



			30	NV	-8.80	-0.0025	>=-2.5 & <=2.5	Pass			
			40	NV	-12.20	-0.0035	>=-2.5 & <=2.5	Pass			
			50	NV	-7.90	-0.0023	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	20	LV	-7.00	-0.0020	>=-2.5 & <=2.5	Pass			
				HV	-5.60	-0.0016	>=-2.5 & <=2.5	Pass			
			-30	NV	-6.60	-0.0019	>=-2.5 & <=2.5	Pass			
			-20	NV	-5.60	-0.0016	>=-2.5 & <=2.5	Pass			
			-10	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass			
			0	NV	-7.60	-0.0022	>=-2.5 & <=2.5	Pass			
			10	NV	-6.50	-0.0019	>=-2.5 & <=2.5	Pass			
			20	NV	-9.40	-0.0027	>=-2.5 & <=2.5	Pass			
			30	NV	-8.80	-0.0025	>=-2.5 & <=2.5	Pass			
			40	NV	-5.10	-0.0015	>=-2.5 & <=2.5	Pass			
			50	NV	-8.80	-0.0025	>=-2.5 & <=2.5	Pass			
			CP-OFDM QPSK	3500.01	Outer_Full	20	LV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
							HV	-8.20	-0.0023	>=-2.5 & <=2.5	Pass
-30	NV	-4.80				-0.0014	>=-2.5 & <=2.5	Pass			
-20	NV	-6.10				-0.0017	>=-2.5 & <=2.5	Pass			
-10	NV	-7.10				-0.0020	>=-2.5 & <=2.5	Pass			
0	NV	-6.20				-0.0018	>=-2.5 & <=2.5	Pass			
10	NV	-8.50				-0.0024	>=-2.5 & <=2.5	Pass			
20	NV	-7.50				-0.0021	>=-2.5 & <=2.5	Pass			
30	NV	-9.10				-0.0026	>=-2.5 & <=2.5	Pass			
40	NV	-3.60				-0.0010	>=-2.5 & <=2.5	Pass			
50	NV	-10.90				-0.0031	>=-2.5 & <=2.5	Pass			
CP-OFDM 16 QAM	3500.01	Outer_Full				20	LV	-8.20	-0.0023	>=-2.5 & <=2.5	Pass
							HV	-10.30	-0.0029	>=-2.5 & <=2.5	Pass
			-30	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass			
			-20	NV	-7.30	-0.0021	>=-2.5 & <=2.5	Pass			
			-10	NV	-5.20	-0.0015	>=-2.5 & <=2.5	Pass			
			0	NV	-5.80	-0.0017	>=-2.5 & <=2.5	Pass			
			10	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass			
			20	NV	-9.30	-0.0027	>=-2.5 & <=2.5	Pass			
			30	NV	-8.80	-0.0025	>=-2.5 & <=2.5	Pass			
			40	NV	-7.90	-0.0023	>=-2.5 & <=2.5	Pass			
			50	NV	-8.00	-0.0023	>=-2.5 & <=2.5	Pass			
			CP-OFDM 64 QAM	3500.01	Outer_Full	20	LV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
							HV	-7.20	-0.0021	>=-2.5 & <=2.5	Pass
-30	NV	-8.10				-0.0023	>=-2.5 & <=2.5	Pass			
-20	NV	-6.80				-0.0019	>=-2.5 & <=2.5	Pass			
-10	NV	-8.00				-0.0023	>=-2.5 & <=2.5	Pass			
0	NV	-9.60				-0.0027	>=-2.5 & <=2.5	Pass			
10	NV	-10.50				-0.0030	>=-2.5 & <=2.5	Pass			
20	NV	-8.30				-0.0024	>=-2.5 & <=2.5	Pass			
30	NV	-6.20				-0.0018	>=-2.5 & <=2.5	Pass			
40	NV	-5.10				-0.0015	>=-2.5 & <=2.5	Pass			
50	NV	-5.40				-0.0015	>=-2.5 & <=2.5	Pass			
CP-OFDM 256 QAM	3500.01	Outer_Full				20	LV	-9.40	-0.0027	>=-2.5 & <=2.5	Pass
							HV	-6.00	-0.0017	>=-2.5 & <=2.5	Pass



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			-30	NV	-7.60	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-6.90	-0.0020	>=-2.5 & <=2.5	Pass
			-10	NV	-3.00	-0.0009	>=-2.5 & <=2.5	Pass
			0	NV	-5.60	-0.0016	>=-2.5 & <=2.5	Pass
			10	NV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
			20	NV	-5.50	-0.0016	>=-2.5 & <=2.5	Pass
			30	NV	-7.00	-0.0020	>=-2.5 & <=2.5	Pass
			40	NV	-11.30	-0.0032	>=-2.5 & <=2.5	Pass
			50	NV	-4.80	-0.0014	>=-2.5 & <=2.5	Pass



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2.19 30k\_SISO\_100MHz

2.19.1 Test Result

5G NR n77d 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	3500.01	Outer_Full	20	LV	-8.30	-0.0024	>=-2.5 & <=2.5	Pass
				HV	-9.30	-0.0027	>=-2.5 & <=2.5	Pass
			-30	NV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
			-20	NV	-8.50	-0.0024	>=-2.5 & <=2.5	Pass
			-10	NV	-7.40	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-8.80	-0.0025	>=-2.5 & <=2.5	Pass
			10	NV	-11.10	-0.0032	>=-2.5 & <=2.5	Pass
			20	NV	-9.20	-0.0026	>=-2.5 & <=2.5	Pass
			30	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
			40	NV	-5.10	-0.0015	>=-2.5 & <=2.5	Pass
50	NV	-9.60	-0.0027	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM QPSK	3500.01	Outer_Full	20	LV	-8.50	-0.0024	>=-2.5 & <=2.5	Pass
				HV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
			-30	NV	-8.10	-0.0023	>=-2.5 & <=2.5	Pass
			-20	NV	-2.00	-0.0006	>=-2.5 & <=2.5	Pass
			-10	NV	-7.30	-0.0021	>=-2.5 & <=2.5	Pass
			0	NV	-6.60	-0.0019	>=-2.5 & <=2.5	Pass
			10	NV	-9.30	-0.0027	>=-2.5 & <=2.5	Pass
			20	NV	-7.60	-0.0022	>=-2.5 & <=2.5	Pass
			30	NV	-7.90	-0.0023	>=-2.5 & <=2.5	Pass
			40	NV	-7.40	-0.0021	>=-2.5 & <=2.5	Pass
50	NV	-12.10	-0.0035	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 16 QAM	3500.01	Outer_Full	20	LV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
				HV	-7.40	-0.0021	>=-2.5 & <=2.5	Pass
			-30	NV	-5.20	-0.0015	>=-2.5 & <=2.5	Pass
			-20	NV	-6.70	-0.0019	>=-2.5 & <=2.5	Pass
			-10	NV	-6.30	-0.0018	>=-2.5 & <=2.5	Pass
			0	NV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
			10	NV	-9.00	-0.0026	>=-2.5 & <=2.5	Pass
			20	NV	-8.70	-0.0025	>=-2.5 & <=2.5	Pass
			30	NV	-6.30	-0.0018	>=-2.5 & <=2.5	Pass
			40	NV	-6.60	-0.0019	>=-2.5 & <=2.5	Pass
50	NV	-1.90	-0.0005	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 64 QAM	3500.01	Outer_Full	20	LV	-6.30	-0.0018	>=-2.5 & <=2.5	Pass
				HV	-10.20	-0.0029	>=-2.5 & <=2.5	Pass
			-30	NV	-7.60	-0.0022	>=-2.5 & <=2.5	Pass
			-20	NV	-5.40	-0.0015	>=-2.5 & <=2.5	Pass
			-10	NV	-2.80	-0.0008	>=-2.5 & <=2.5	Pass
			0	NV	-11.50	-0.0033	>=-2.5 & <=2.5	Pass
			10	NV	-7.50	-0.0021	>=-2.5 & <=2.5	Pass
			20	NV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass



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			30	NV	-6.60	-0.0019	>=-2.5 & <=2.5	Pass			
			40	NV	-8.80	-0.0025	>=-2.5 & <=2.5	Pass			
			50	NV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass			
DFT-s-OFDM 256 QAM	3500.01	Outer_Full	20	LV	-7.60	-0.0022	>=-2.5 & <=2.5	Pass			
				HV	-7.40	-0.0021	>=-2.5 & <=2.5	Pass			
						-30	NV	-9.70	-0.0028	>=-2.5 & <=2.5	Pass
						-20	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
						-10	NV	-5.10	-0.0015	>=-2.5 & <=2.5	Pass
						0	NV	-5.90	-0.0017	>=-2.5 & <=2.5	Pass
						10	NV	-10.30	-0.0029	>=-2.5 & <=2.5	Pass
						20	NV	-7.00	-0.0020	>=-2.5 & <=2.5	Pass
						30	NV	-9.50	-0.0027	>=-2.5 & <=2.5	Pass
						40	NV	-4.80	-0.0014	>=-2.5 & <=2.5	Pass
						50	NV	-4.90	-0.0014	>=-2.5 & <=2.5	Pass
			CP-OFDM QPSK	3500.01	Outer_Full	20	LV	-7.30	-0.0021	>=-2.5 & <=2.5	Pass
HV	-8.10	-0.0023					>=-2.5 & <=2.5	Pass			
						-30	NV	-9.50	-0.0027	>=-2.5 & <=2.5	Pass
						-20	NV	-9.00	-0.0026	>=-2.5 & <=2.5	Pass
						-10	NV	-12.00	-0.0034	>=-2.5 & <=2.5	Pass
						0	NV	-9.90	-0.0028	>=-2.5 & <=2.5	Pass
						10	NV	-9.20	-0.0026	>=-2.5 & <=2.5	Pass
						20	NV	-10.80	-0.0031	>=-2.5 & <=2.5	Pass
						30	NV	-10.80	-0.0031	>=-2.5 & <=2.5	Pass
						40	NV	-3.60	-0.0010	>=-2.5 & <=2.5	Pass
						50	NV	-6.40	-0.0018	>=-2.5 & <=2.5	Pass
CP-OFDM 16 QAM	3500.01	Outer_Full				20	LV	-9.00	-0.0026	>=-2.5 & <=2.5	Pass
			HV	-5.60	-0.0016		>=-2.5 & <=2.5	Pass			
						-30	NV	-9.20	-0.0026	>=-2.5 & <=2.5	Pass
						-20	NV	-8.60	-0.0025	>=-2.5 & <=2.5	Pass
						-10	NV	-7.00	-0.0020	>=-2.5 & <=2.5	Pass
						0	NV	-4.50	-0.0013	>=-2.5 & <=2.5	Pass
						10	NV	-9.10	-0.0026	>=-2.5 & <=2.5	Pass
						20	NV	-4.70	-0.0013	>=-2.5 & <=2.5	Pass
						30	NV	-6.80	-0.0019	>=-2.5 & <=2.5	Pass
						40	NV	-6.70	-0.0019	>=-2.5 & <=2.5	Pass
						50	NV	-7.40	-0.0021	>=-2.5 & <=2.5	Pass
			CP-OFDM 64 QAM	3500.01	Outer_Full	20	LV	-7.30	-0.0021	>=-2.5 & <=2.5	Pass
HV	-8.40	-0.0024					>=-2.5 & <=2.5	Pass			
						-30	NV	-6.30	-0.0018	>=-2.5 & <=2.5	Pass
						-20	NV	-4.70	-0.0013	>=-2.5 & <=2.5	Pass
						-10	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
						0	NV	-6.20	-0.0018	>=-2.5 & <=2.5	Pass
						10	NV	-7.30	-0.0021	>=-2.5 & <=2.5	Pass
						20	NV	-6.10	-0.0017	>=-2.5 & <=2.5	Pass
						30	NV	-7.80	-0.0022	>=-2.5 & <=2.5	Pass
						40	NV	-5.70	-0.0016	>=-2.5 & <=2.5	Pass
						50	NV	-5.80	-0.0017	>=-2.5 & <=2.5	Pass
CP-OFDM 256 QAM	3500.01	Outer_Full				20	LV	-8.70	-0.0025	>=-2.5 & <=2.5	Pass
			HV	-8.20	-0.0023		>=-2.5 & <=2.5	Pass			



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			-30	NV	-7.40	-0.0021	$\geq -2.5$ & $\leq 2.5$	Pass
			-20	NV	-6.50	-0.0019	$\geq -2.5$ & $\leq 2.5$	Pass
			-10	NV	-7.10	-0.0020	$\geq -2.5$ & $\leq 2.5$	Pass
			0	NV	-8.90	-0.0025	$\geq -2.5$ & $\leq 2.5$	Pass
			10	NV	-3.90	-0.0011	$\geq -2.5$ & $\leq 2.5$	Pass
			20	NV	-6.70	-0.0019	$\geq -2.5$ & $\leq 2.5$	Pass
			30	NV	-8.20	-0.0023	$\geq -2.5$ & $\leq 2.5$	Pass
			40	NV	-4.80	-0.0014	$\geq -2.5$ & $\leq 2.5$	Pass
			50	NV	-6.60	-0.0019	$\geq -2.5$ & $\leq 2.5$	Pass



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### 3. Field Strength of Spurious Radiation

**Test Band = SA Band 77 3450-3550\_ TM1**  
**Test Channel = Mid Channel**

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7854.6042	45.67	-44.94	36.37	-58.15	-13.00	45.15	Horizontal
2	12451.7292	40.52	-38.57	38.93	-54.38	-13.00	41.38	Horizontal
3	7010.18	45.33	-45.93	35.62	-60.24	-13.00	47.24	Horizontal
4	10515.27	40.30	-40.67	38.96	-56.66	-13.00	43.66	Horizontal
5	14020.36	37.59	-39.06	40.88	-55.84	-13.00	42.84	Horizontal
6	17525.45	36.79	-36.28	42.26	-52.48	-13.00	39.48	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	8333.7708	45.31	-44.49	36.67	-57.78	-13.00	44.78	Vertical
2	12530.3125	41.01	-38.98	38.88	-54.34	-13.00	41.34	Vertical
3	7010.18	45.41	-45.93	35.62	-60.16	-13.00	47.16	Vertical
4	10515.27	40.02	-40.67	38.96	-56.94	-13.00	43.94	Vertical
5	14020.36	37.73	-39.06	40.88	-55.70	-13.00	42.70	Vertical
6	17525.45	36.54	-36.28	42.26	-52.73	-13.00	39.73	Vertical

**Remark:**

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Pre-amplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

2) All antennas of RSE are tested, and only the worst data is presented.



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4. 99% & 26dB Bandwidth

4.1 15k\_SISO\_10MHz\_NTNV

4.1.1 Test Result

5G NR n77d SCS=15kHz SISO 10MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3455.01	Outer_Full	9.07	9.71	/	Pass
	3499.995	Outer_Full	9.05	9.70	/	Pass
	3544.995	Outer_Full	9.08	9.76	/	Pass
DFT-s-OFDM QPSK	3455.01	Outer_Full	9.03	9.65	/	Pass
	3499.995	Outer_Full	9.04	9.66	/	Pass
	3544.995	Outer_Full	9.03	9.68	/	Pass
DFT-s-OFDM 16 QAM	3455.01	Outer_Full	9.02	9.70	/	Pass
	3499.995	Outer_Full	9.02	9.68	/	Pass
	3544.995	Outer_Full	9.03	9.70	/	Pass
DFT-s-OFDM 64 QAM	3455.01	Outer_Full	9.05	9.74	/	Pass
	3499.995	Outer_Full	9.04	9.73	/	Pass
	3544.995	Outer_Full	9.06	9.71	/	Pass
DFT-s-OFDM 256 QAM	3455.01	Outer_Full	9.03	9.67	/	Pass
	3499.995	Outer_Full	9.02	9.67	/	Pass
	3544.995	Outer_Full	9.02	9.68	/	Pass
CP-OFDM QPSK	3455.01	Outer_Full	9.34	10.04	/	Pass
	3499.995	Outer_Full	9.32	10.08	/	Pass
	3544.995	Outer_Full	9.33	10.07	/	Pass
CP-OFDM 16 QAM	3455.01	Outer_Full	9.37	10.10	/	Pass
	3499.995	Outer_Full	9.37	10.06	/	Pass
	3544.995	Outer_Full	9.35	10.10	/	Pass
CP-OFDM 64 QAM	3455.01	Outer_Full	9.37	10.05	/	Pass
	3499.995	Outer_Full	9.38	10.03	/	Pass
	3544.995	Outer_Full	9.38	10.03	/	Pass
CP-OFDM 256 QAM	3455.01	Outer_Full	9.37	10.04	/	Pass
	3499.995	Outer_Full	9.33	10.05	/	Pass
	3544.995	Outer_Full	9.34	10.04	/	Pass

