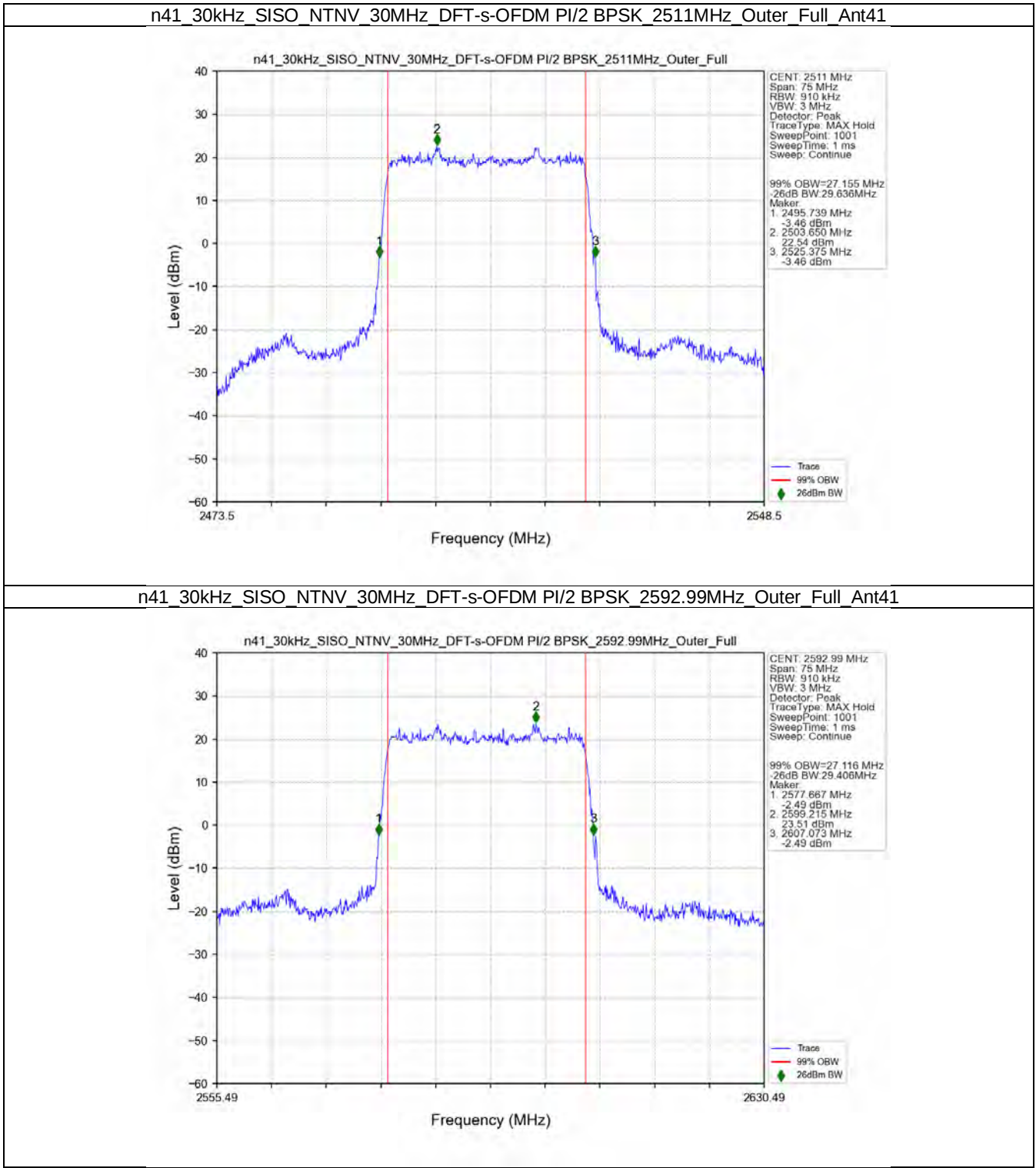
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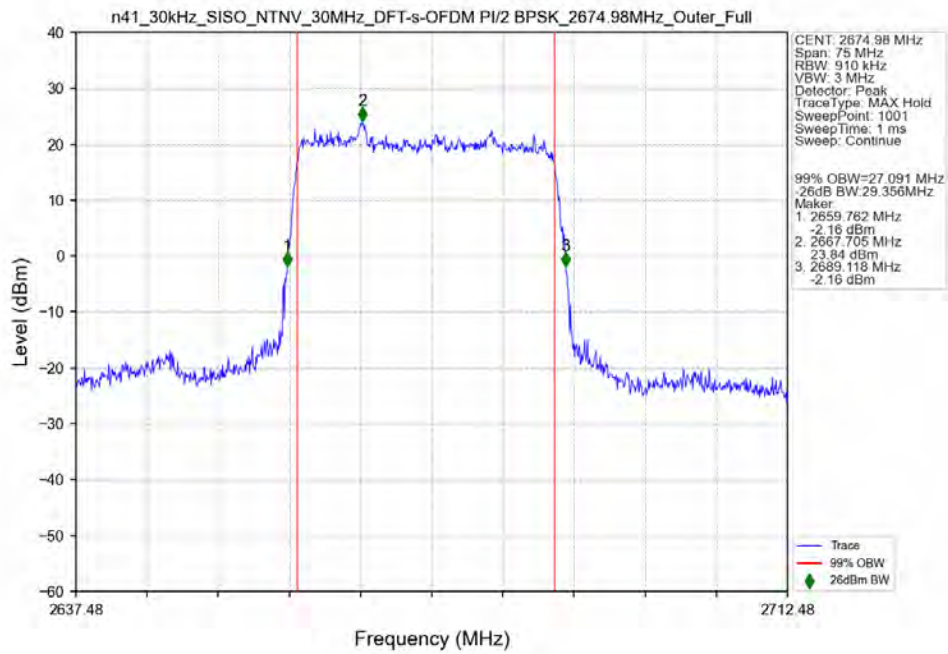
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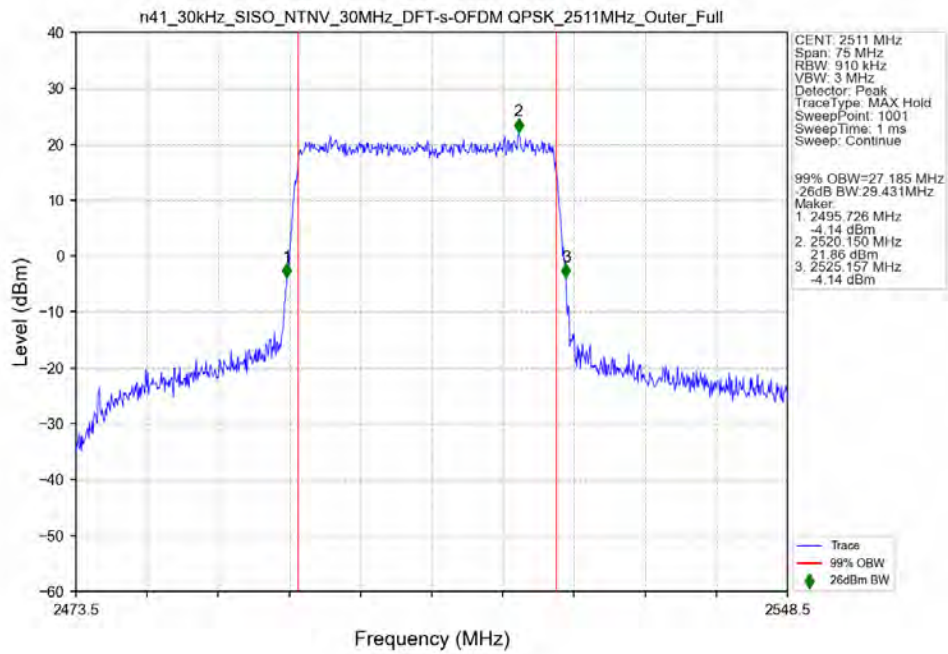
3.2.4 30k_SISO_30MHz_NTNV



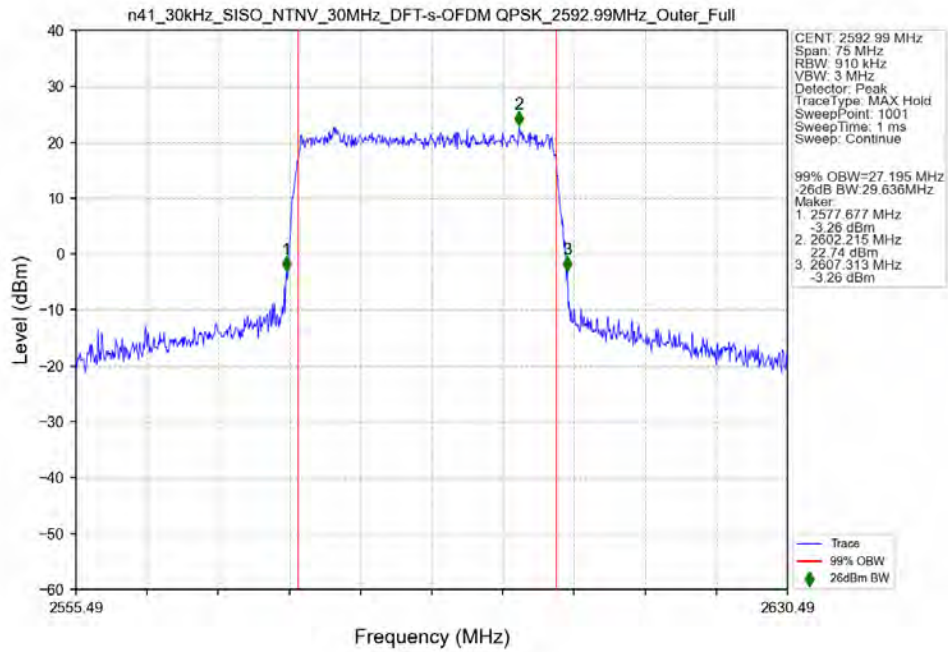
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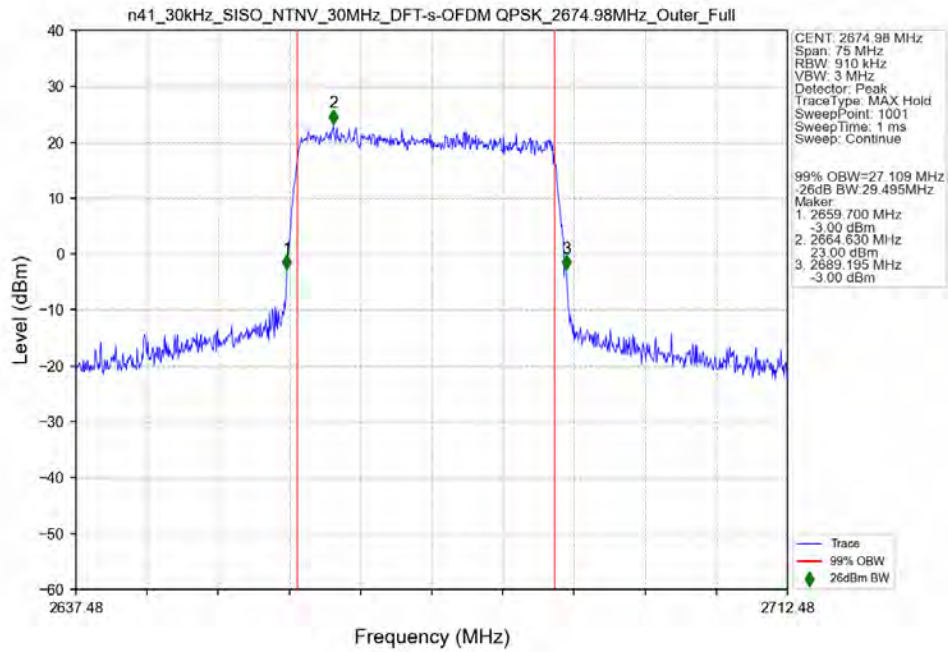
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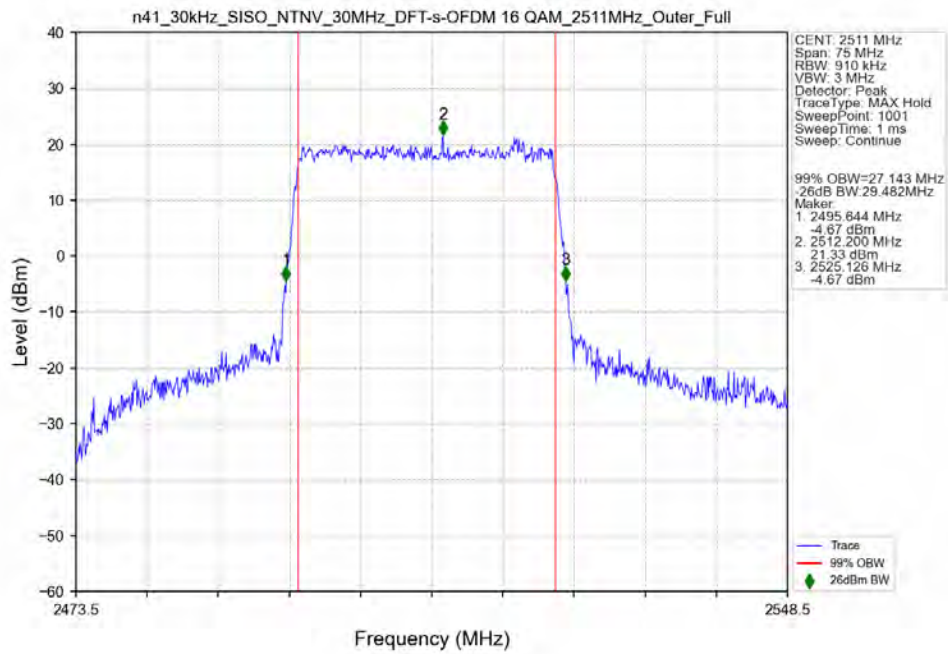
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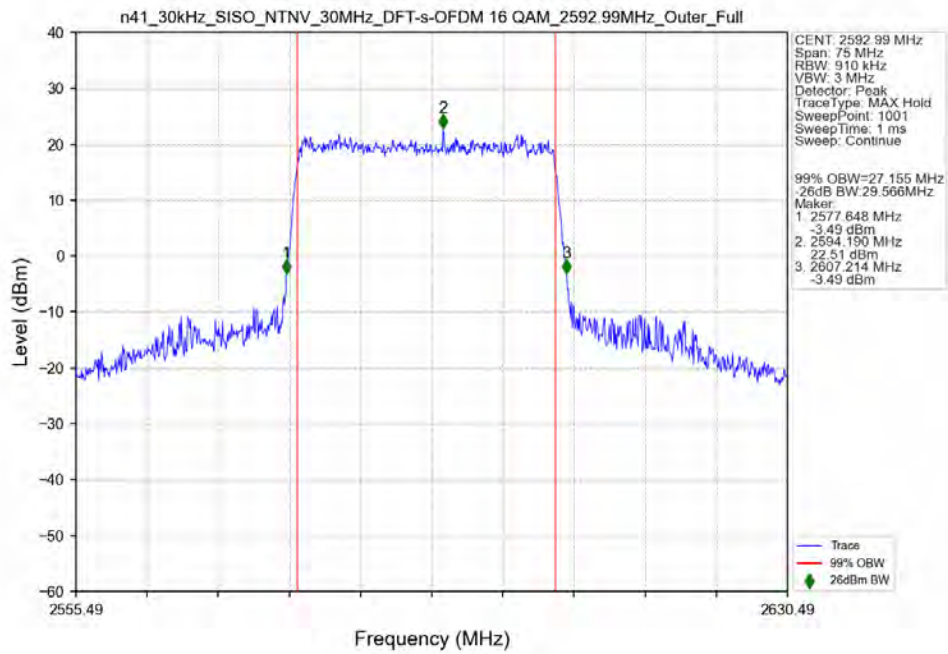
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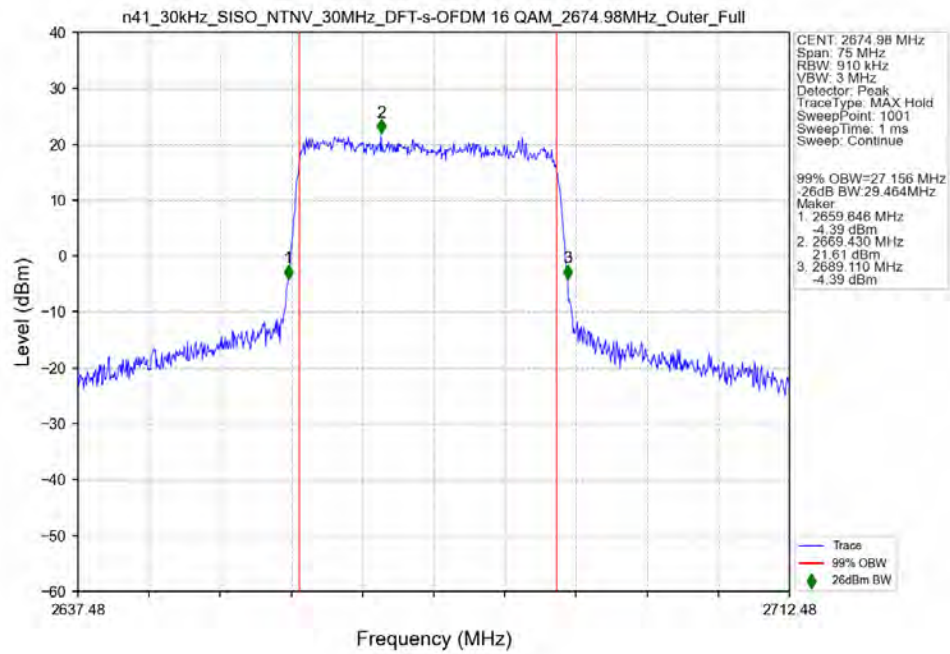
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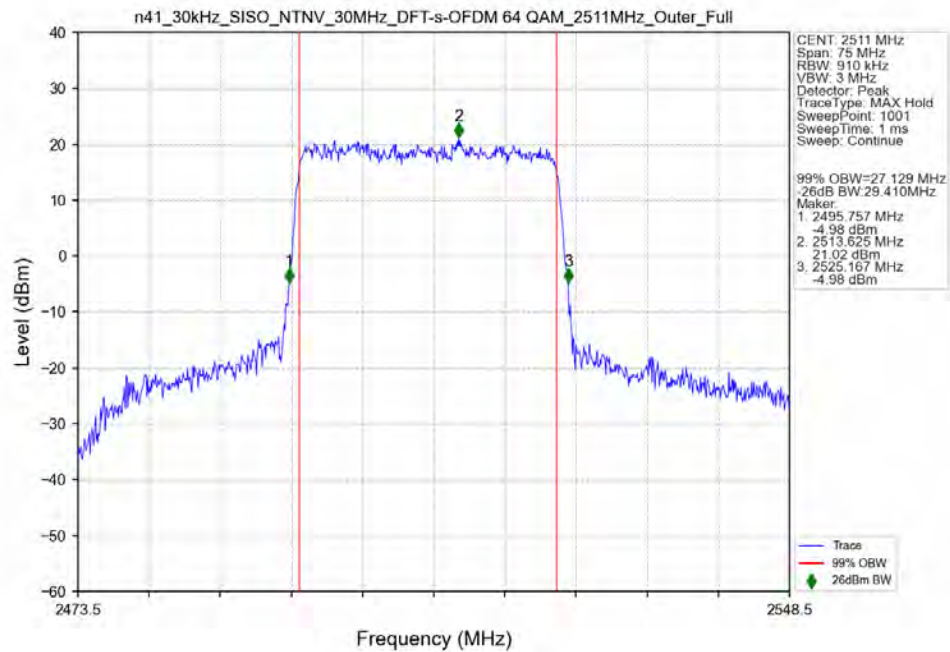
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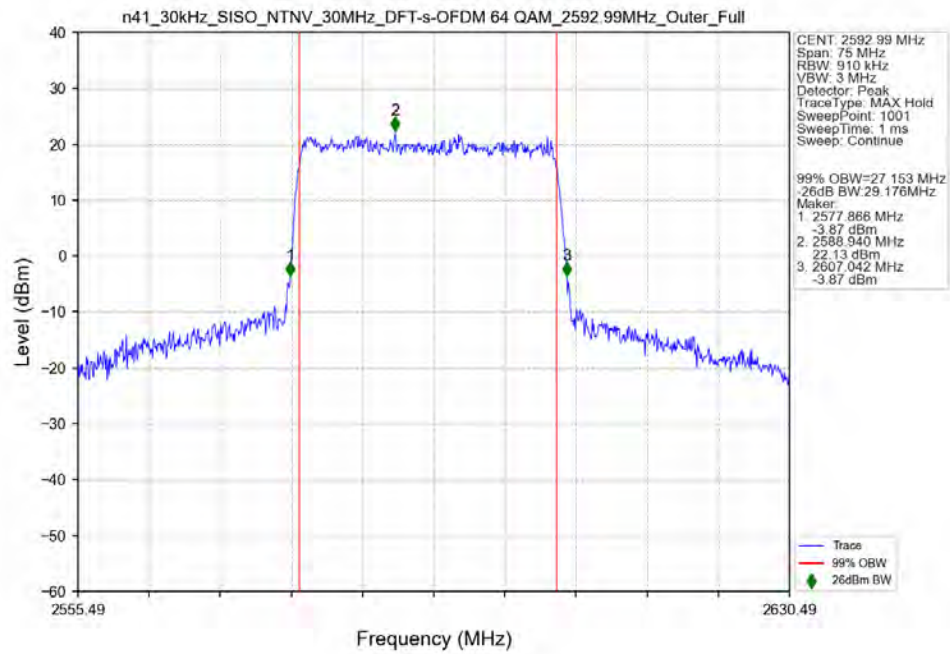
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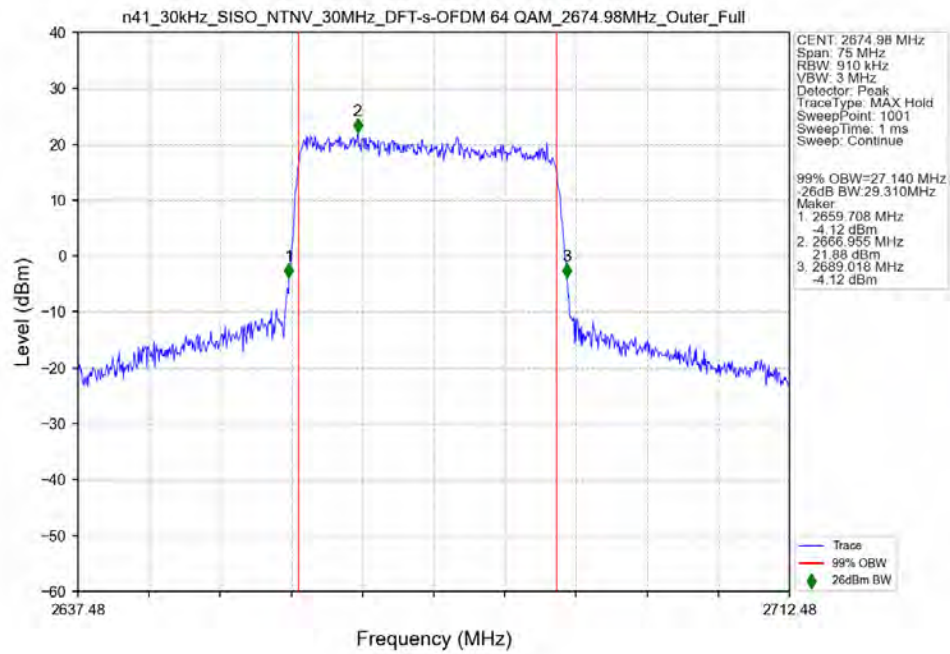
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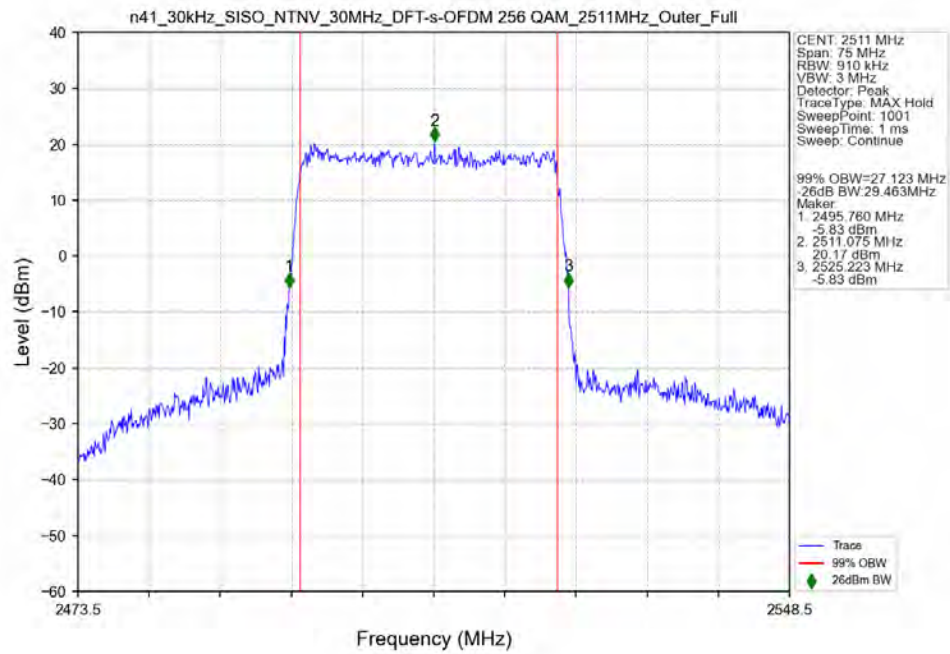
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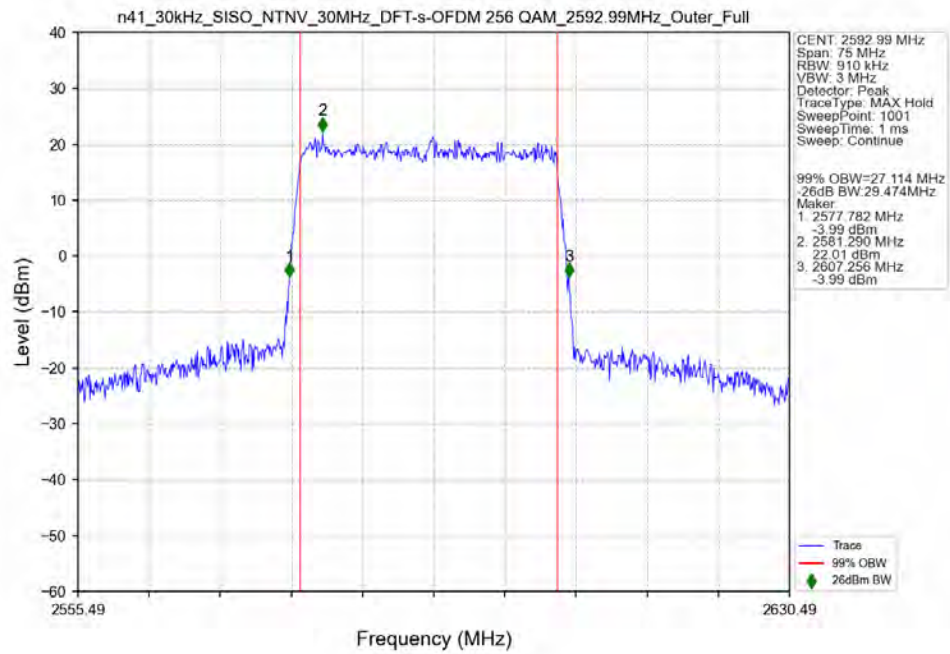
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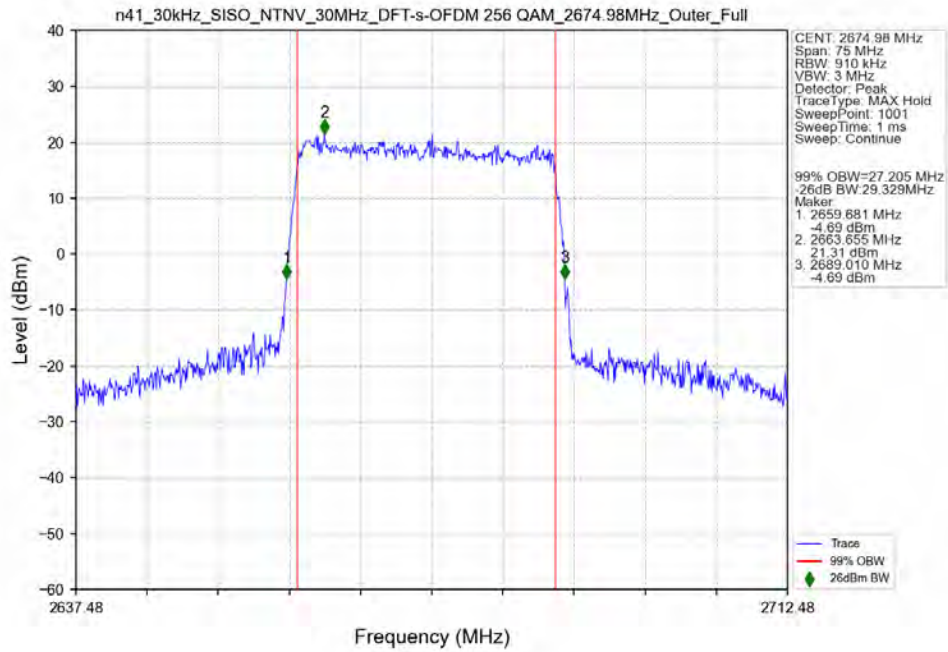
