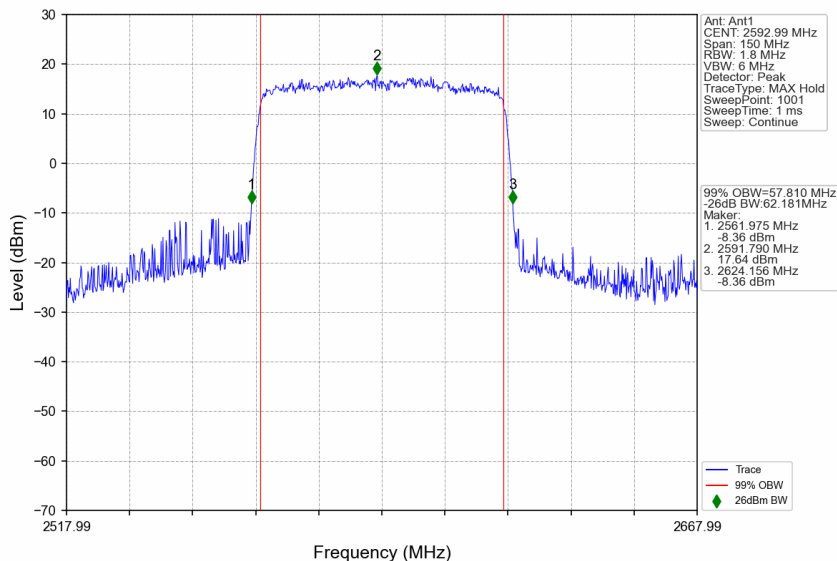
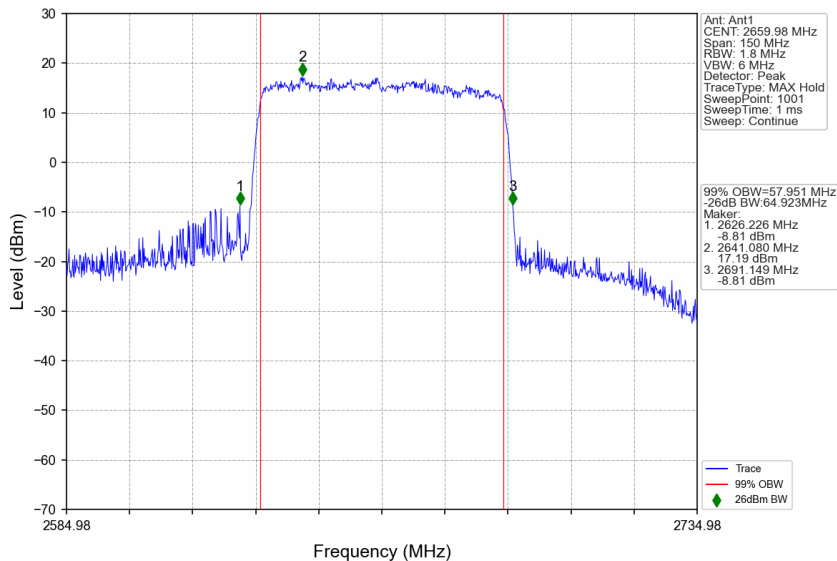


n41_30kHz_SISO_NTNV_60MHz_CP-OFDM QPSK_2592.99MHz_Outer_Full



n41_30kHz_SISO_NTNV_60MHz_CP-OFDM QPSK_2659.98MHz_Outer_Full

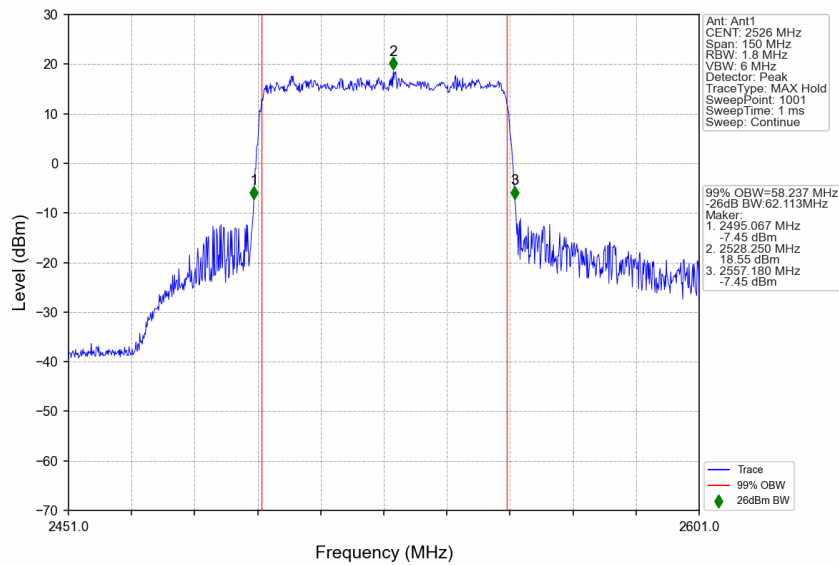


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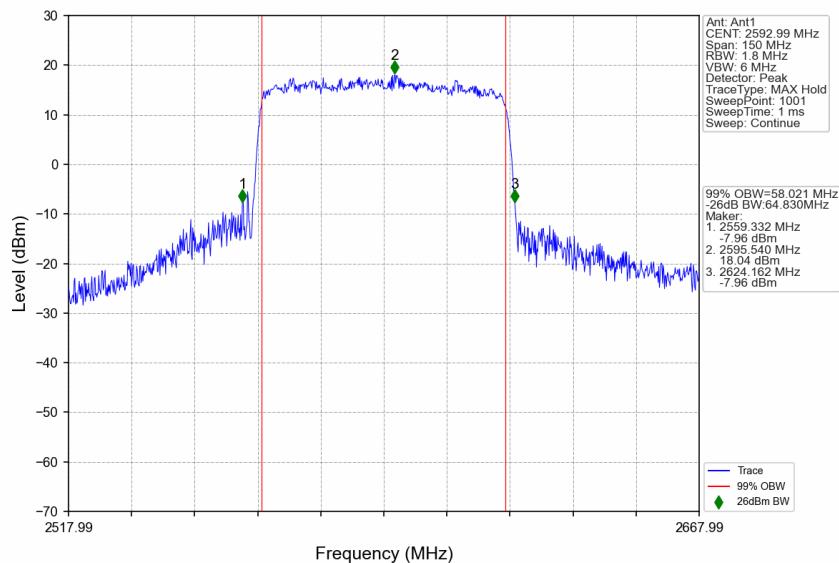
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n41_30kHz_SISO_NTNV_60MHz_CP-OFDM 16 QAM_2526MHz_Outer_Full



n41_30kHz_SISO_NTNV_60MHz_CP-OFDM 16 QAM_2592.99MHz_Outer_Full



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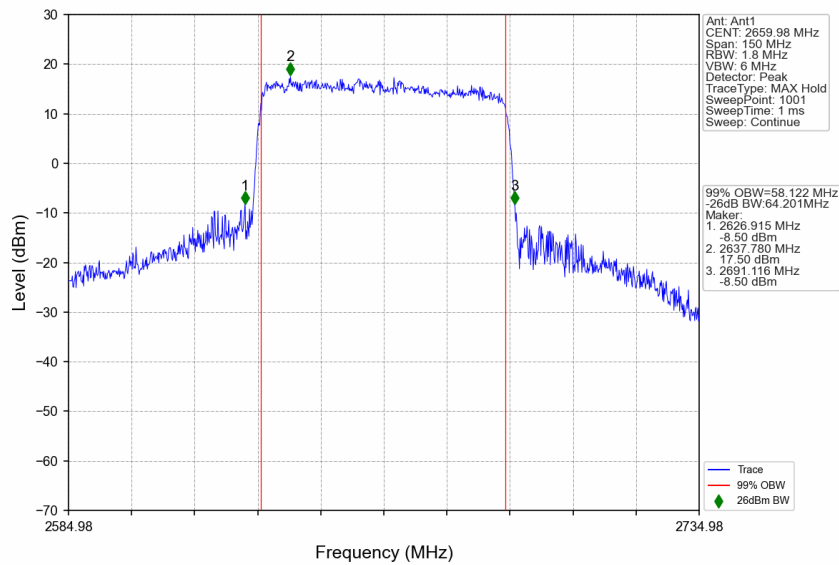
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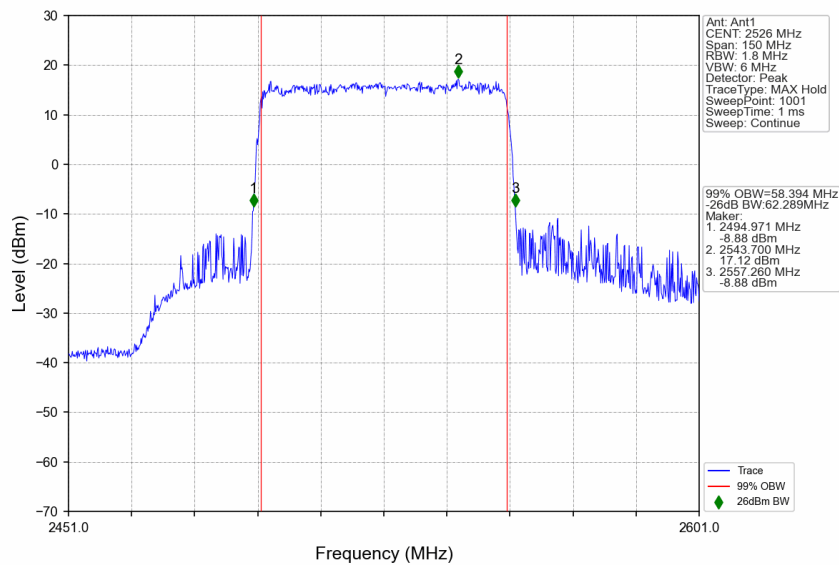
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n41_30kHz_SISO_NTNV_60MHz_CP-OFDM 64 QAM_2526MHz_Outer_Full