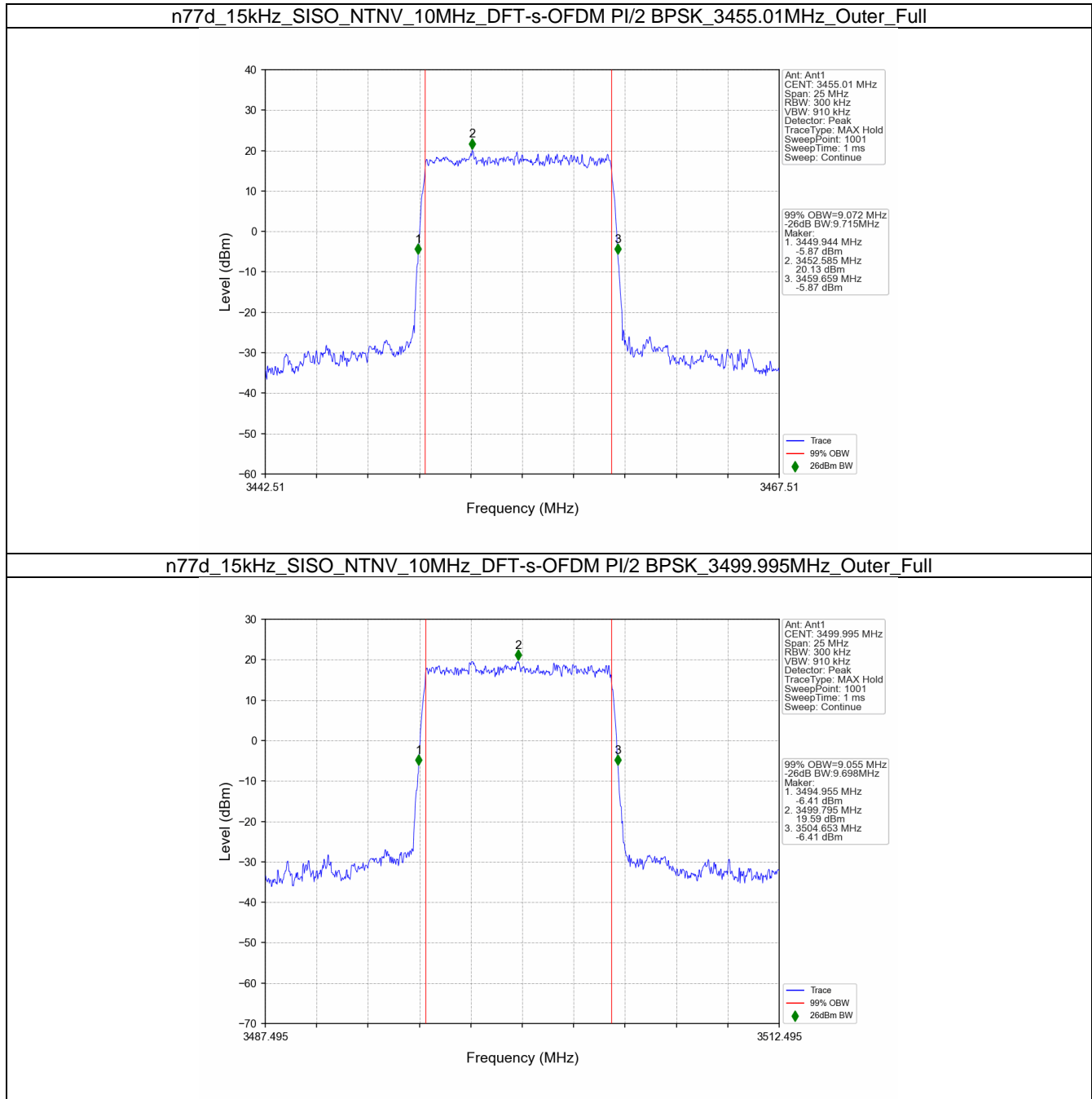


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4.1.2 Test Graph



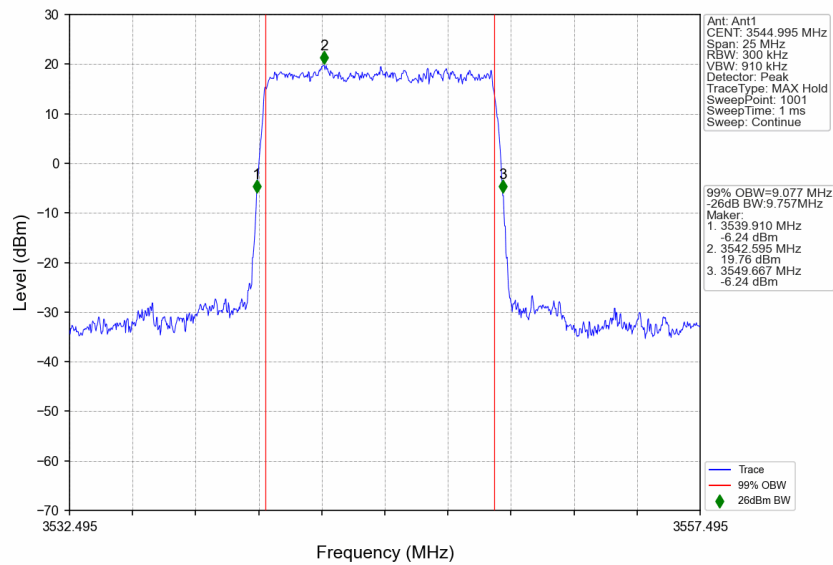
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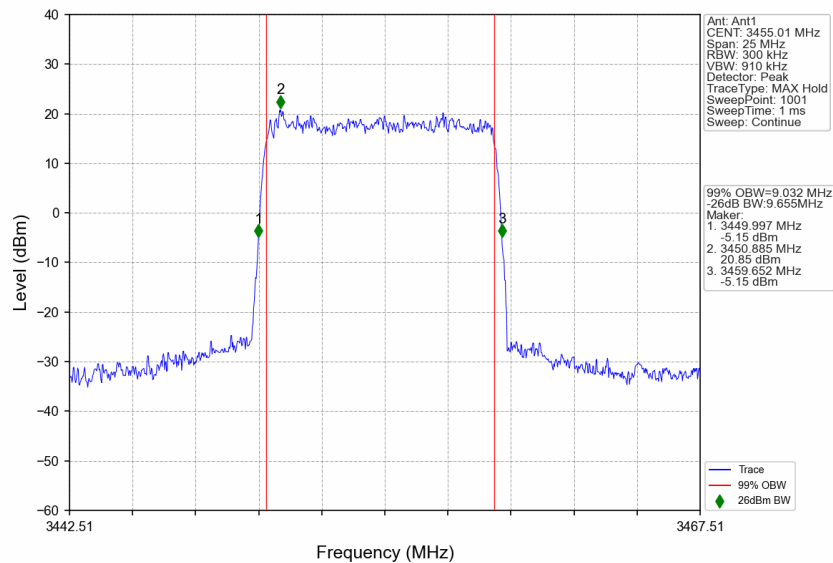
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n77d\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM PI/2 BPSK\_3544.995MHz\_Outer\_Full



n77d\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3455.01MHz\_Outer\_Full

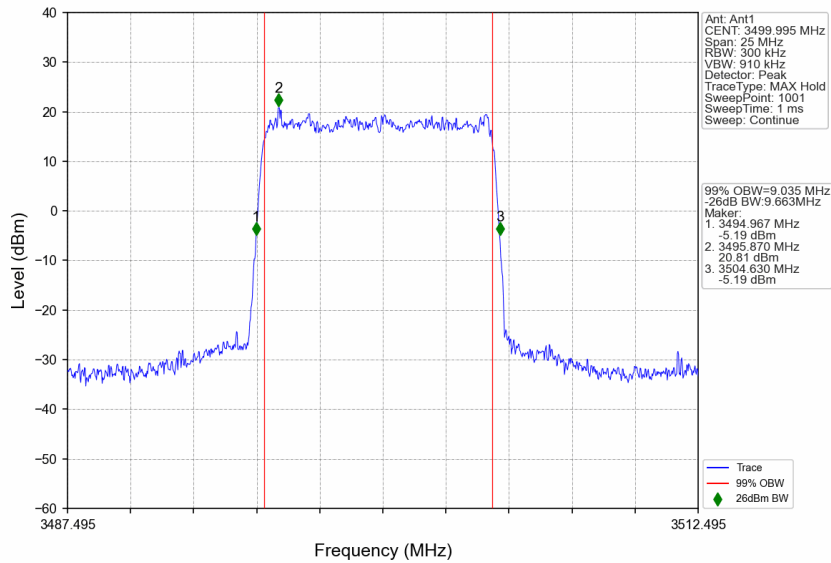


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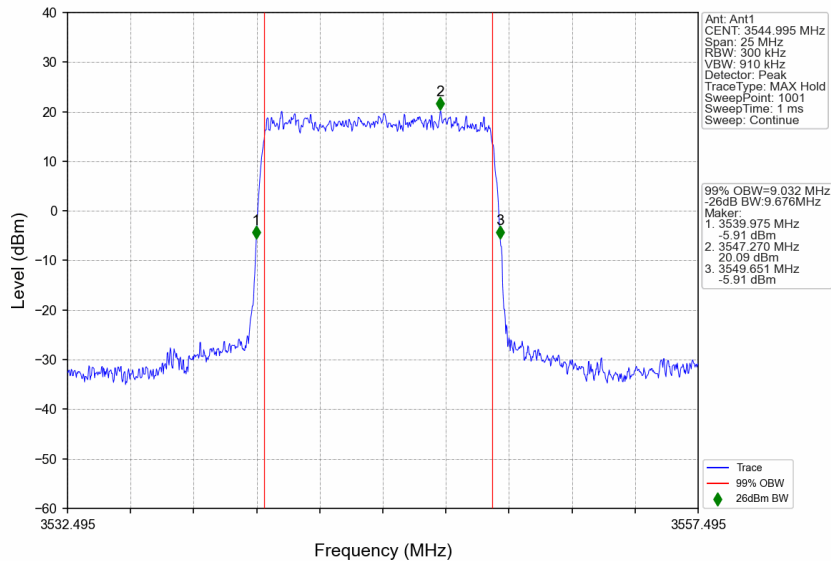
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n77d\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3499.995MHz\_Outer\_Full



n77d\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM QPSK\_3544.995MHz\_Outer\_Full

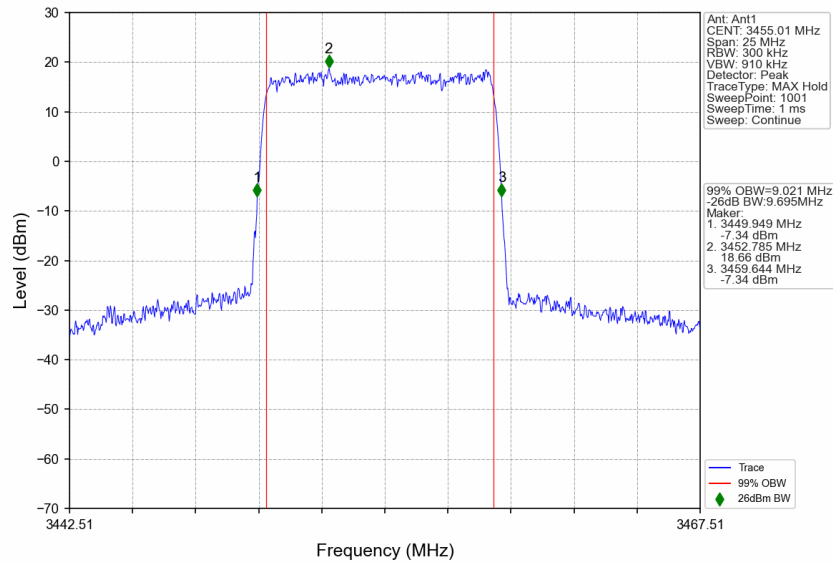


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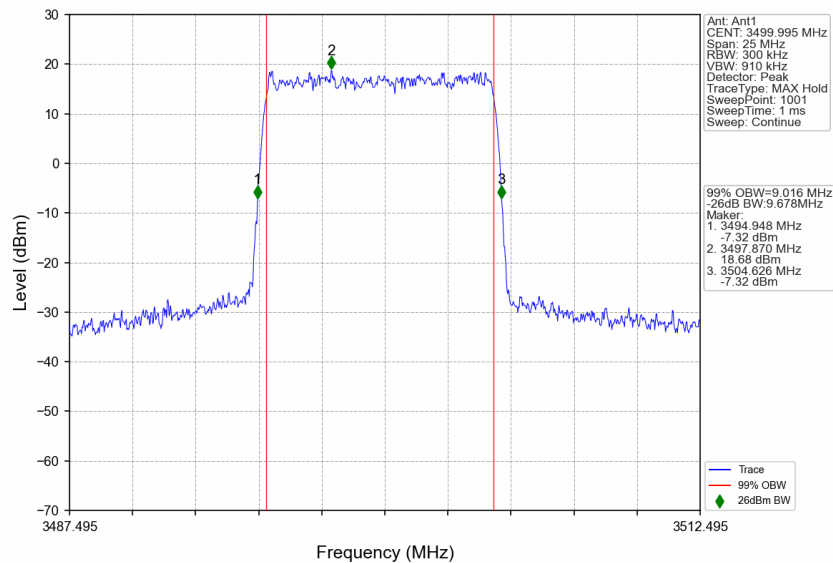
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n77d\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 16 QAM\_3455.01MHz\_Outer\_Full



n77d\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 16 QAM\_3499.995MHz\_Outer\_Full

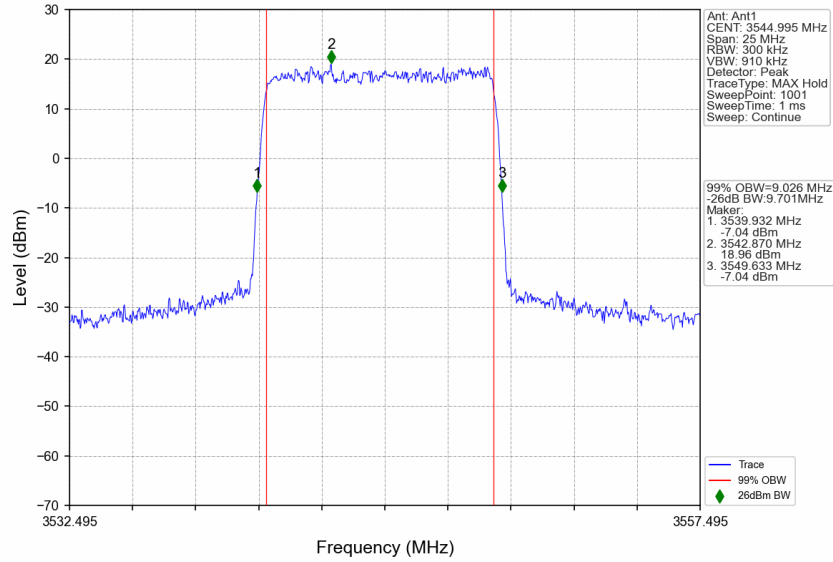


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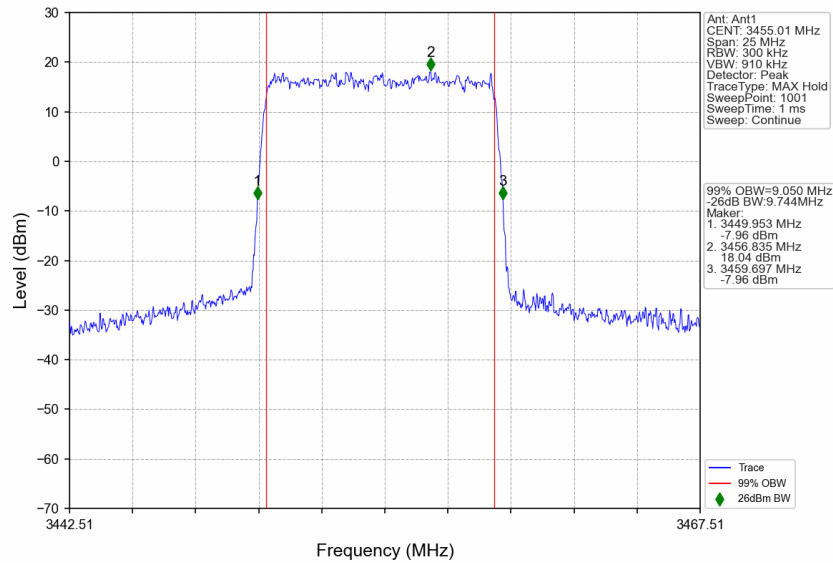
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n77d\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 16 QAM\_3544.995MHz\_Outer\_Full



n77d\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 64 QAM\_3455.01MHz\_Outer\_Full