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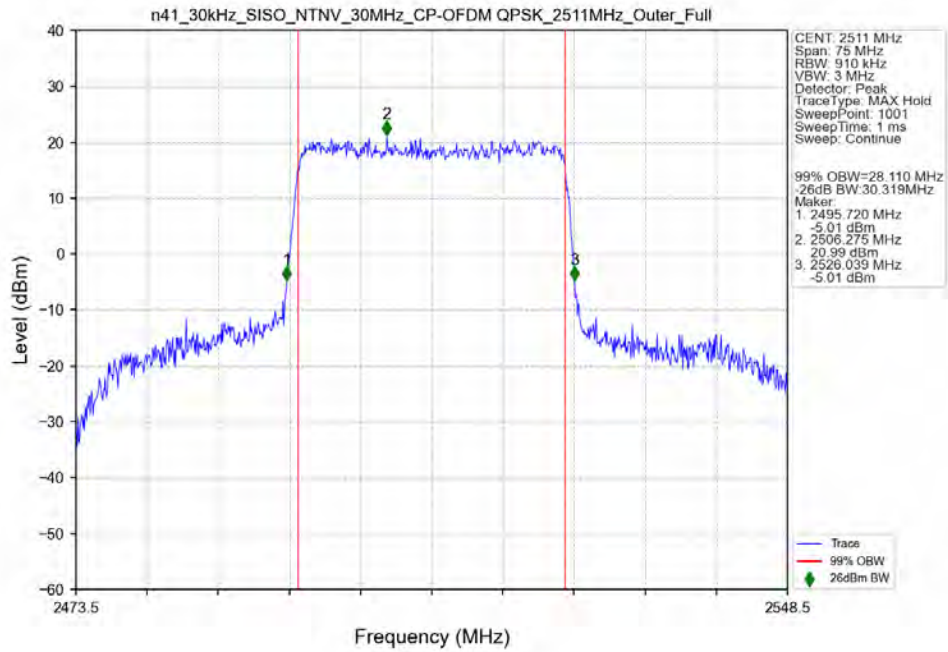
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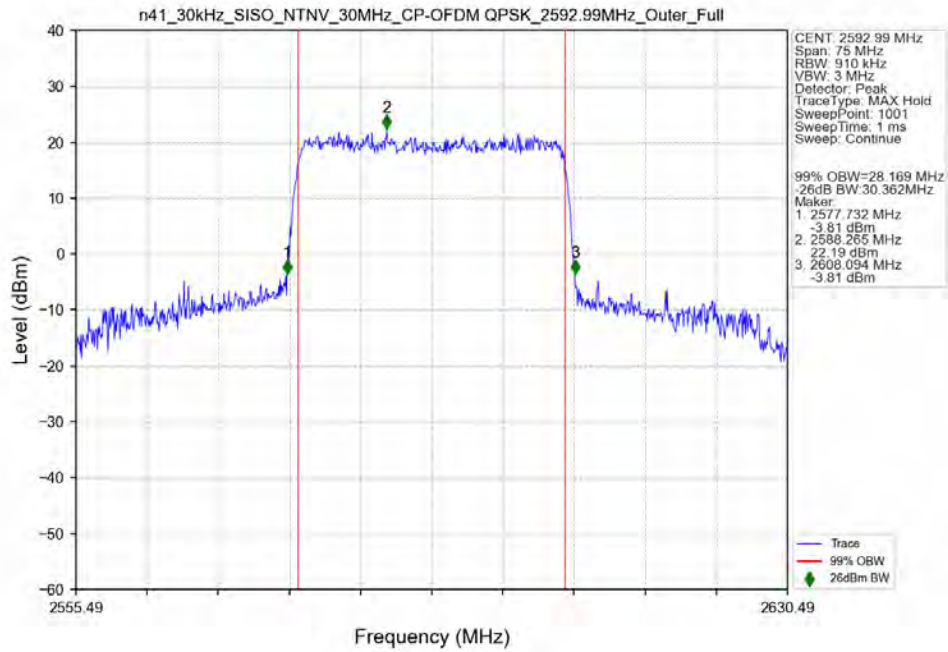
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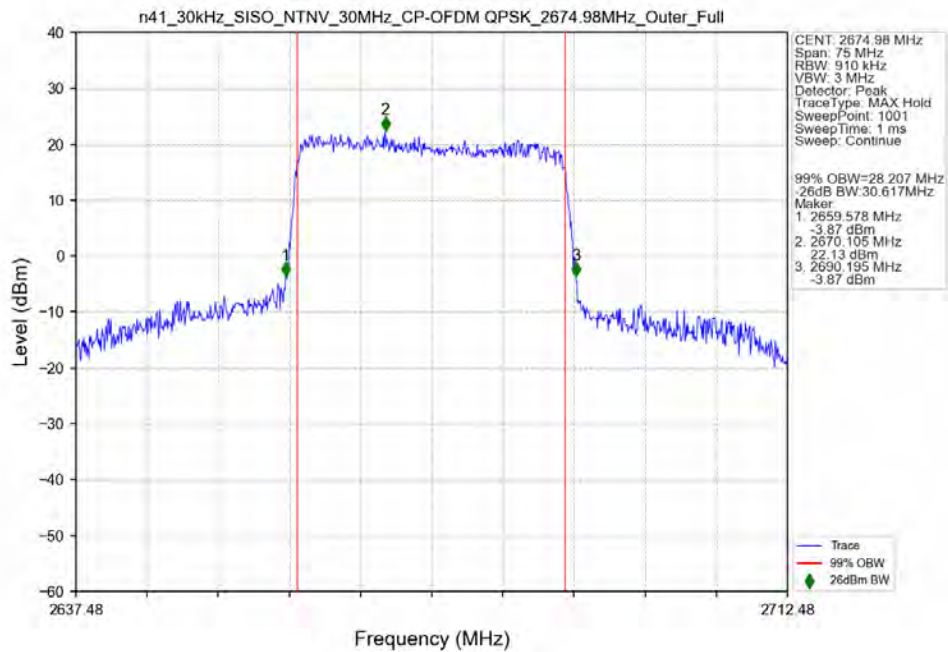
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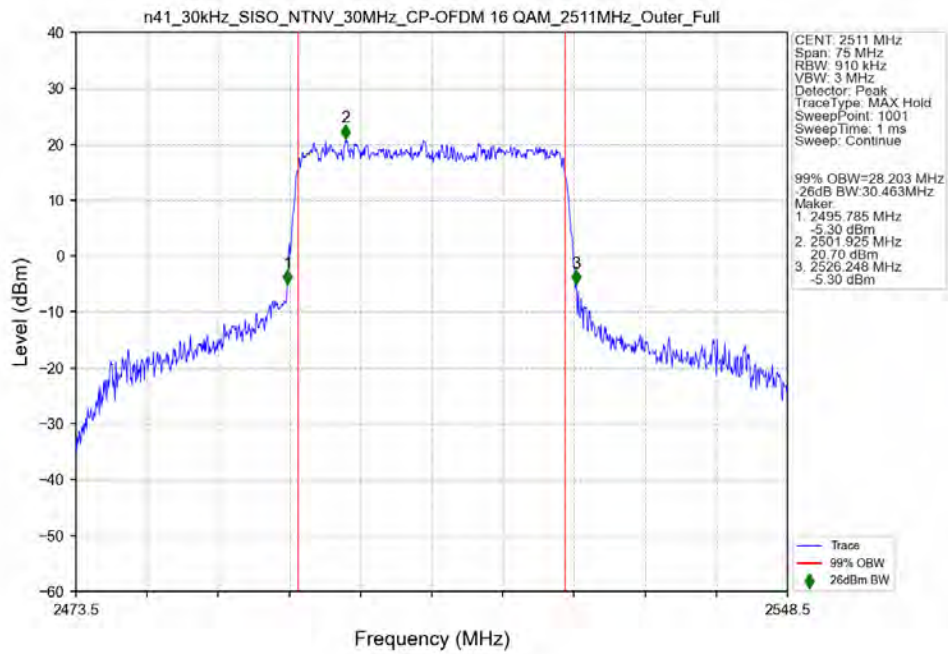
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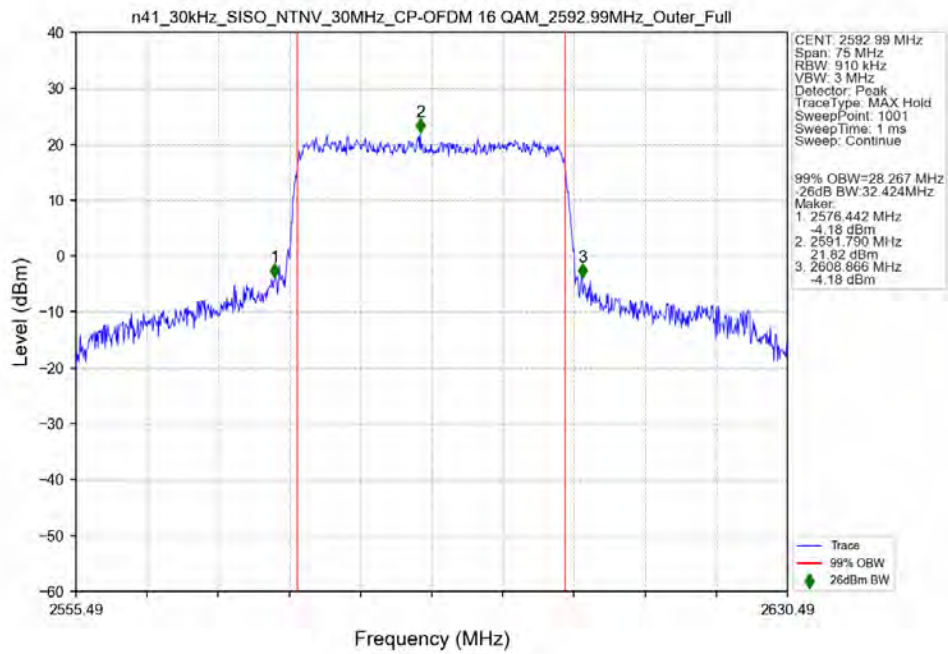
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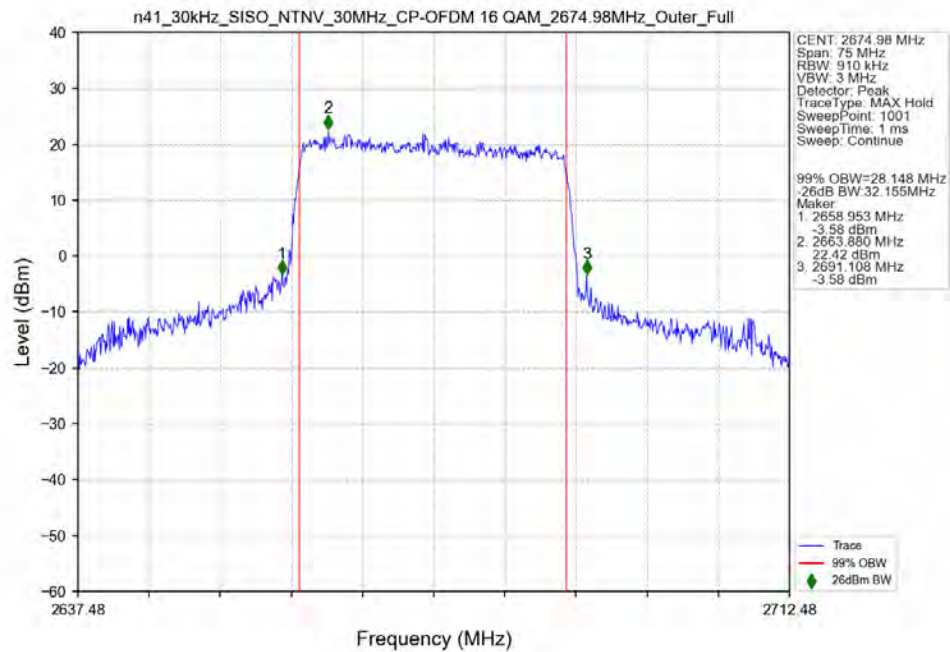
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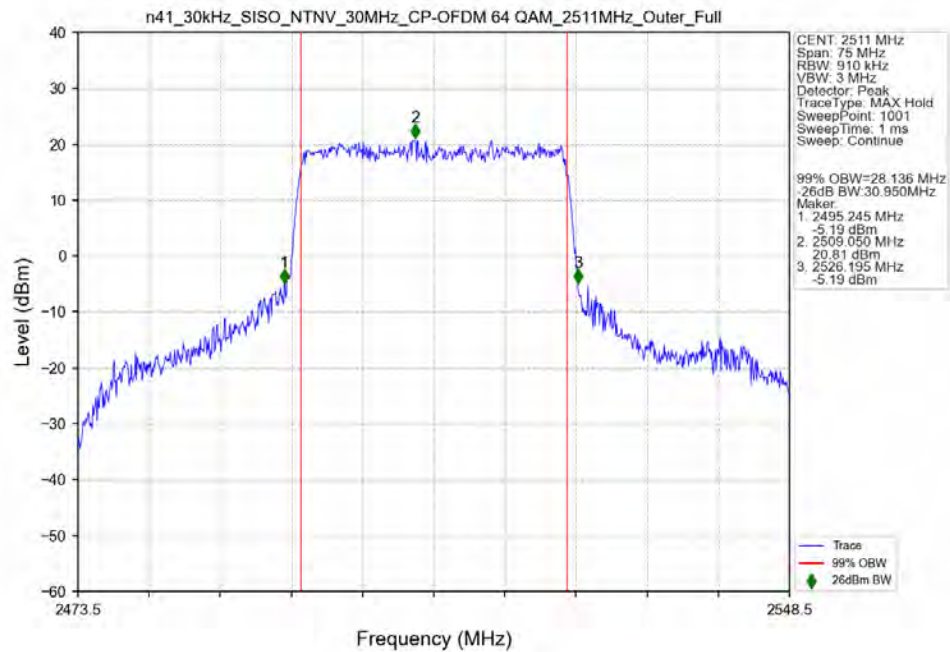
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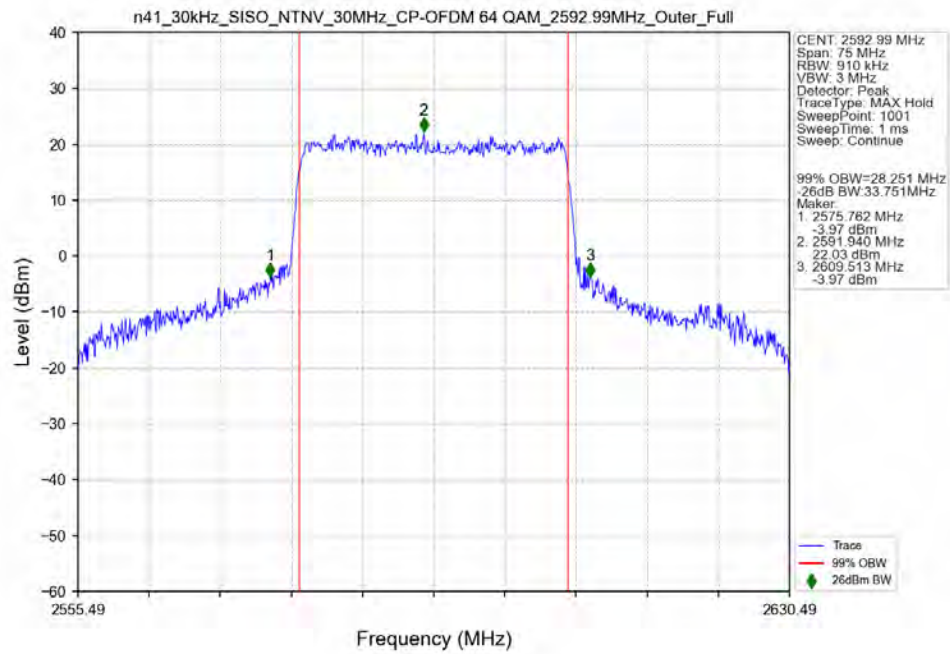
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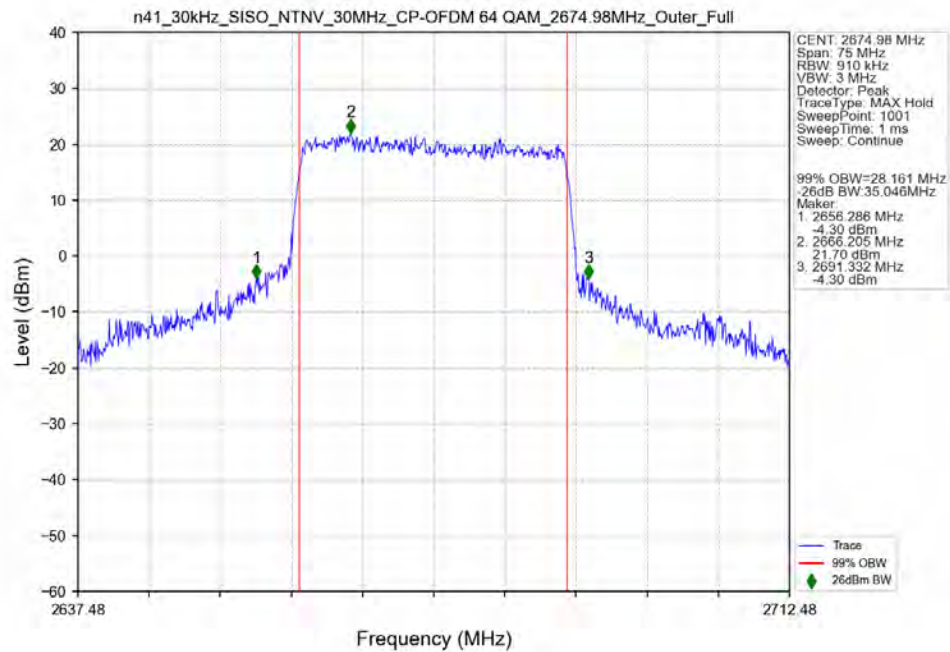
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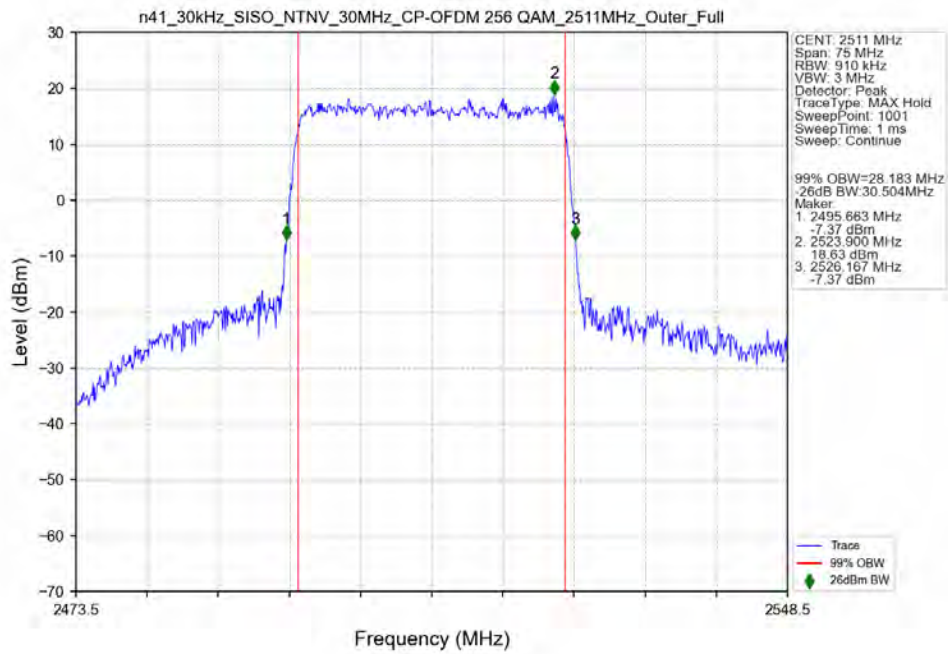
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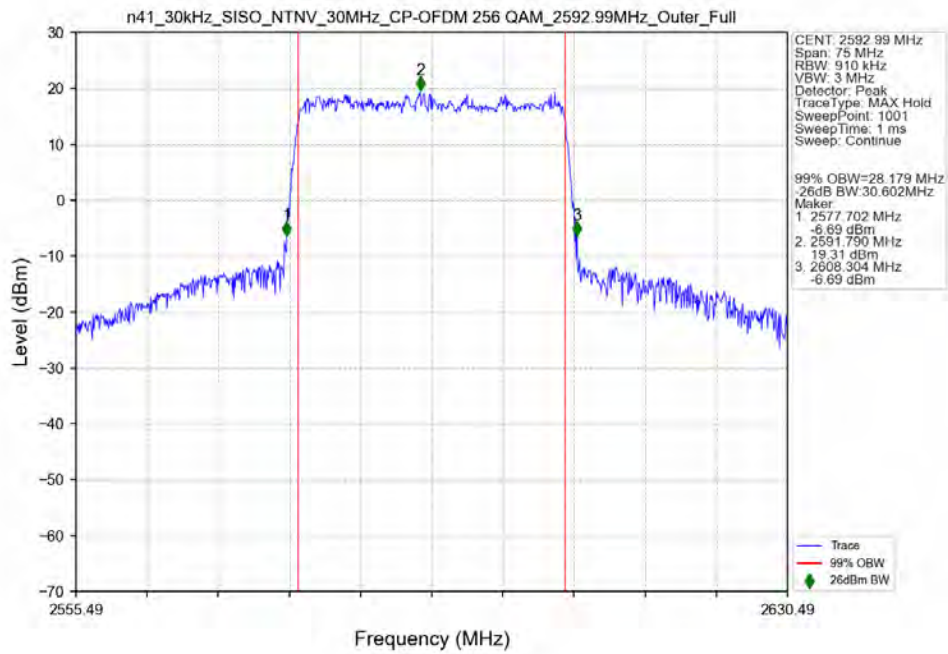
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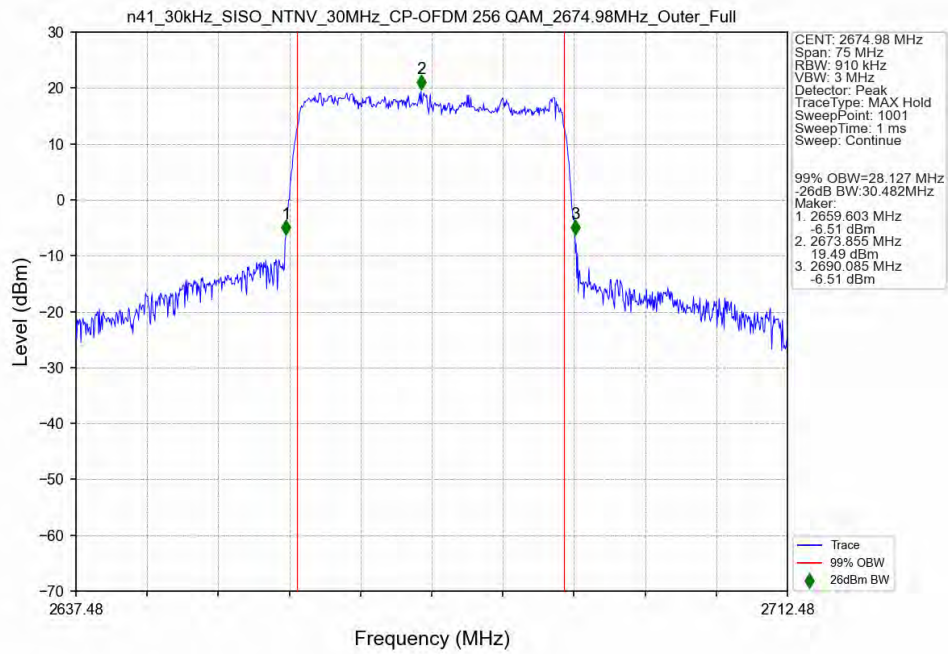
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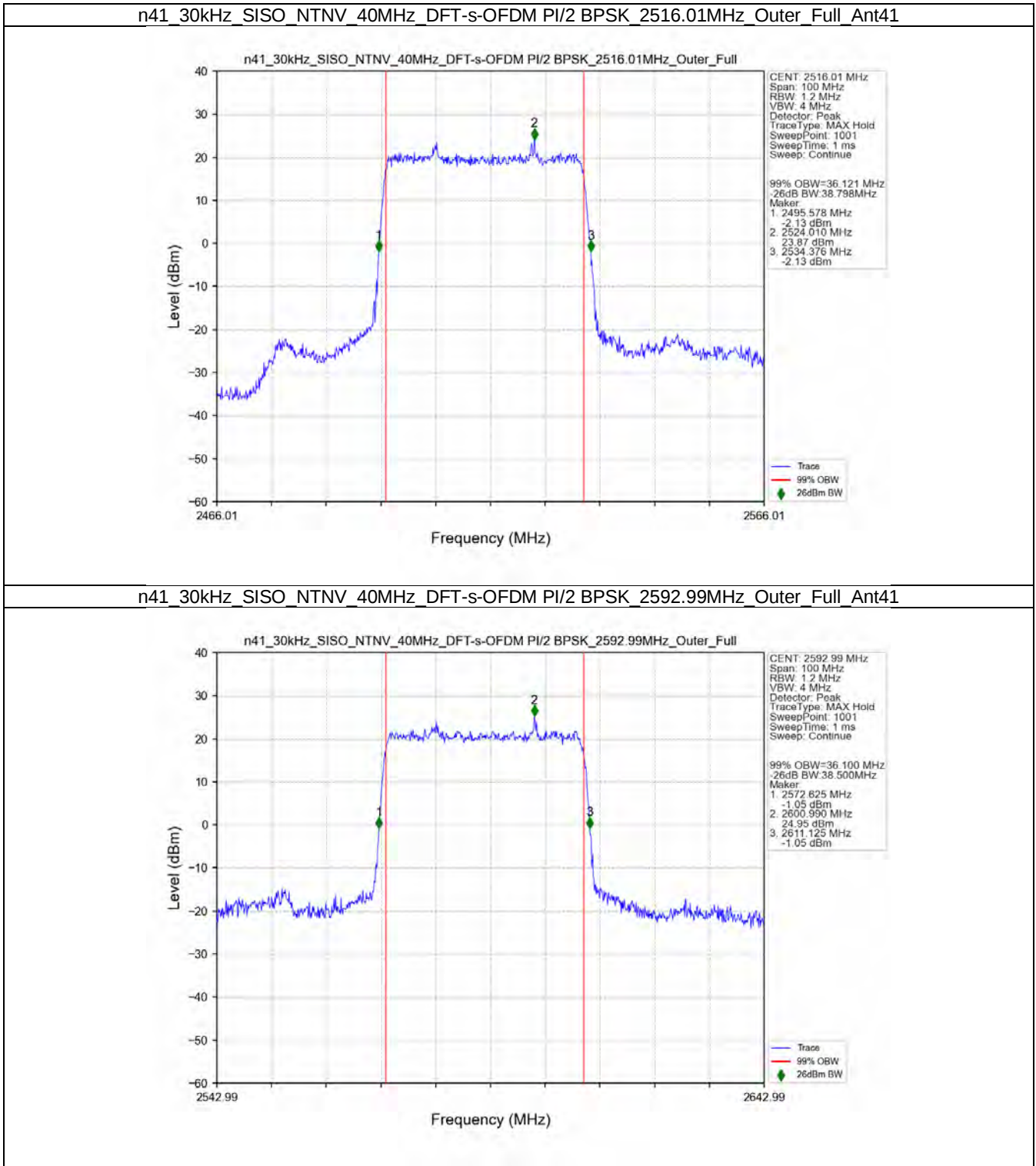
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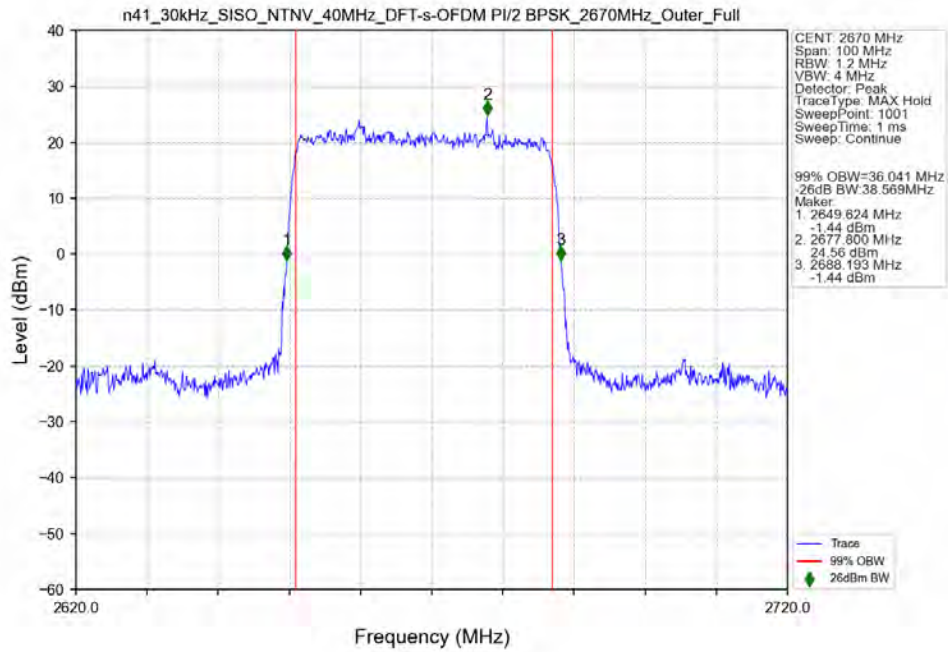