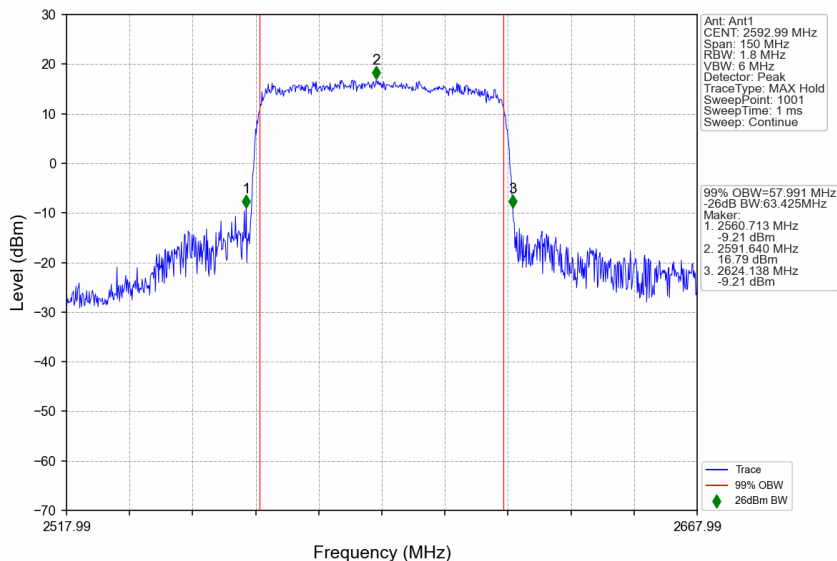
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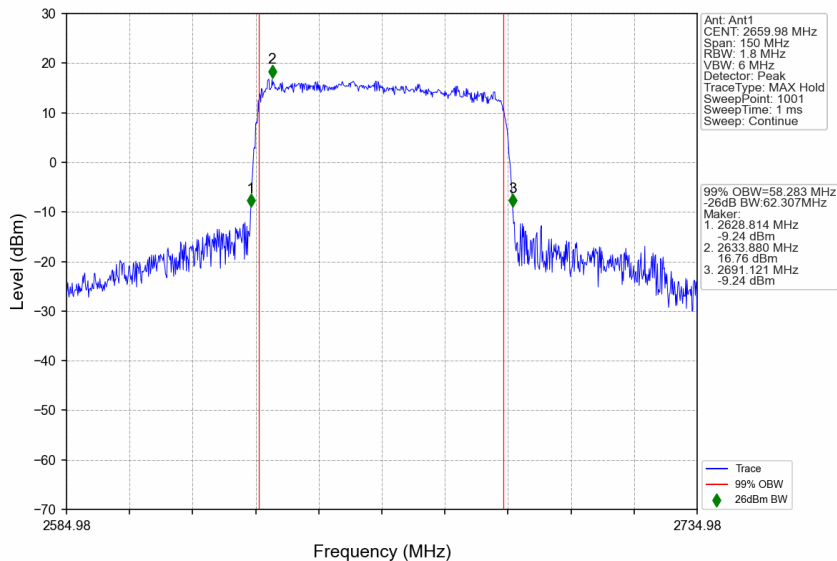
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n41_30kHz_SISO_NTNV_60MHz_CP-OFDM 64 QAM_2592.99MHz_Outer_Full



n41_30kHz_SISO_NTNV_60MHz_CP-OFDM 64 QAM_2659.98MHz_Outer_Full

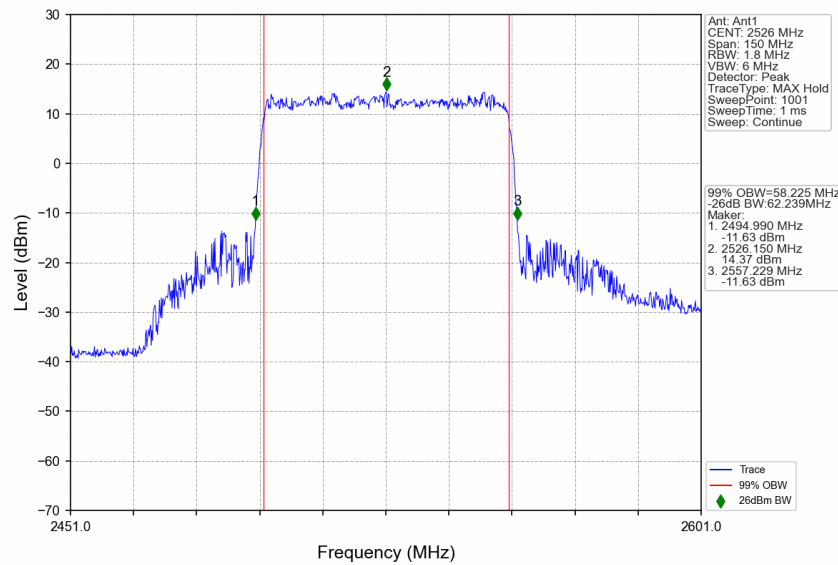


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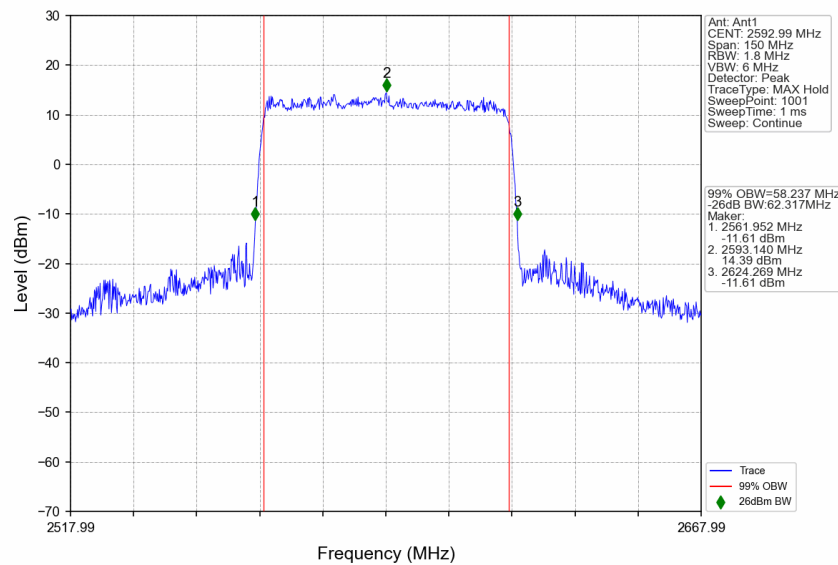
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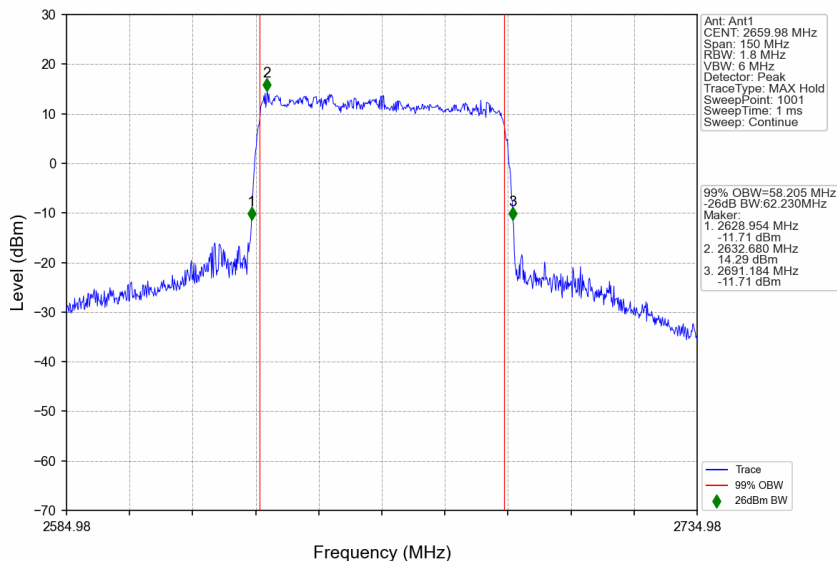


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4.16 30k_SISO_70MHz_NTNV

4.16.1 Test Result

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	65.02	69.52	/	Pass
	2592.99	Outer_Full	65.00	69.53	/	Pass
	2655	Outer_Full	65.01	69.52	/	Pass
DFT-s-OFDM QPSK	2531.01	Outer_Full	64.92	69.74	/	Pass
	2592.99	Outer_Full	64.87	69.53	/	Pass
	2655	Outer_Full	64.94	69.69	/	Pass
DFT-s-OFDM 16 QAM	2531.01	Outer_Full	64.85	69.66	/	Pass
	2592.99	Outer_Full	64.79	69.45	/	Pass
	2655	Outer_Full	64.86	69.43	/	Pass
DFT-s-OFDM 64 QAM	2531.01	Outer_Full	64.92	69.62	/	Pass
	2592.99	Outer_Full	64.93	69.58	/	Pass
	2655	Outer_Full	64.98	69.54	/	Pass
DFT-s-OFDM 256 QAM	2531.01	Outer_Full	65.06	69.56	/	Pass
	2592.99	Outer_Full	64.88	69.42	/	Pass
	2655	Outer_Full	64.96	69.52	/	Pass
CP-OFDM QPSK	2531.01	Outer_Full	68.12	72.76	/	Pass
	2592.99	Outer_Full	68.07	72.79	/	Pass
	2655	Outer_Full	68.23	72.80	/	Pass
CP-OFDM 16 QAM	2531.01	Outer_Full	67.98	72.74	/	Pass
	2592.99	Outer_Full	68.00	72.67	/	Pass
	2655	Outer_Full	68.11	72.74	/	Pass
CP-OFDM 64 QAM	2531.01	Outer_Full	68.01	72.82	/	Pass
	2592.99	Outer_Full	68.03	72.79	/	Pass
	2655	Outer_Full	68.01	72.81	/	Pass
CP-OFDM 256 QAM	2531.01	Outer_Full	67.89	72.81	/	Pass
	2592.99	Outer_Full	68.03	72.86	/	Pass
	2655	Outer_Full	68.04	72.68	/	Pass