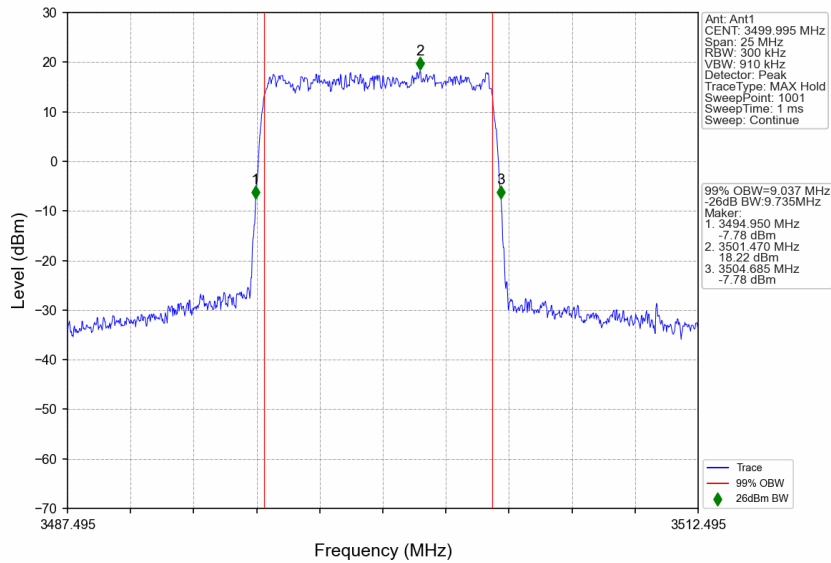


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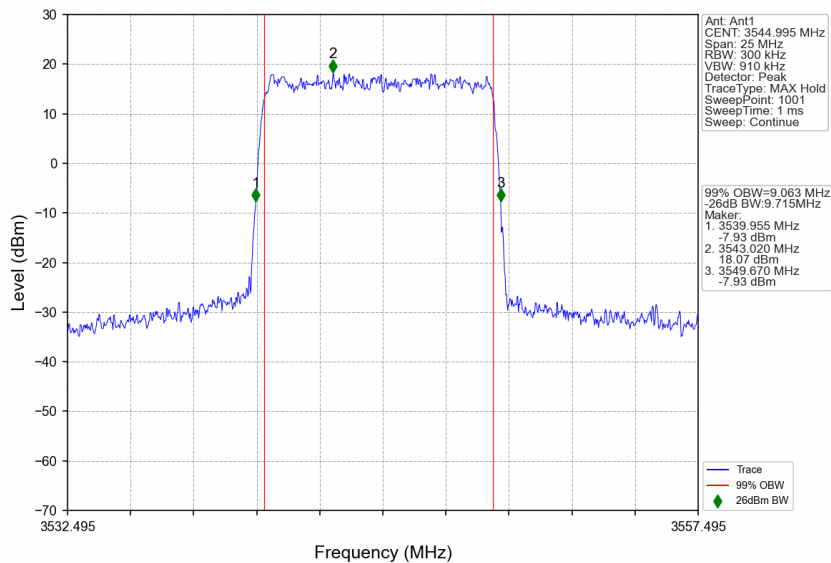
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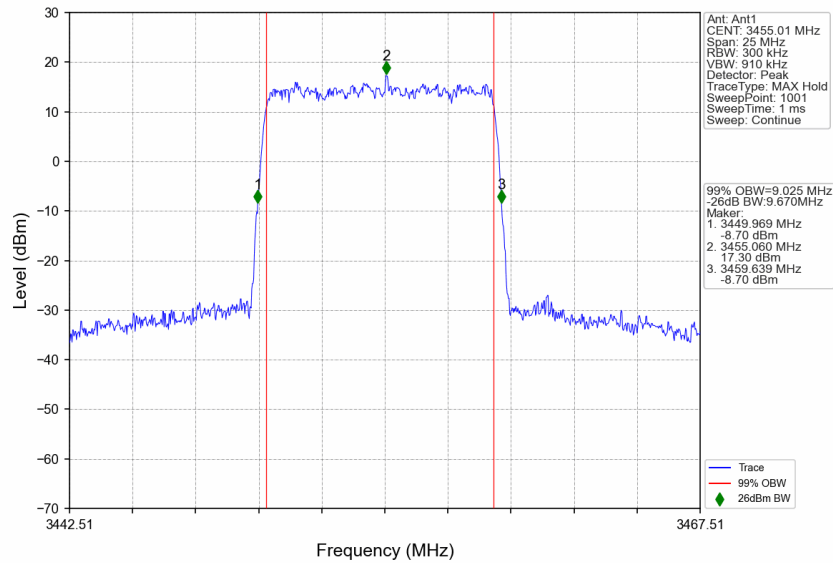
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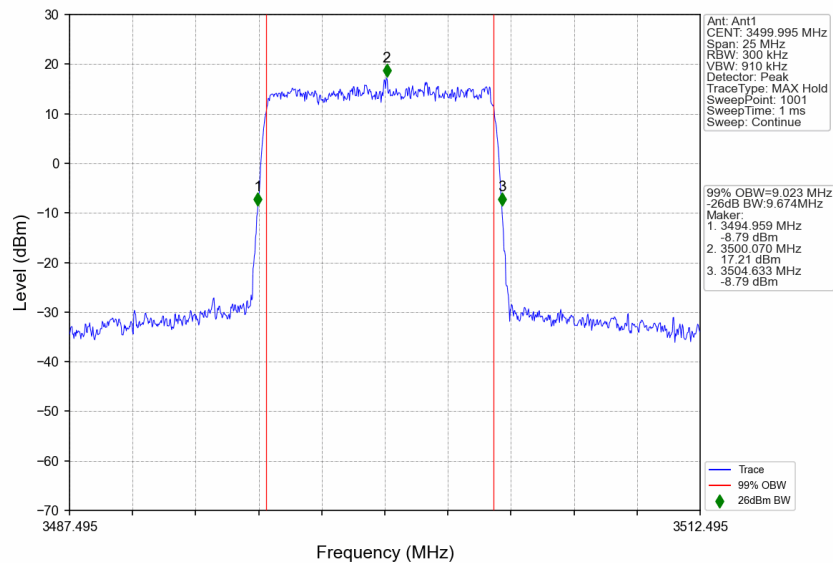
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n77d\_15kHz\_SISO\_NTNV\_10MHz\_DFT-s-OFDM 256 QAM\_3499.995MHz\_Outer\_Full

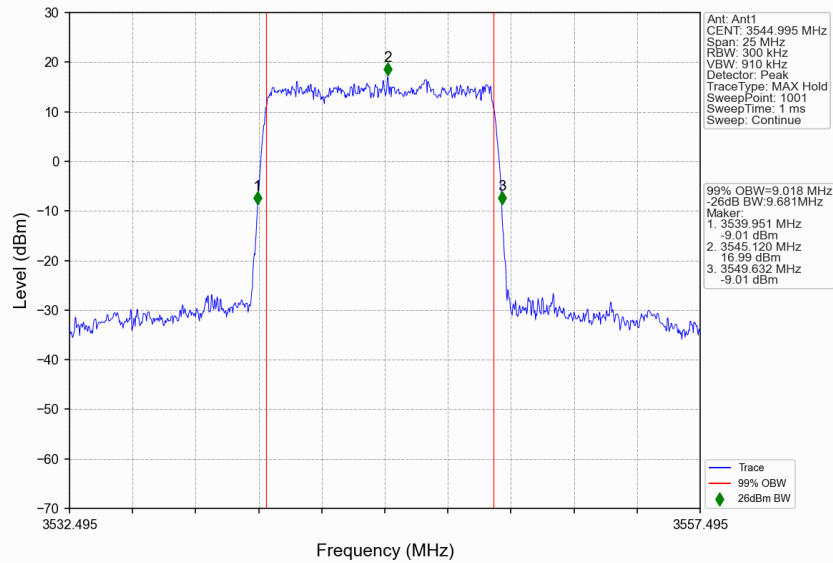


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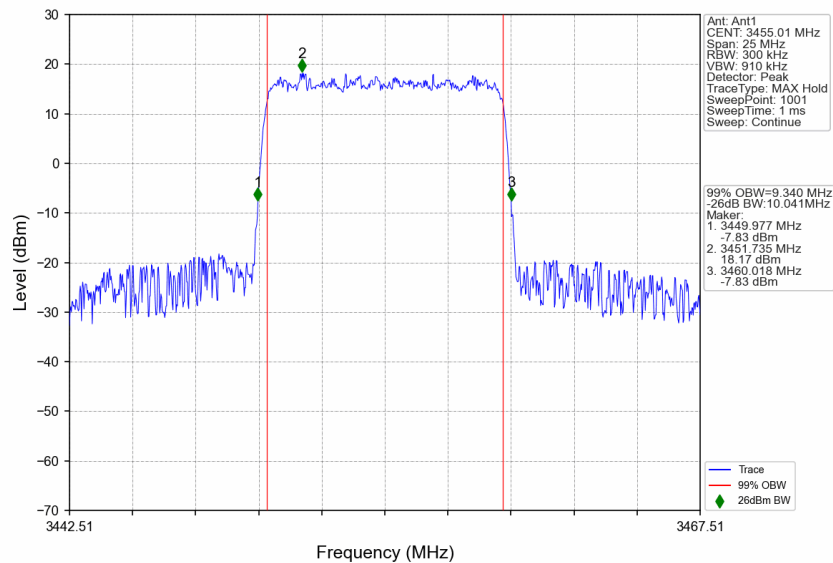
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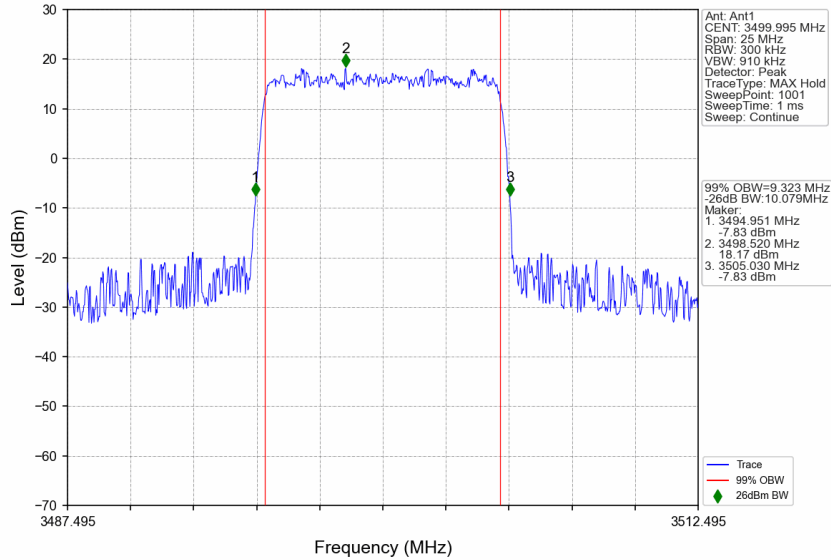
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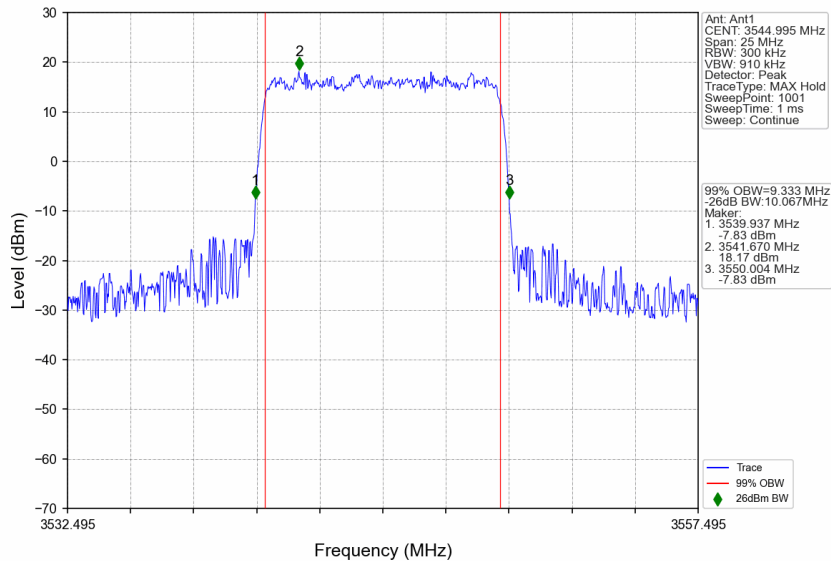
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n77d\_15kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3499.995MHz\_Outer\_Full



n77d\_15kHz\_SISO\_NTNV\_10MHz\_CP-OFDM QPSK\_3544.995MHz\_Outer\_Full

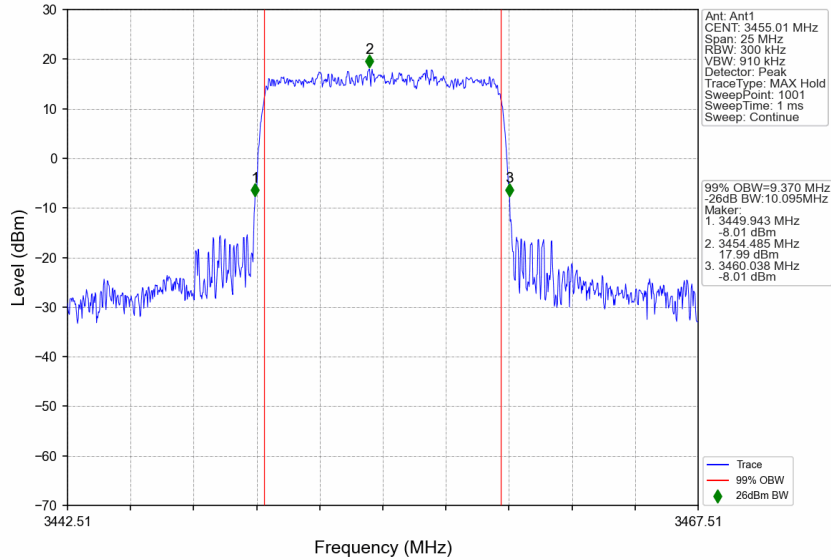


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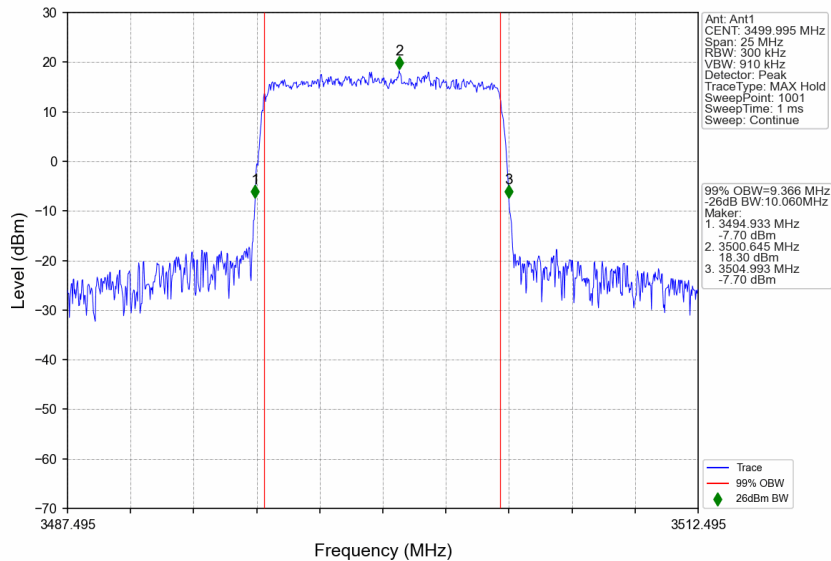
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n77d\_15kHz\_SISO\_NTNV\_10MHz\_CP-OFDM 16 QAM\_3455.01MHz\_Outer\_Full



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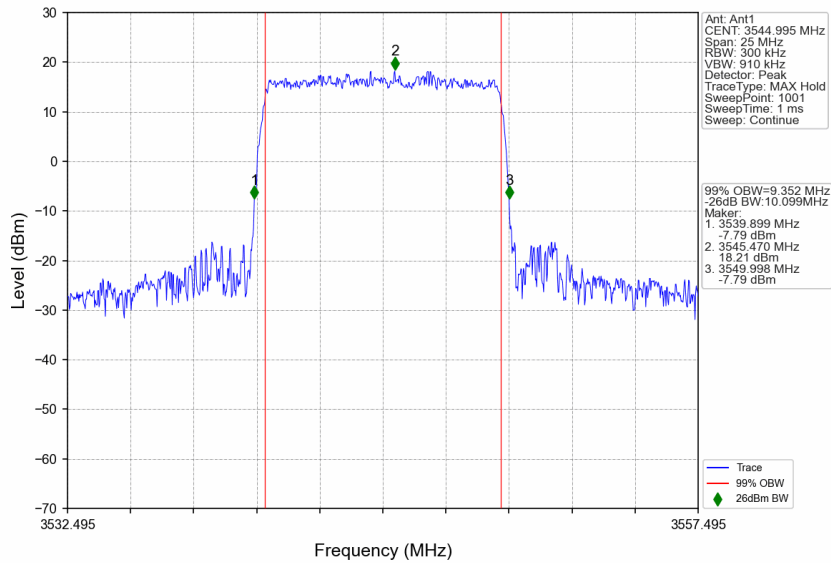