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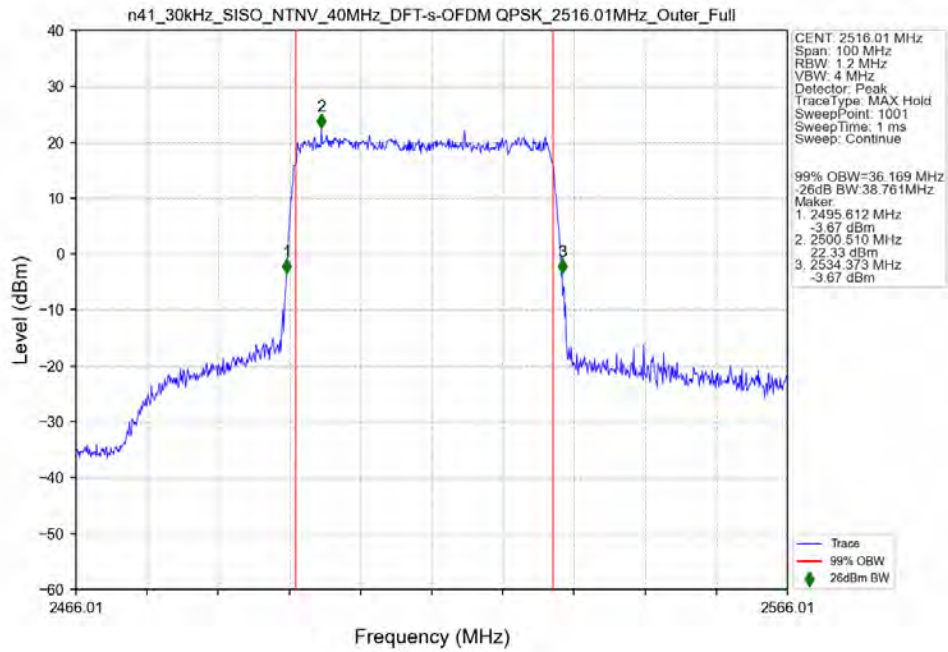
3.2.5 30k_SISO_40MHz_NTNV



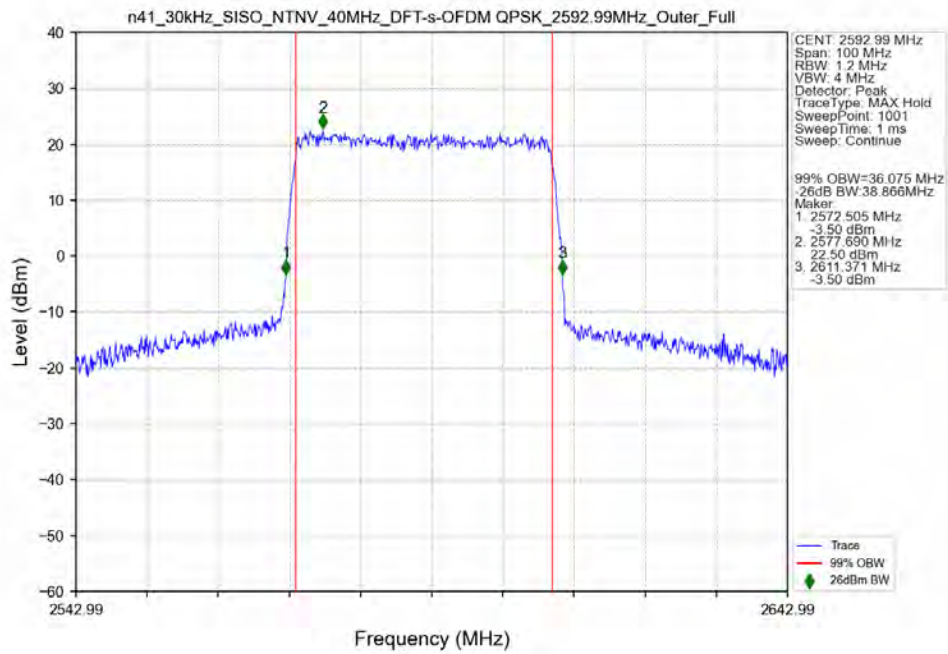
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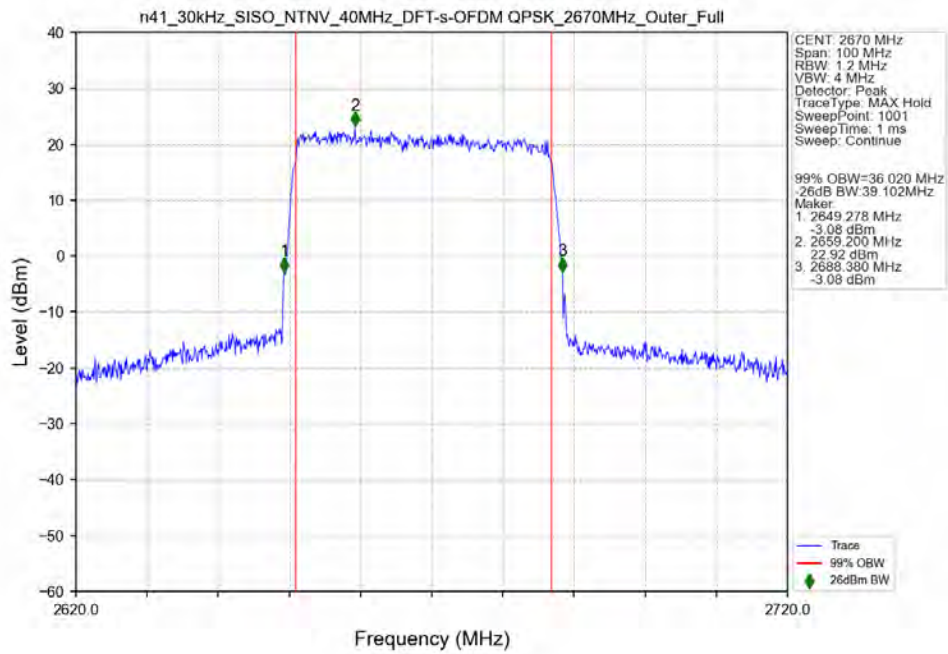
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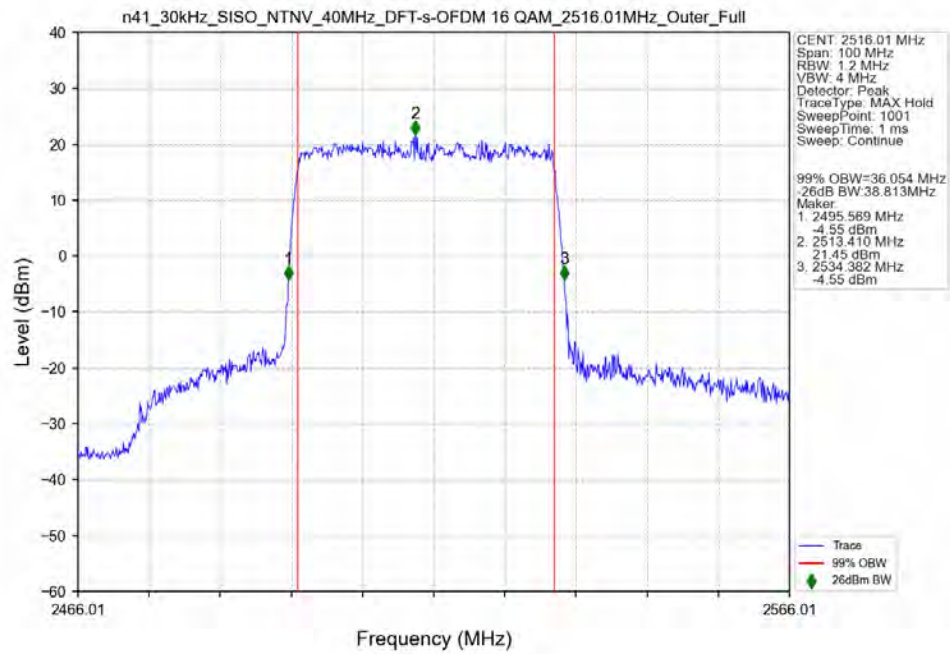
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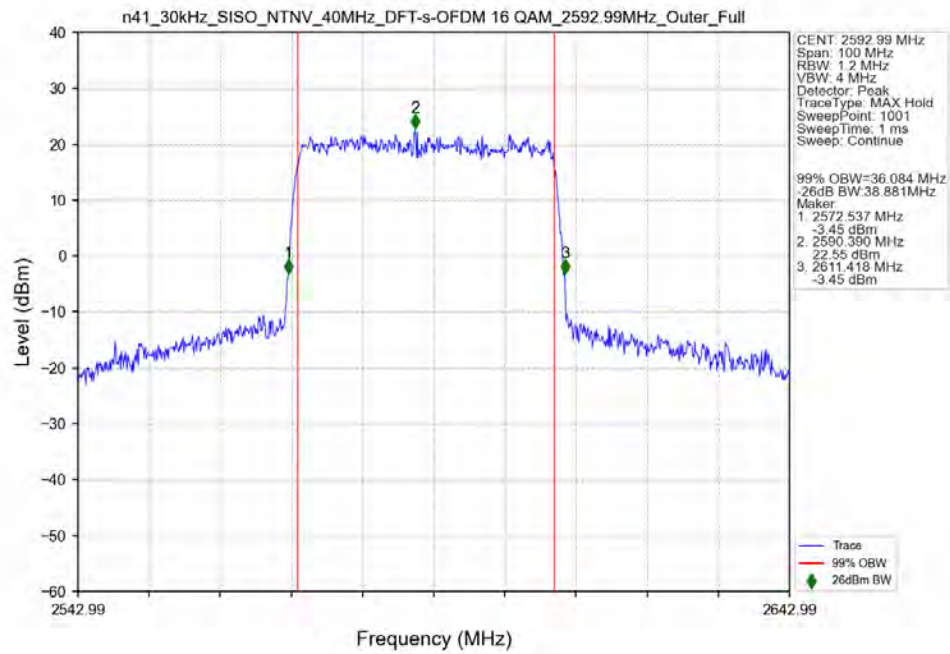
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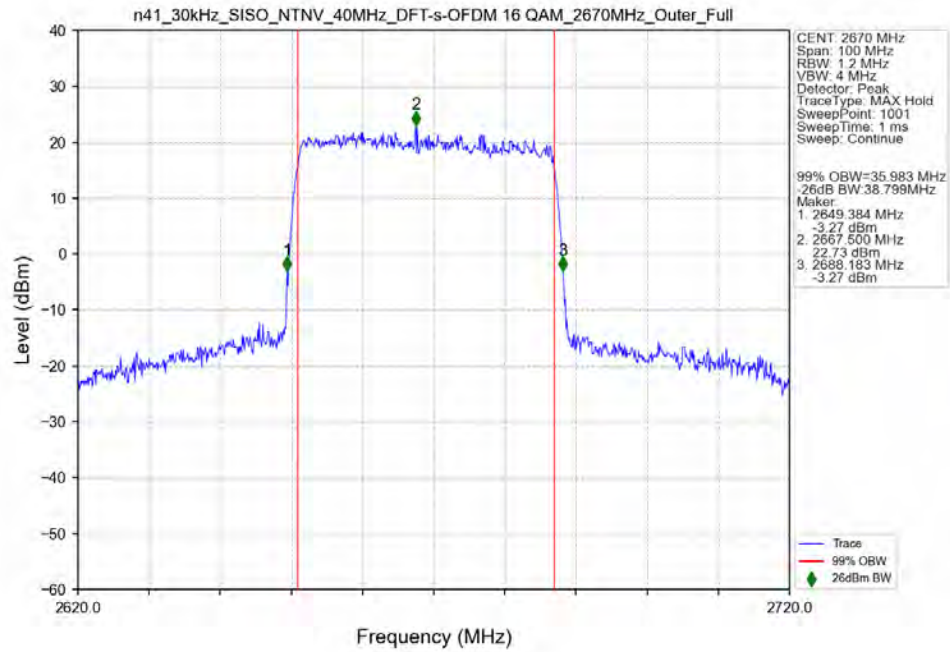
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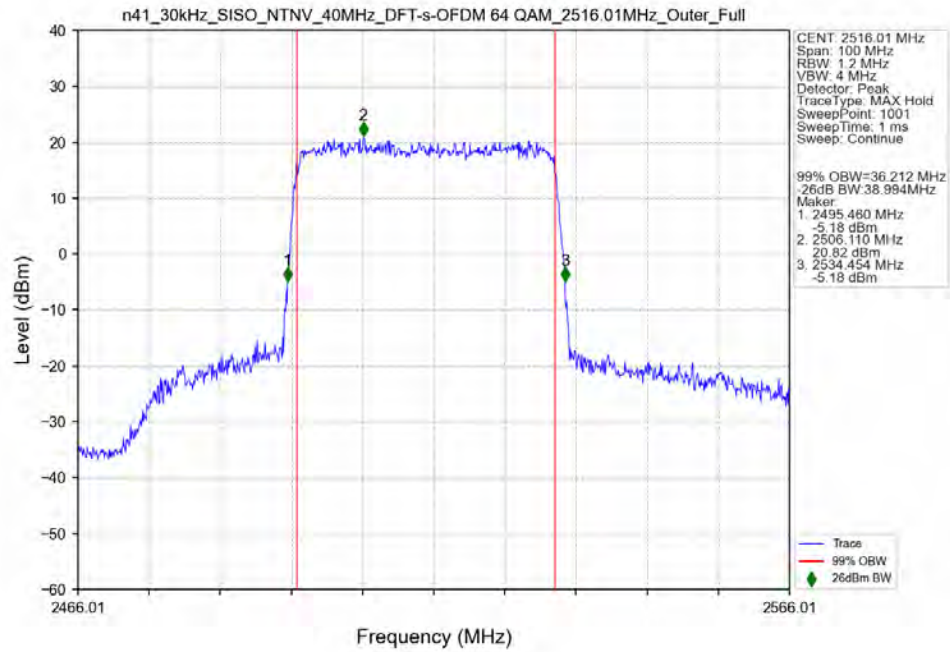
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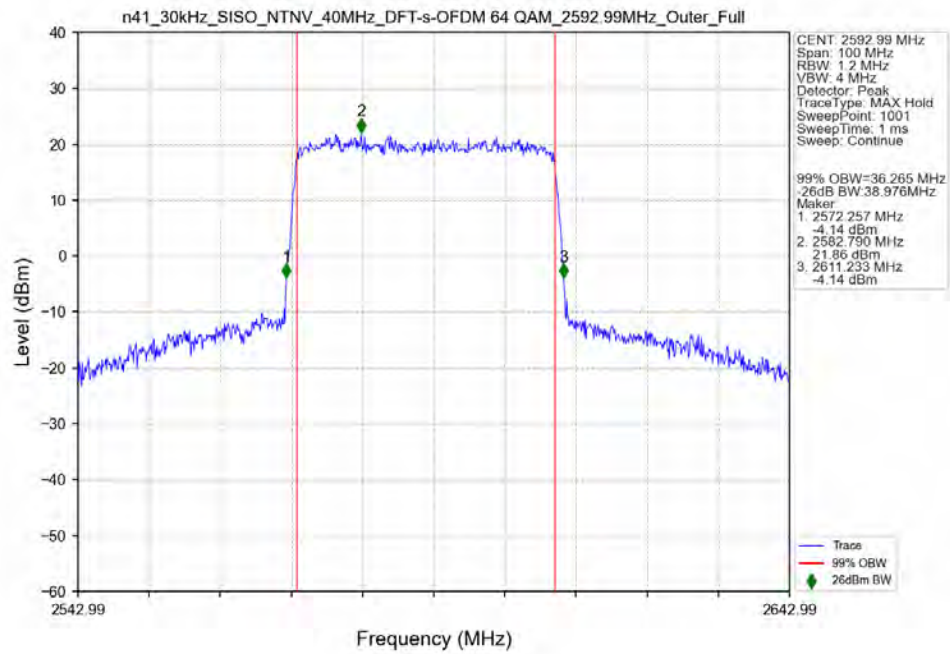
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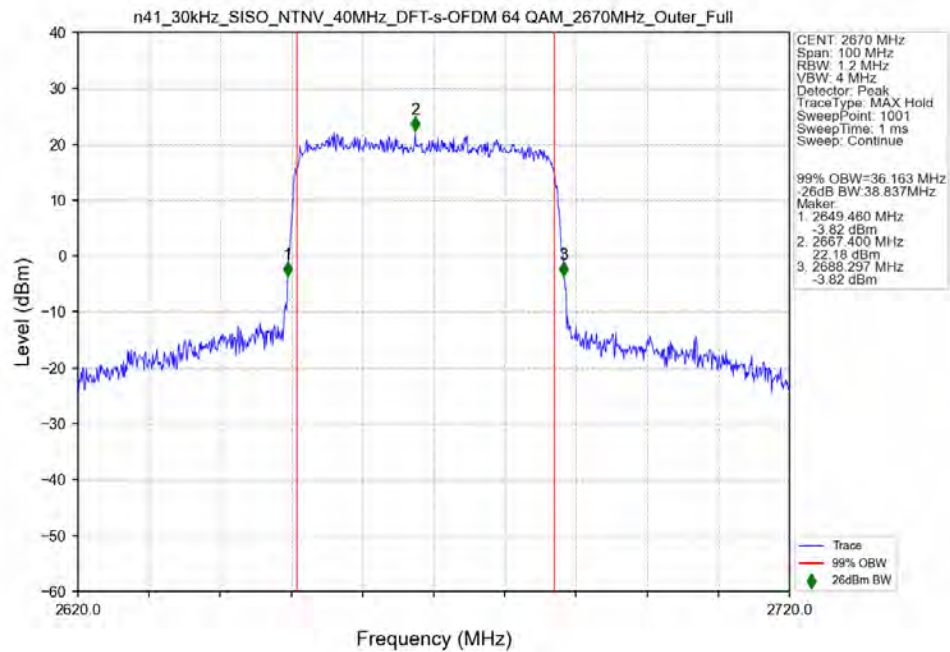
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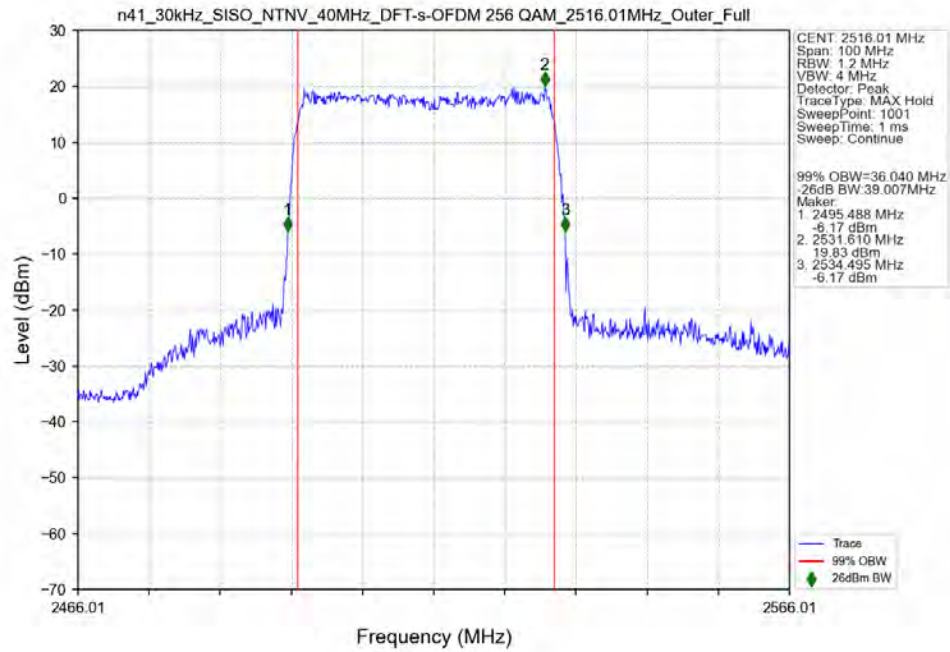
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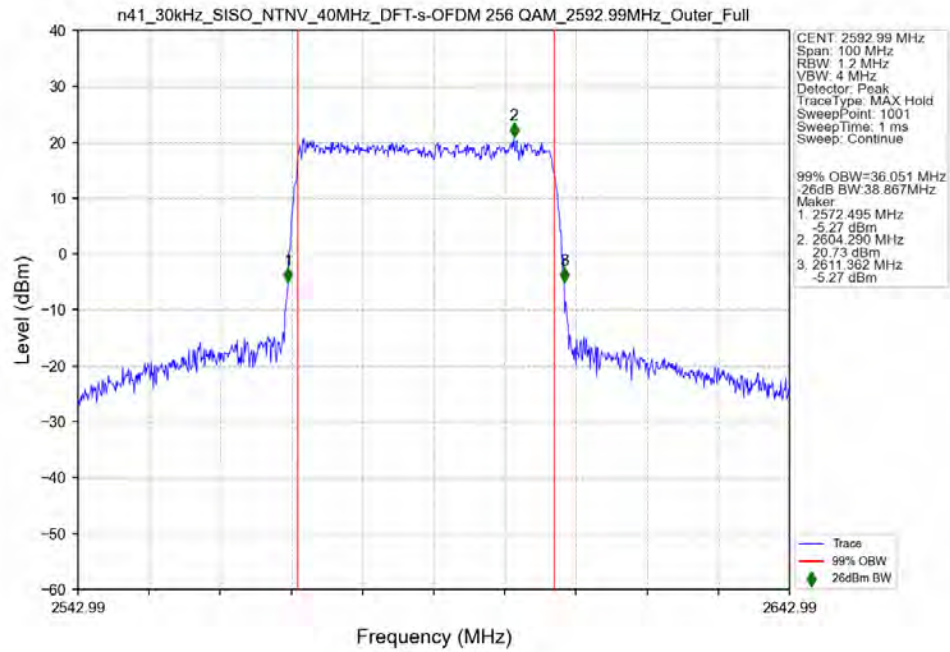
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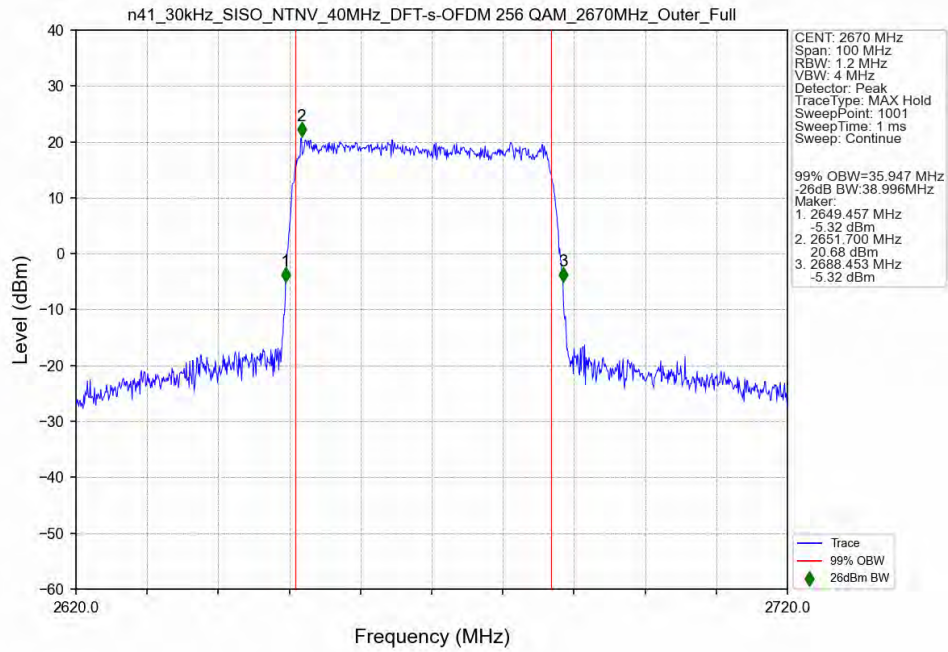
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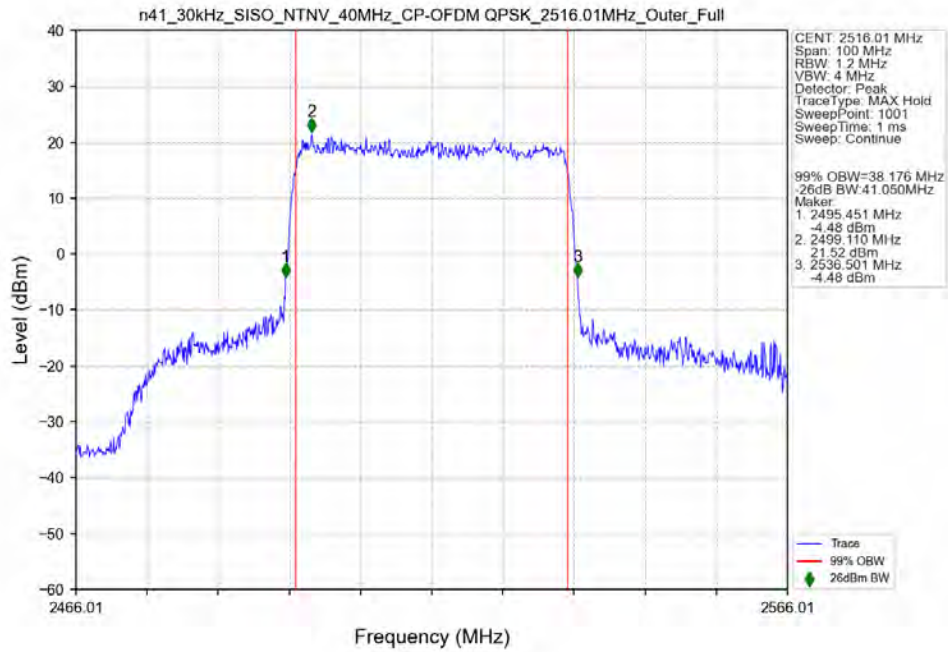