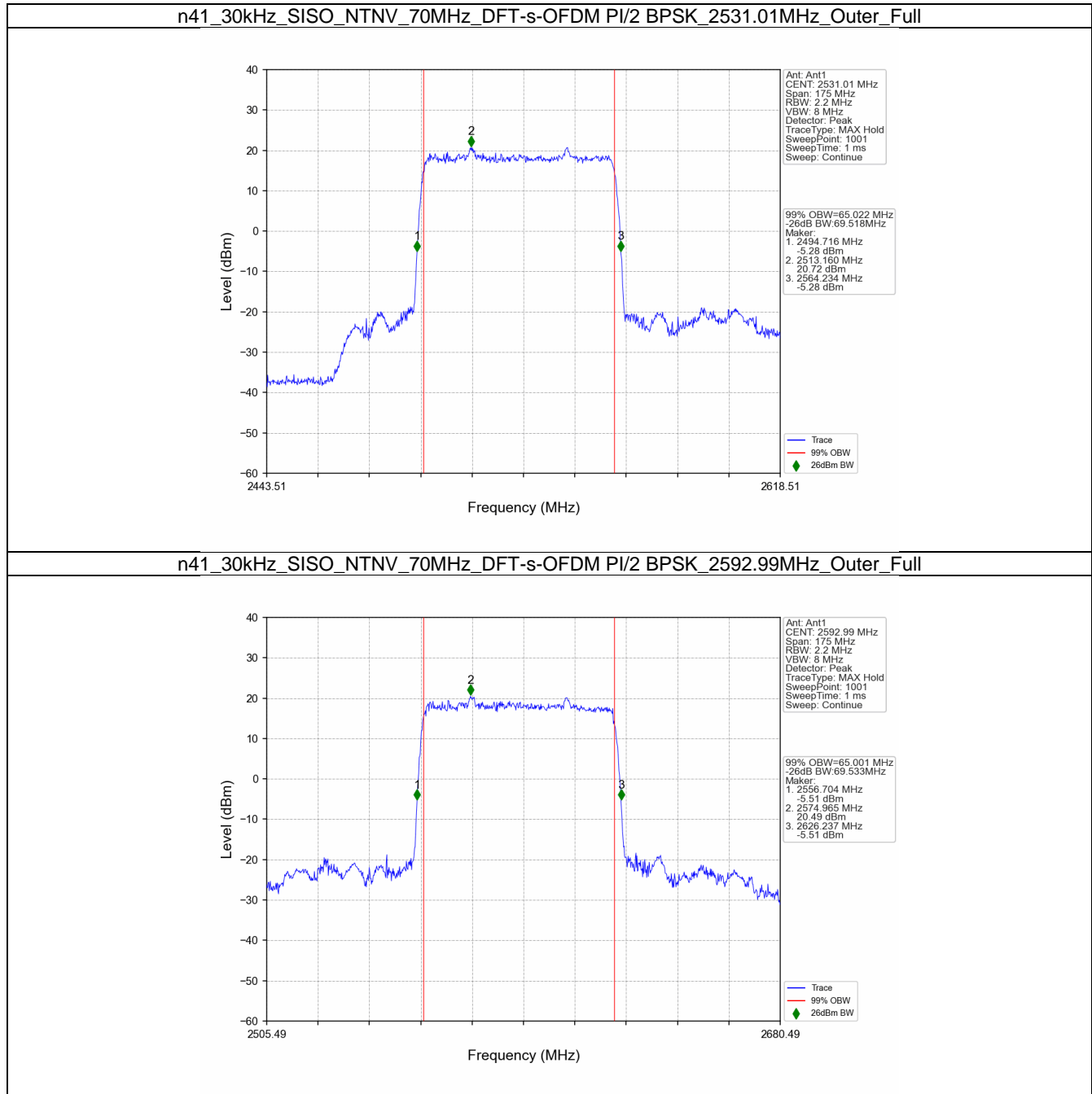


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4.16.2 Test Graph

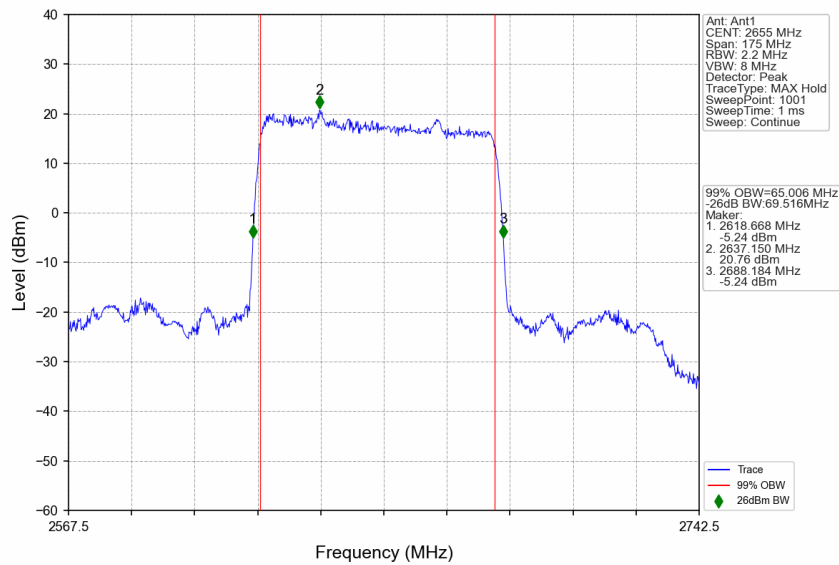


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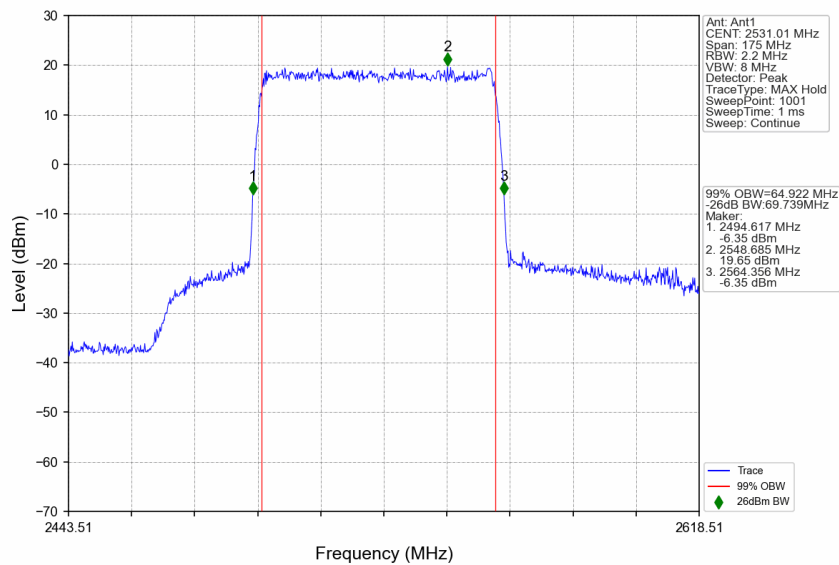
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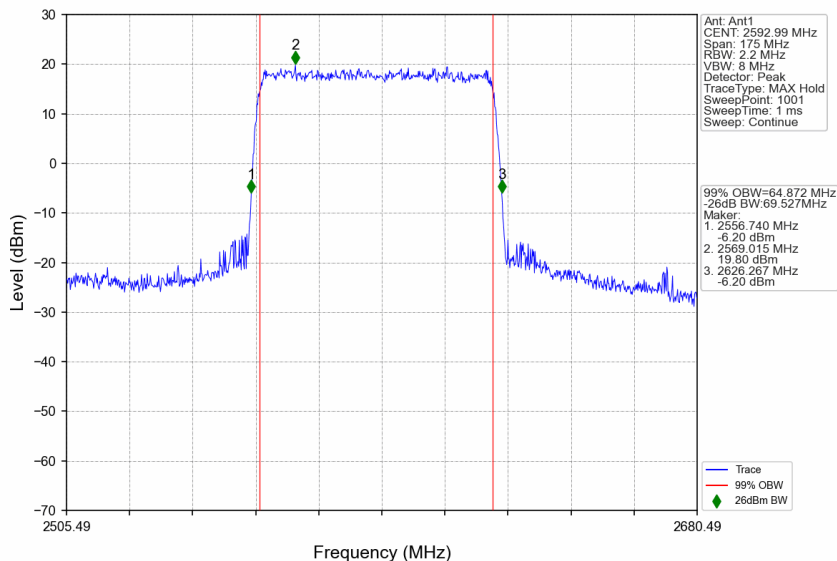
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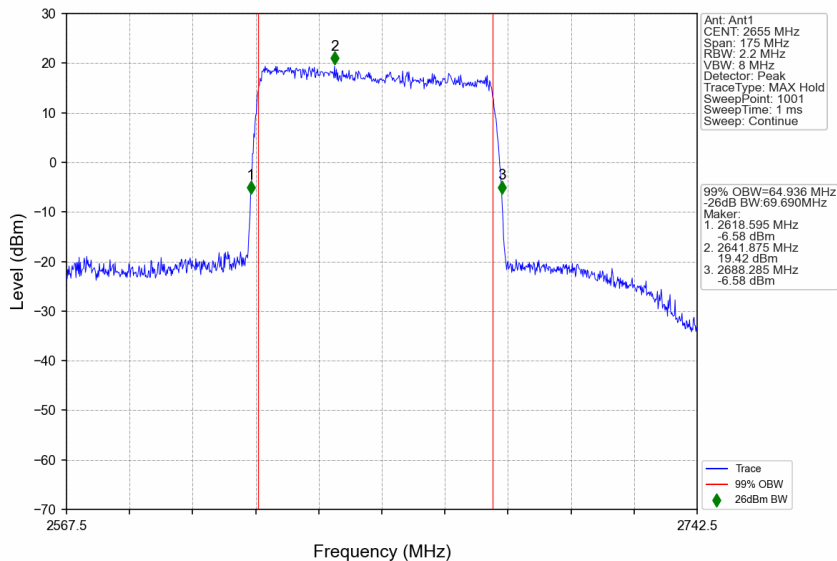
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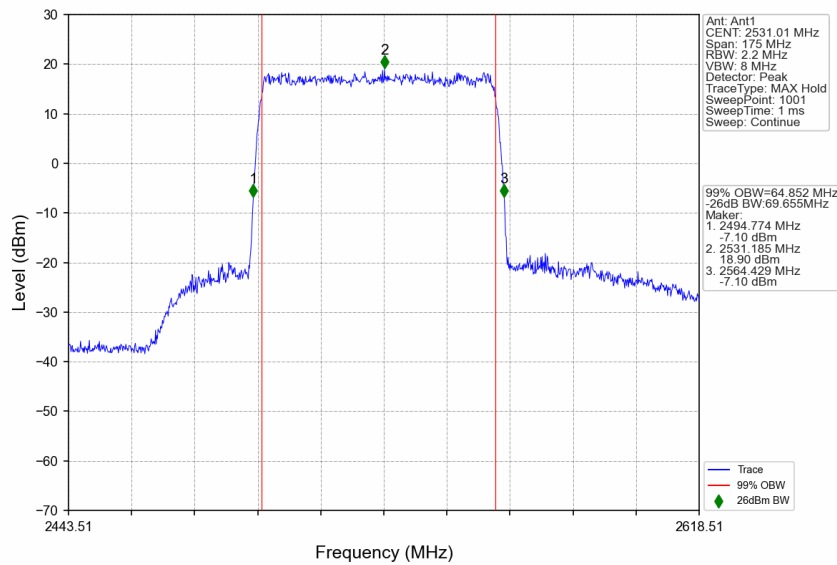