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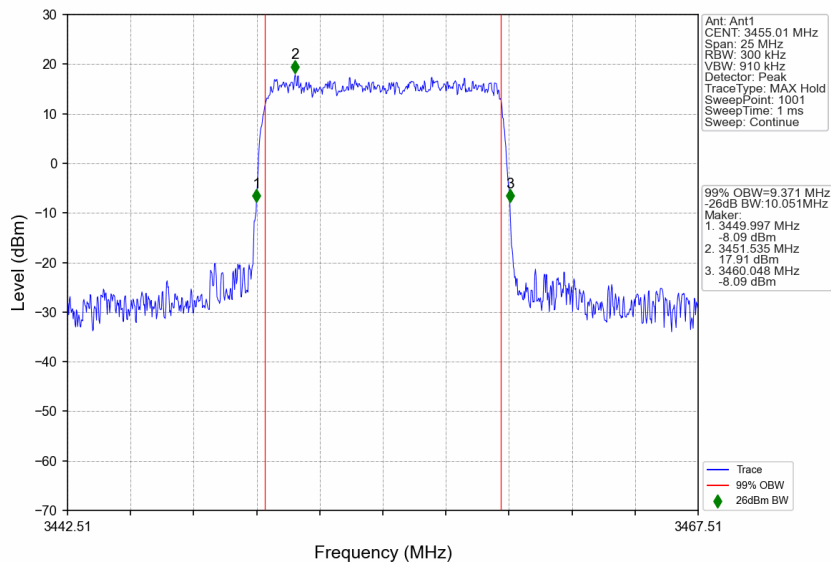
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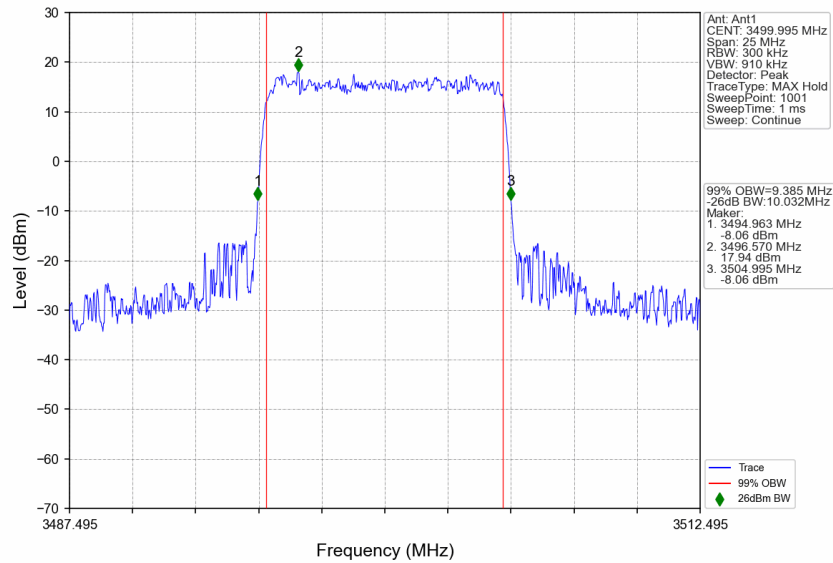
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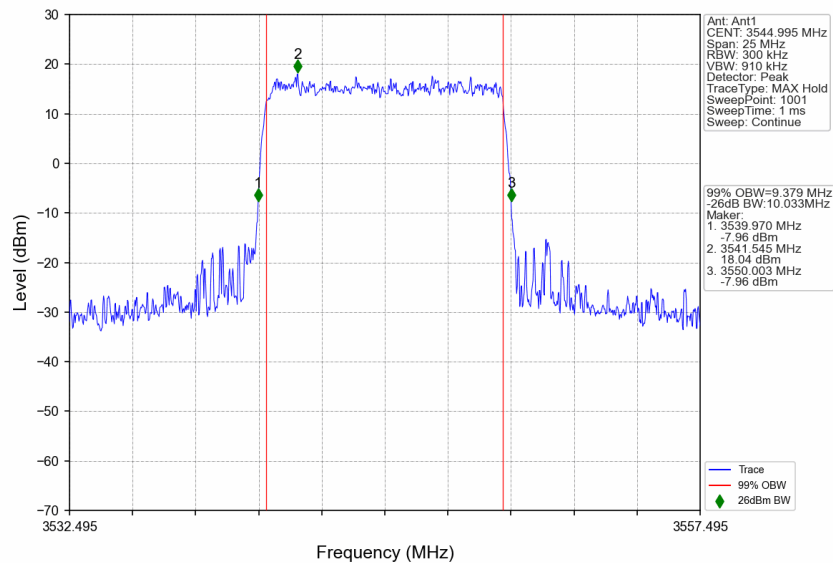
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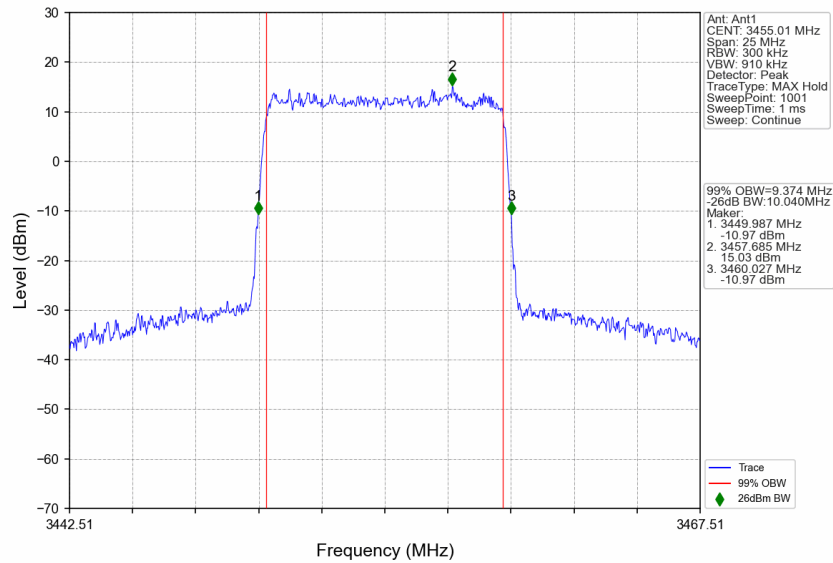


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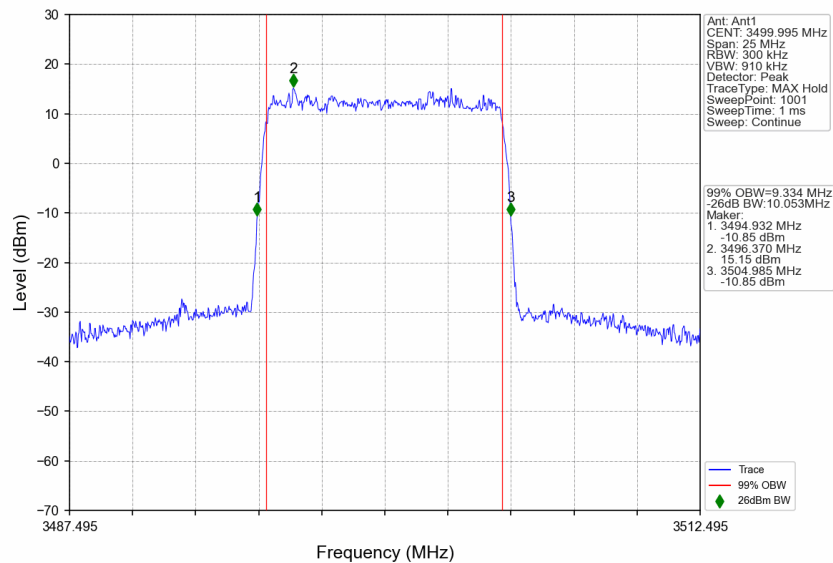
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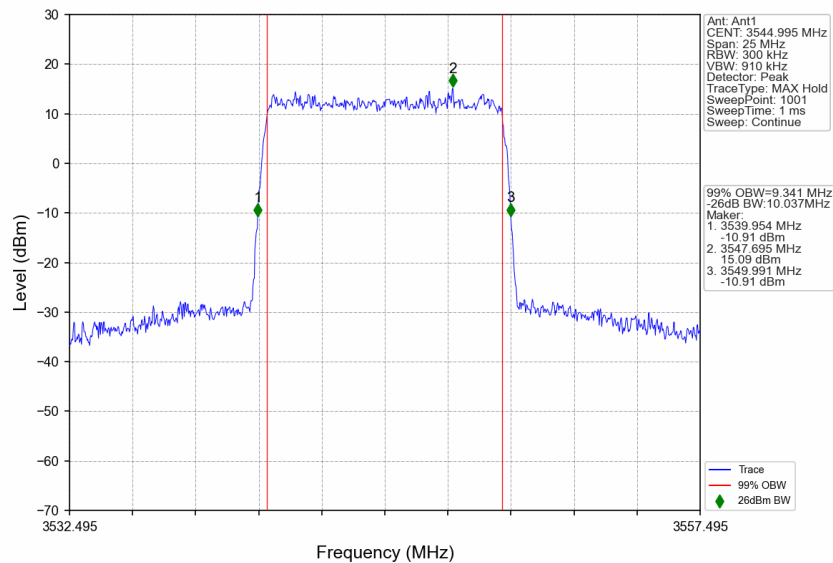


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## 4.2 15k\_SISO\_15MHz\_NTNV

### 4.2.1 Test Result

5G NR n77d SCS=15kHz SISO 15MHz NTNv						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3457.5	Outer_Full	13.56	14.53	/	Pass
	3499.995	Outer_Full	13.59	14.53	/	Pass
	3542.49	Outer_Full	13.59	14.53	/	Pass
DFT-s-OFDM QPSK	3457.5	Outer_Full	13.56	14.55	/	Pass
	3499.995	Outer_Full	13.59	14.59	/	Pass
	3542.49	Outer_Full	13.59	14.58	/	Pass
DFT-s-OFDM 16 QAM	3457.5	Outer_Full	13.57	14.54	/	Pass
	3499.995	Outer_Full	13.58	14.54	/	Pass
	3542.49	Outer_Full	13.53	14.54	/	Pass
DFT-s-OFDM 64 QAM	3457.5	Outer_Full	13.58	14.55	/	Pass
	3499.995	Outer_Full	13.56	14.55	/	Pass
	3542.49	Outer_Full	13.54	14.54	/	Pass
DFT-s-OFDM 256 QAM	3457.5	Outer_Full	13.52	14.53	/	Pass
	3499.995	Outer_Full	13.55	14.53	/	Pass
	3542.49	Outer_Full	13.57	14.58	/	Pass
CP-OFDM QPSK	3457.5	Outer_Full	14.20	15.23	/	Pass
	3499.995	Outer_Full	14.18	15.23	/	Pass
	3542.49	Outer_Full	14.19	15.24	/	Pass
CP-OFDM 16 QAM	3457.5	Outer_Full	14.24	15.23	/	Pass
	3499.995	Outer_Full	14.30	15.27	/	Pass
	3542.49	Outer_Full	14.22	15.24	/	Pass
CP-OFDM 64 QAM	3457.5	Outer_Full	14.27	15.25	/	Pass
	3499.995	Outer_Full	14.28	15.24	/	Pass
	3542.49	Outer_Full	14.27	15.26	/	Pass
CP-OFDM 256 QAM	3457.5	Outer_Full	14.24	15.23	/	Pass
	3499.995	Outer_Full	14.26	15.26	/	Pass
	3542.49	Outer_Full	14.26	15.27	/	Pass

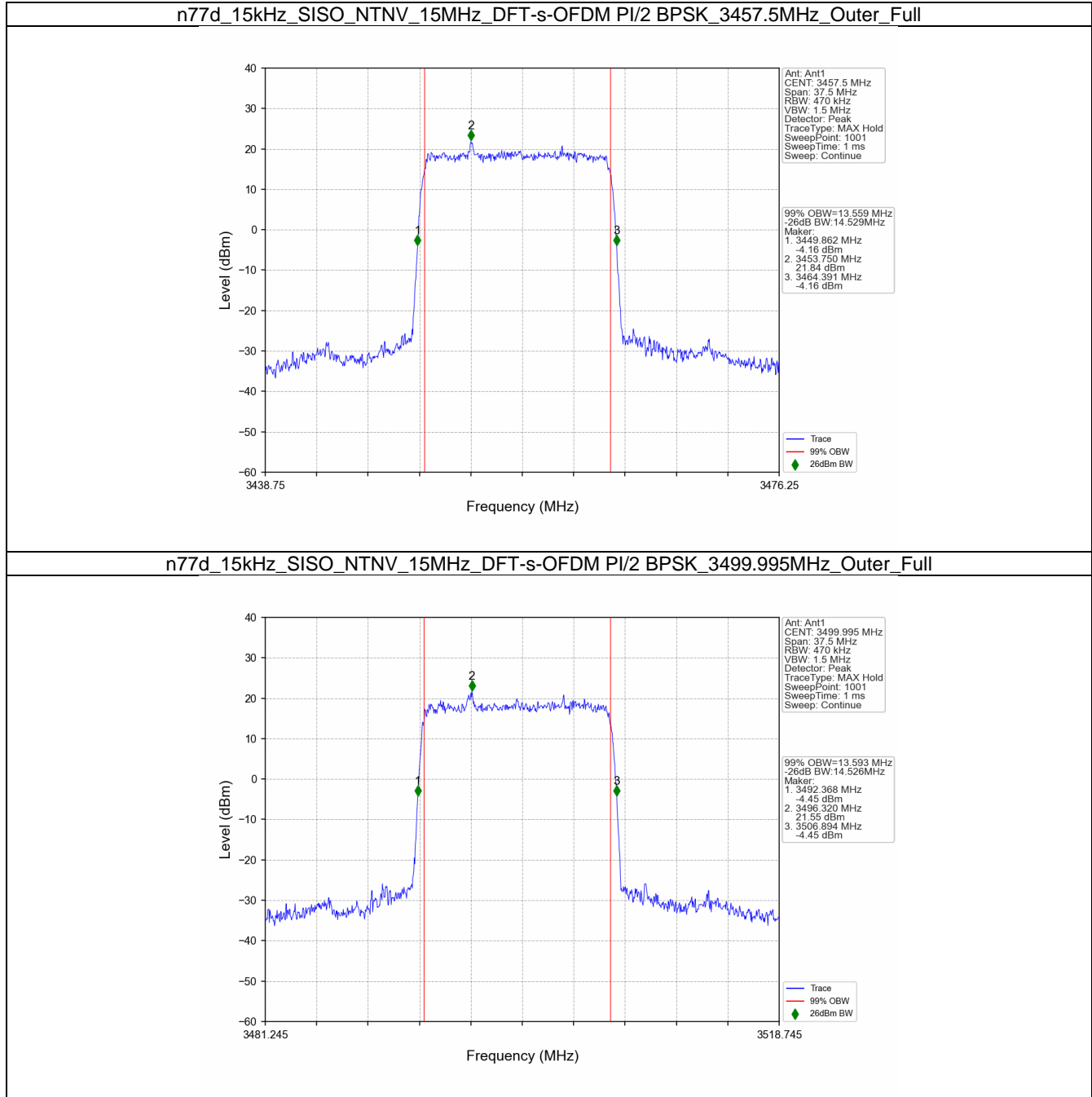


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4.2.2 Test Graph



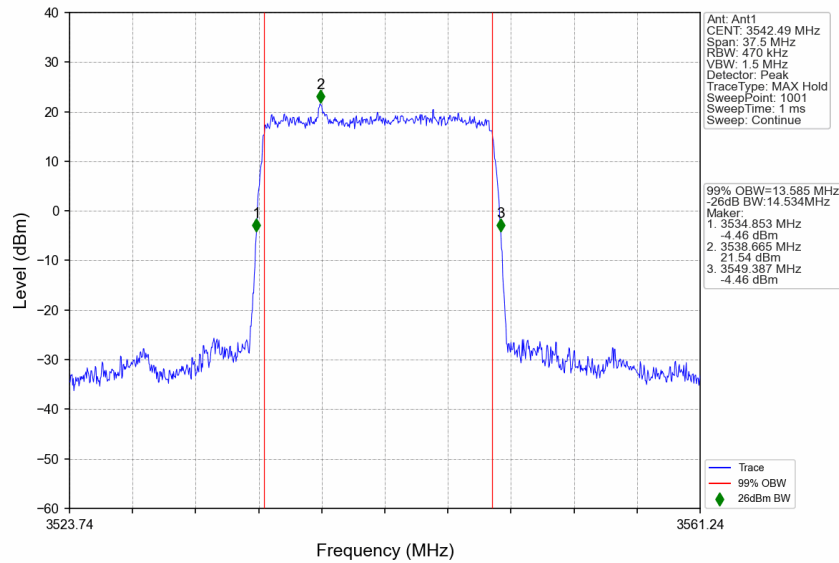
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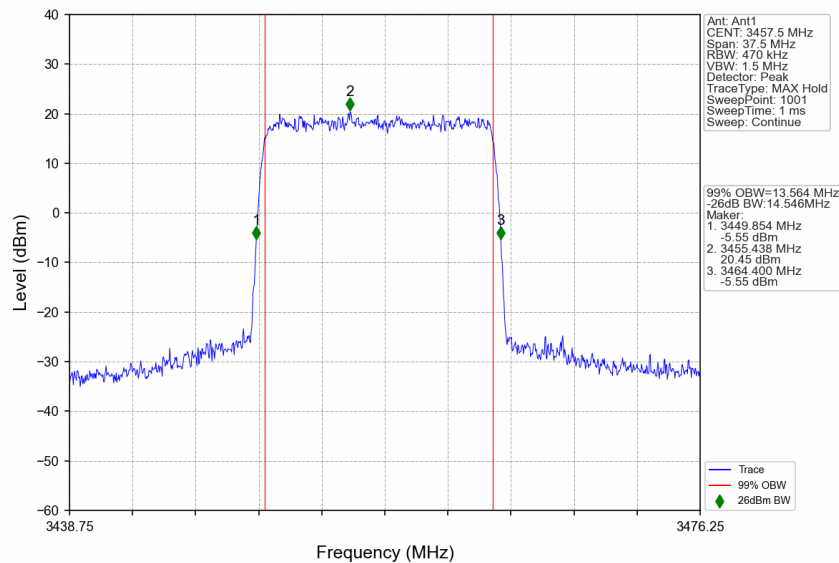
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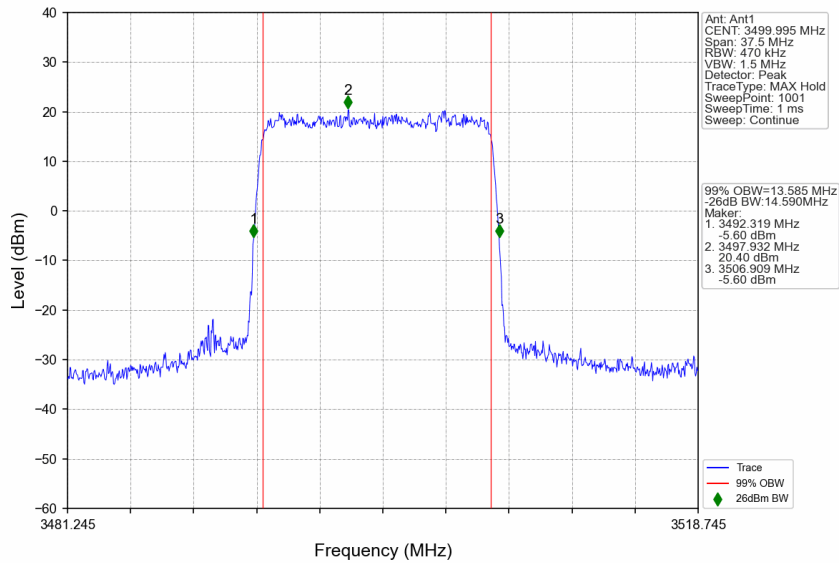