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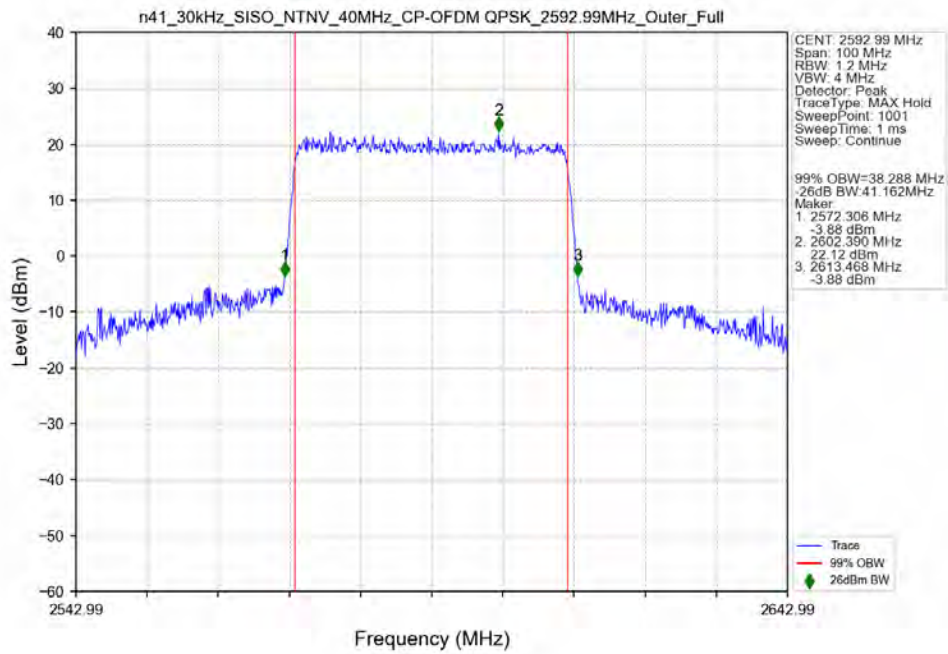
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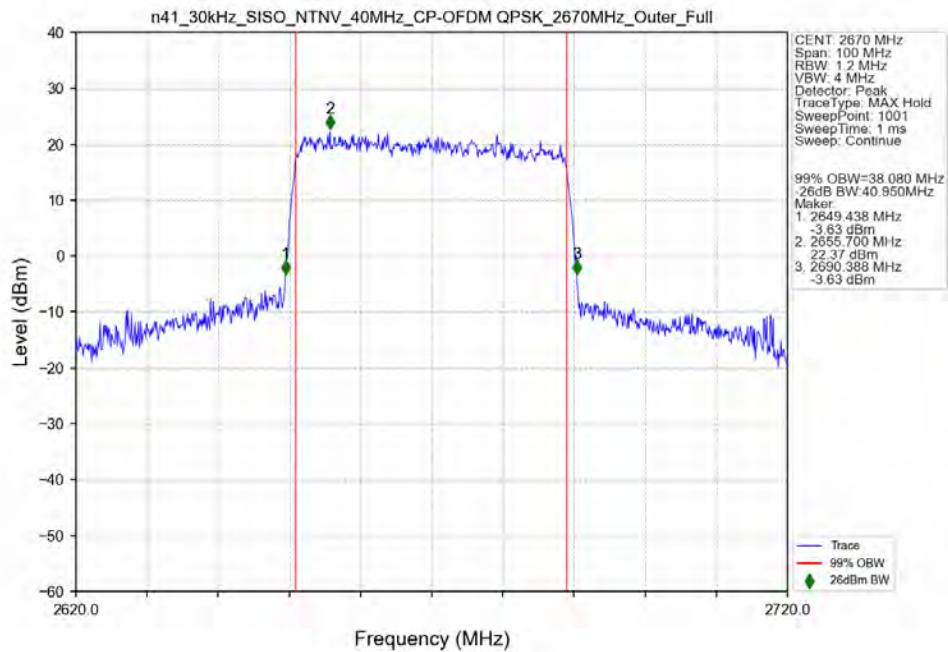
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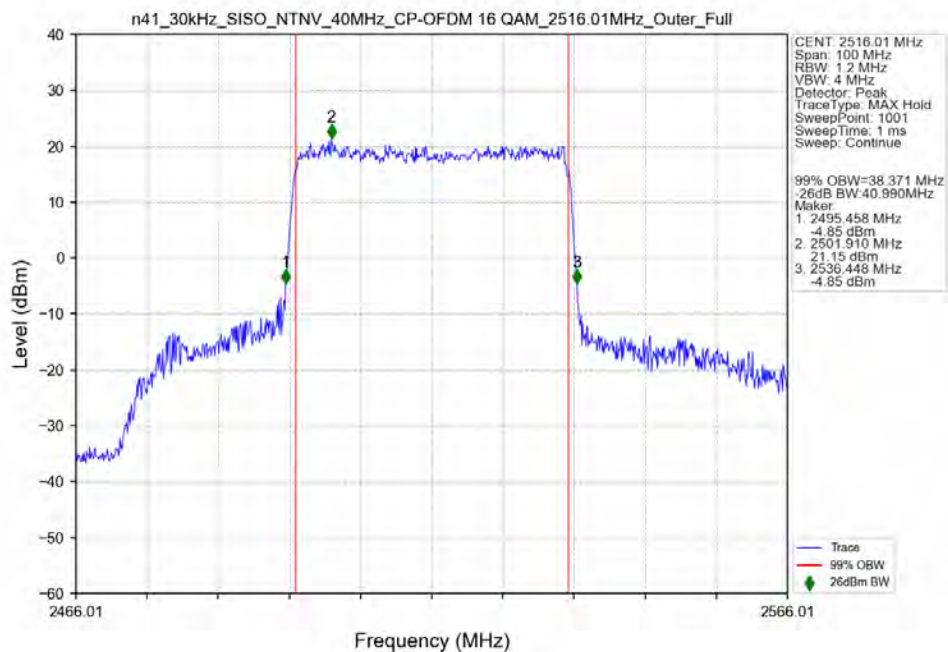
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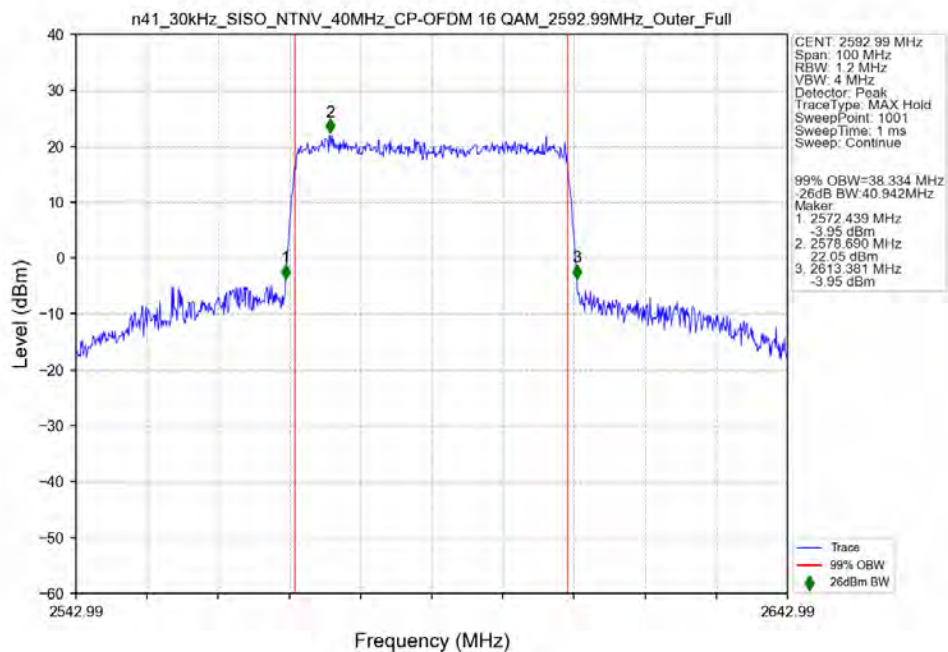
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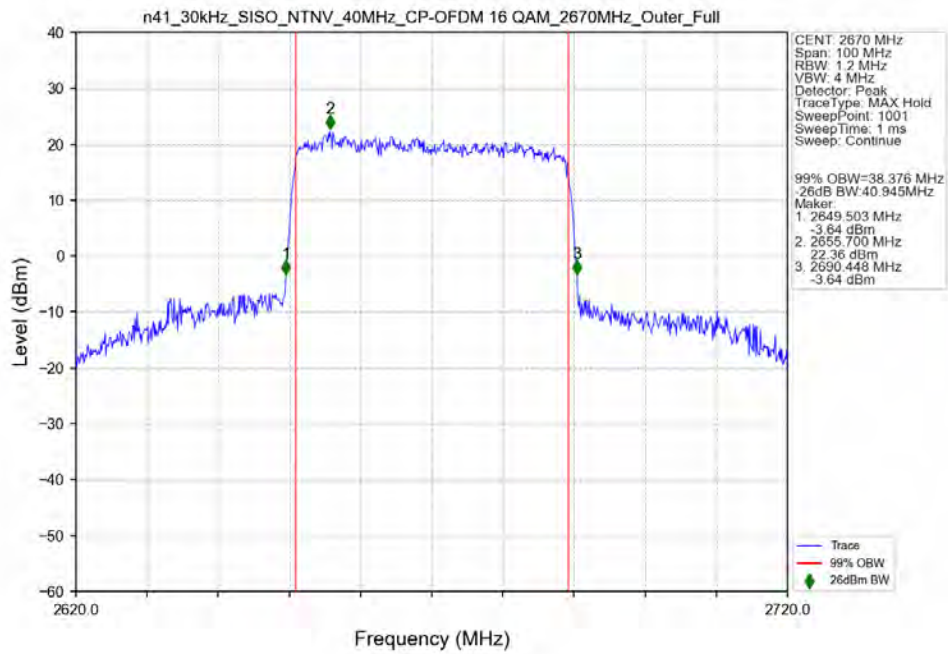
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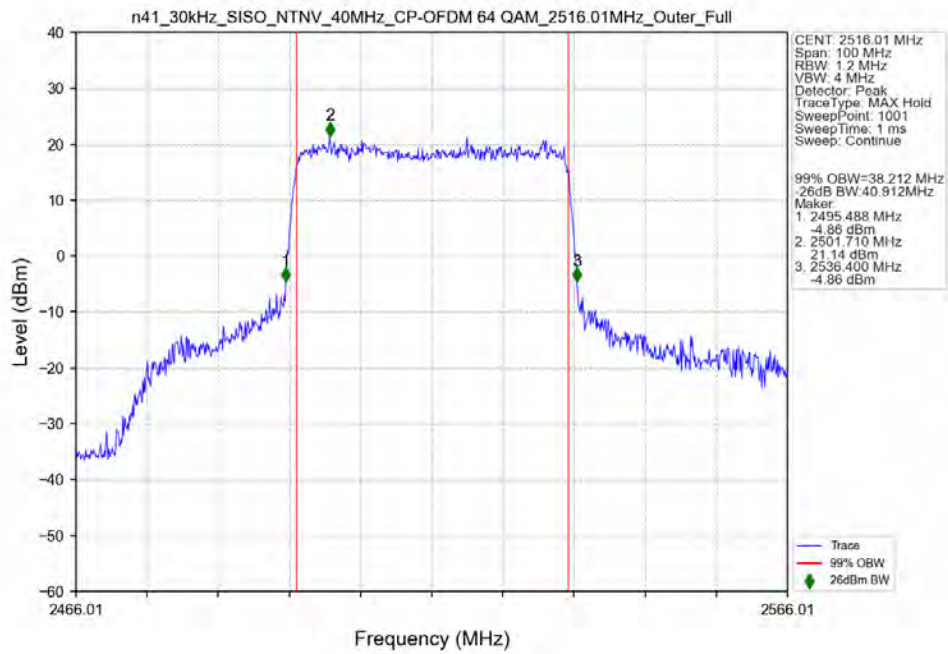
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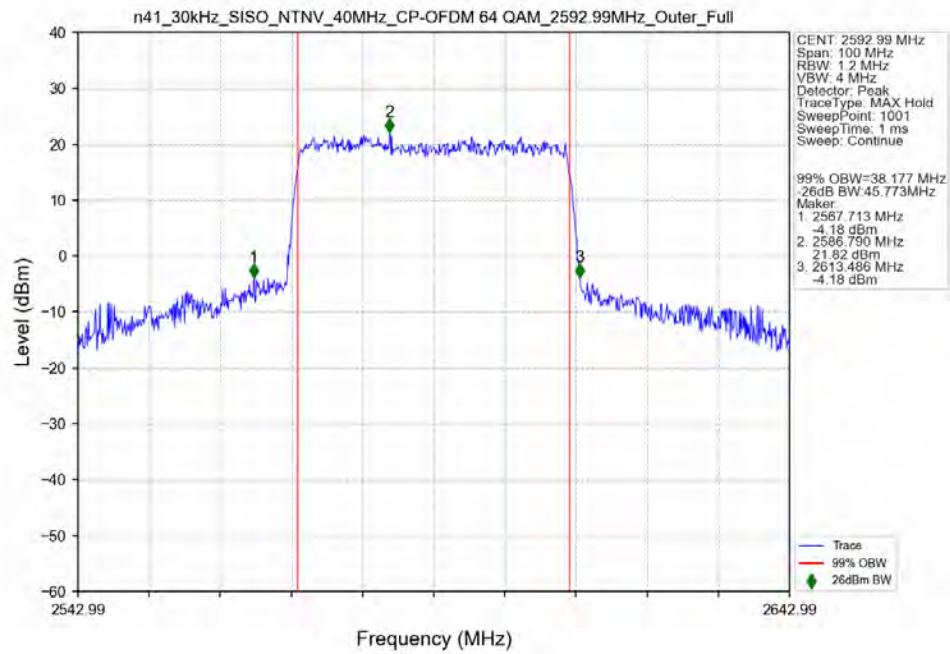
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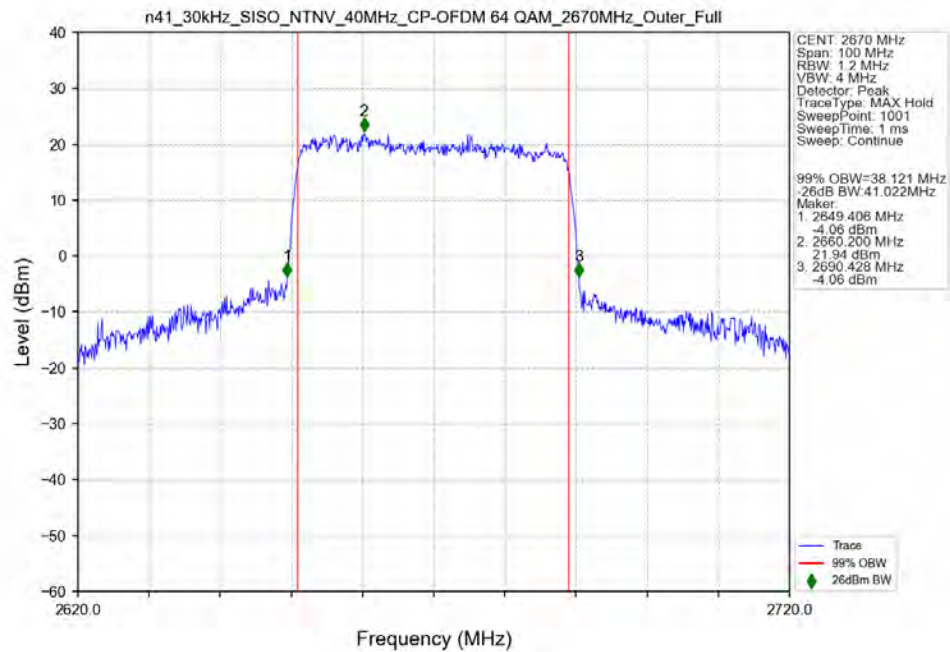
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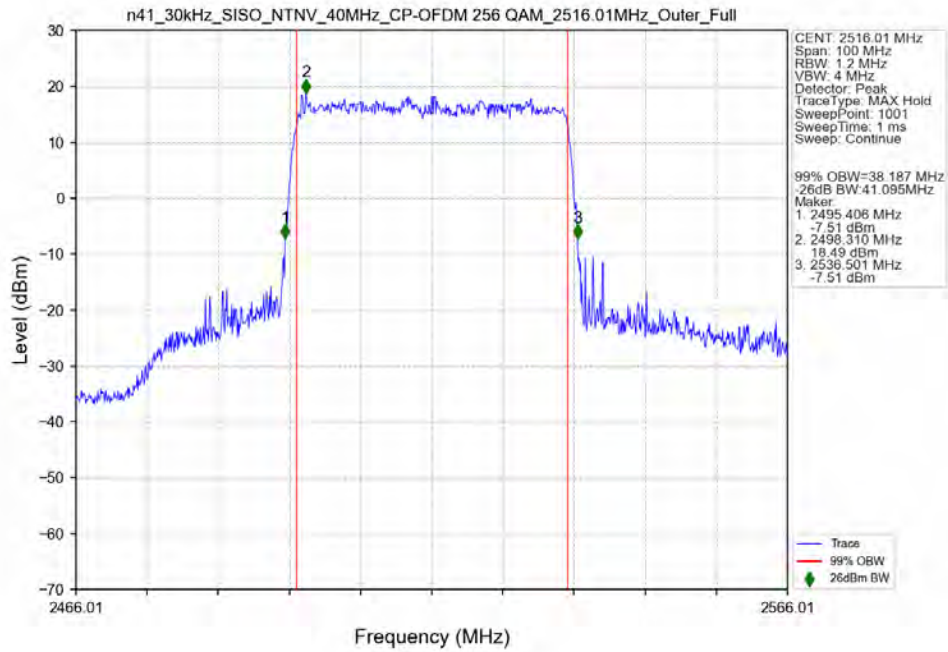
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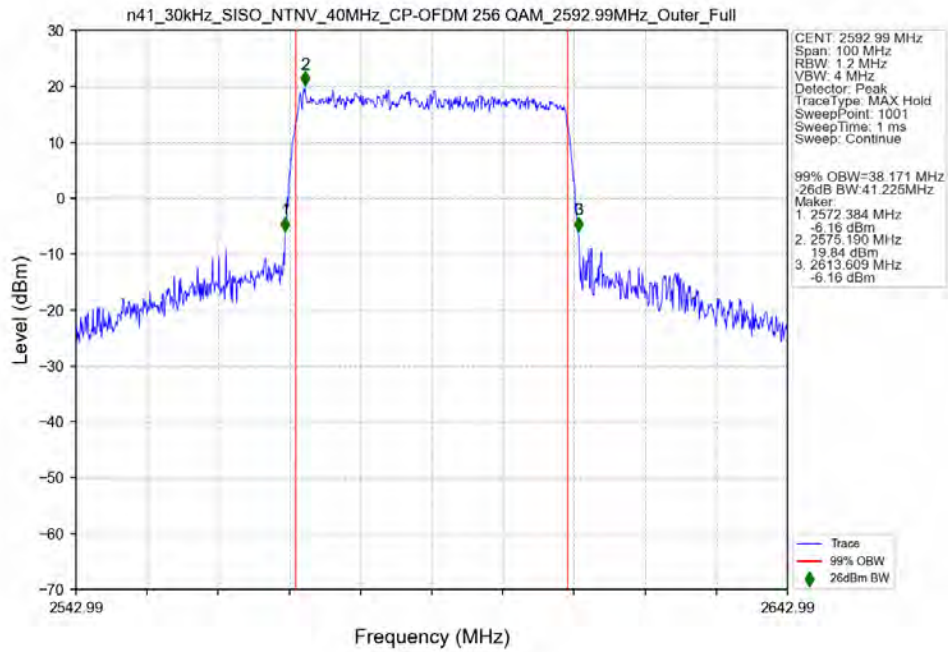
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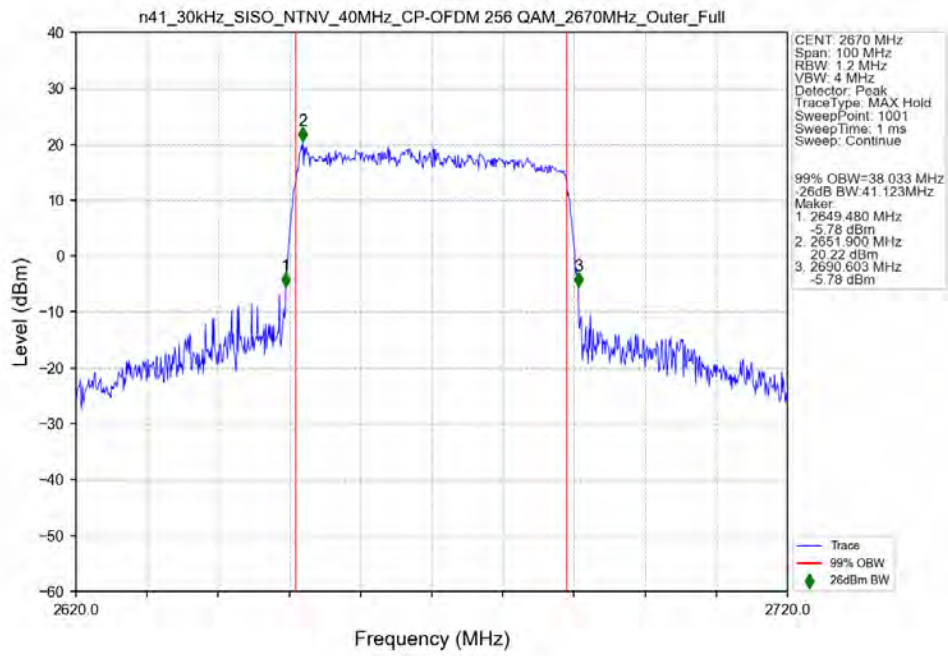
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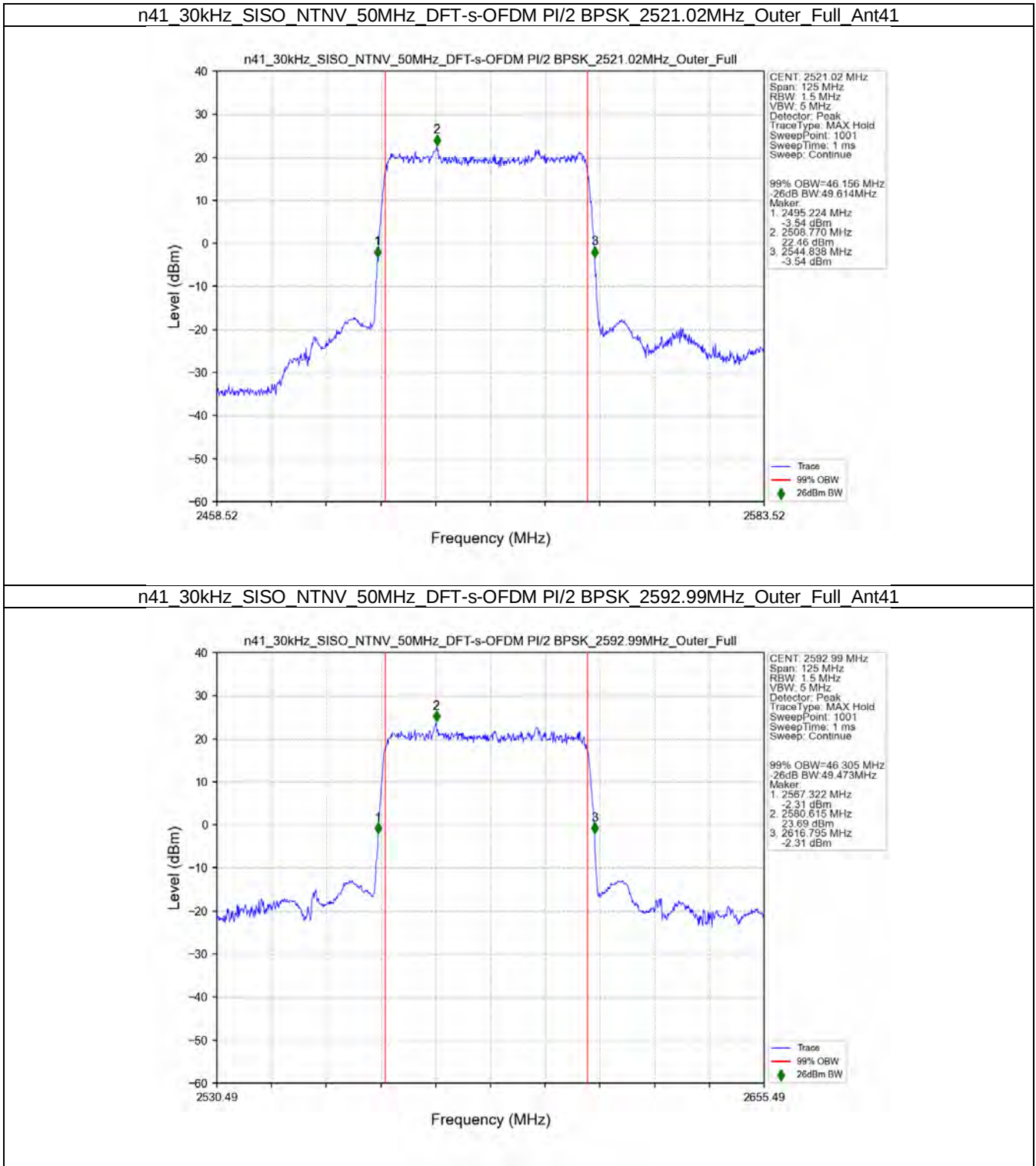
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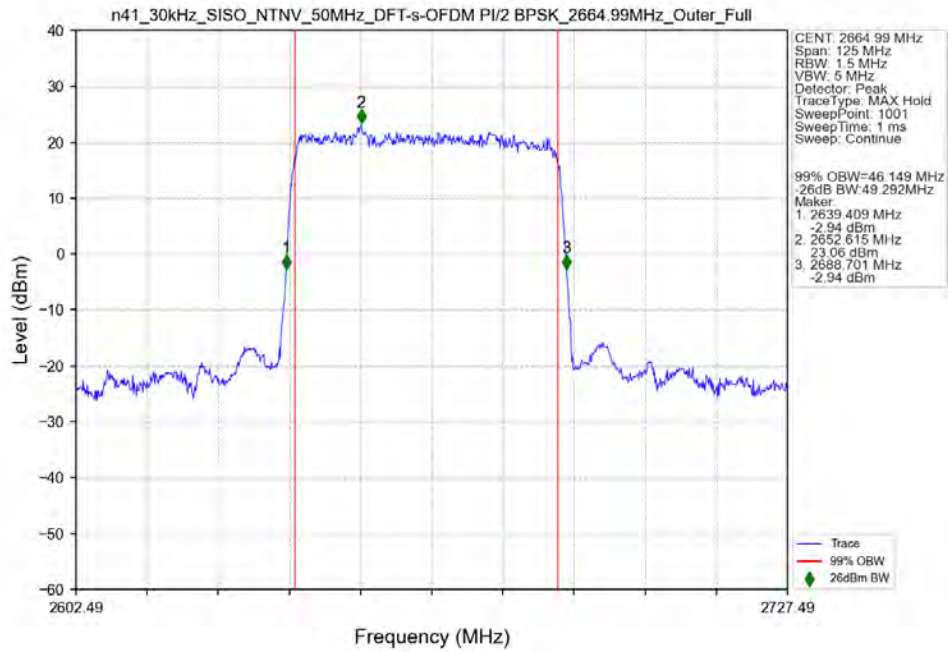
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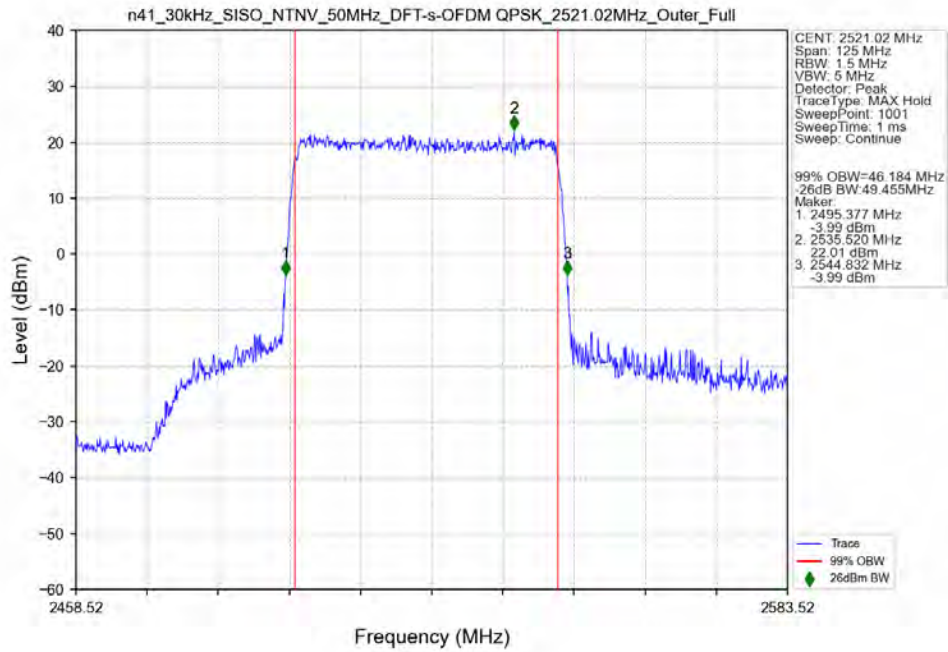