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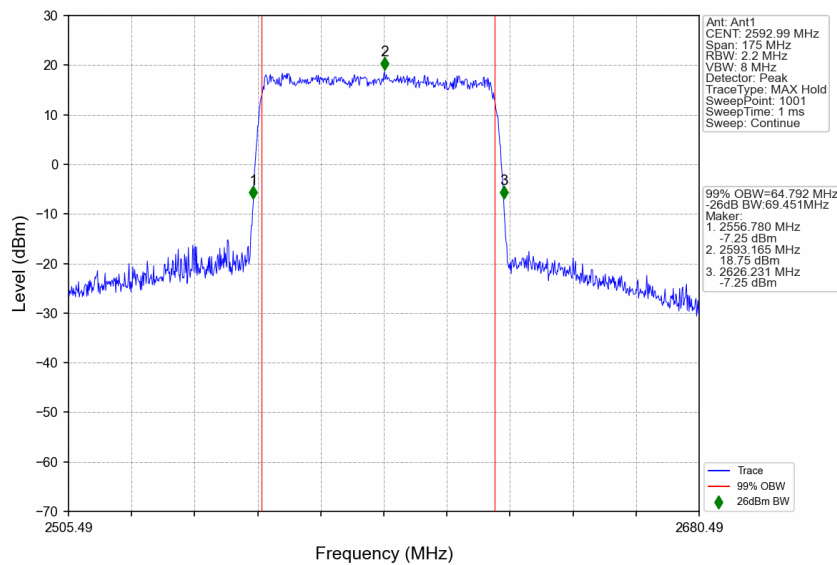
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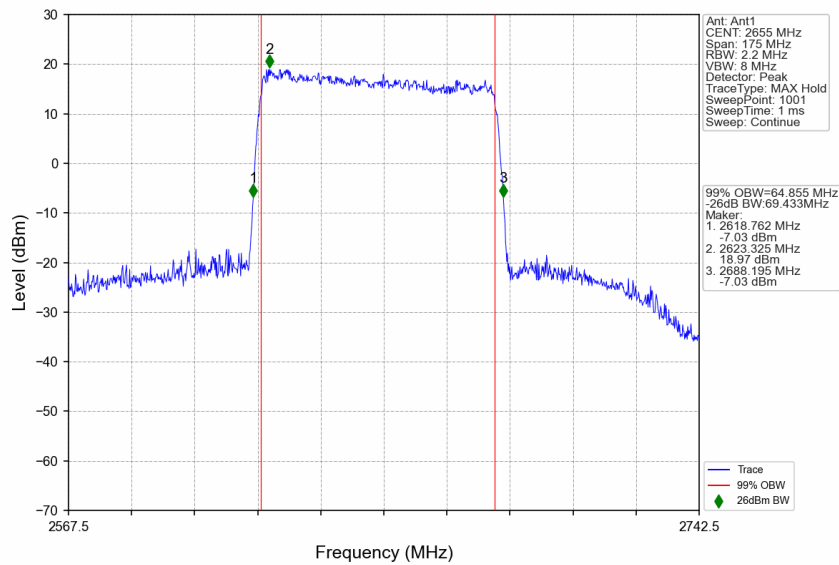


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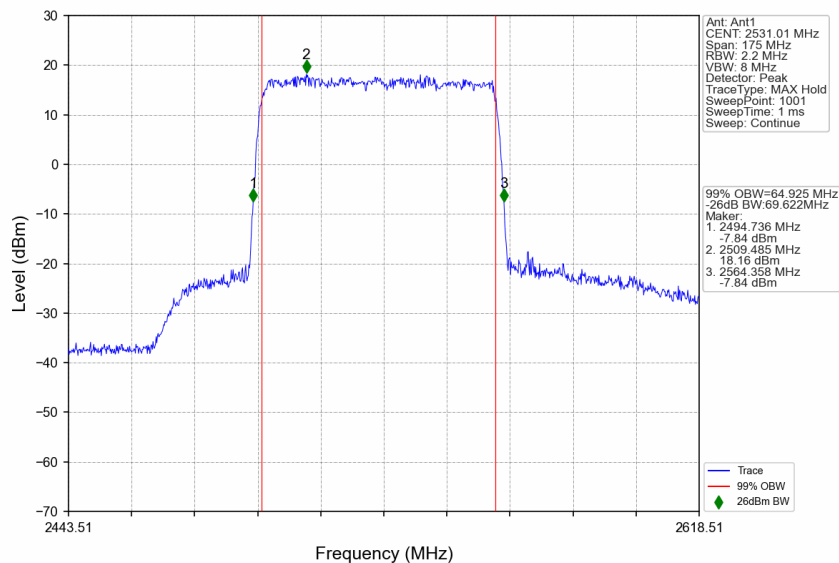
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n41_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM 16 QAM_2655MHz_Outer_Full



n41_30kHz_SISO_NTNV_70MHz_DFT-s-OFDM 64 QAM_2531.01MHz_Outer_Full



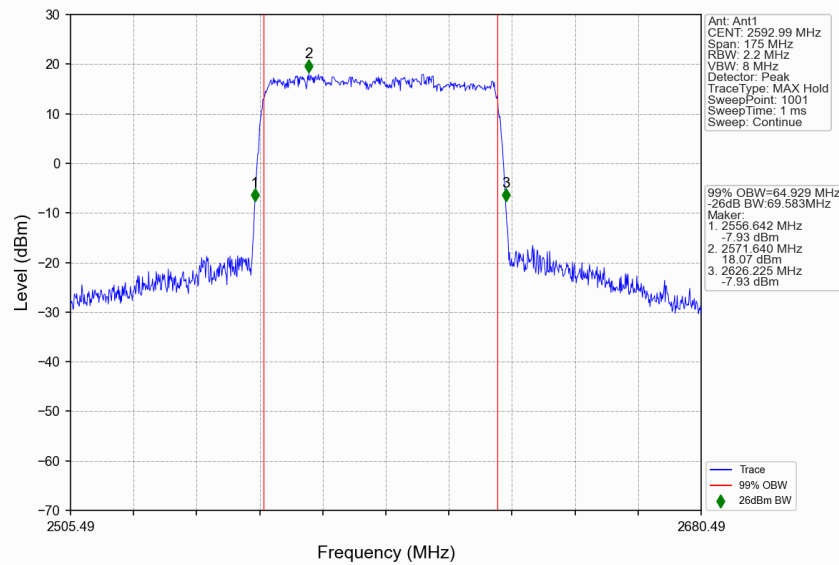
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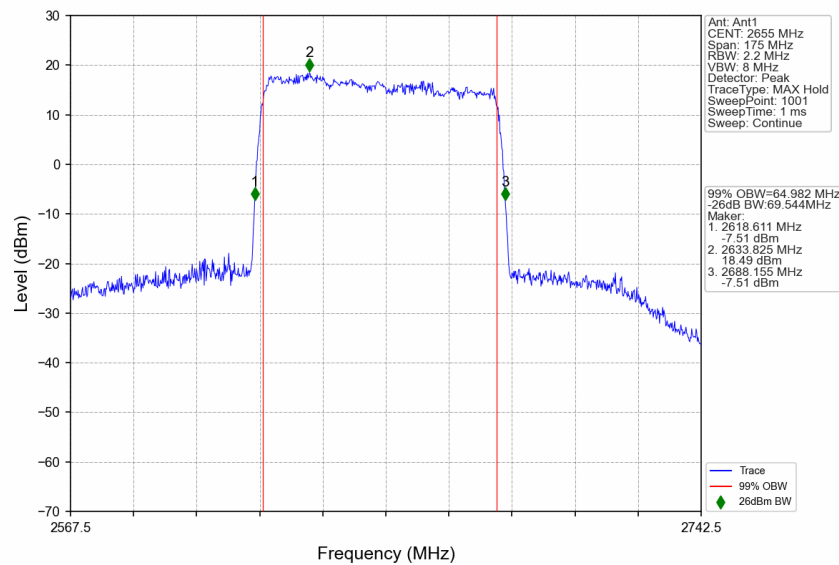
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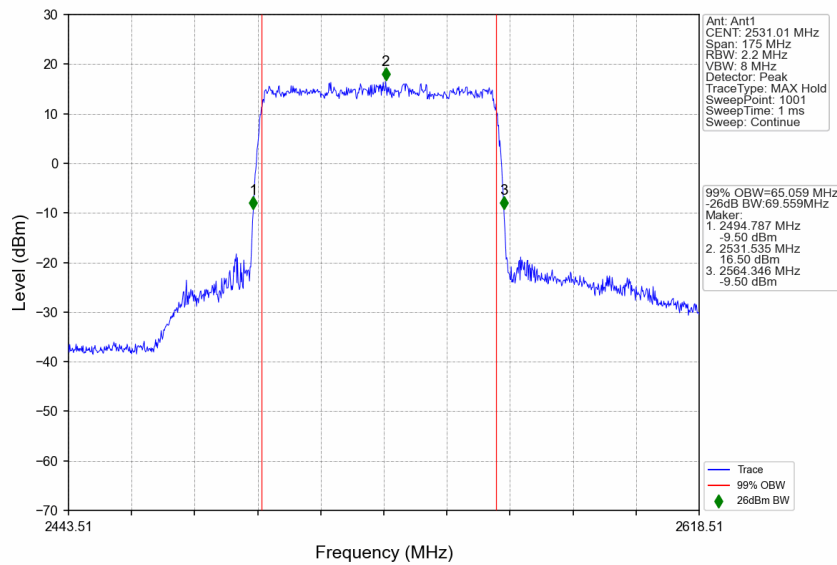