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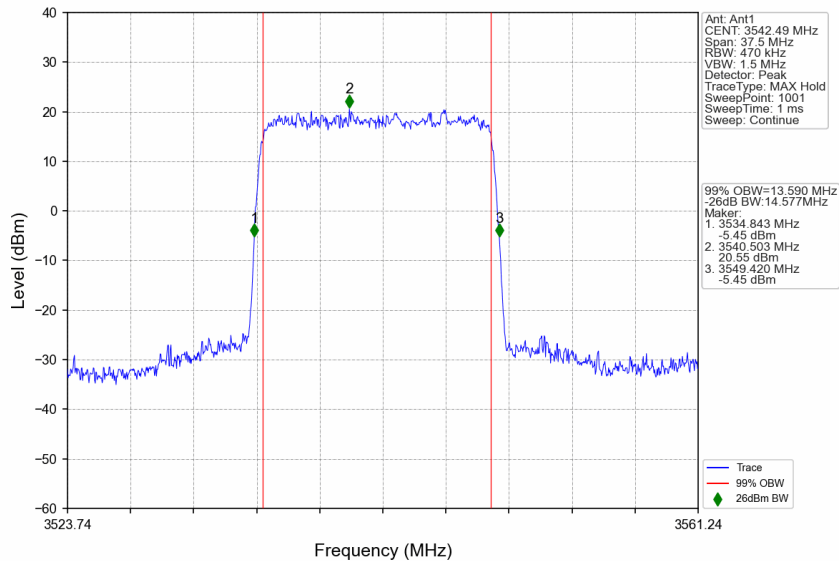
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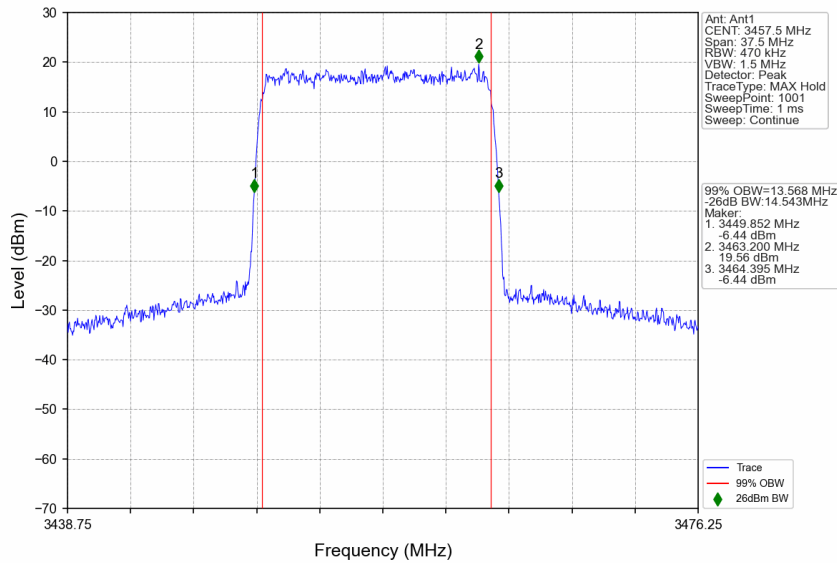


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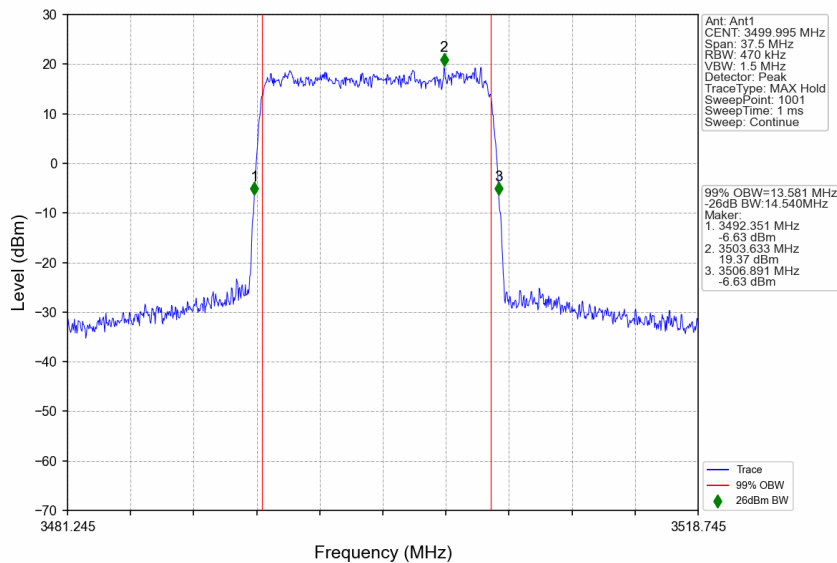
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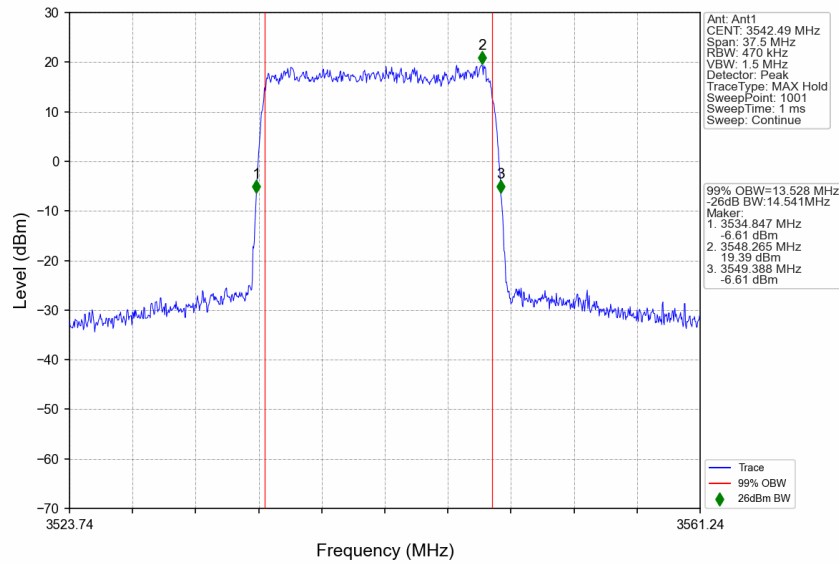


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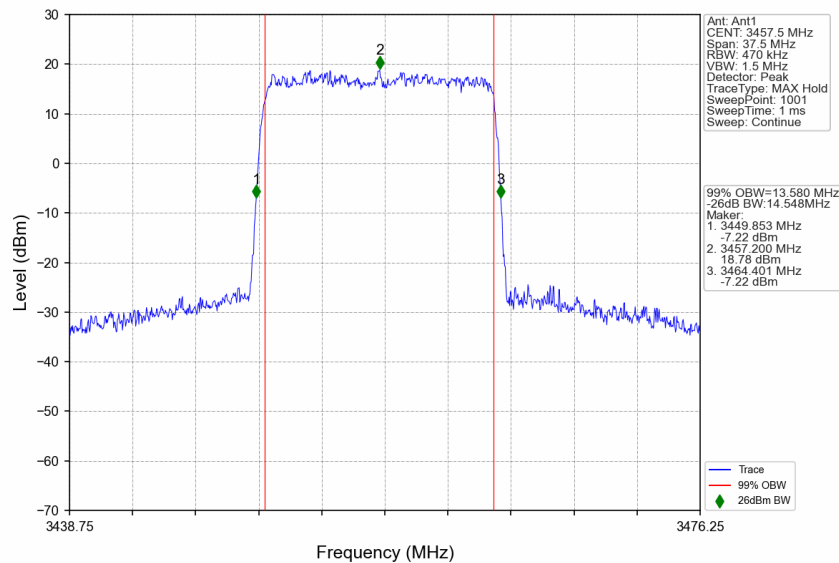
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n77d\_15kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM 16 QAM\_3542.49MHz\_Outer\_Full



n77d\_15kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM 64 QAM\_3457.5MHz\_Outer\_Full

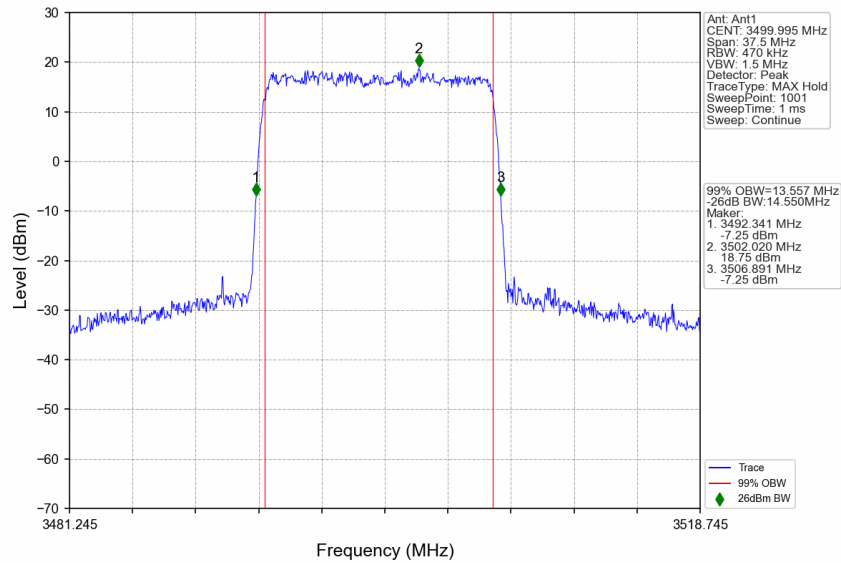


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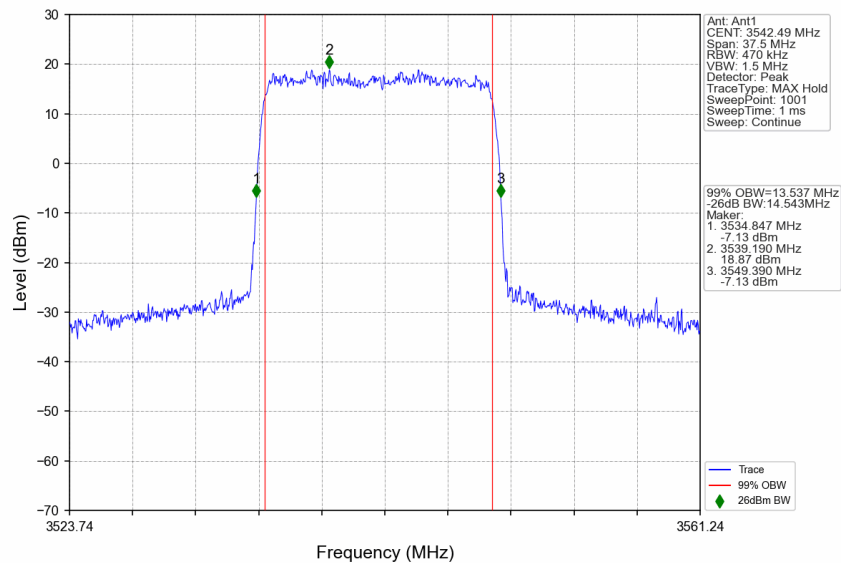
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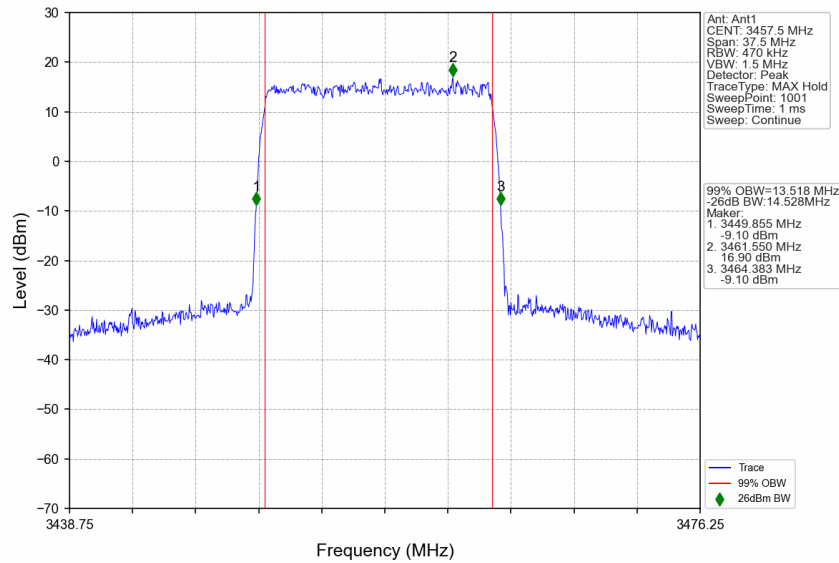
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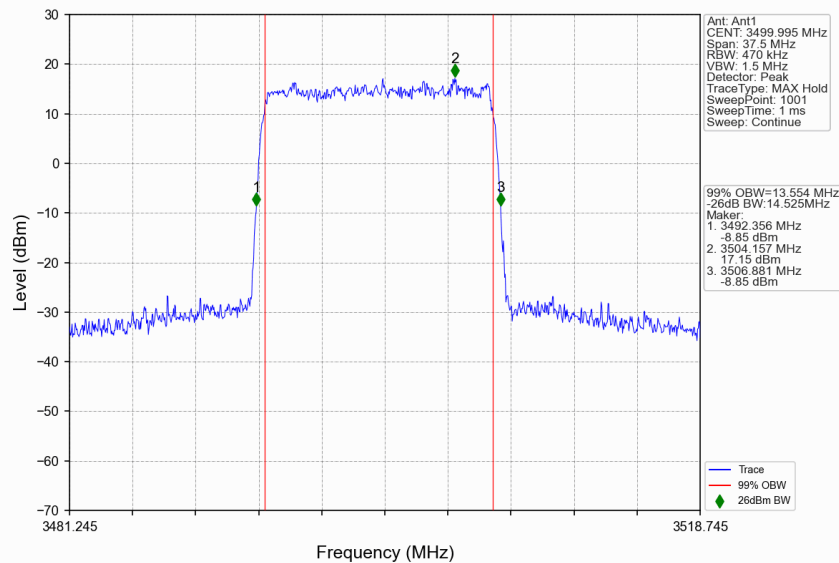
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n77d\_15kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM 256 QAM\_3457.5MHz\_Outer\_Full



n77d\_15kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM 256 QAM\_3499.995MHz\_Outer\_Full

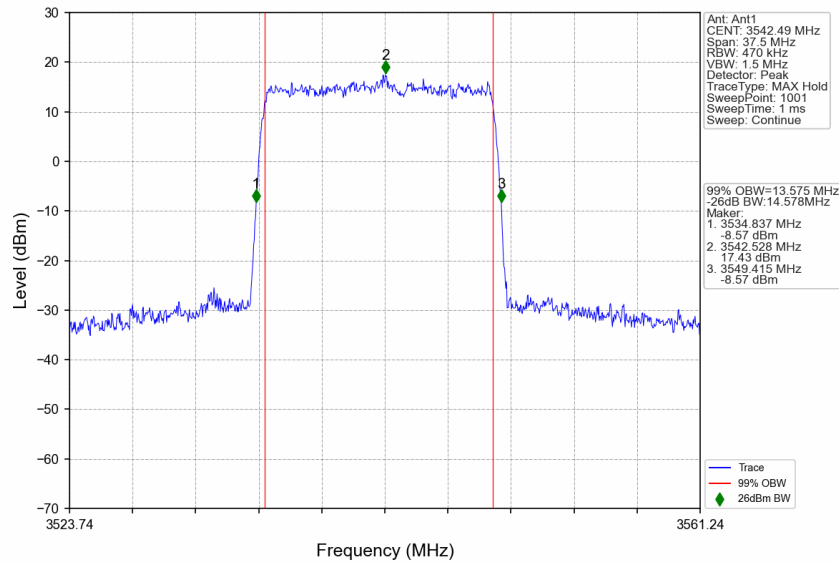


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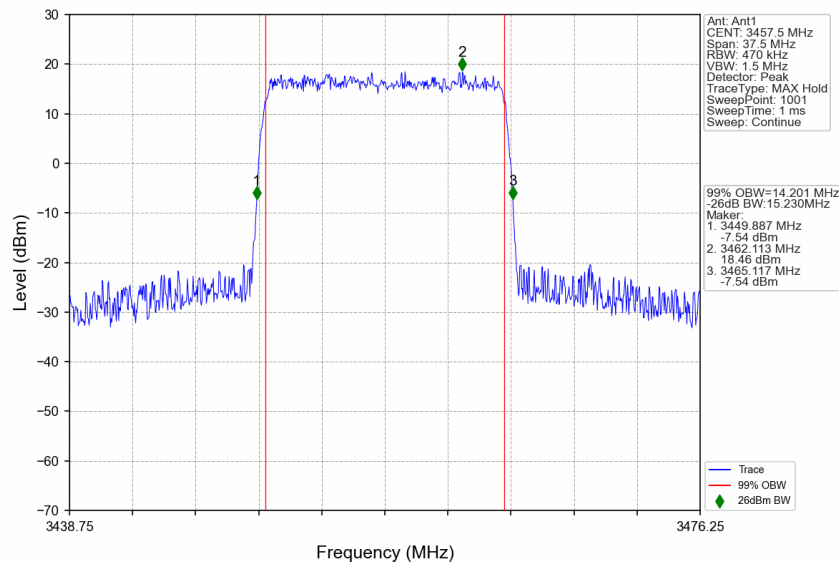
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n77d\_15kHz\_SISO\_NTNV\_15MHz\_DFT-s-OFDM 256 QAM\_3542.49MHz\_Outer\_Full