3.2.6 30k_SISO_50MHz_NTNV



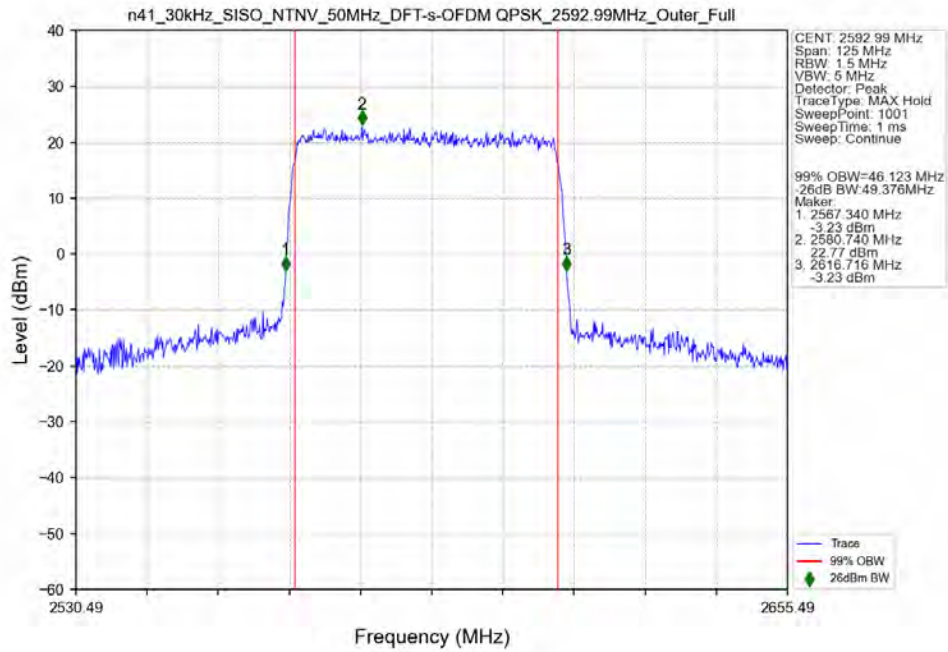
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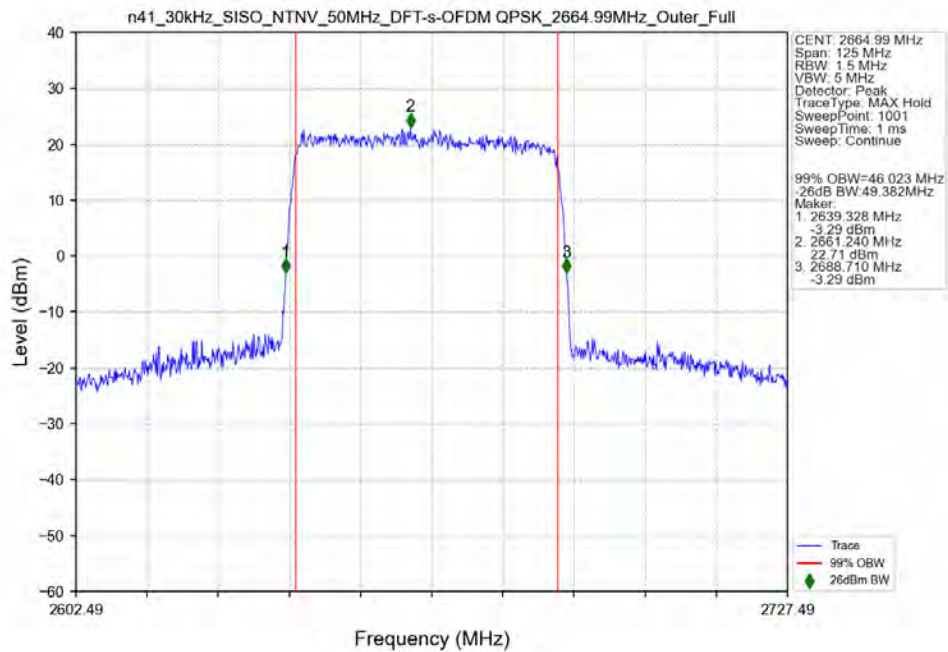
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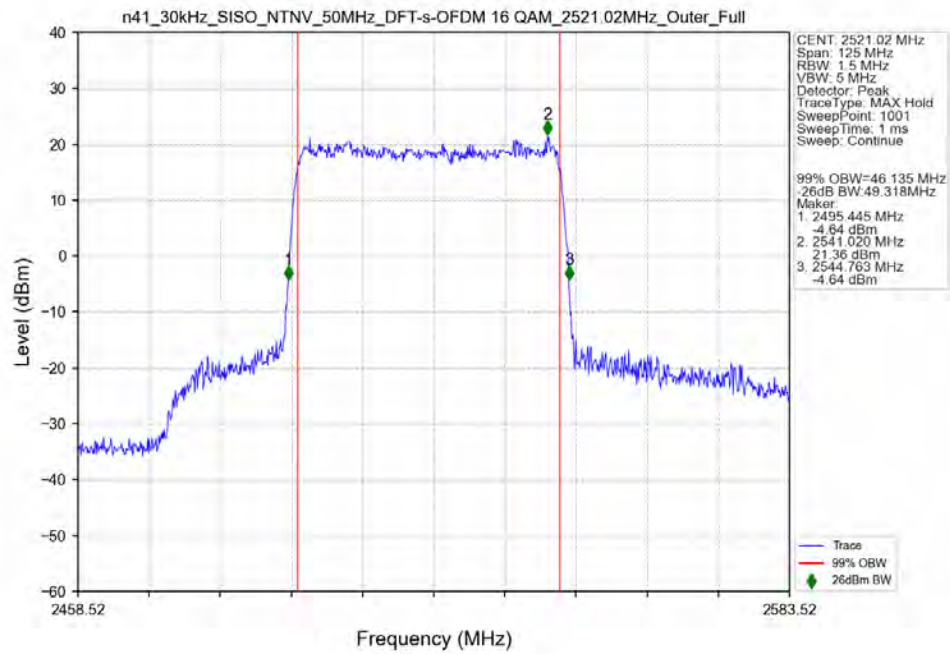
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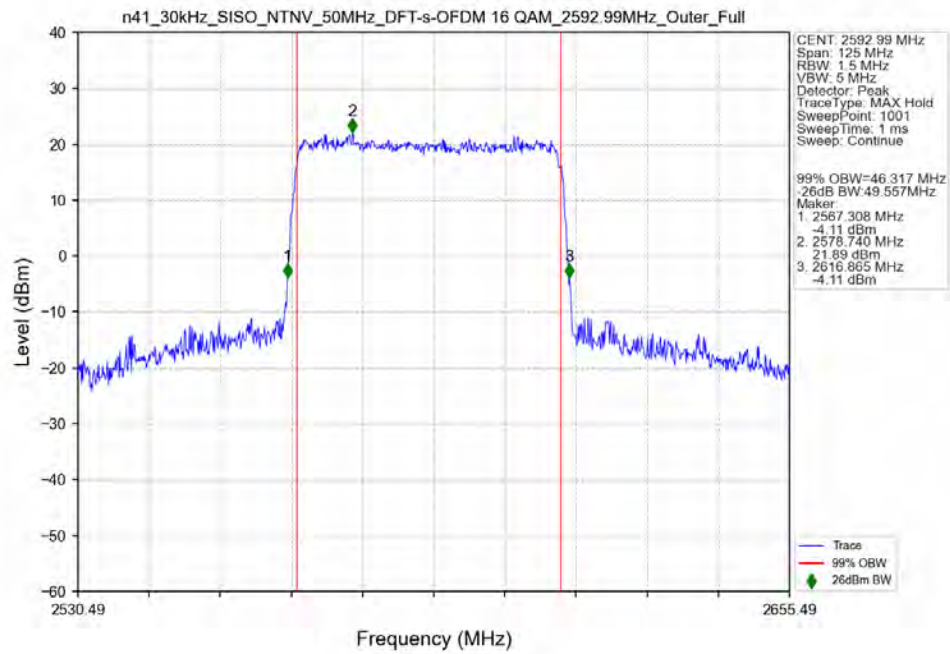
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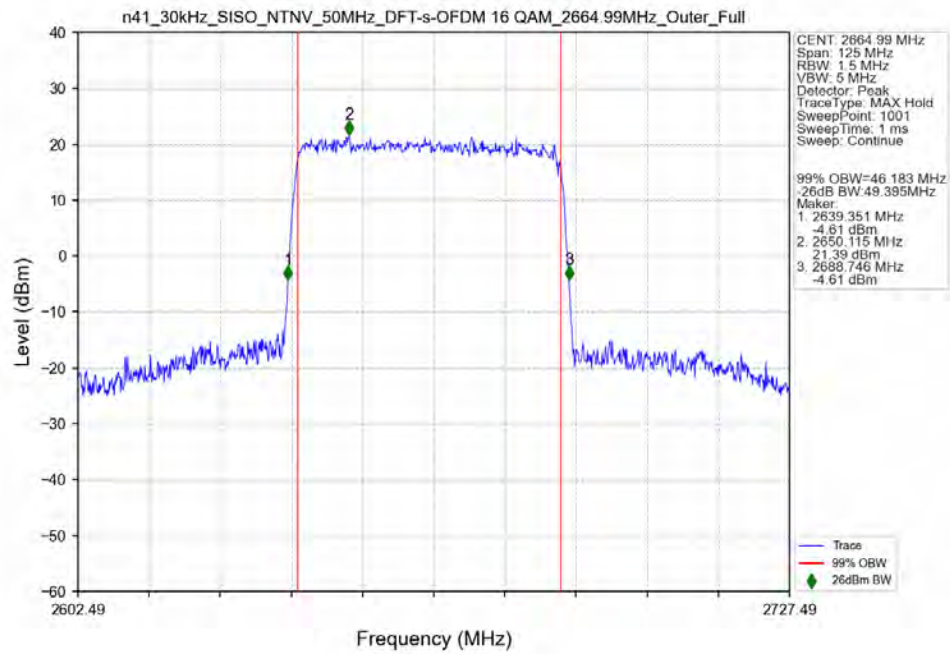
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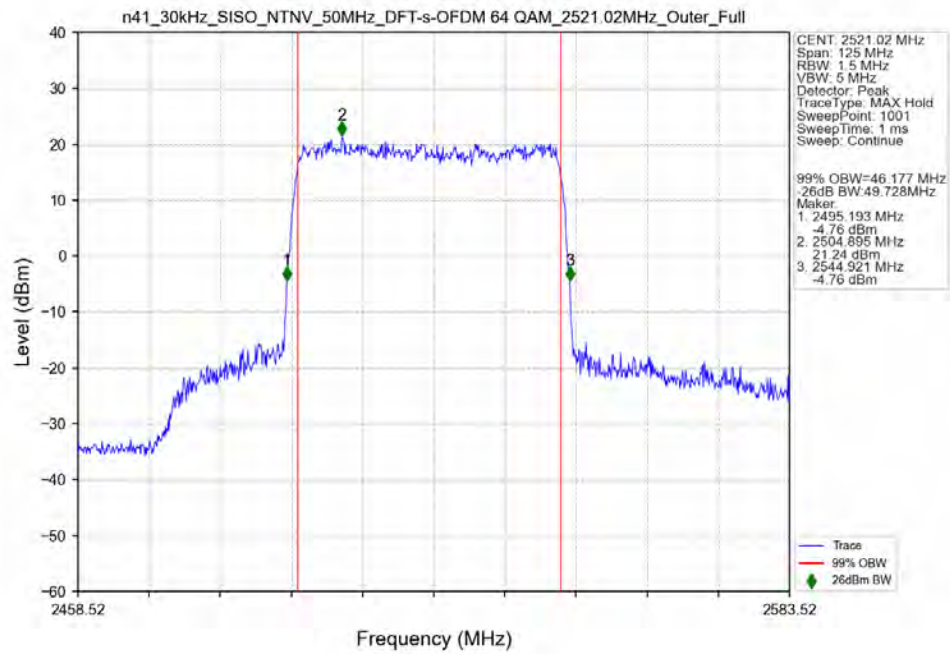
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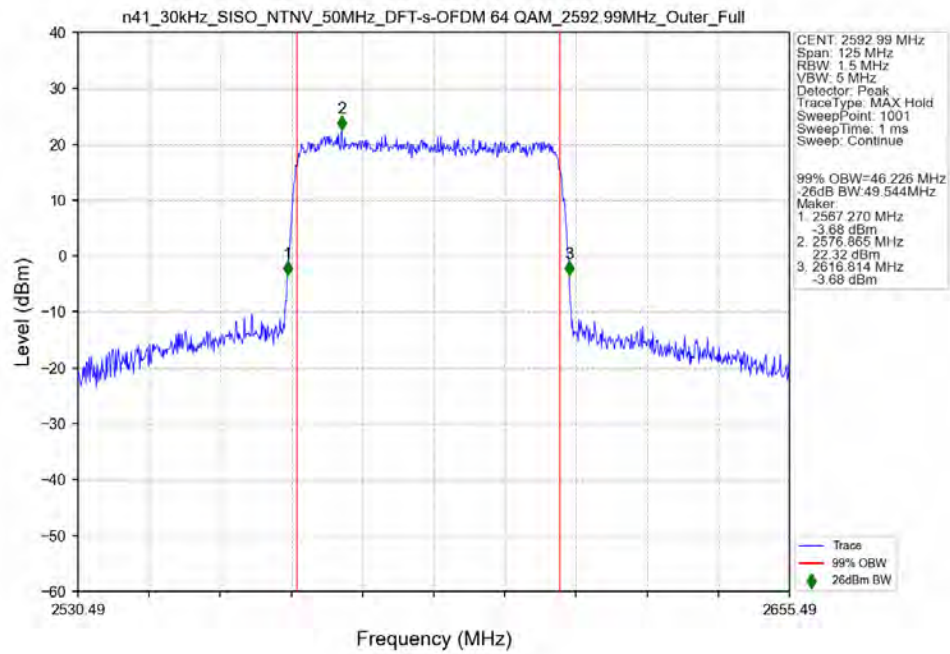
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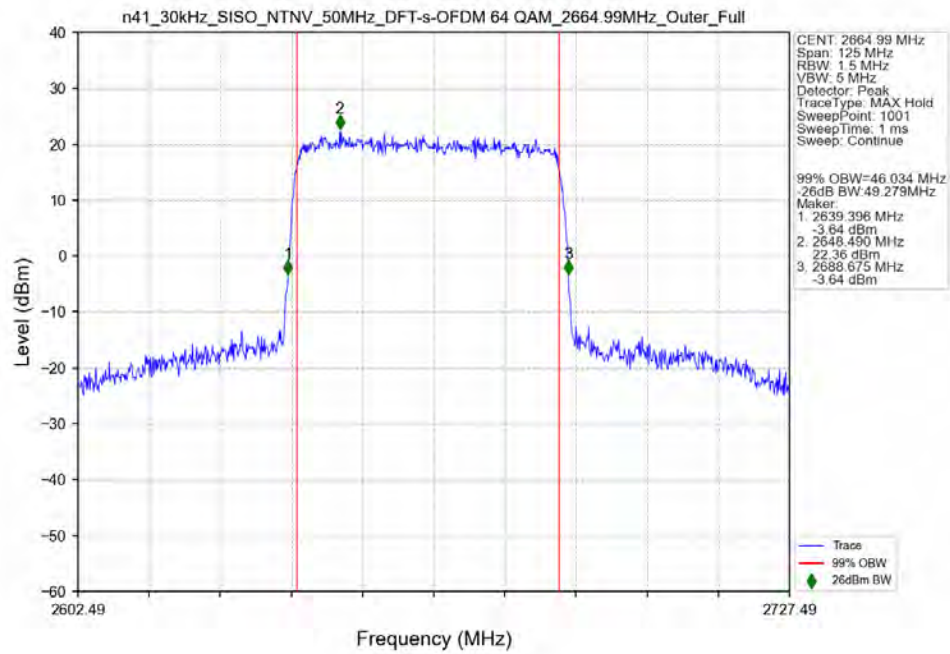
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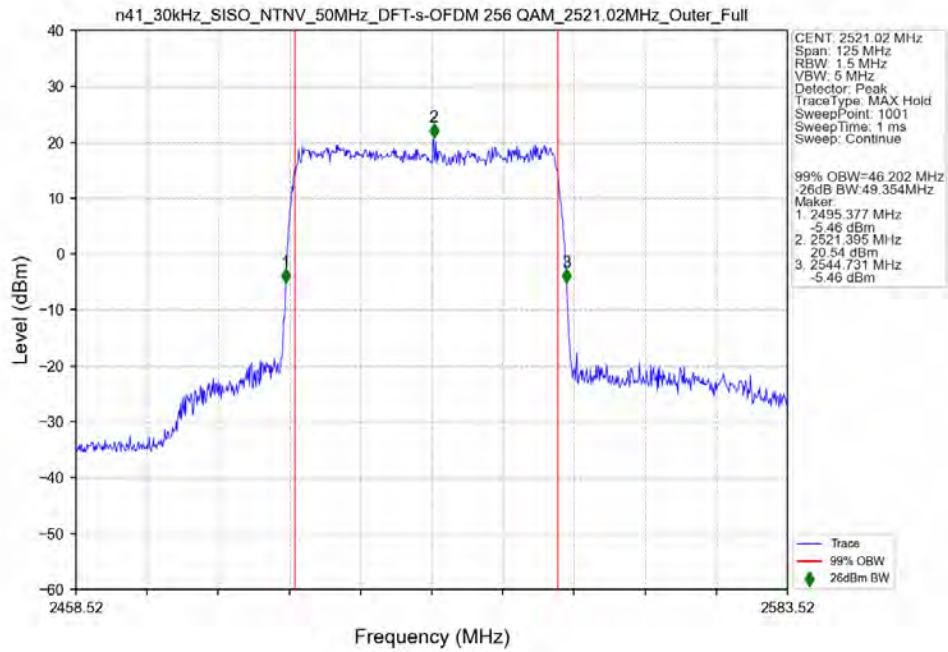
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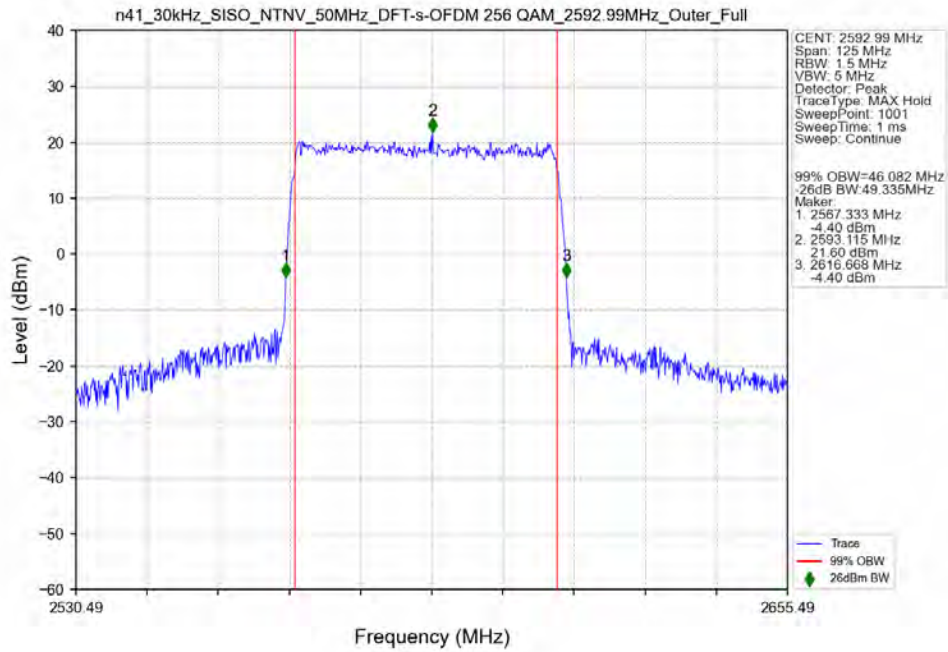
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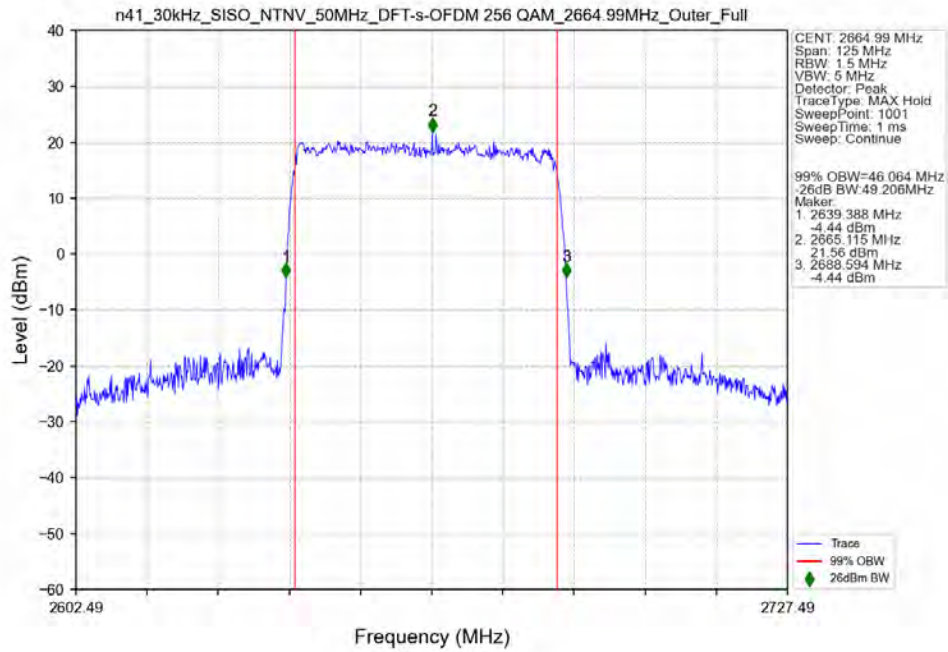
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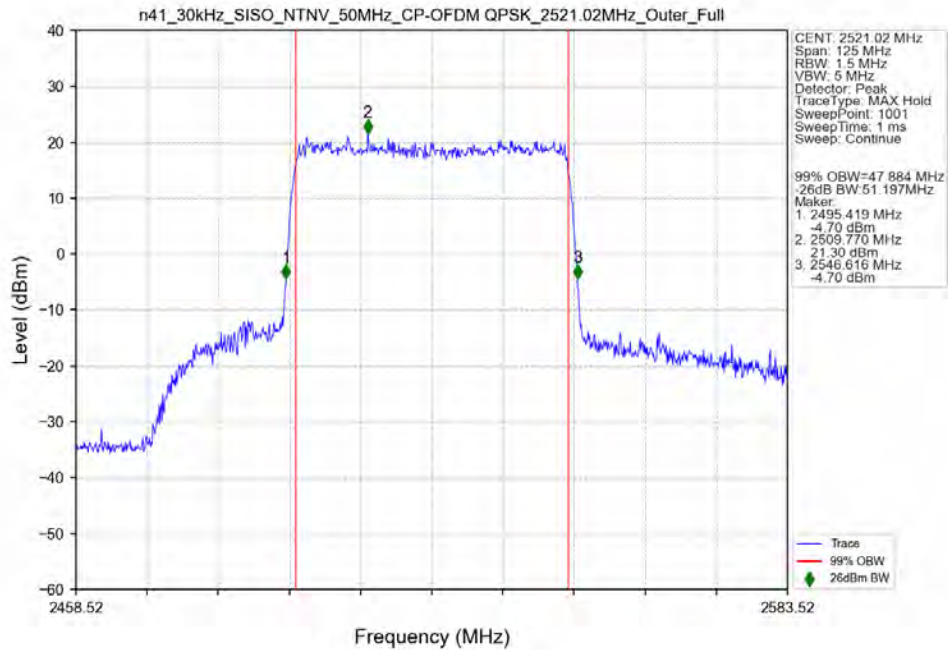
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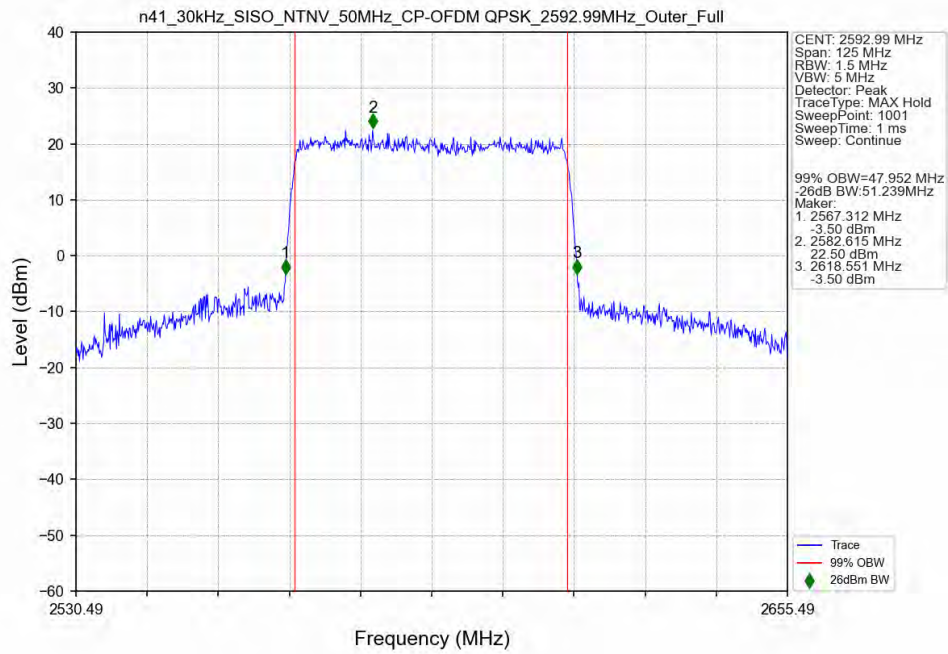