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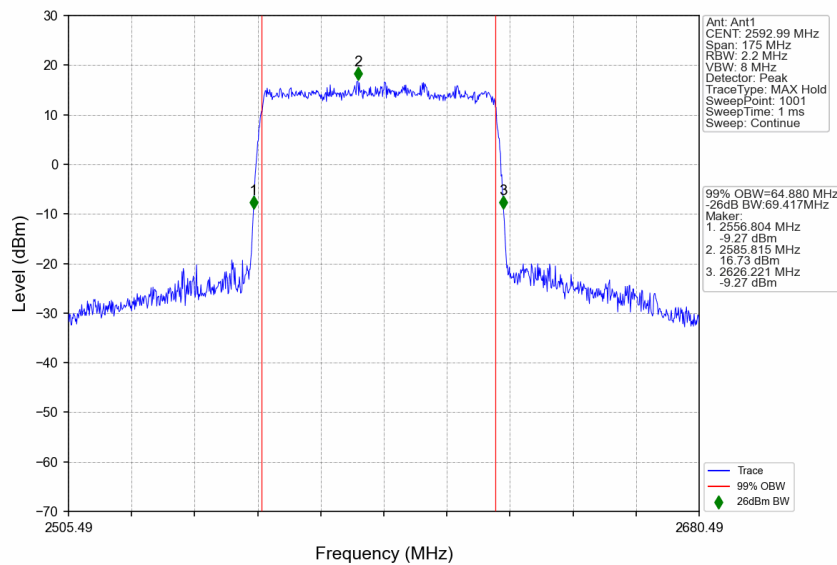
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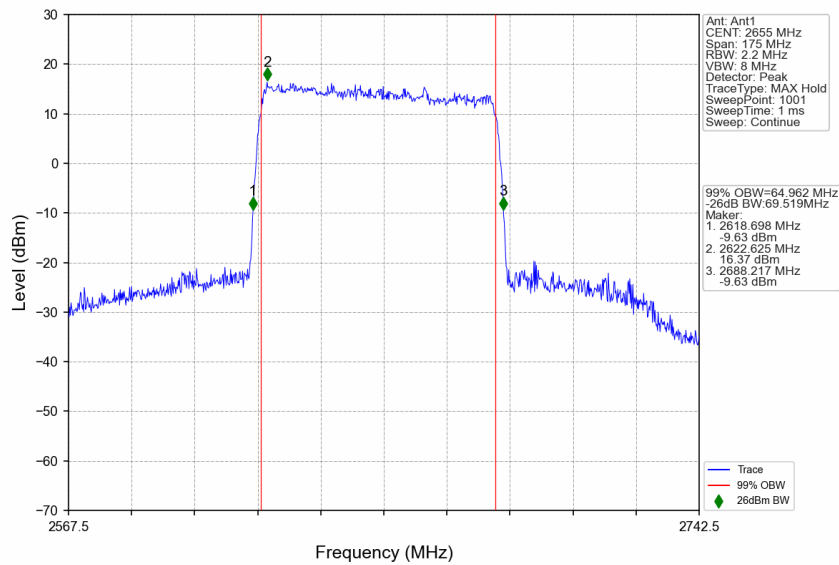


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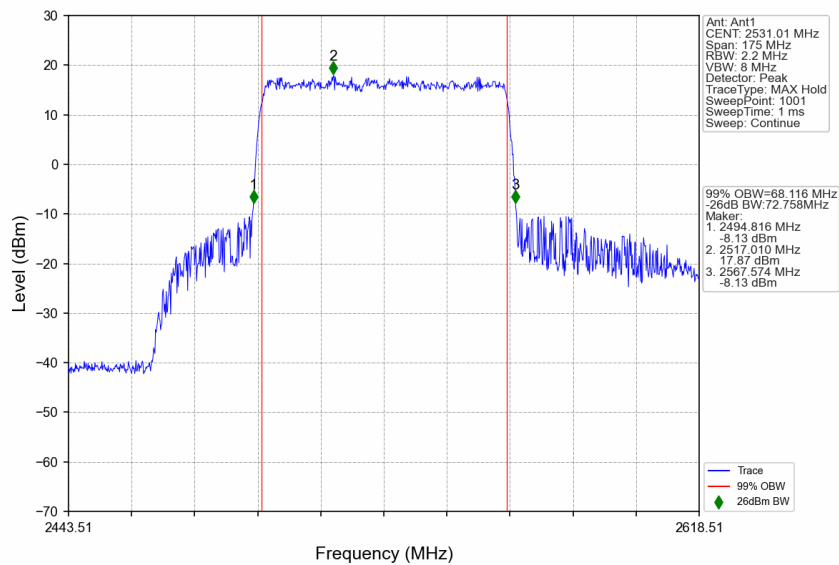
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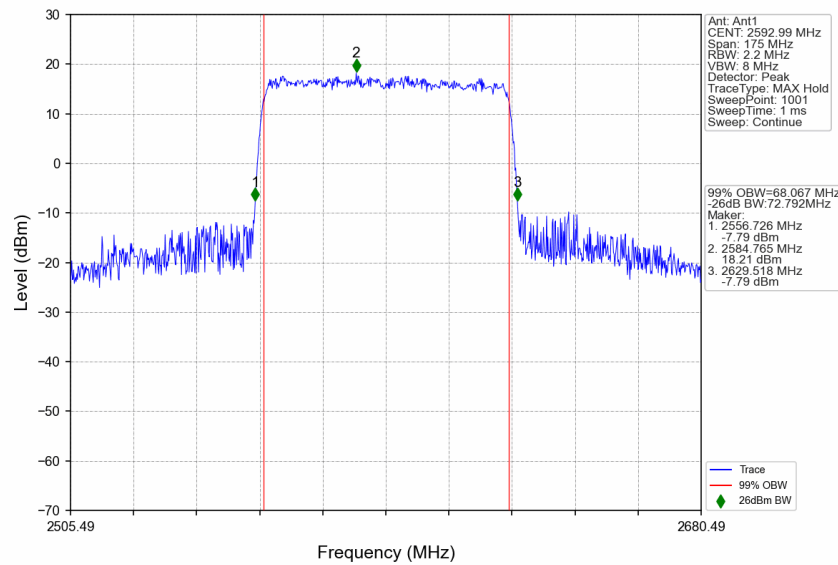


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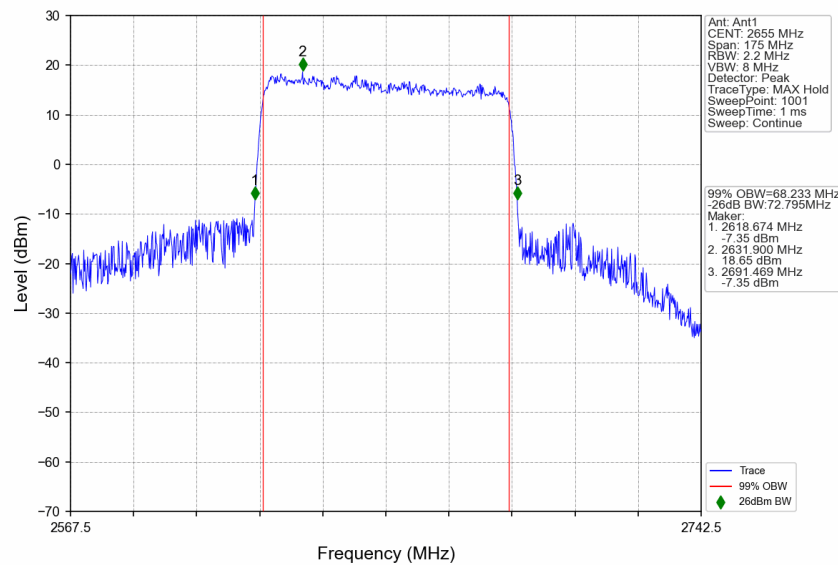
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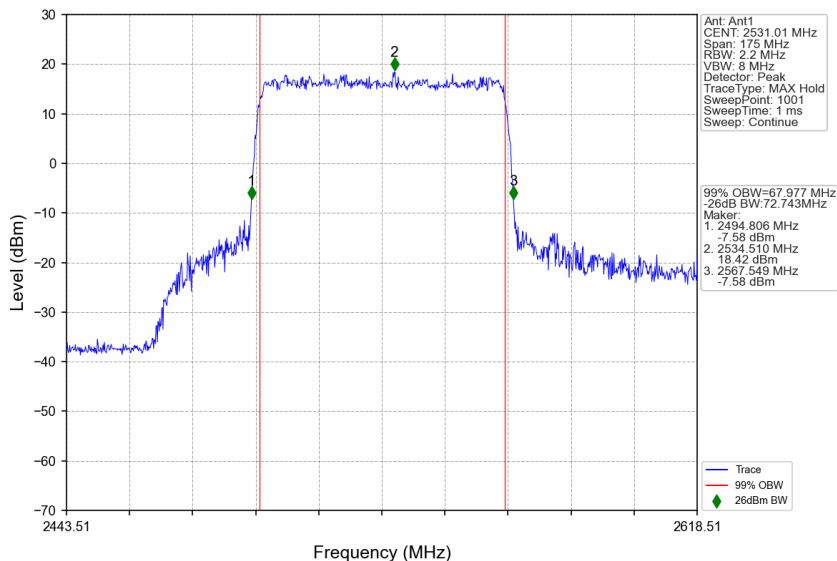