n77d\_15kHz\_SISO\_NTNV\_15MHz\_CP-OFDM QPSK\_3457.5MHz\_Outer\_Full

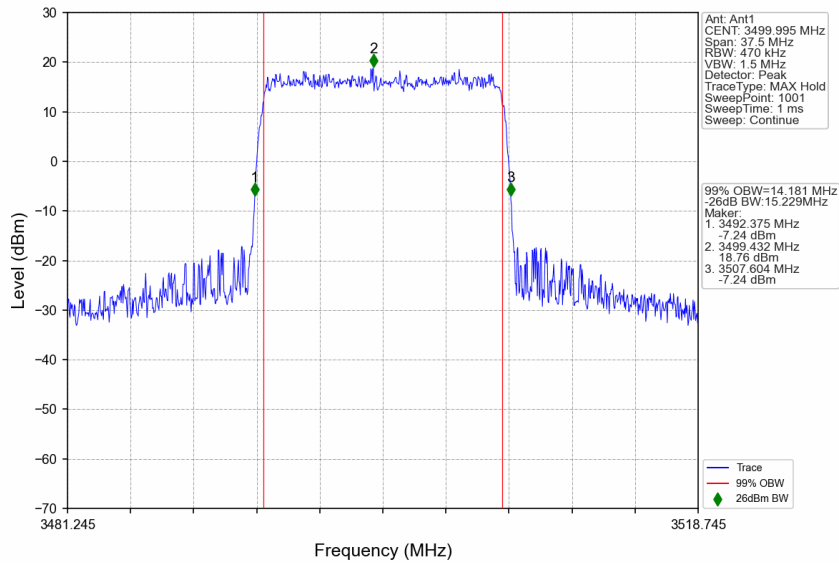


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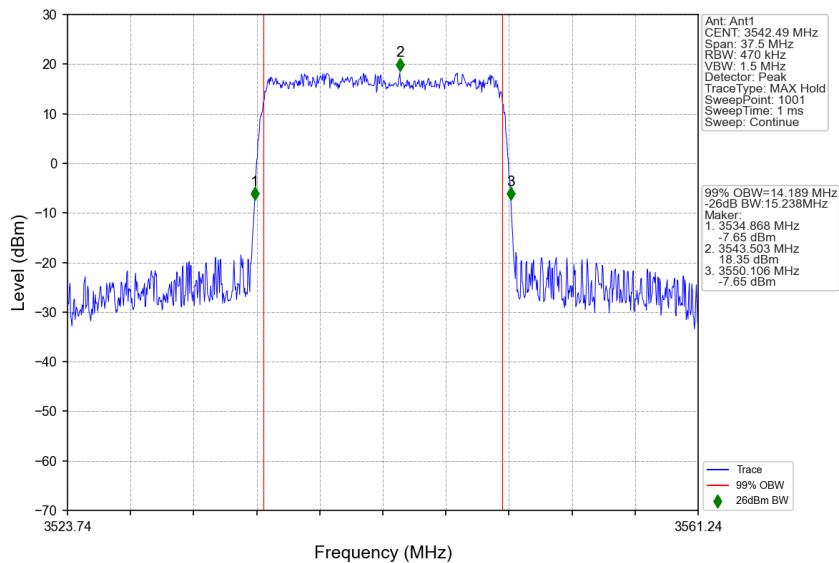
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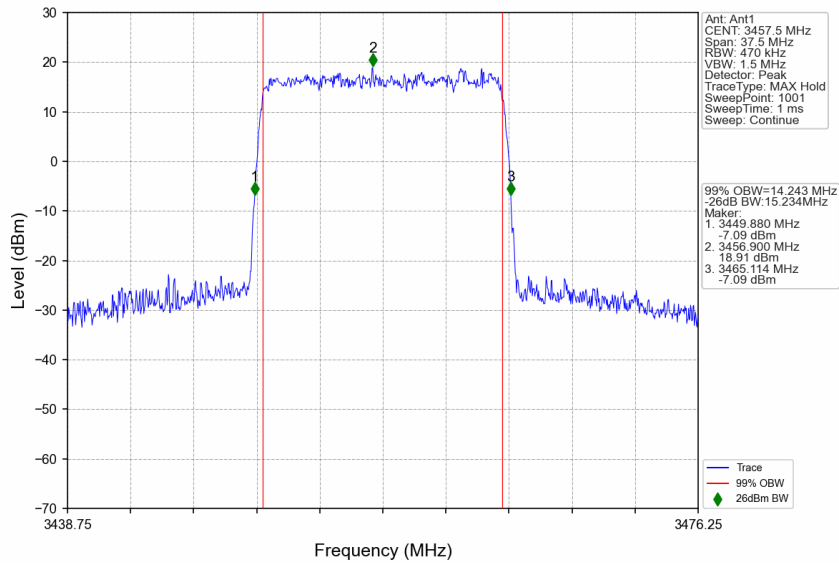


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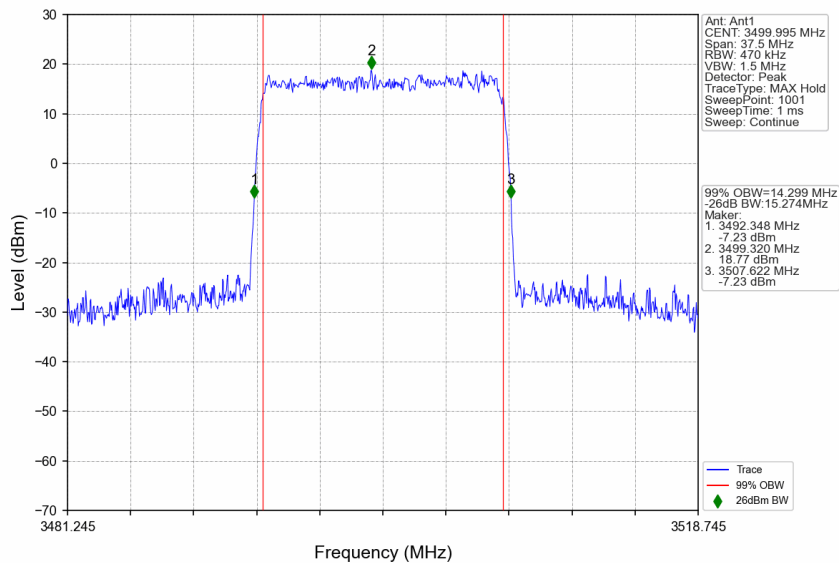
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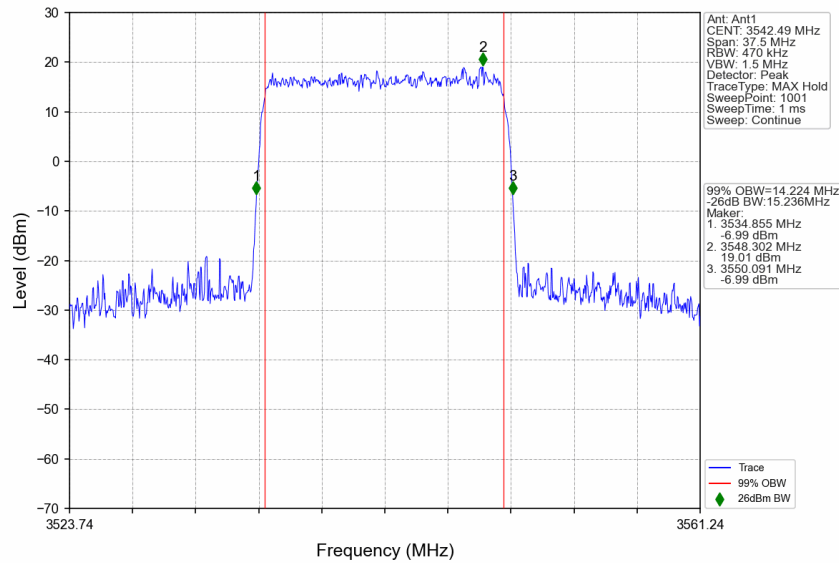


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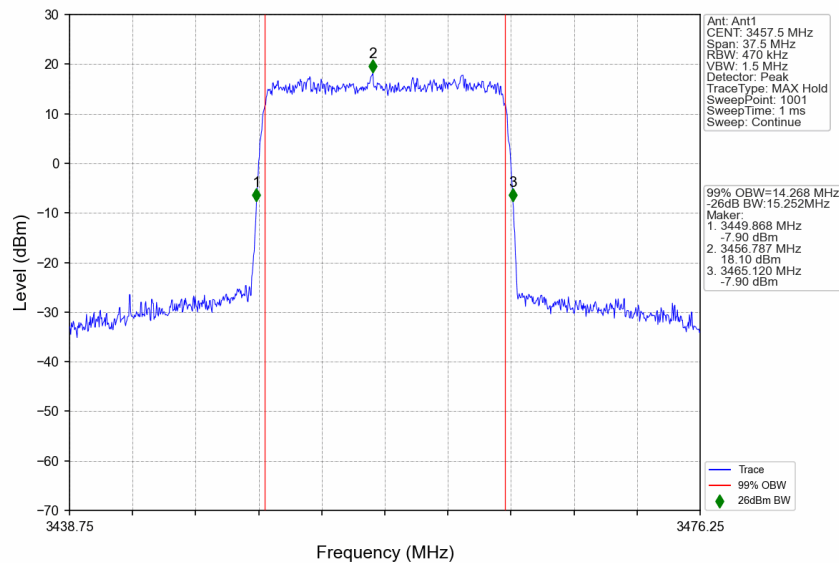
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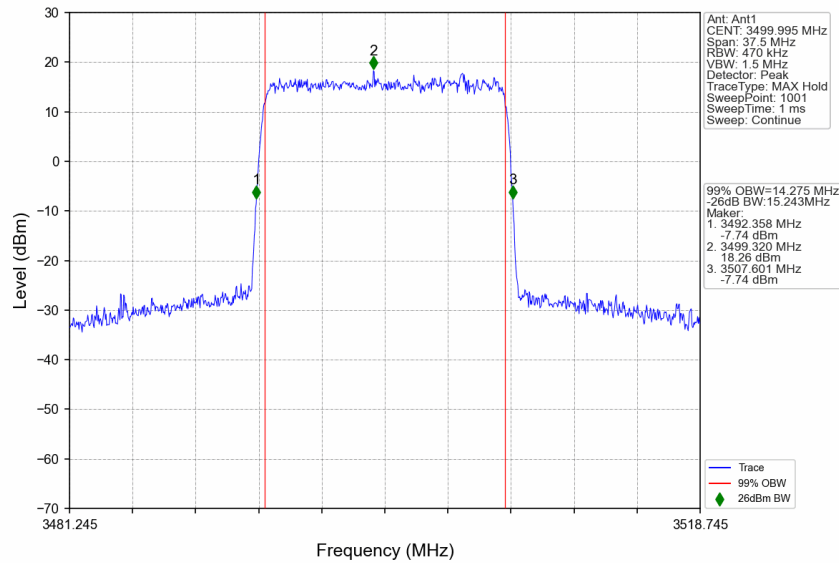
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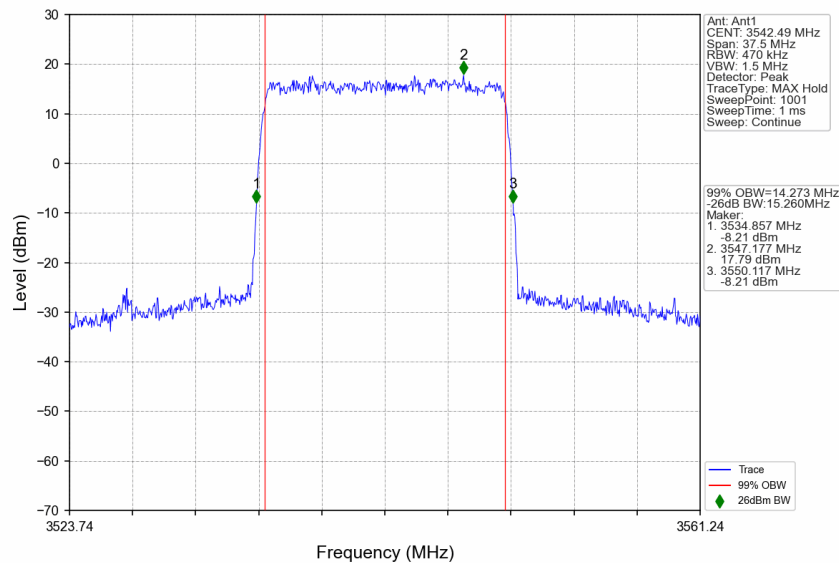
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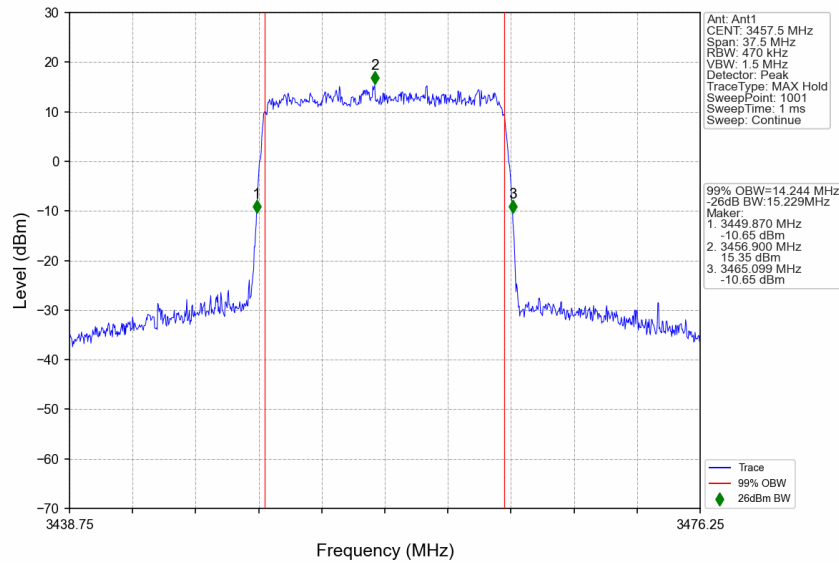


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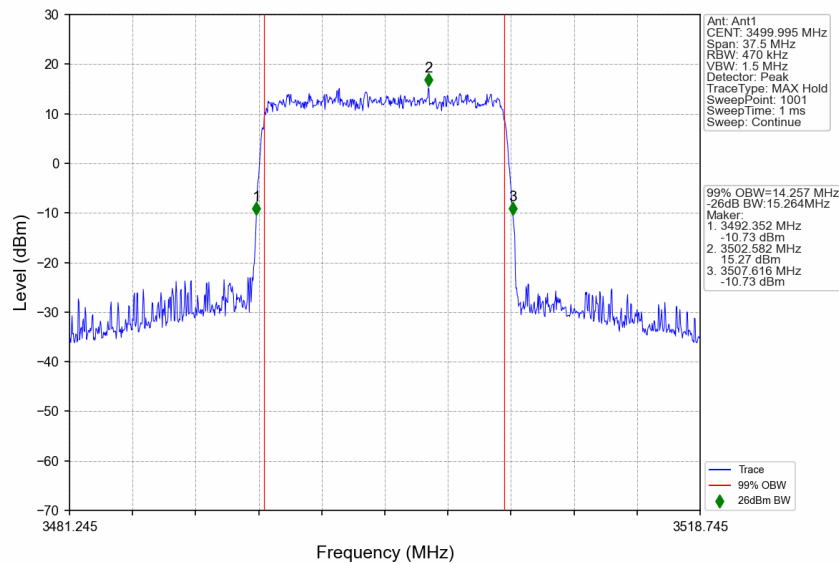
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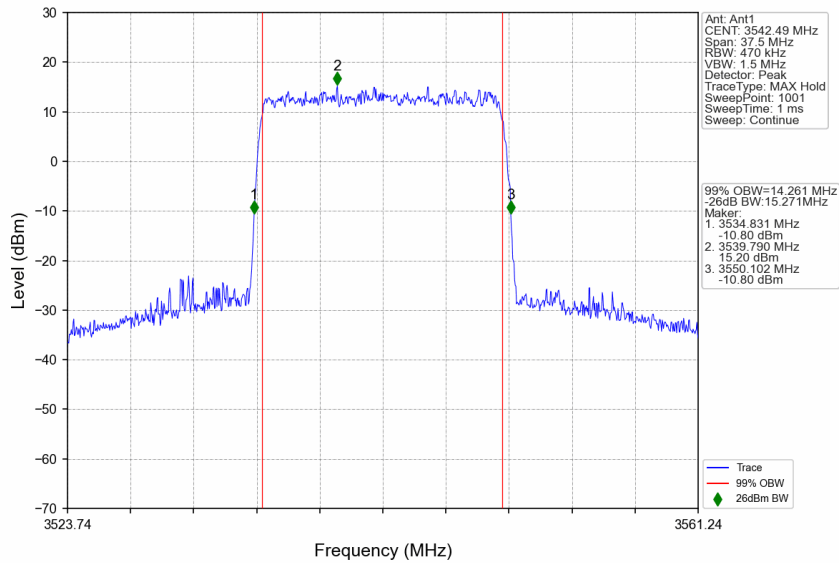