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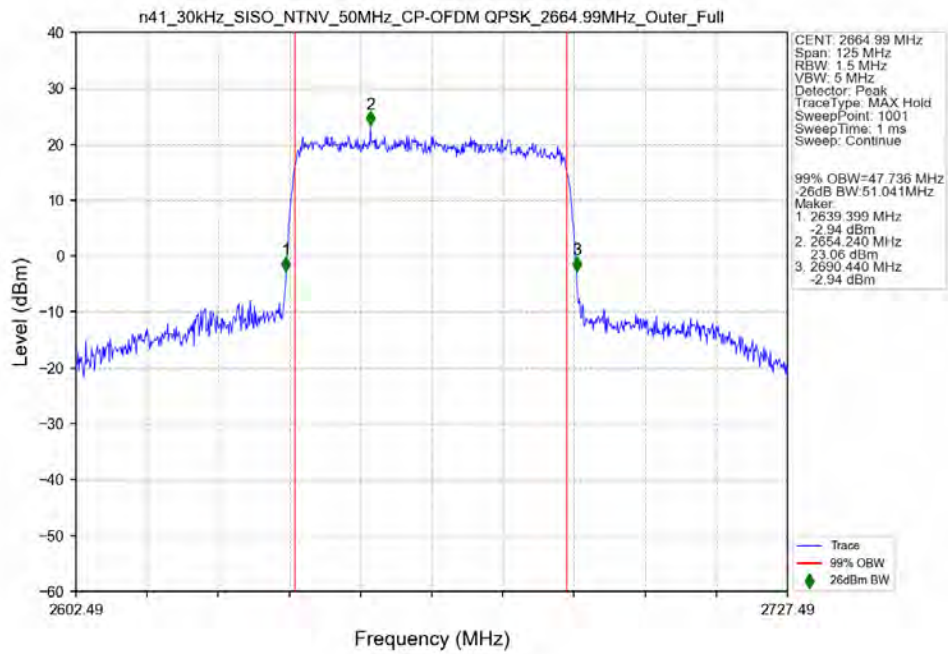
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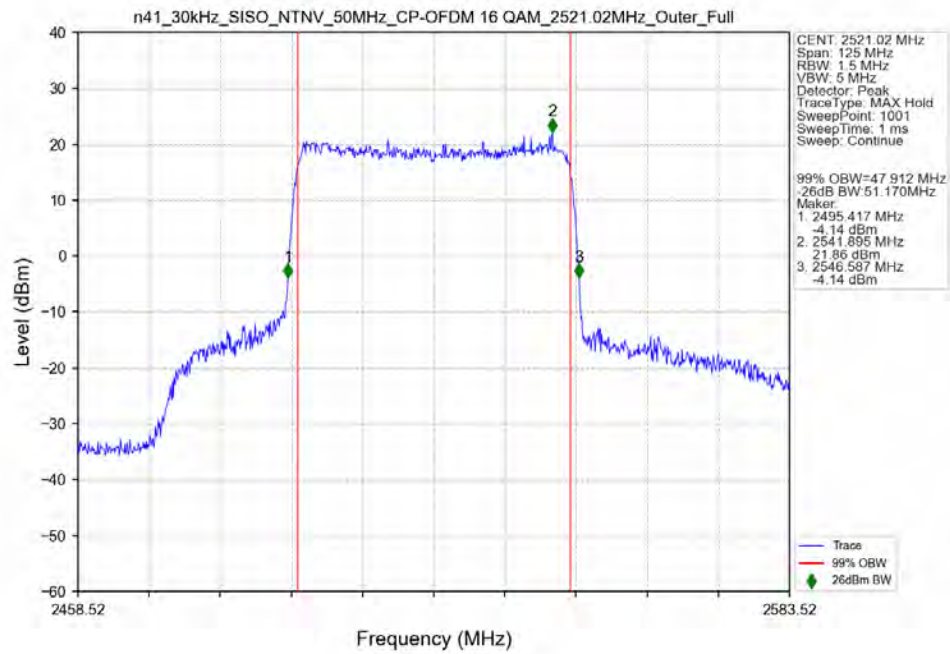
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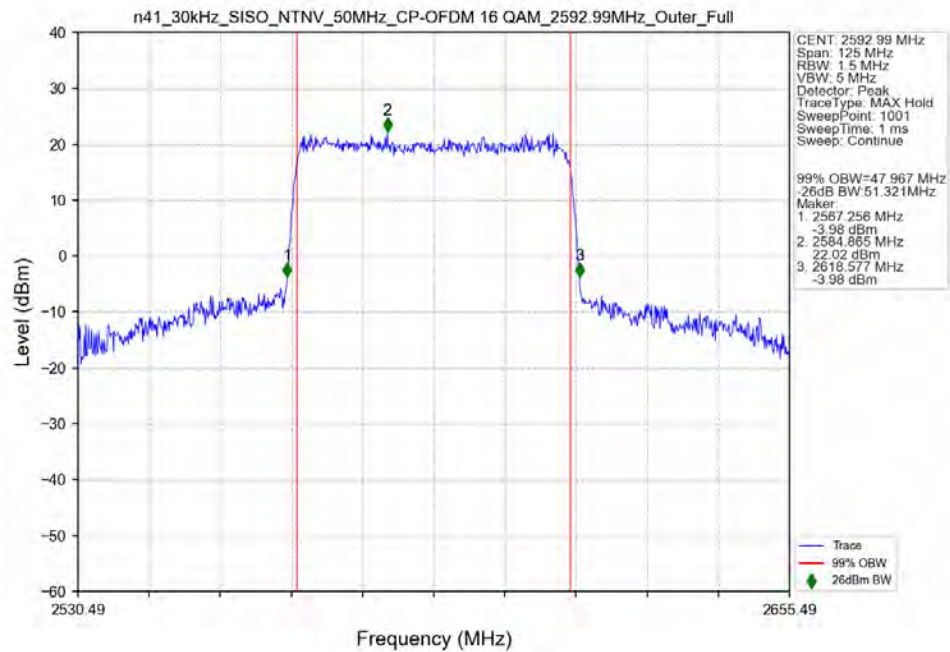
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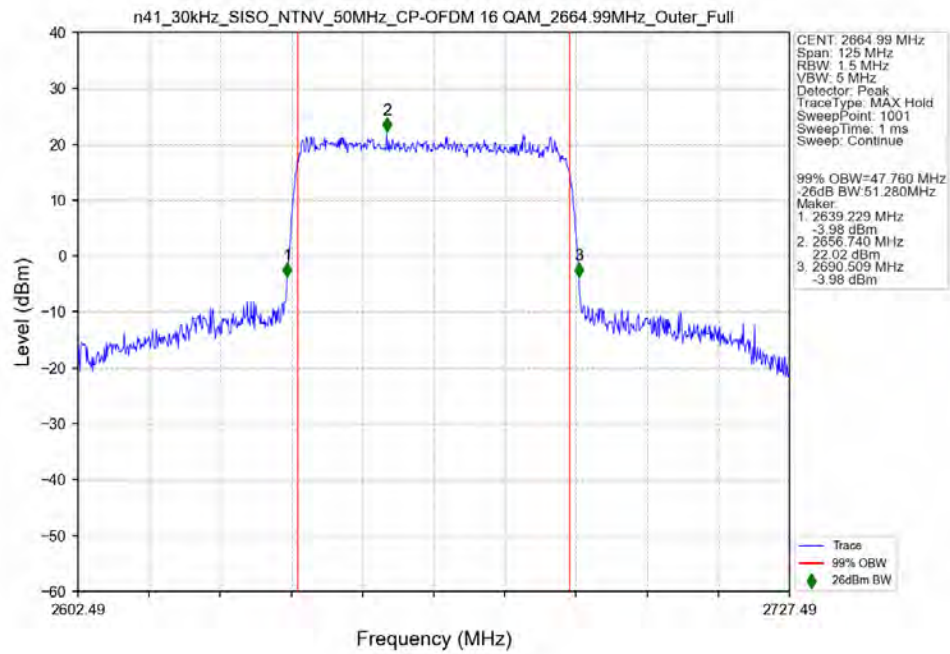
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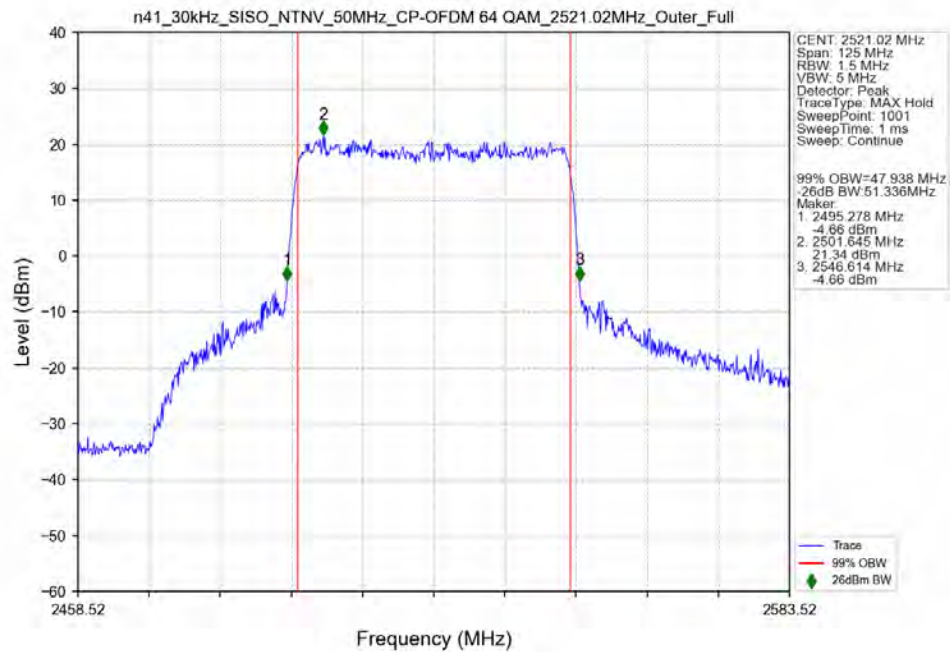
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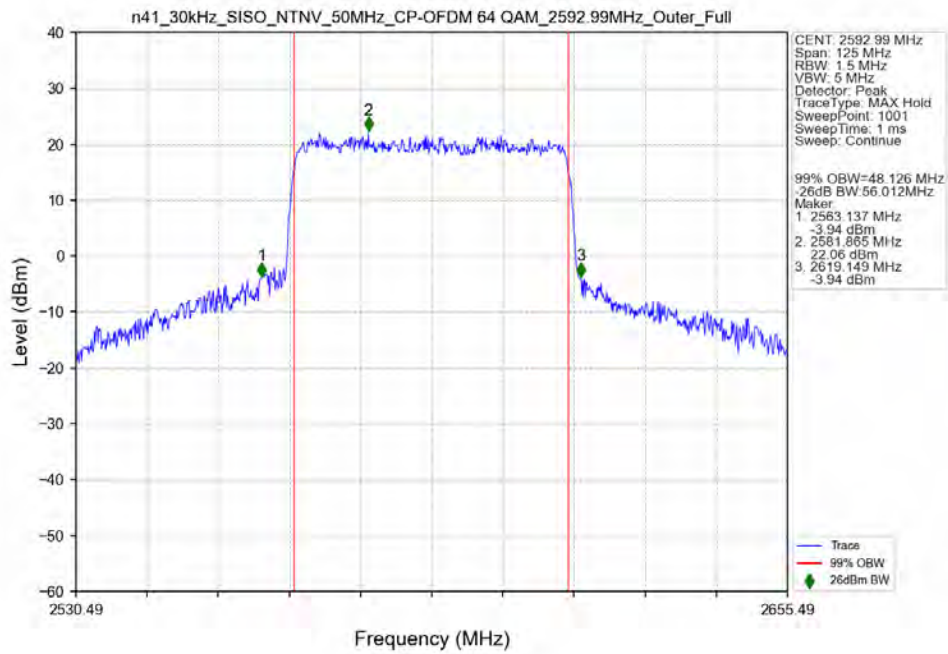
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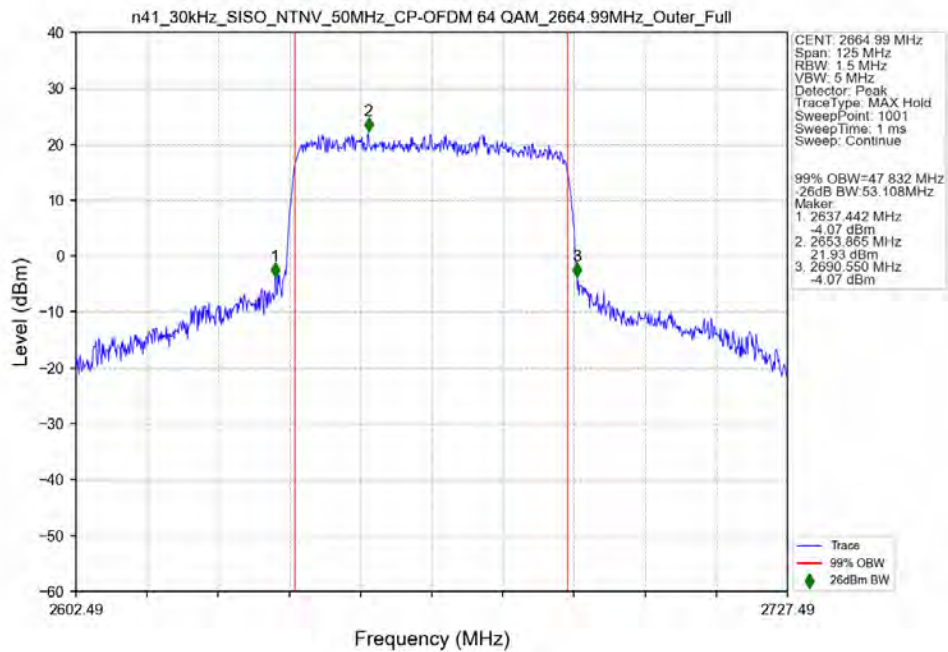
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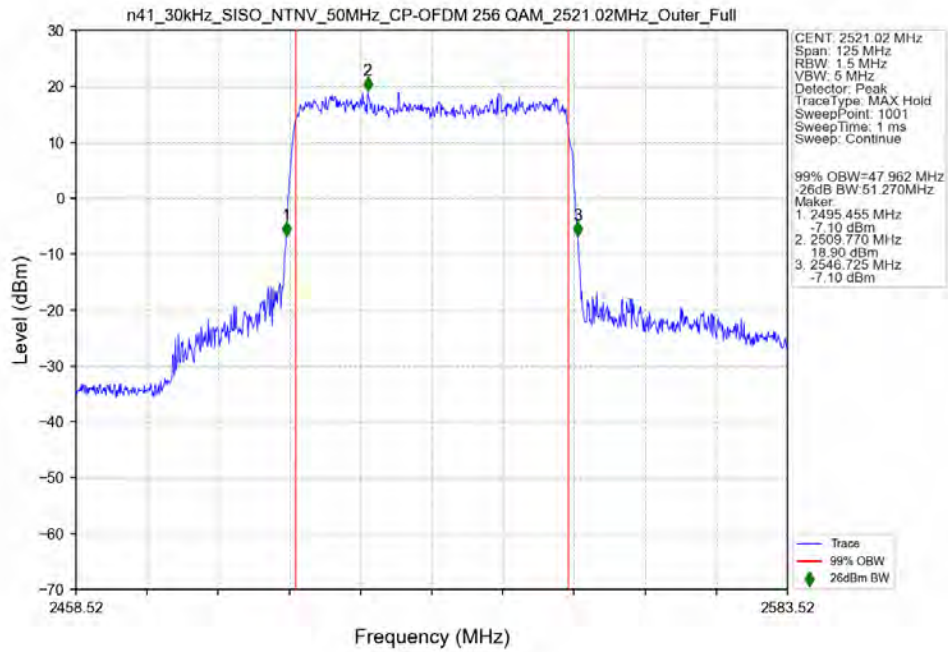
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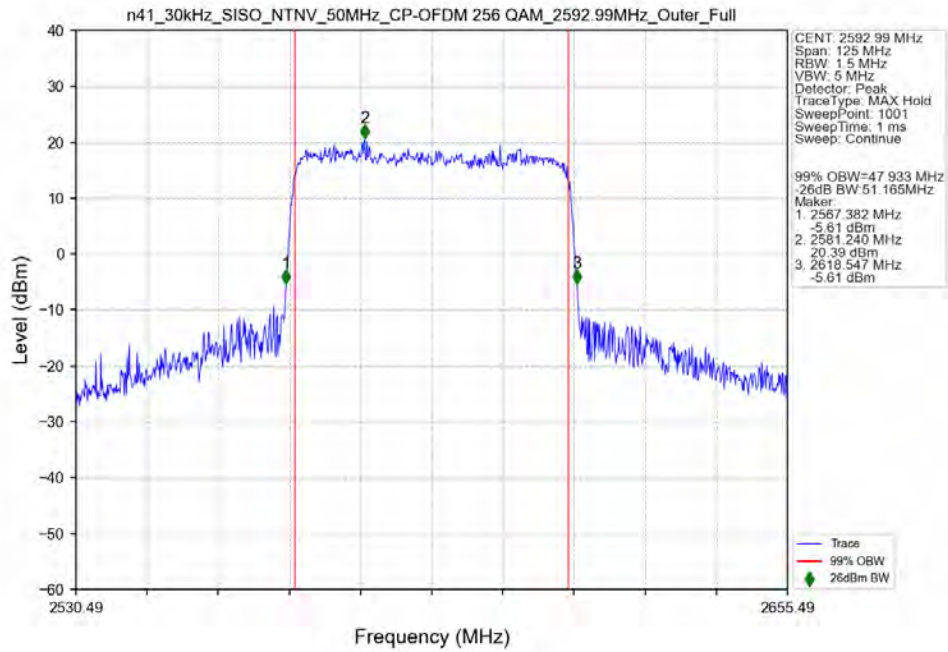
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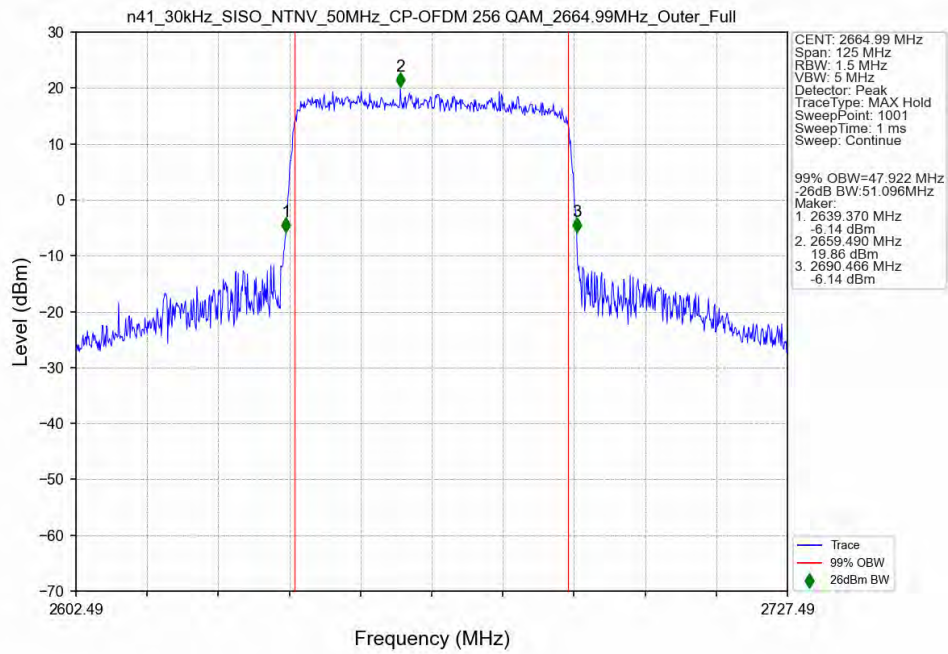
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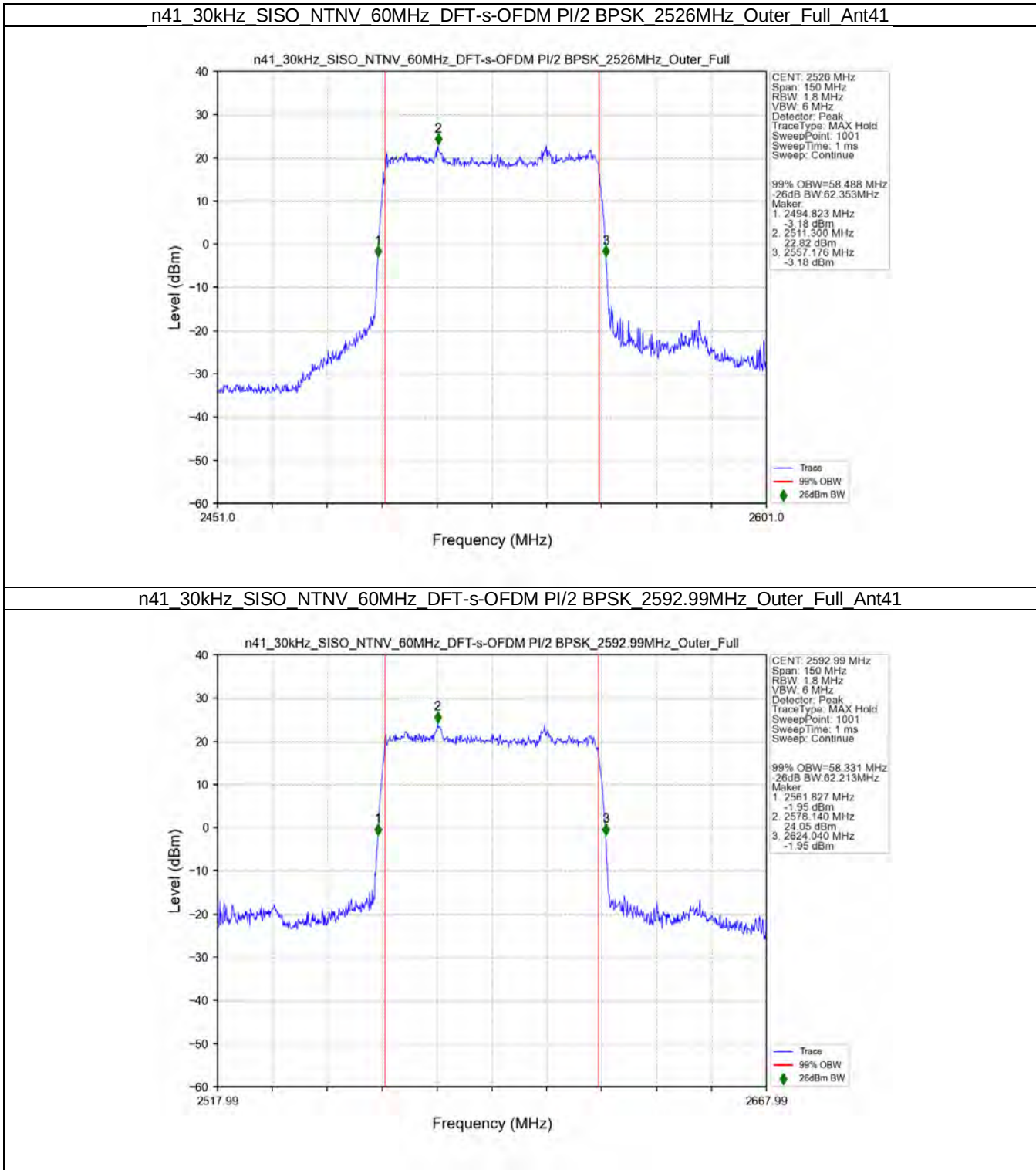
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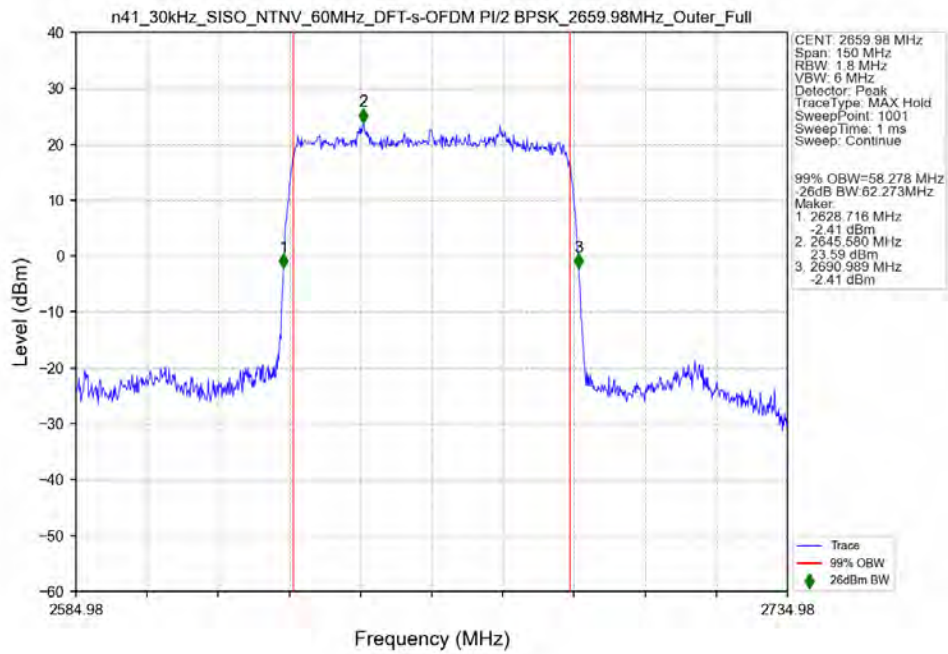
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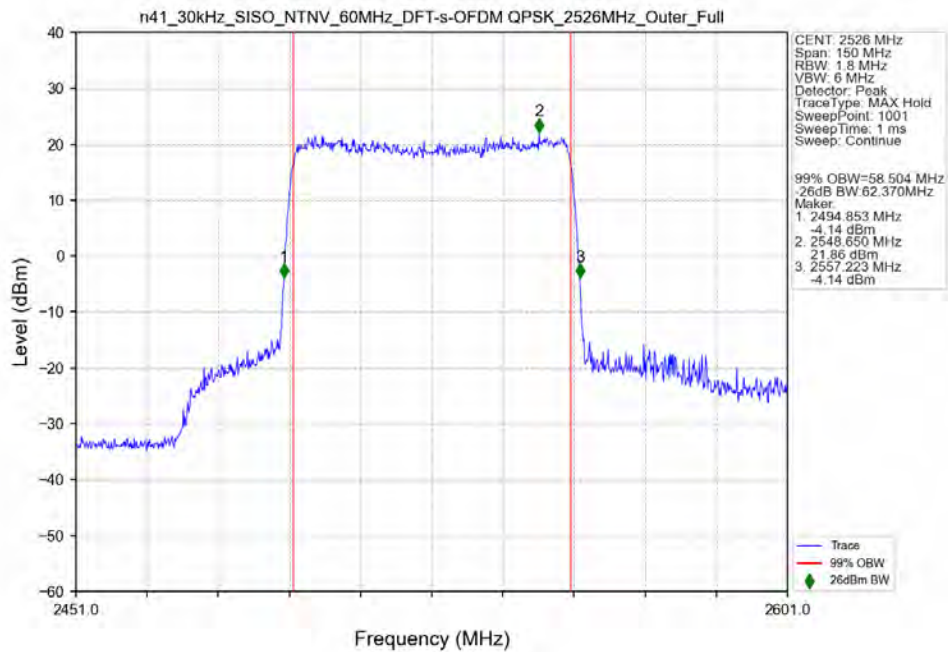
3.2.7 30k_SISO_60MHz_NTNV



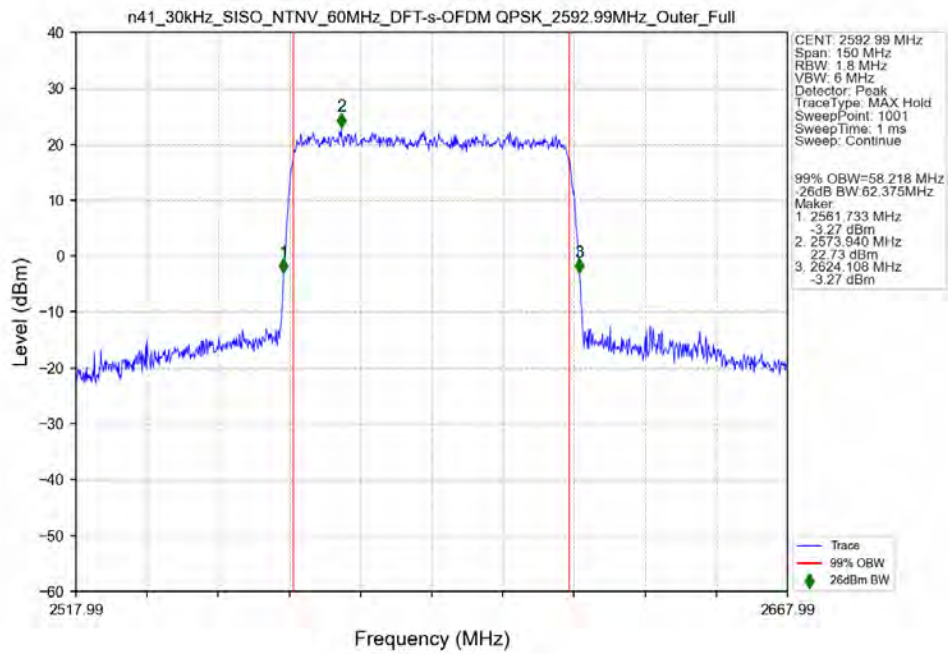