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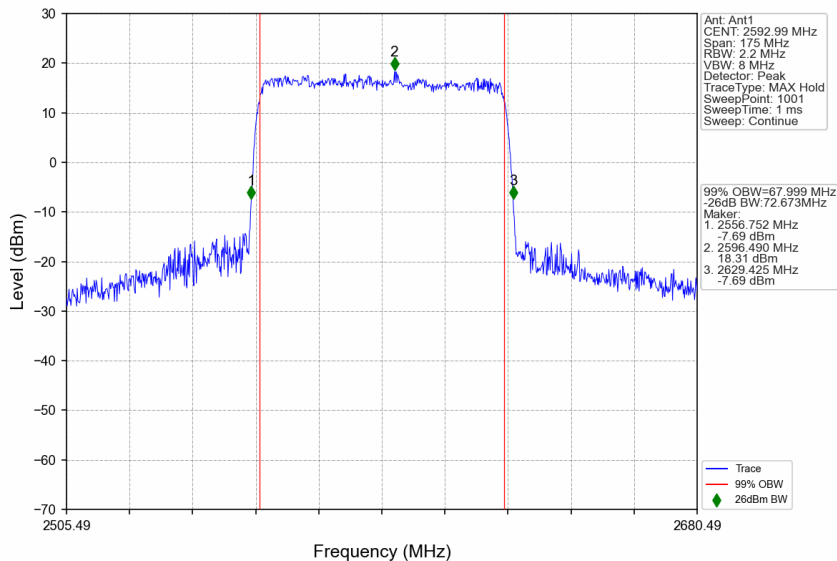
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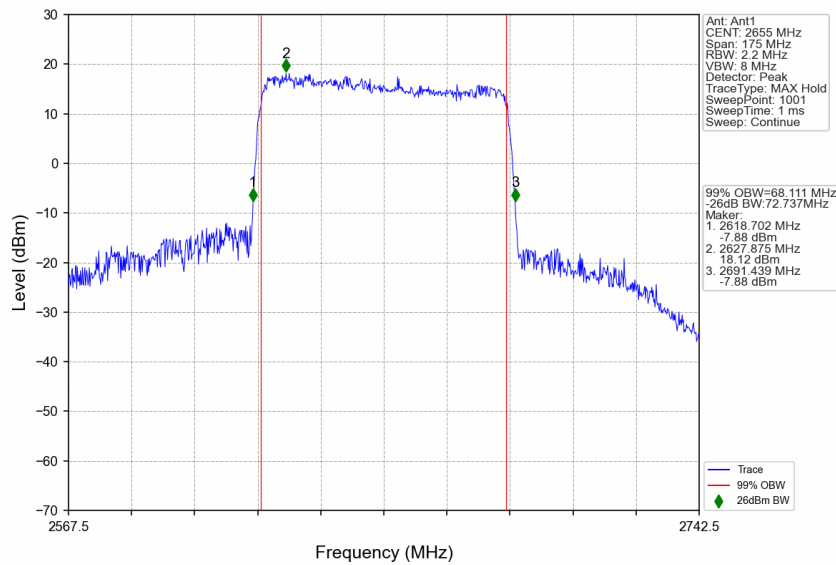


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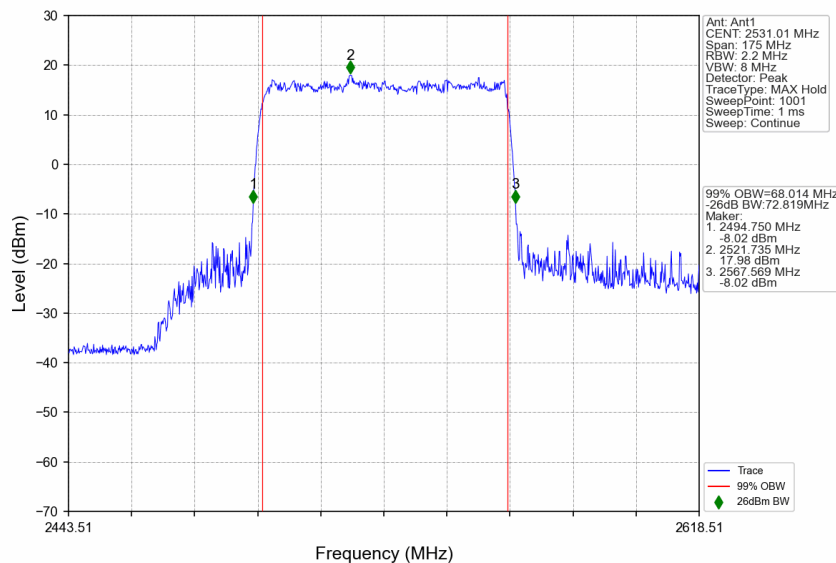
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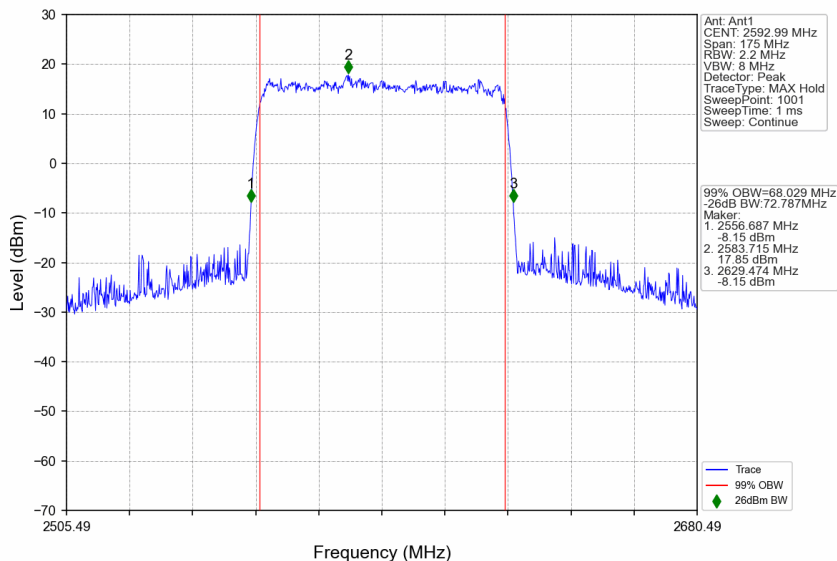


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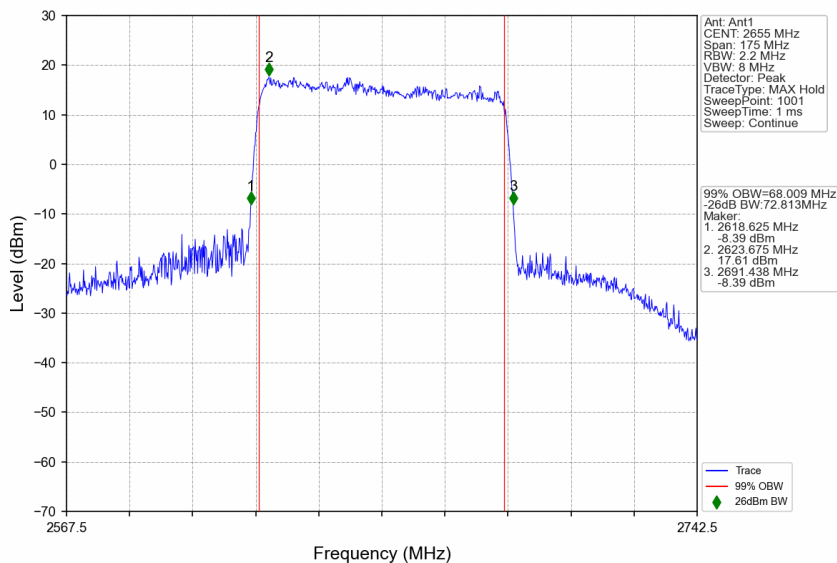
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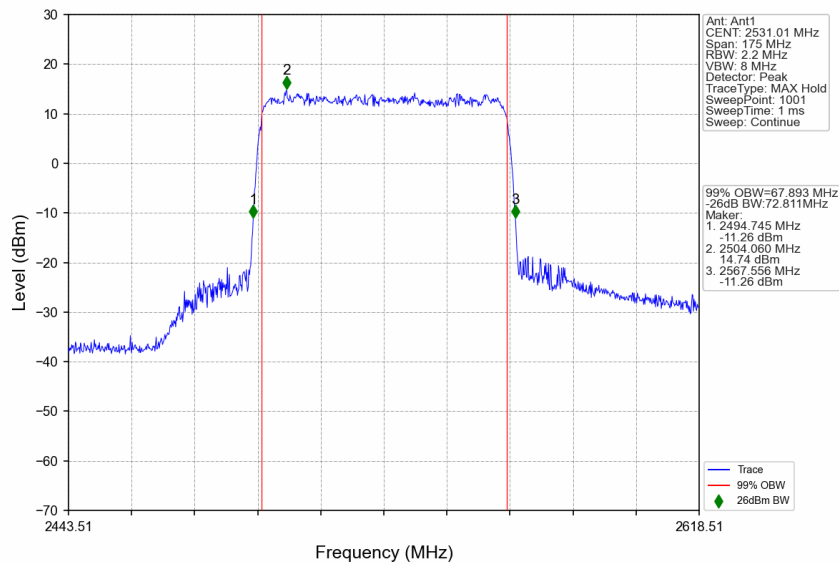