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### 4.3 15k\_SISO\_20MHz\_NTNV

#### 4.3.1 Test Result

5G NR n77d SCS=15kHz SISO 20MHz NTNv						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3460.005	Outer_Full	18.07	19.37	/	Pass
	3499.995	Outer_Full	18.10	19.36	/	Pass
	3540	Outer_Full	18.08	19.39	/	Pass
DFT-s-OFDM QPSK	3460.005	Outer_Full	18.09	19.41	/	Pass
	3499.995	Outer_Full	18.00	19.37	/	Pass
	3540	Outer_Full	18.07	19.41	/	Pass
DFT-s-OFDM 16 QAM	3460.005	Outer_Full	18.06	19.33	/	Pass
	3499.995	Outer_Full	18.04	19.39	/	Pass
	3540	Outer_Full	18.06	19.35	/	Pass
DFT-s-OFDM 64 QAM	3460.005	Outer_Full	18.07	19.39	/	Pass
	3499.995	Outer_Full	18.08	19.44	/	Pass
	3540	Outer_Full	18.10	19.39	/	Pass
DFT-s-OFDM 256 QAM	3460.005	Outer_Full	18.04	19.38	/	Pass
	3499.995	Outer_Full	18.05	19.38	/	Pass
	3540	Outer_Full	18.00	19.35	/	Pass
CP-OFDM QPSK	3460.005	Outer_Full	19.10	20.46	/	Pass
	3499.995	Outer_Full	19.06	20.43	/	Pass
	3540	Outer_Full	19.09	20.46	/	Pass
CP-OFDM 16 QAM	3460.005	Outer_Full	19.05	20.44	/	Pass
	3499.995	Outer_Full	19.07	20.45	/	Pass
	3540	Outer_Full	19.09	20.47	/	Pass
CP-OFDM 64 QAM	3460.005	Outer_Full	19.13	20.43	/	Pass
	3499.995	Outer_Full	19.12	20.45	/	Pass
	3540	Outer_Full	19.07	20.43	/	Pass
CP-OFDM 256 QAM	3460.005	Outer_Full	19.03	20.48	/	Pass
	3499.995	Outer_Full	19.04	20.44	/	Pass
	3540	Outer_Full	19.05	20.44	/	Pass

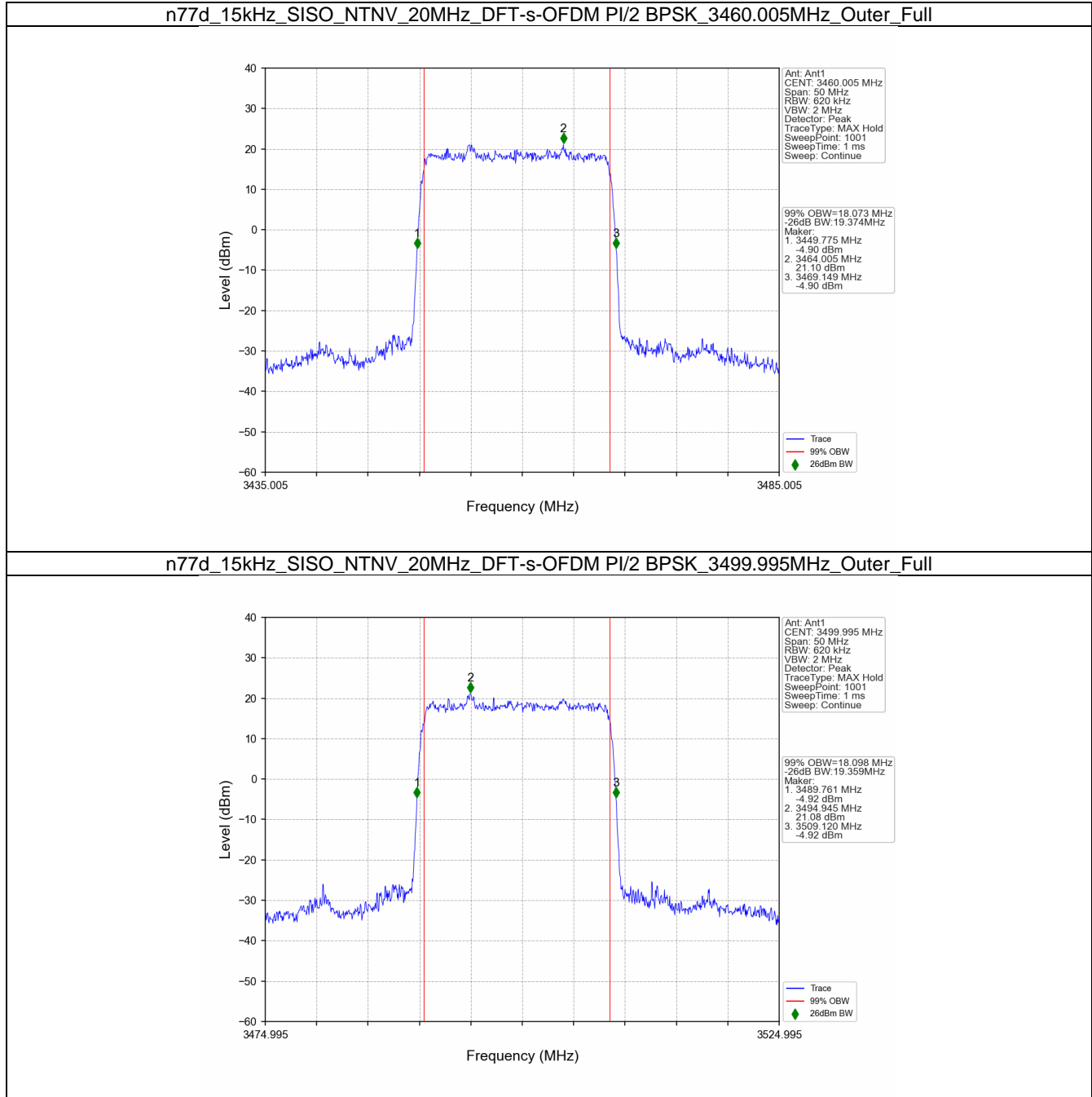


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4.3.2 Test Graph



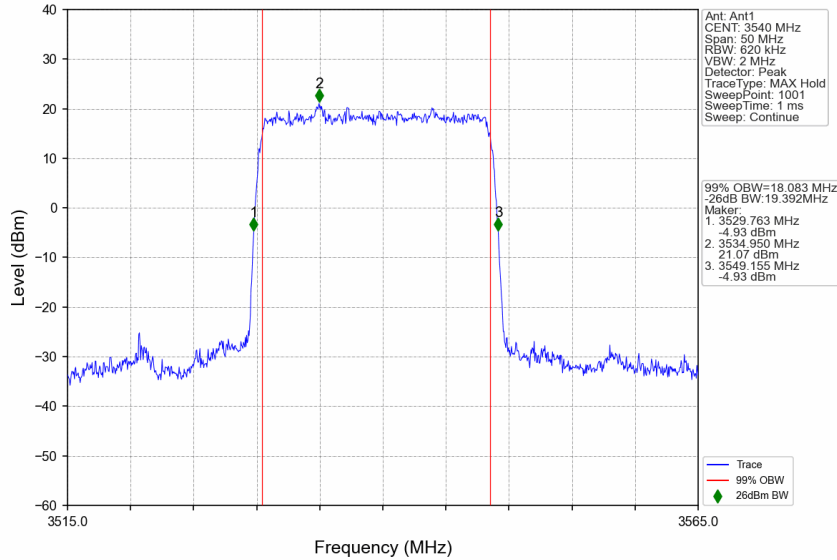
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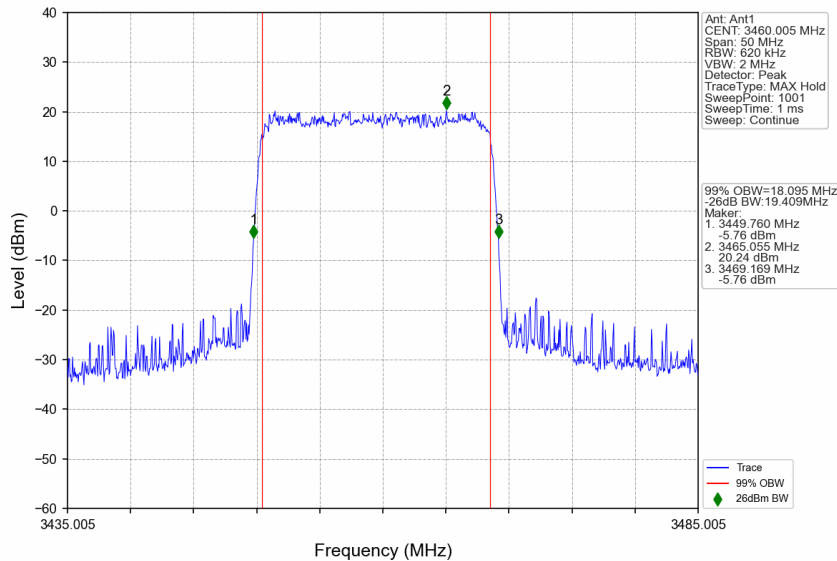
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n77d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM PI/2 BPSK\_3540MHz\_Outer\_Full



n77d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM QPSK\_3460.005MHz\_Outer\_Full

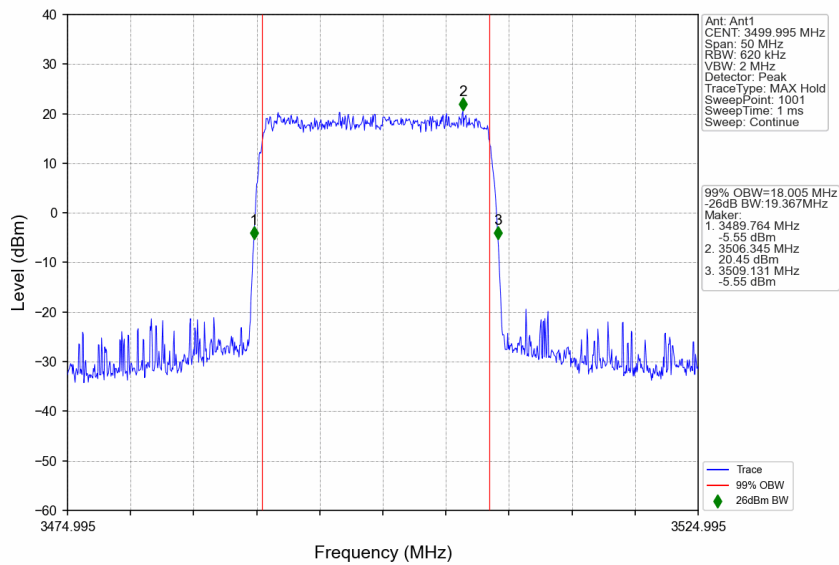


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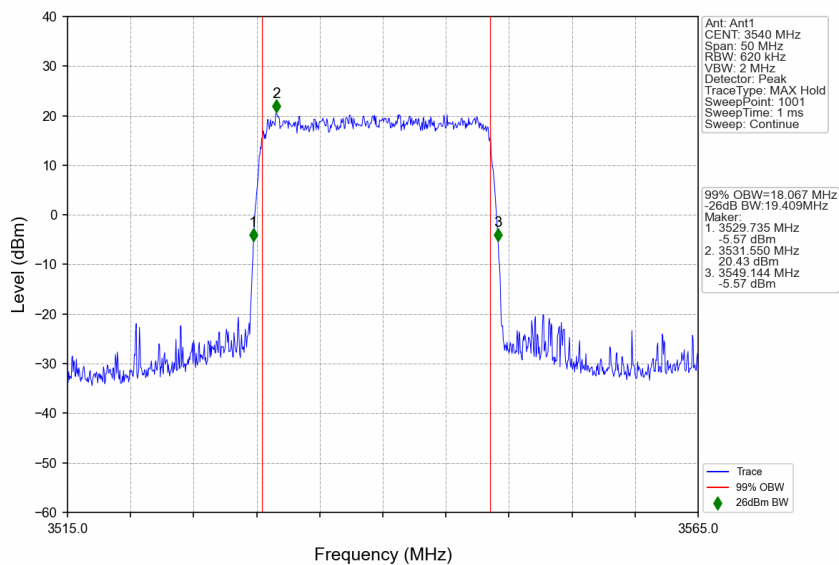
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n77d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM QPSK\_3499.995MHz\_Outer\_Full



n77d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM QPSK\_3540MHz\_Outer\_Full



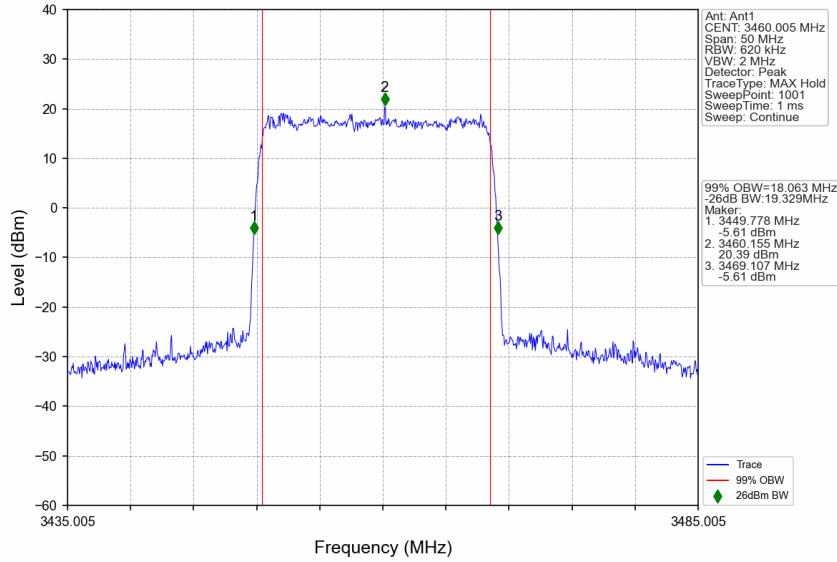
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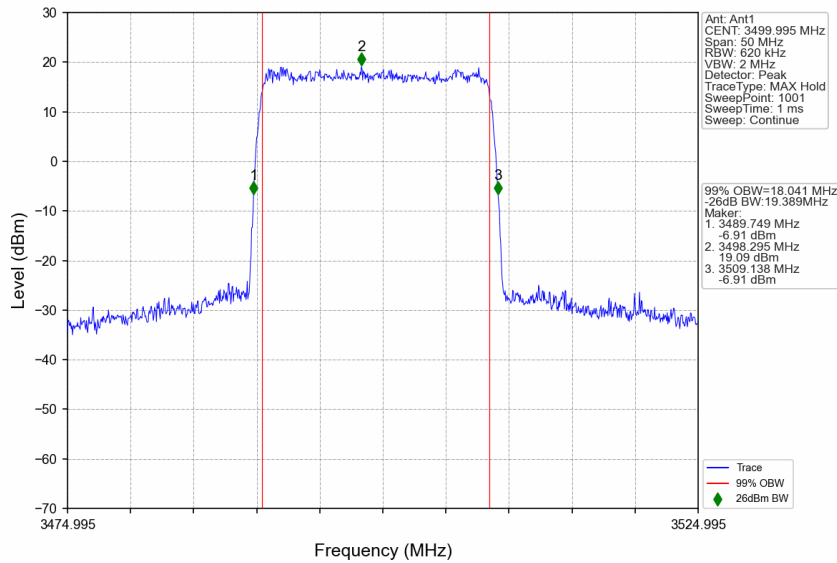
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n77d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 16 QAM\_3460.005MHz\_Outer\_Full



n77d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 16 QAM\_3499.995MHz\_Outer\_Full

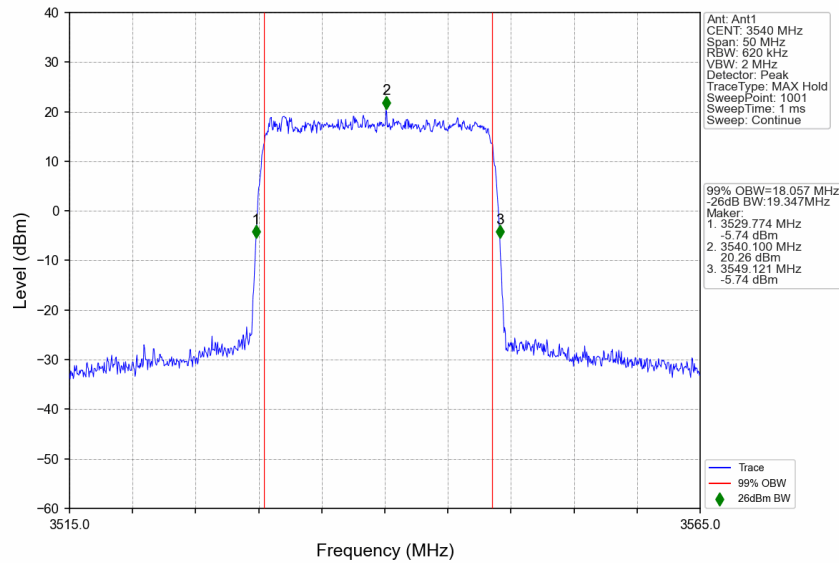


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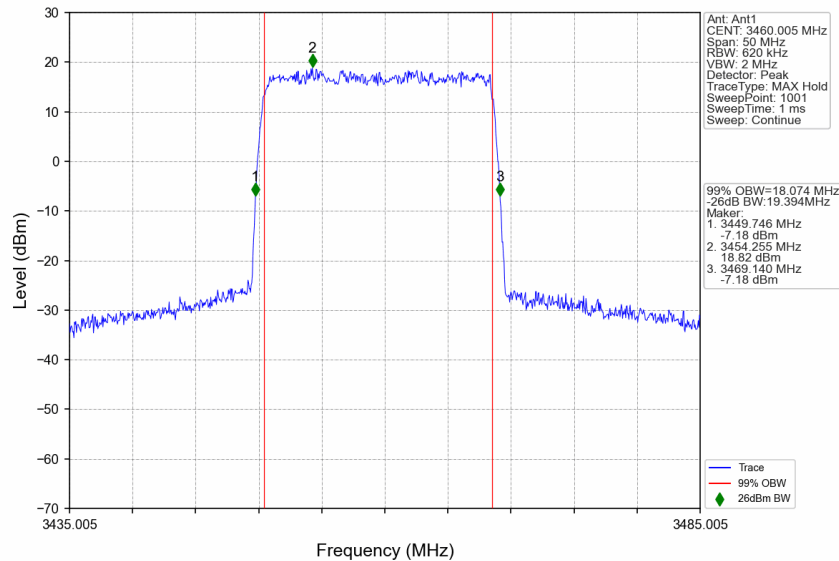
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n77d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 16 QAM\_3540MHz\_Outer\_Full



n77d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 64 QAM\_3460.005MHz\_Outer\_Full