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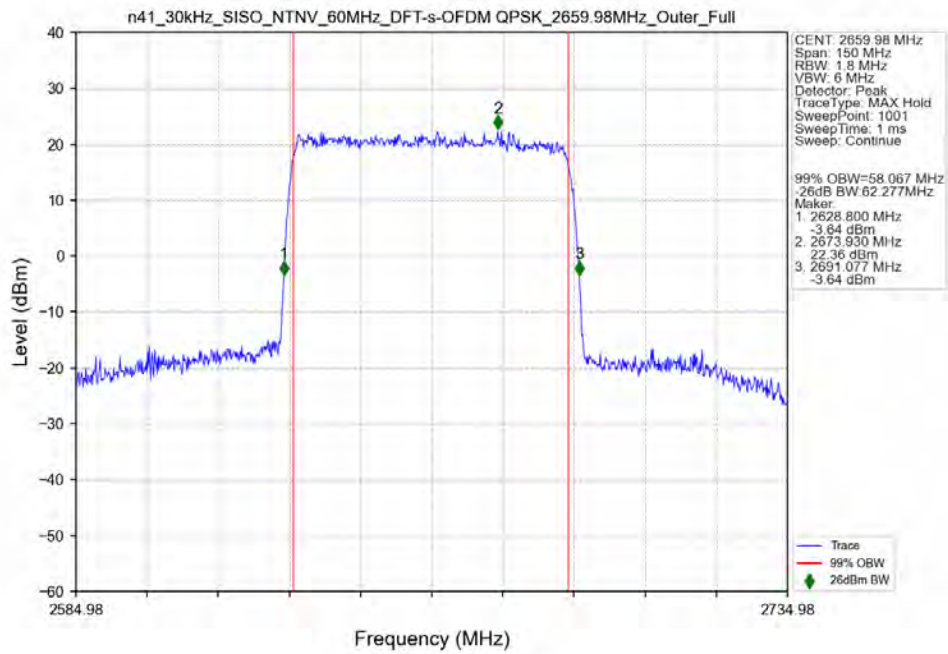
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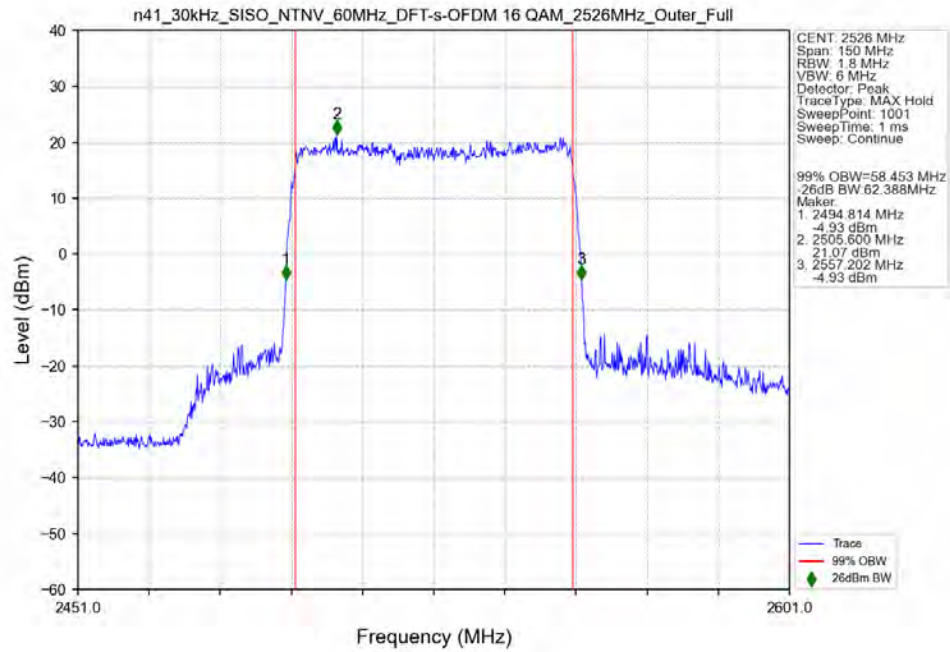
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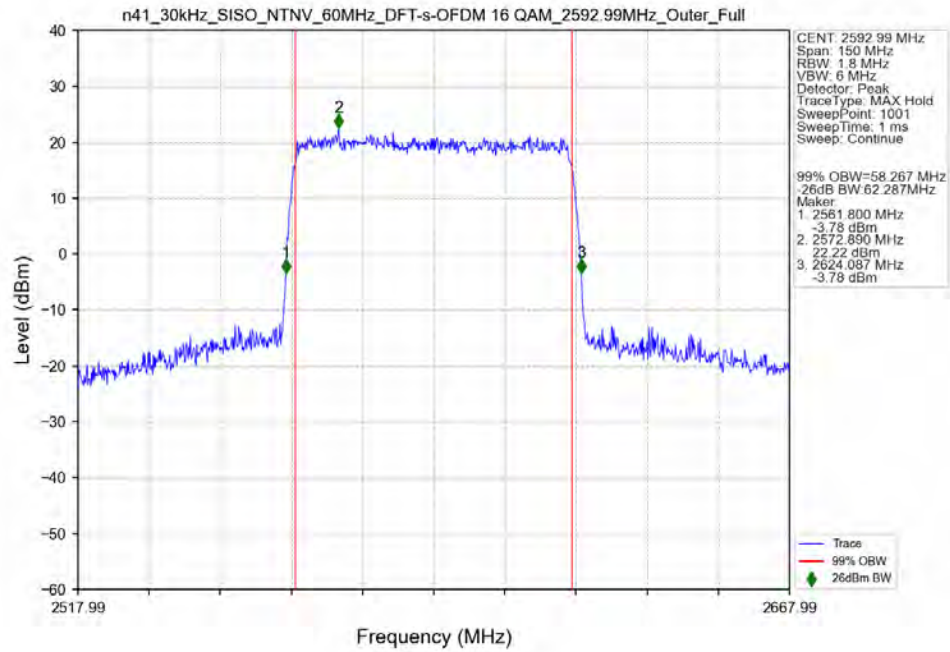
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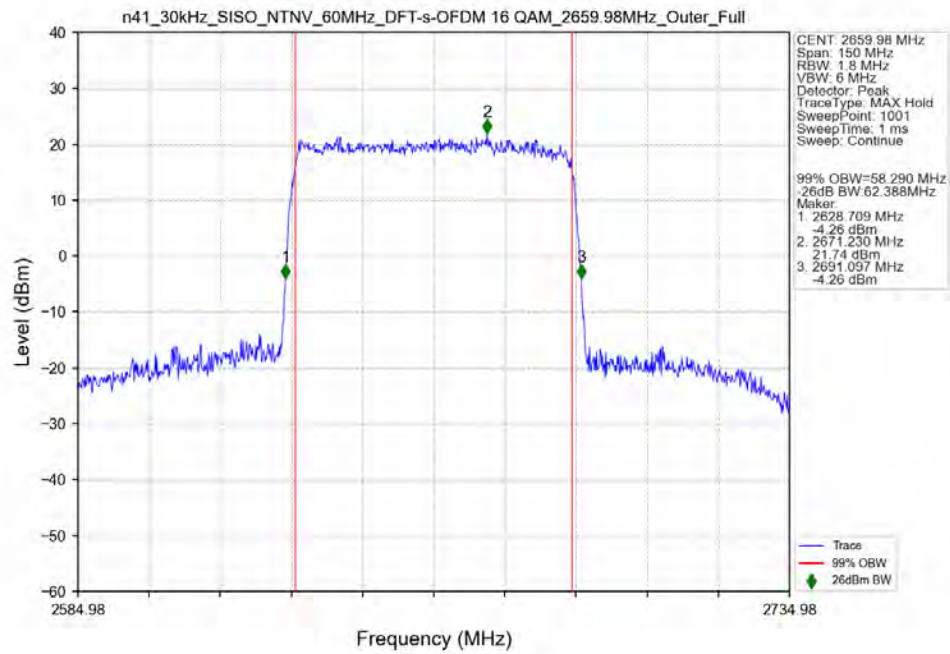
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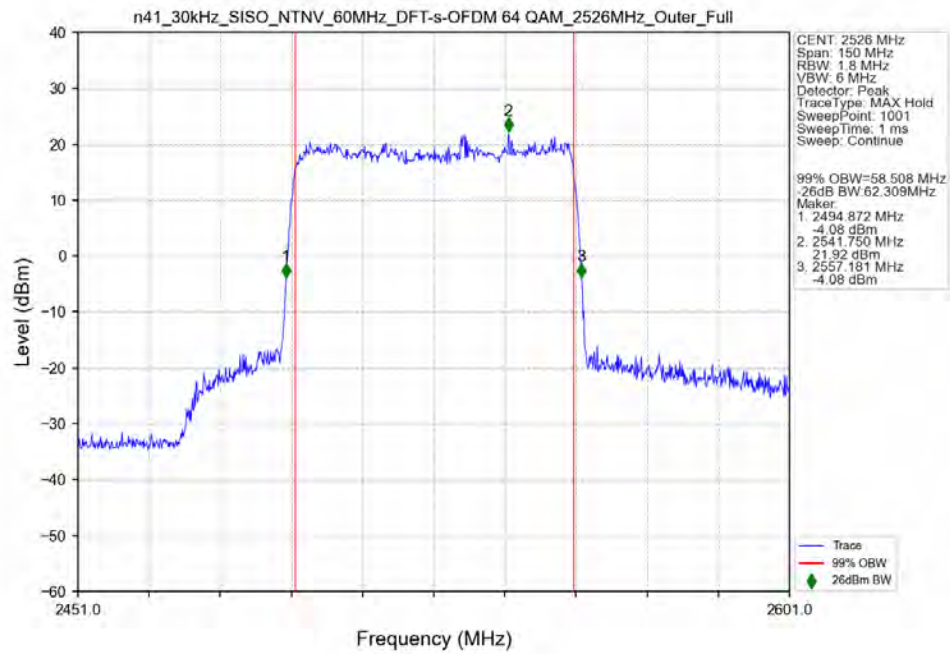
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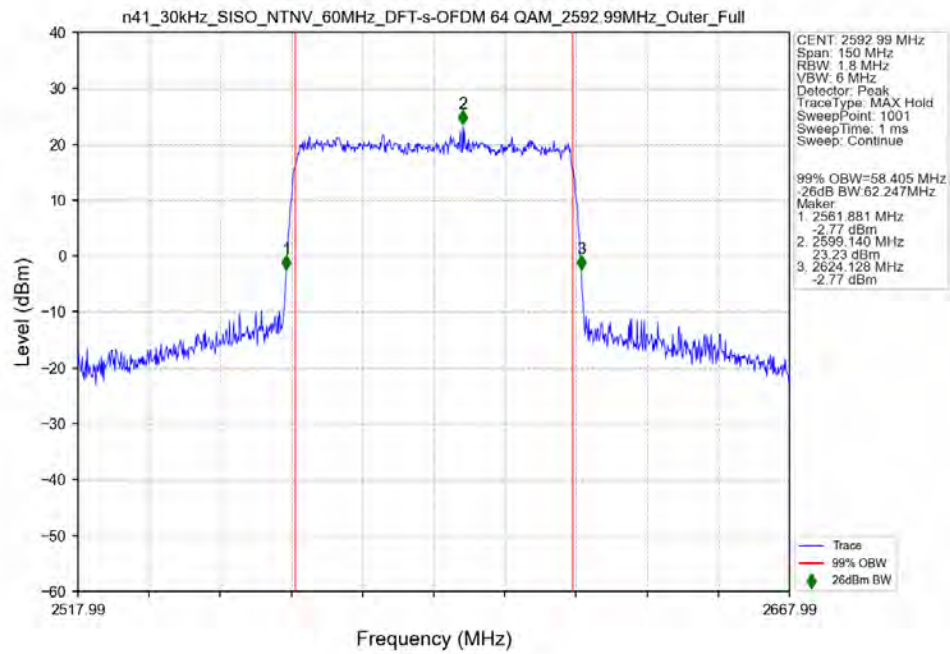
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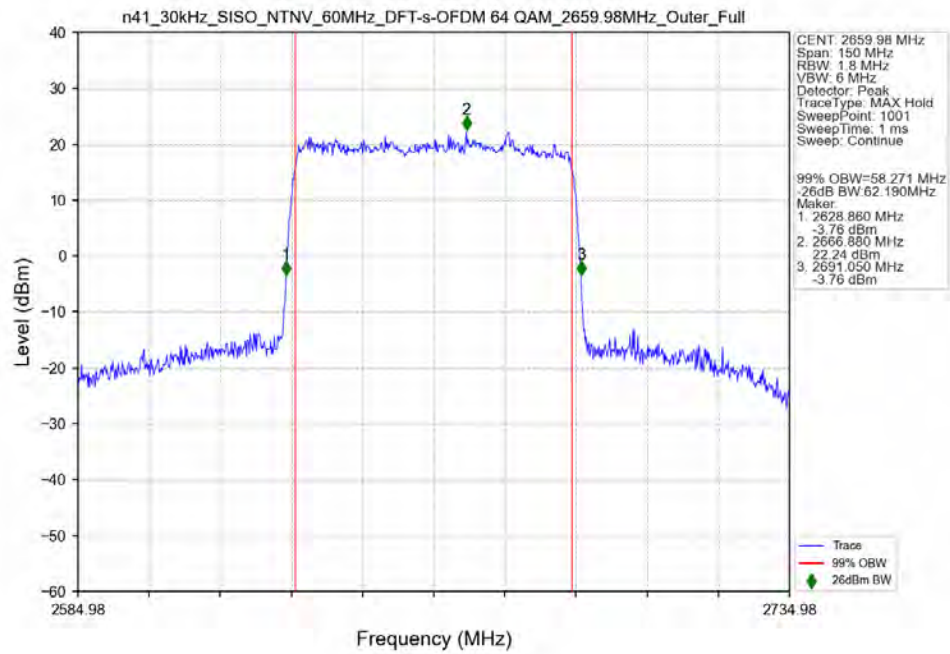
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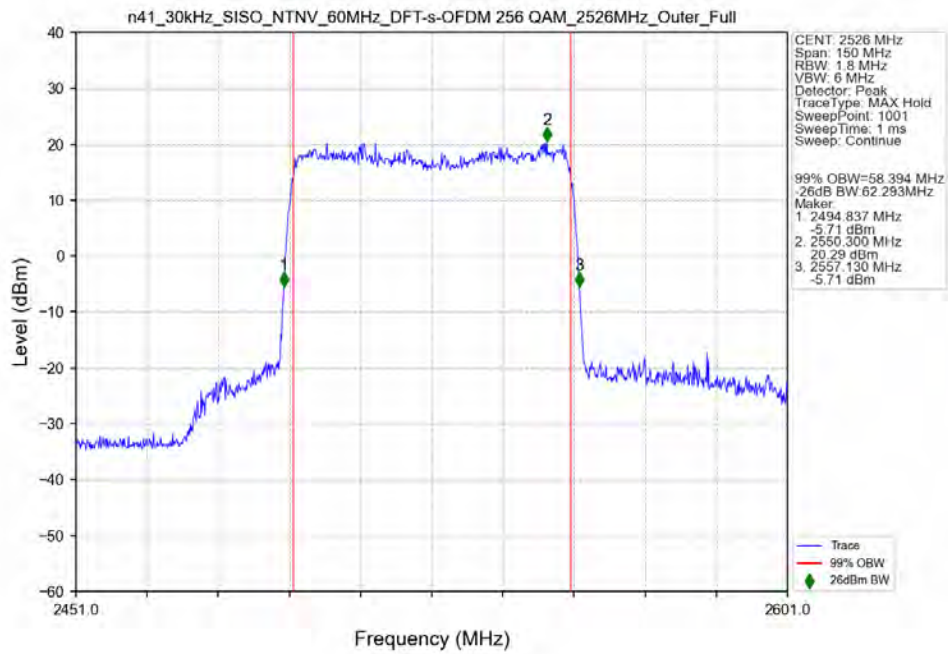
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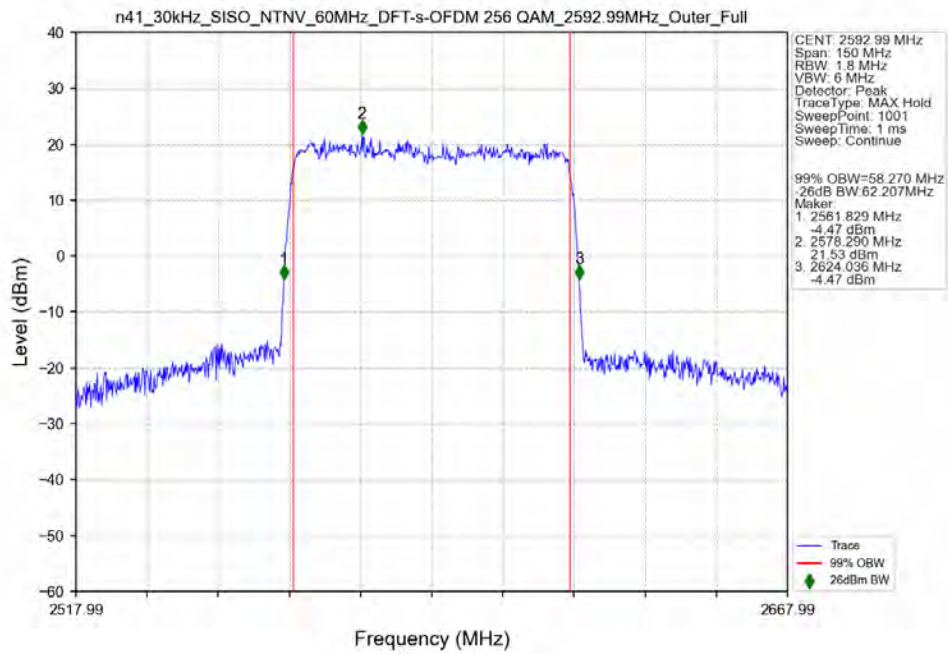
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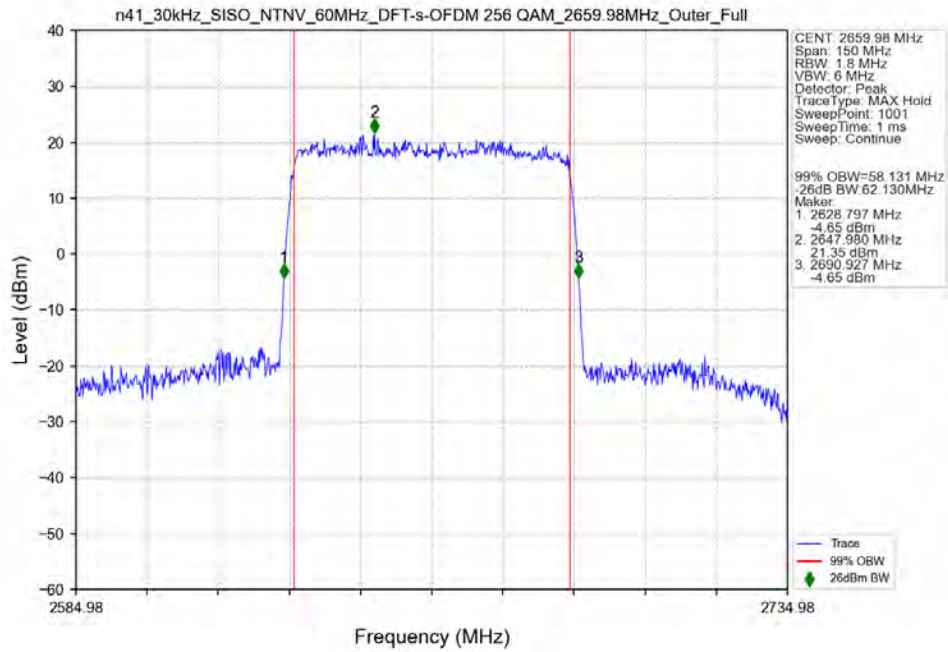
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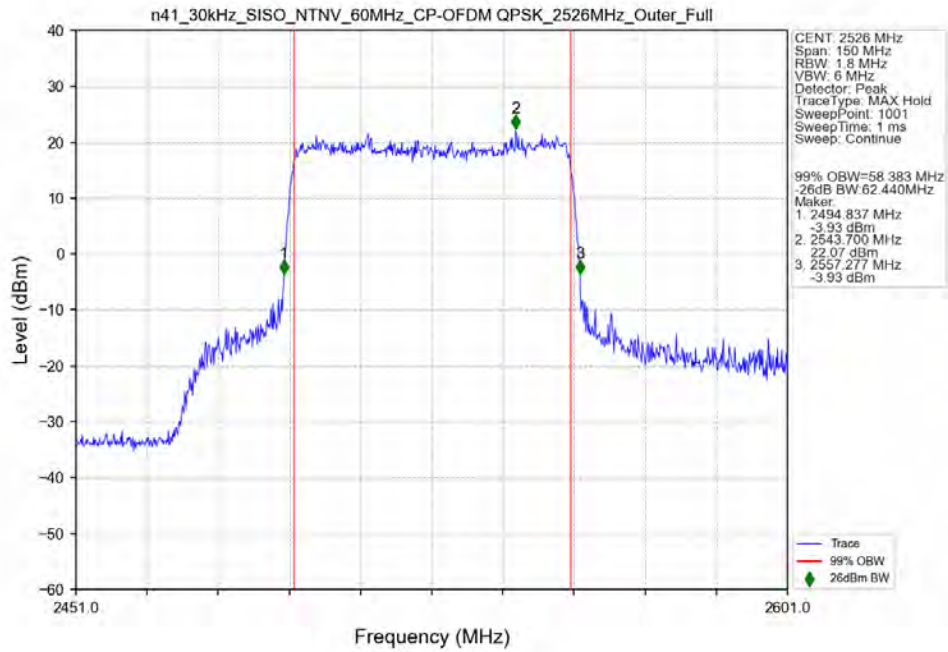
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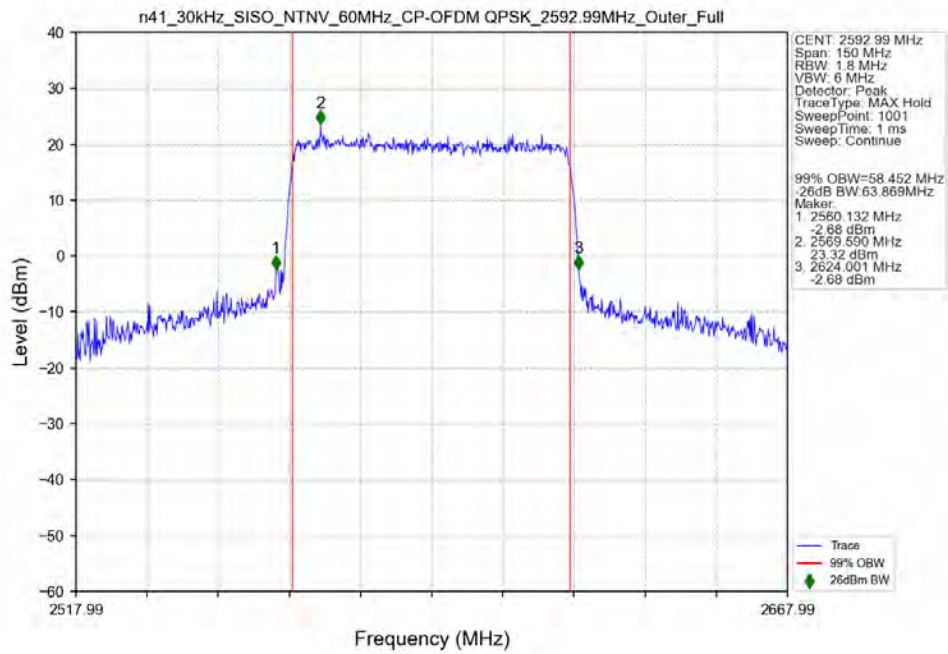
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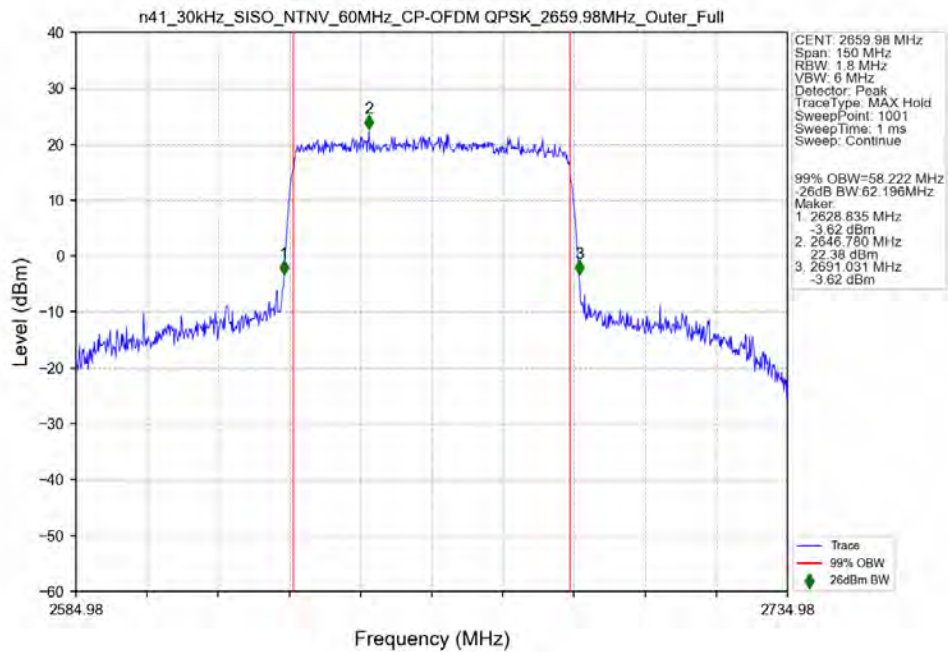