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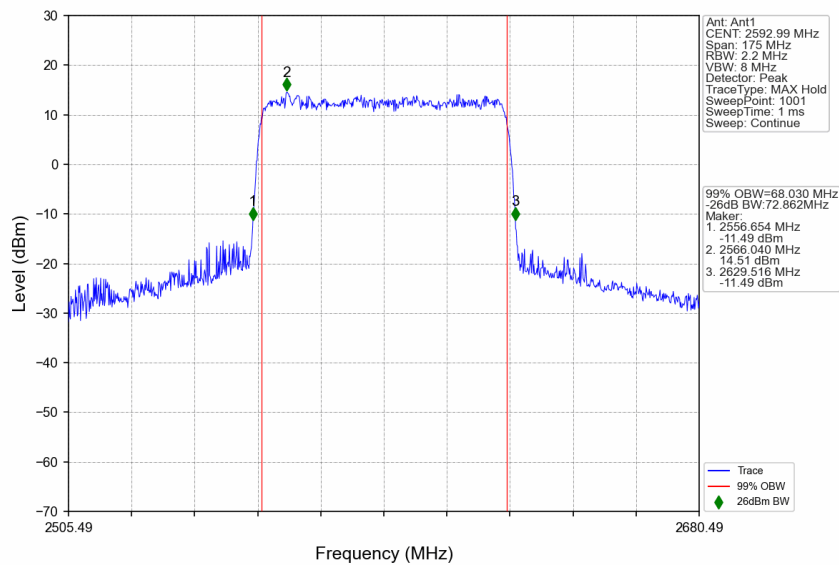
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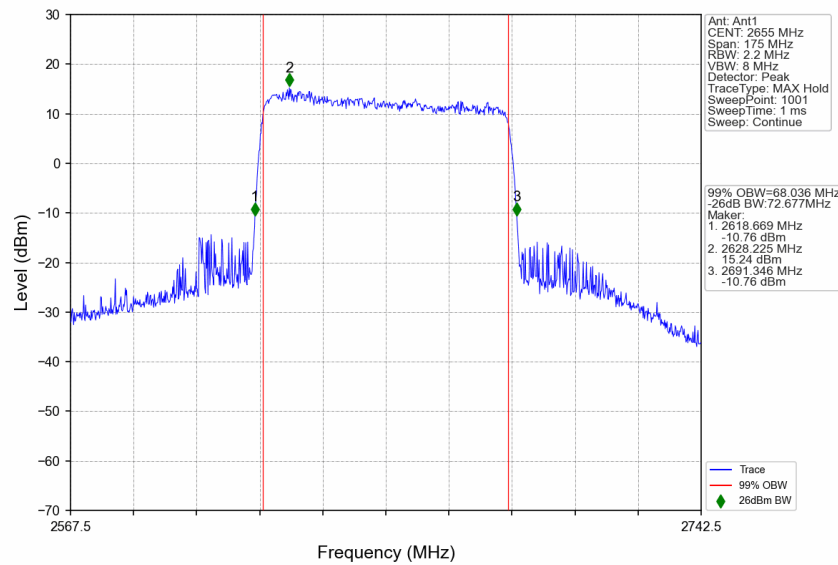


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4.17 30k_SISO_80MHz_NTNV

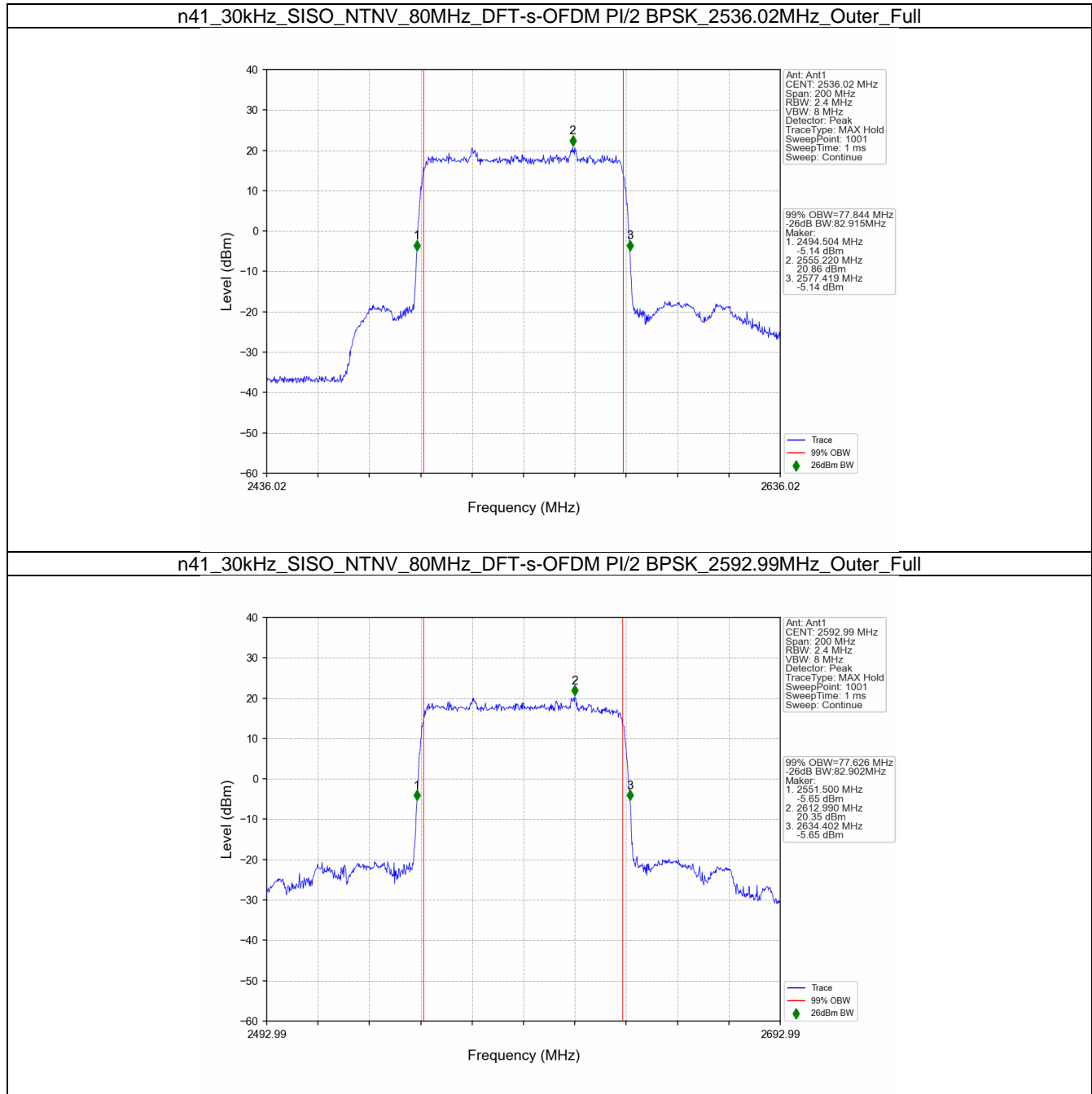
4.17.1 Test Result

Table with 7 columns: Modulation, Frequency (MHz), RB Allocation, 99% Bandwidth (MHz), 26dB Bandwidth (MHz), Limit (MHz), Verdict. Rows include various modulation schemes like DFT-s-OFDM and CP-OFDM with different QAM and BPSK types.



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4.17.2 Test Graph

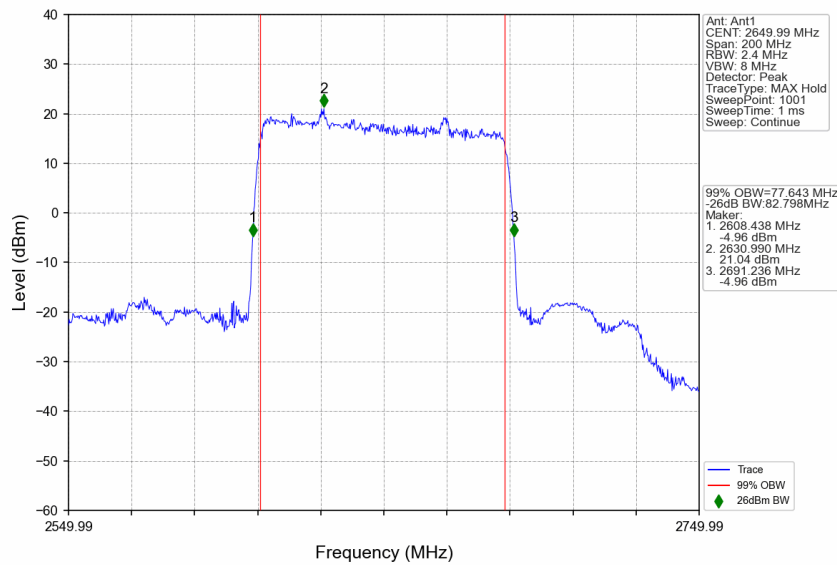


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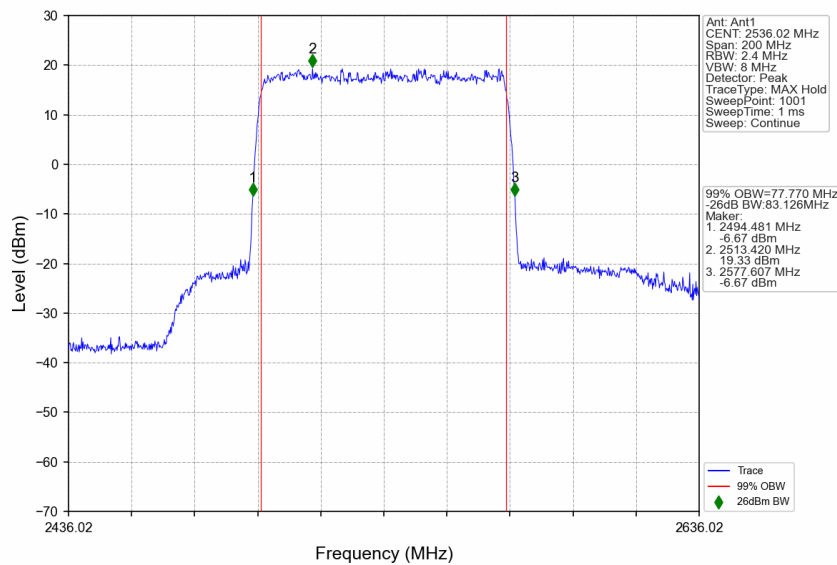
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n41_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM PI/2 BPSK_2649.99MHz_Outer_Full