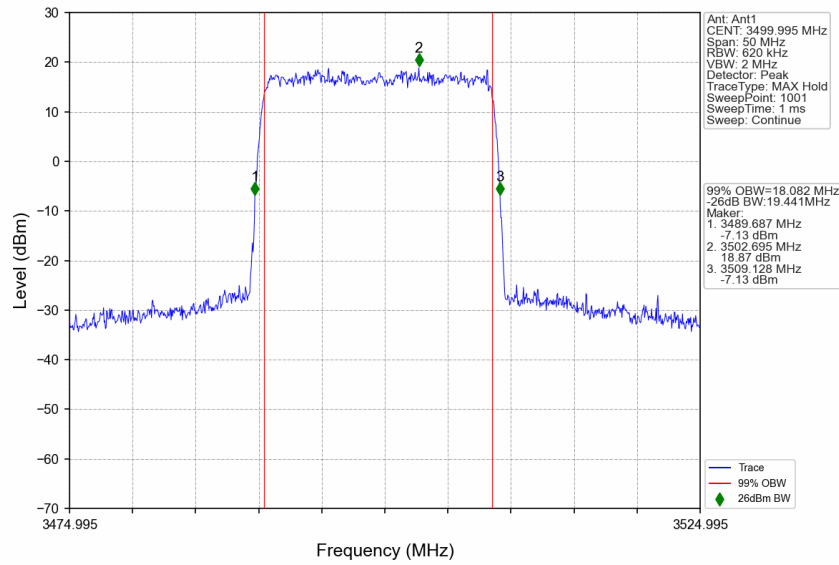


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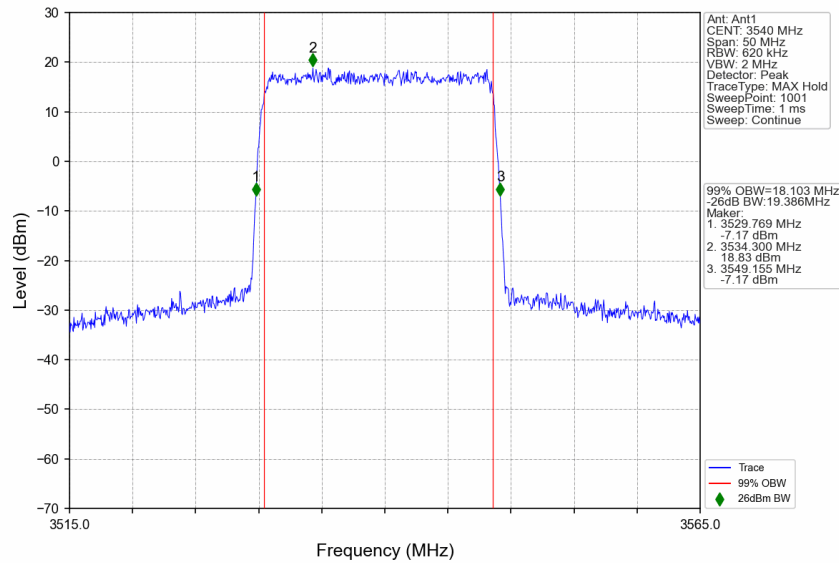
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n77d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 64 QAM\_3499.995MHz\_Outer\_Full



n77d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 64 QAM\_3540MHz\_Outer\_Full

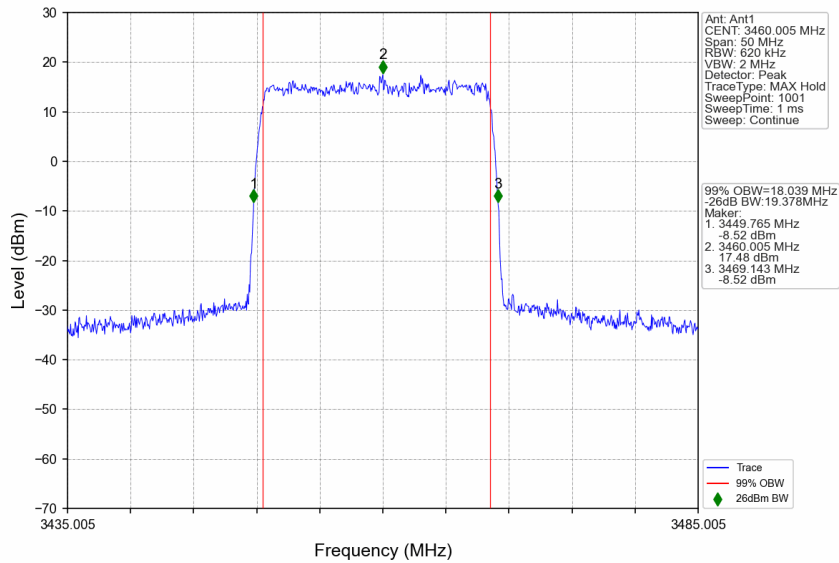


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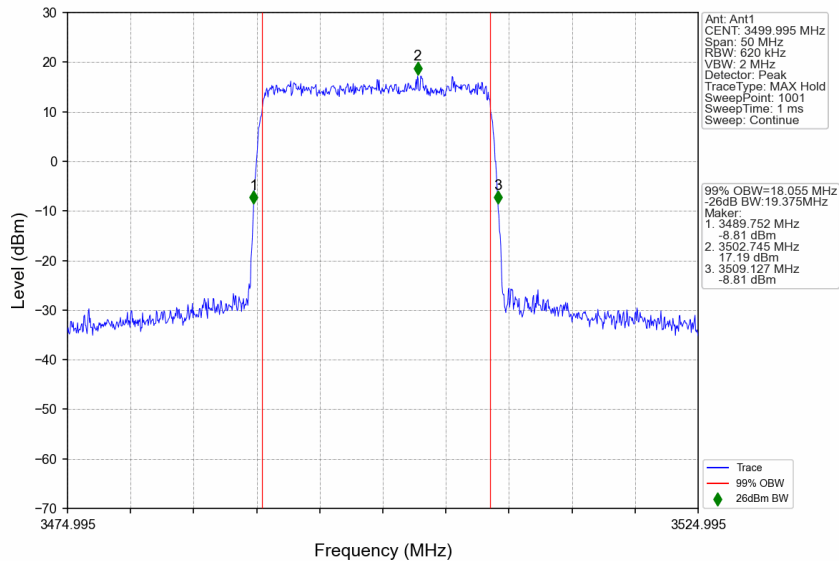
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n77d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 256 QAM\_3460.005MHz\_Outer\_Full



n77d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 256 QAM\_3499.995MHz\_Outer\_Full

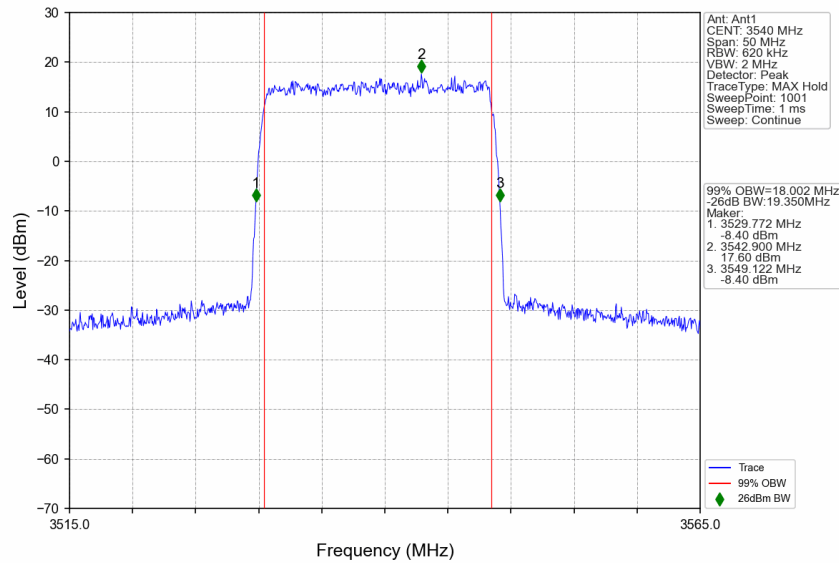


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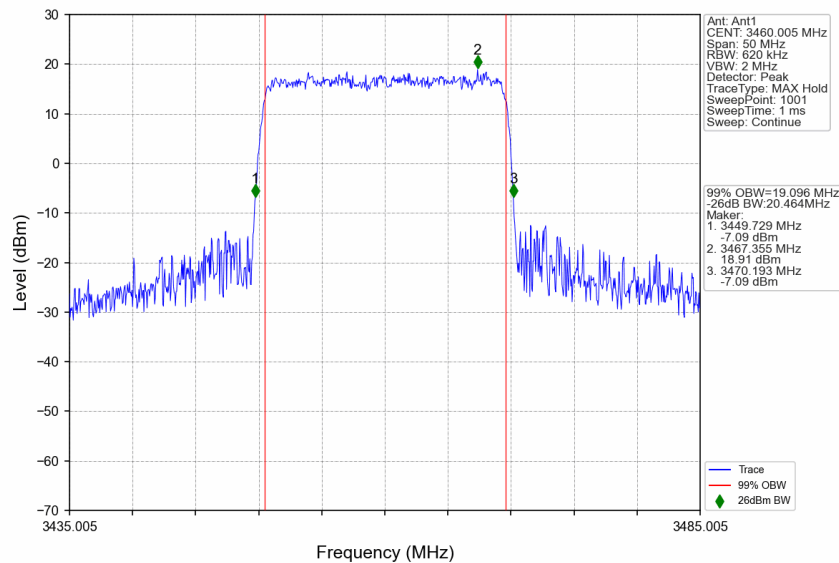
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n77d\_15kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM 256 QAM\_3540MHz\_Outer\_Full



n77d\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM QPSK\_3460.005MHz\_Outer\_Full

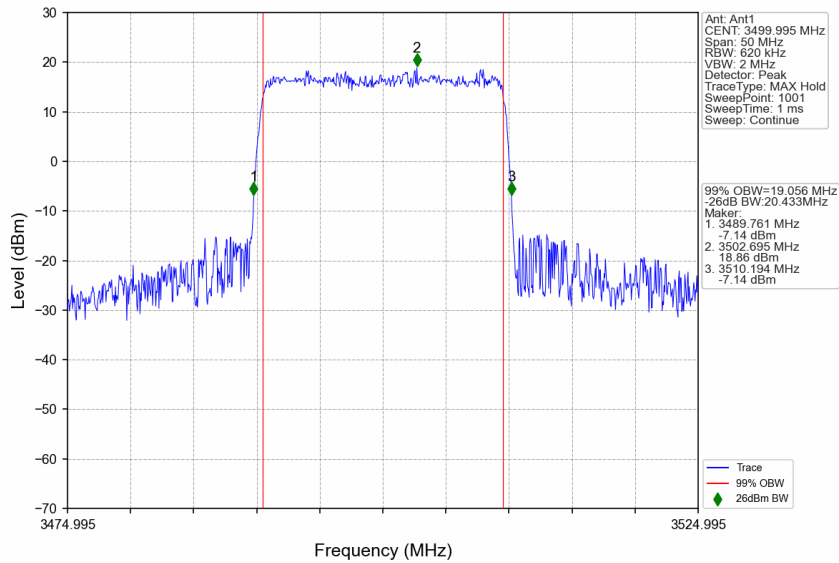


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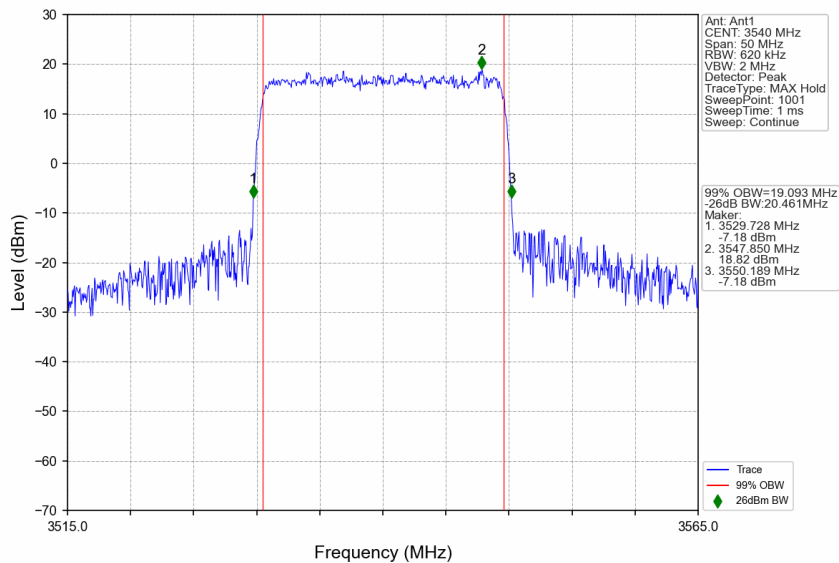
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n77d\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM QPSK\_3499.995MHz\_Outer\_Full



n77d\_15kHz\_SISO\_NTNV\_20MHz\_CP-OFDM QPSK\_3540MHz\_Outer\_Full

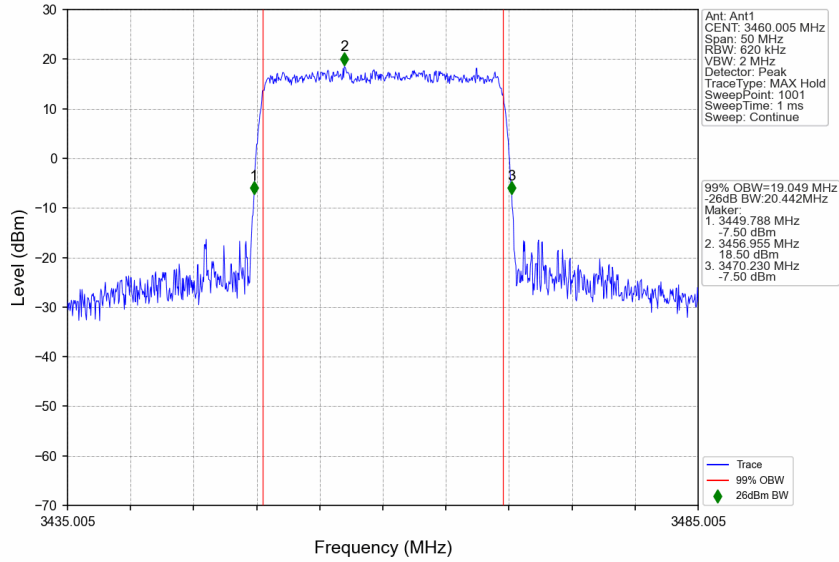


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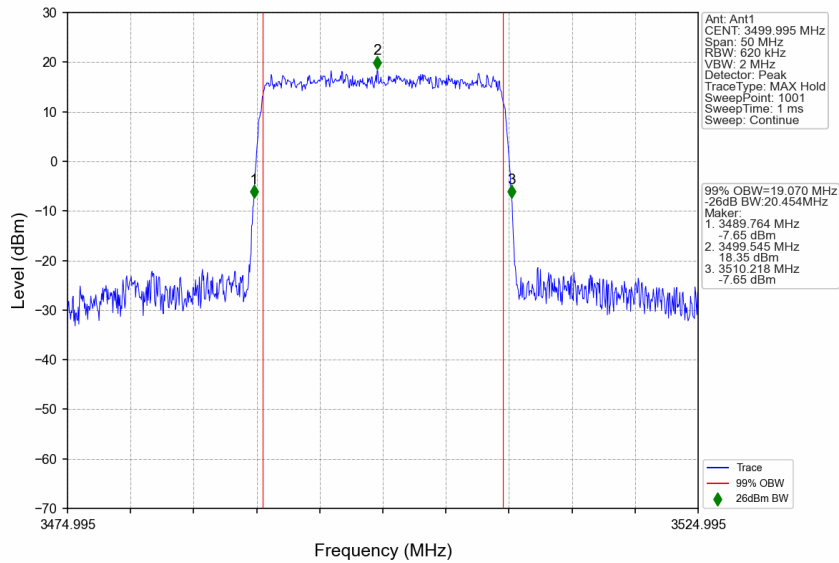
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