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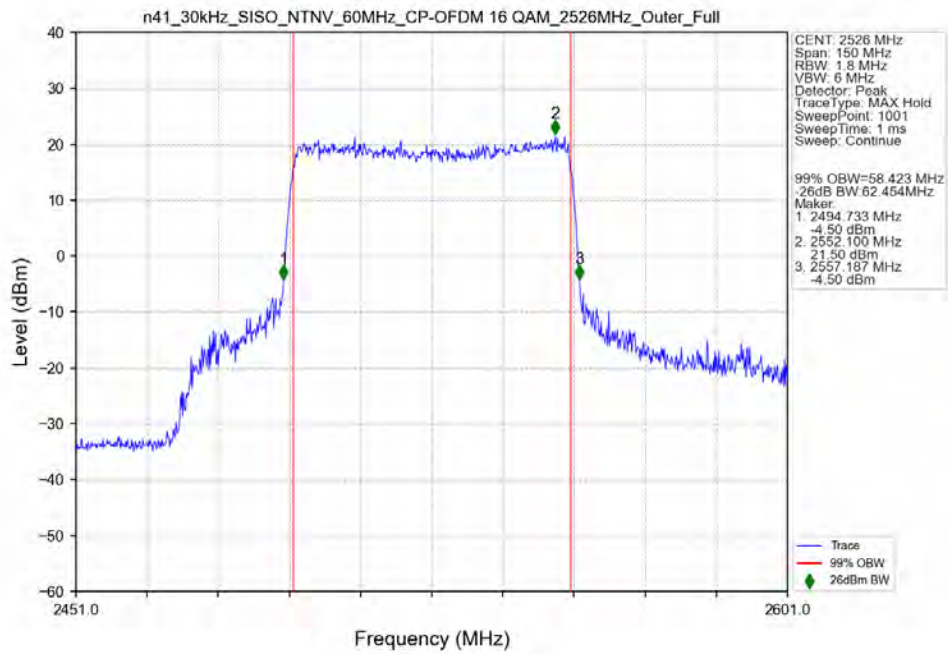
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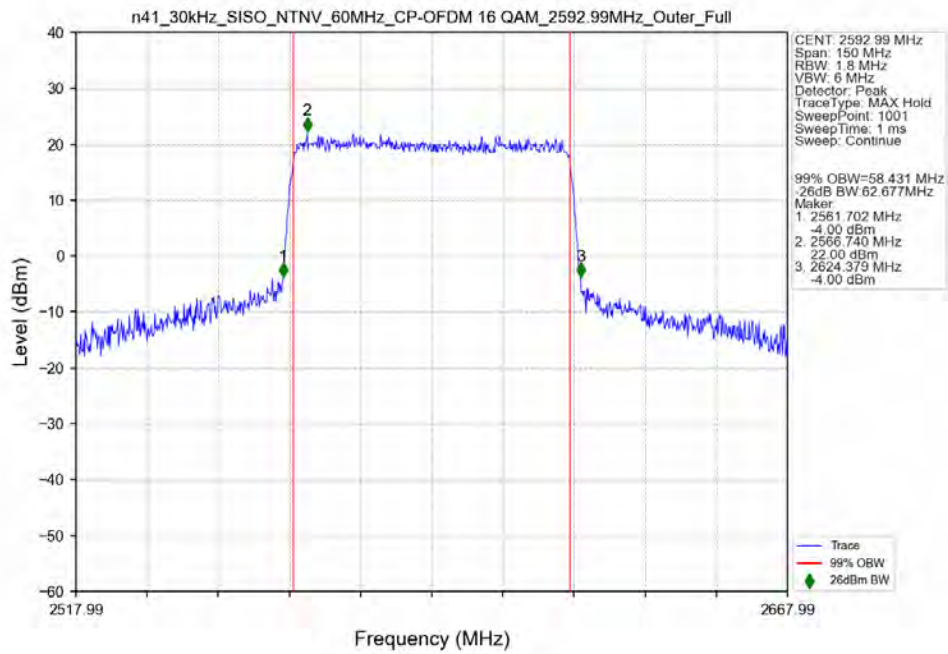
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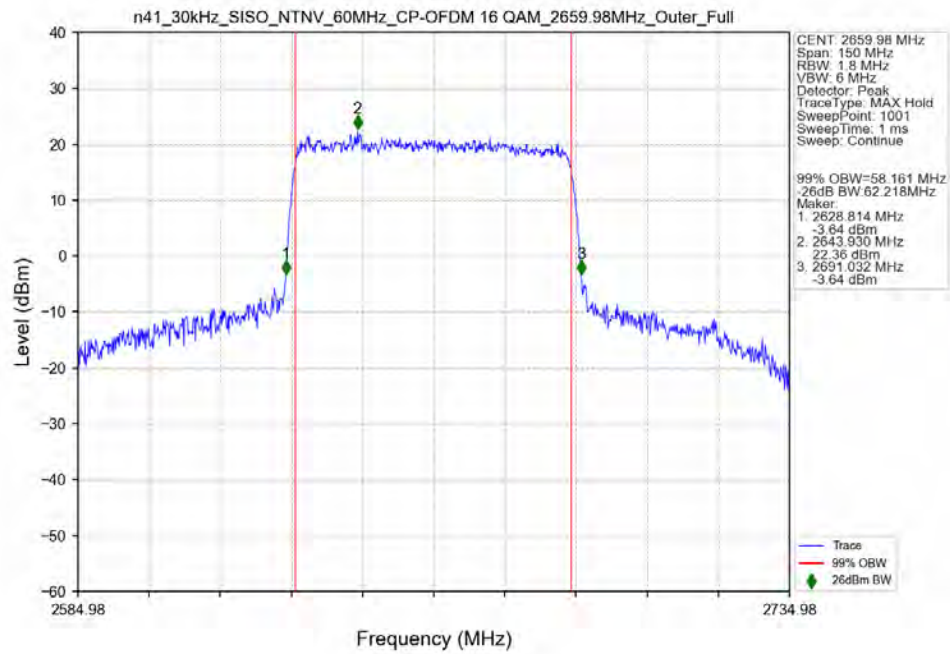
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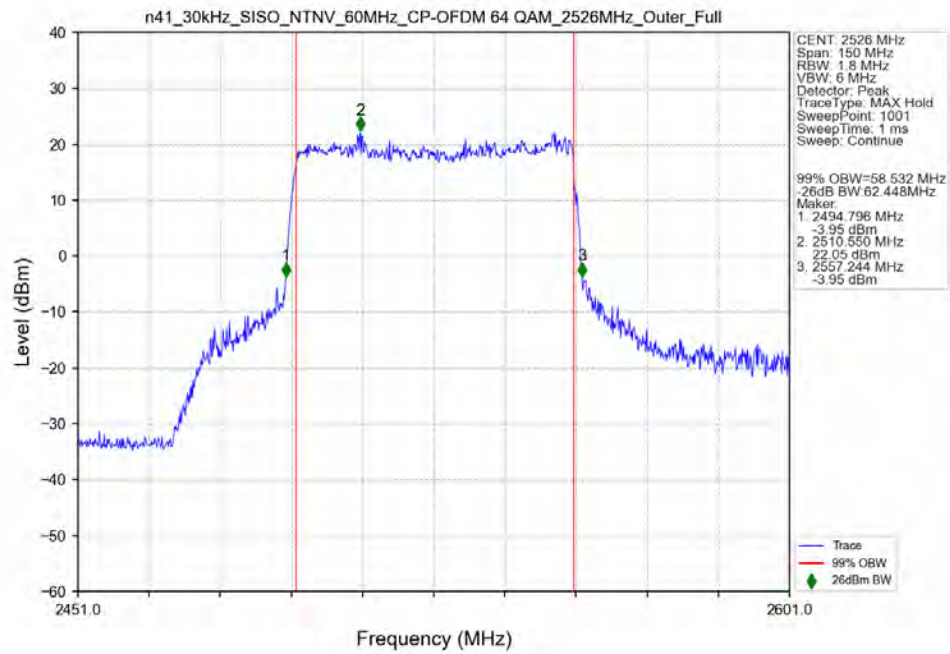
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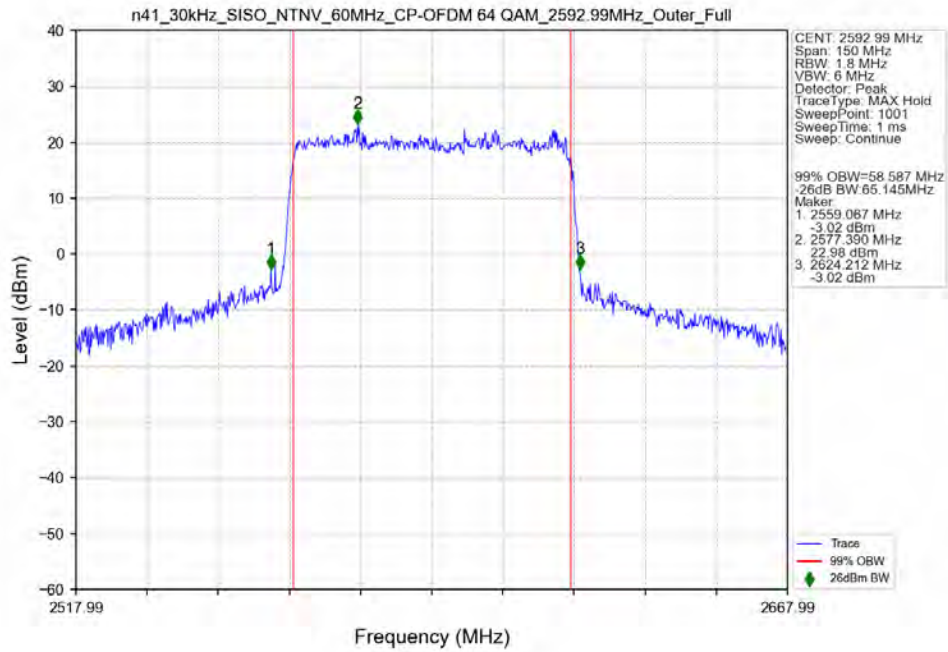
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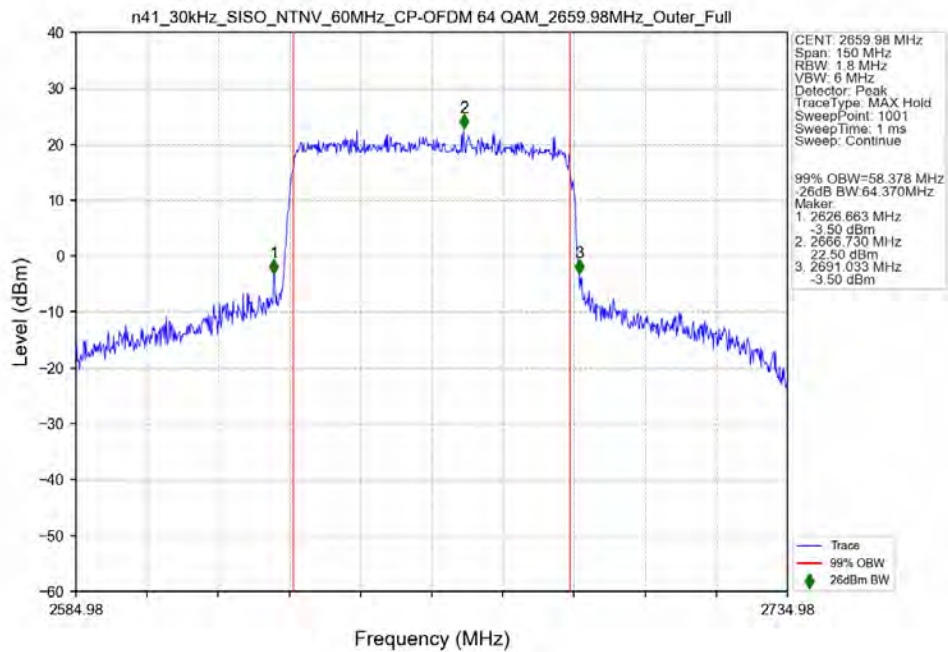
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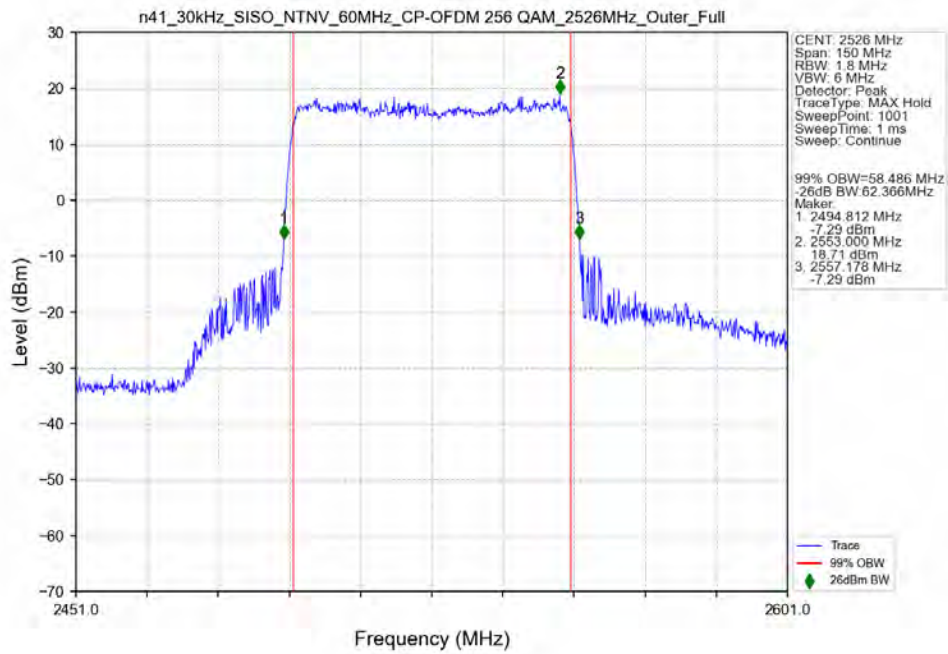
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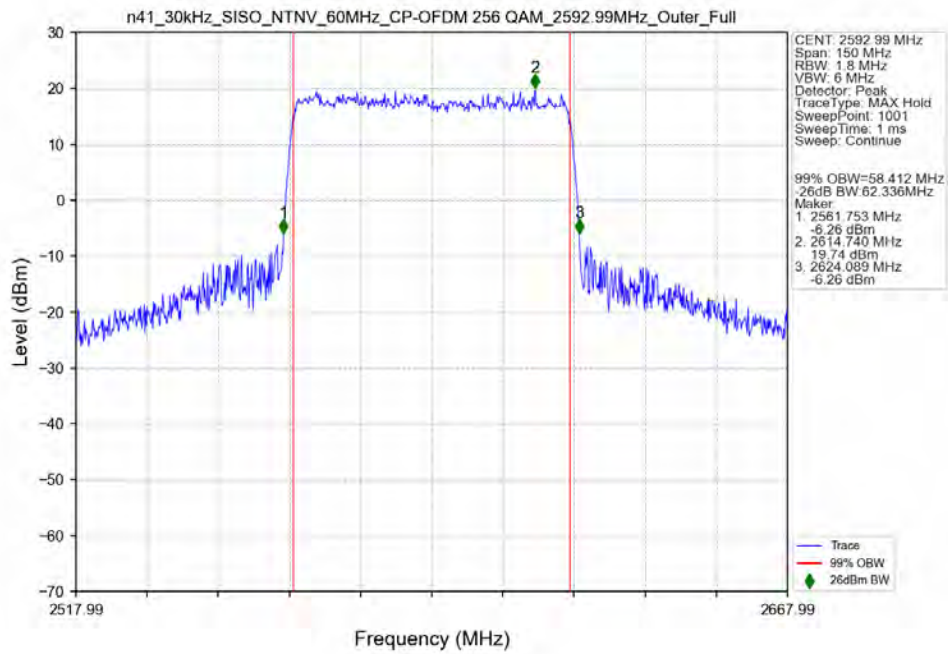
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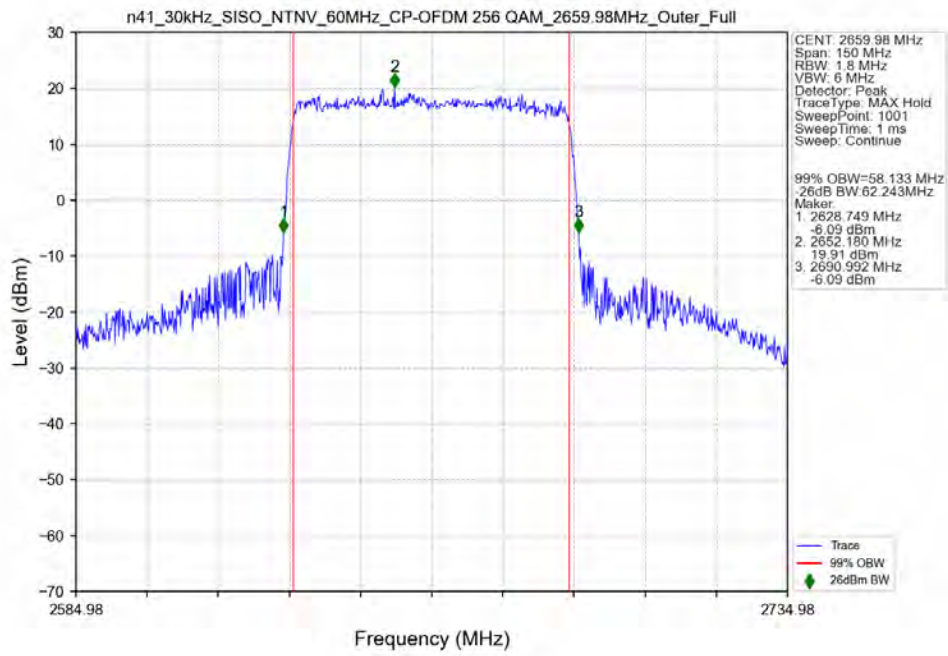
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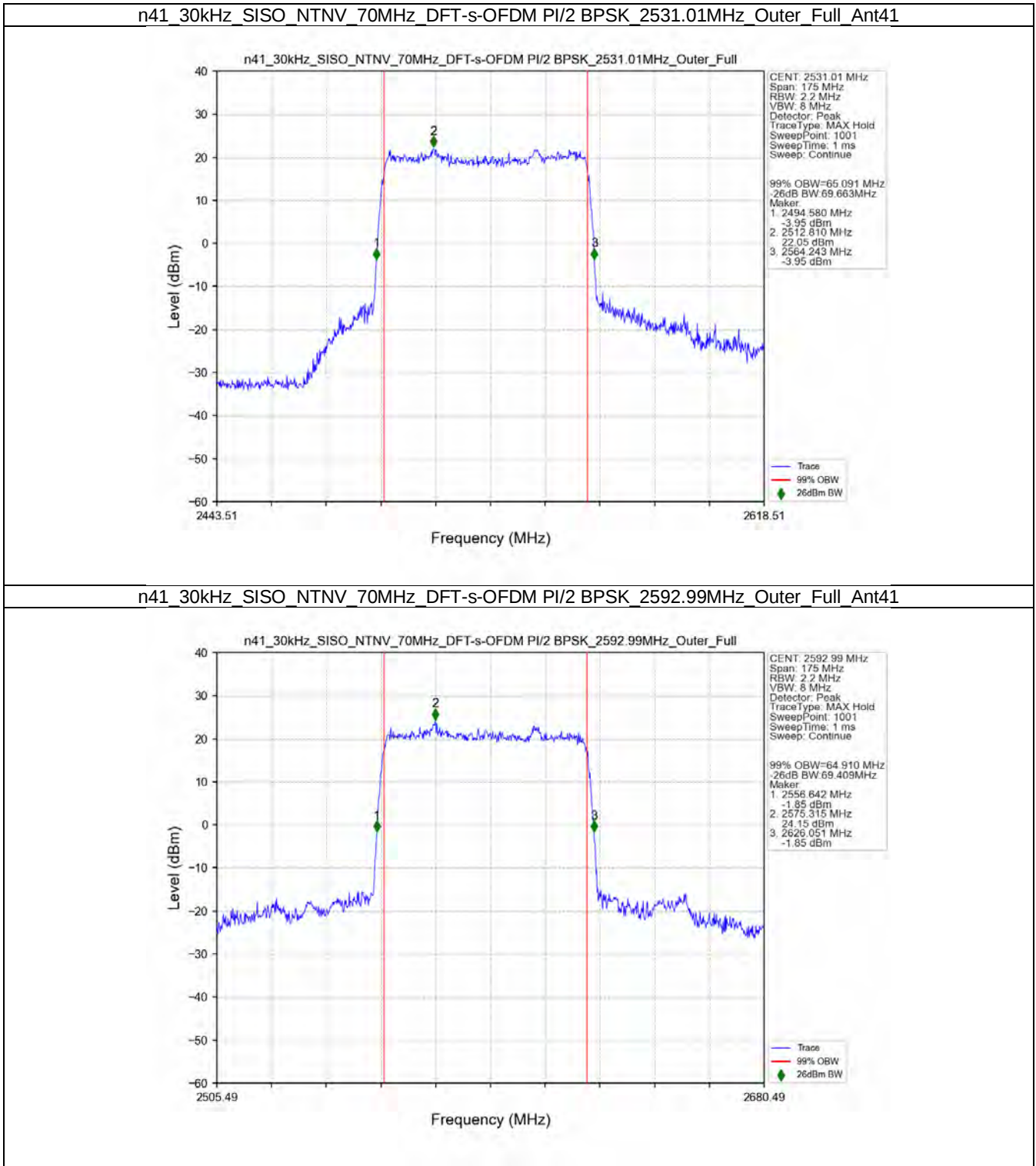
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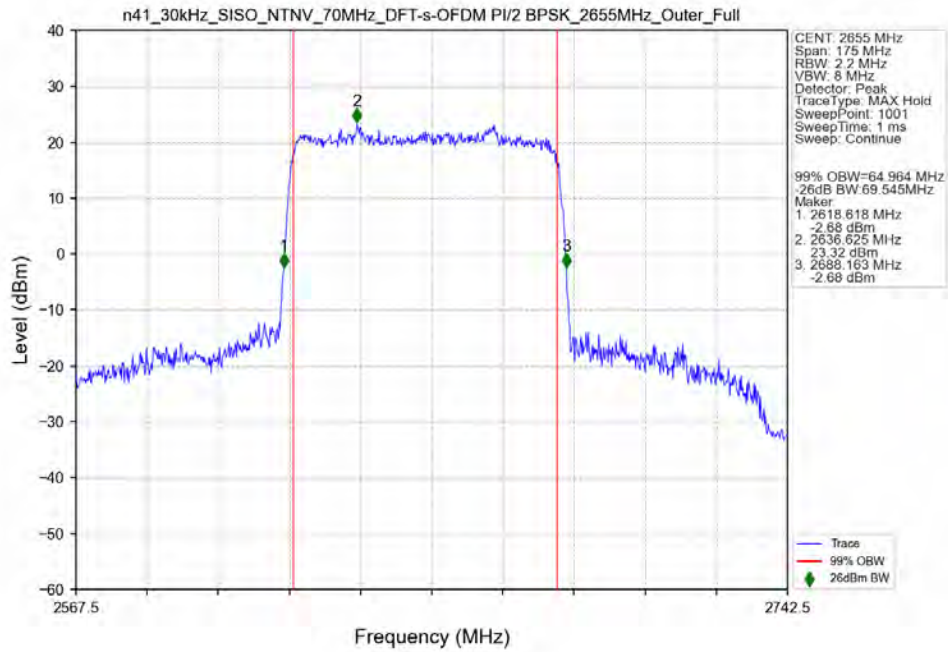
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3.2.8 30k_SISO_70MHz_NTNV



n41_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM_PI/2_BPSK_2655MHz_Outer_Full_Ant41



n41_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM_QPSK_2531.01MHz_Outer_Full_Ant41