n41_30kHz_SISO_NTNV_80MHz_DFT-s-OFDM QPSK_2536.02MHz_Outer_Full

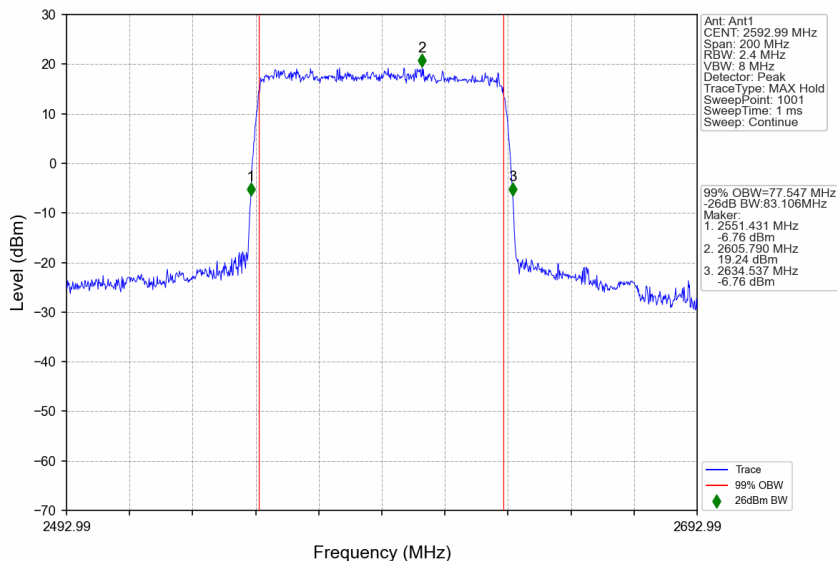


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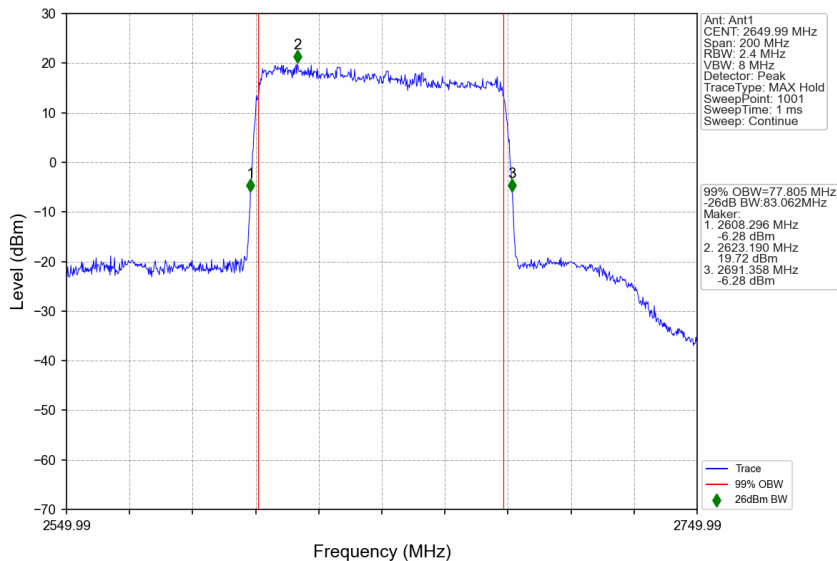
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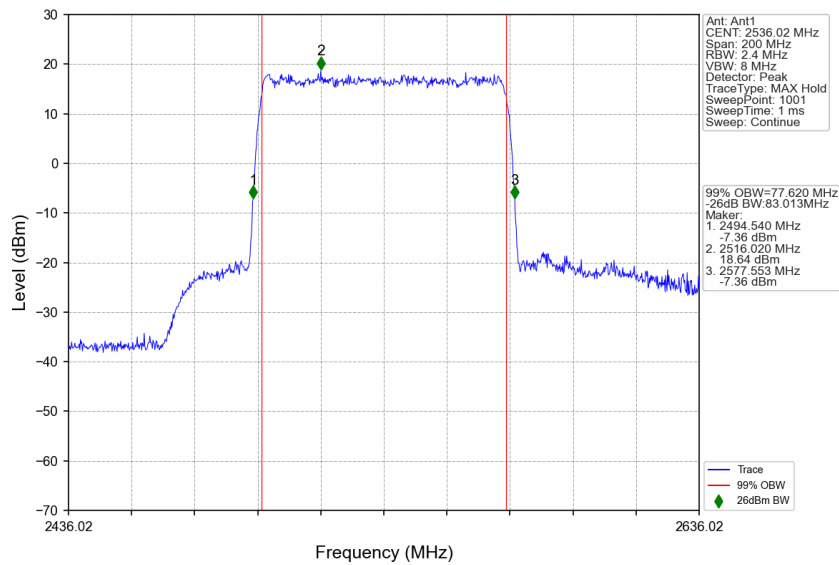


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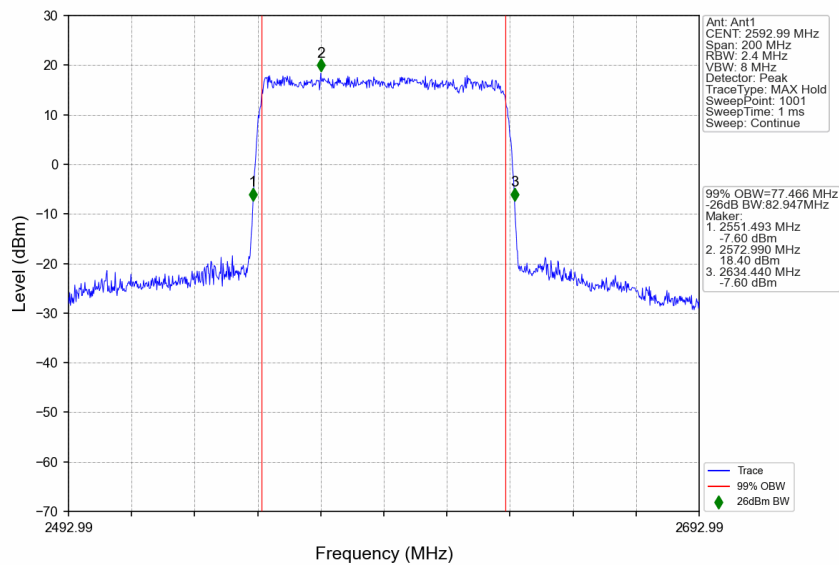
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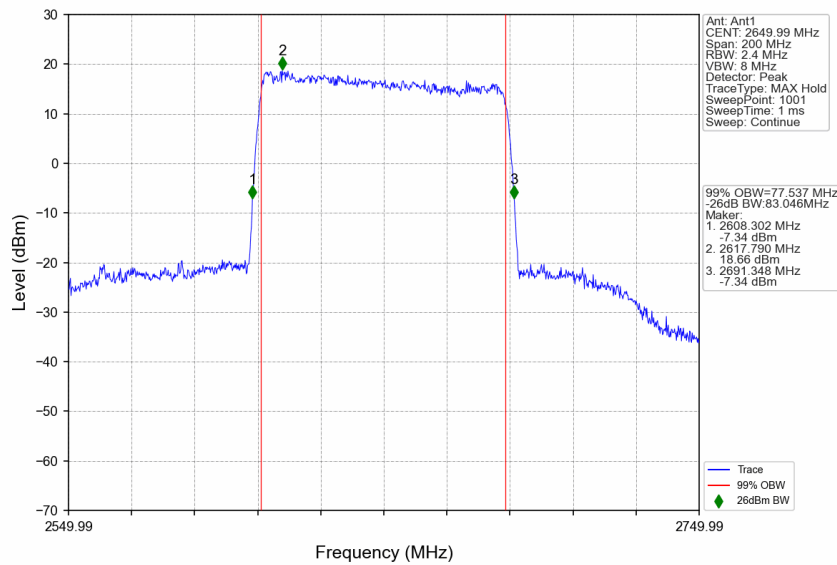


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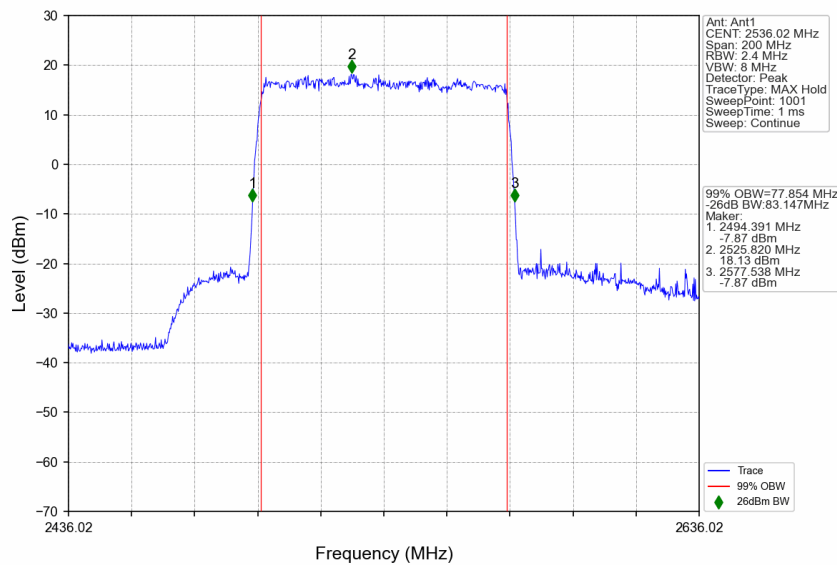
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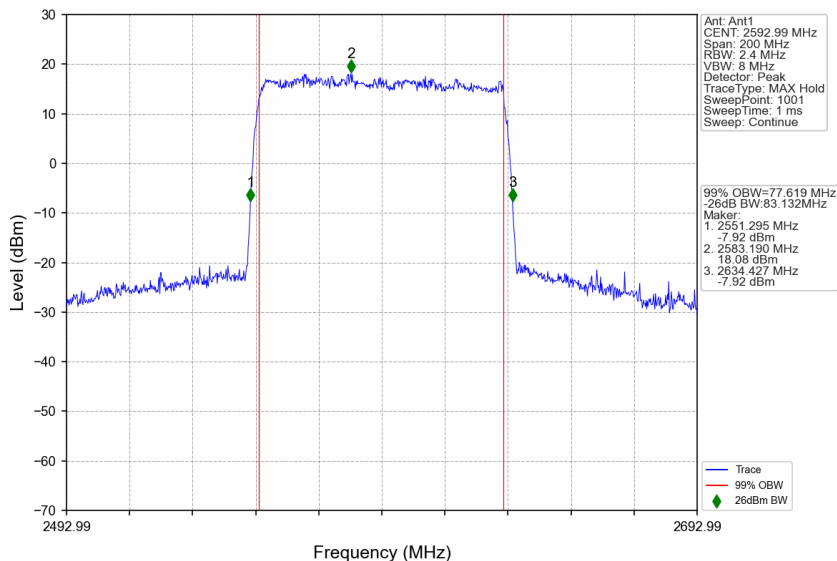


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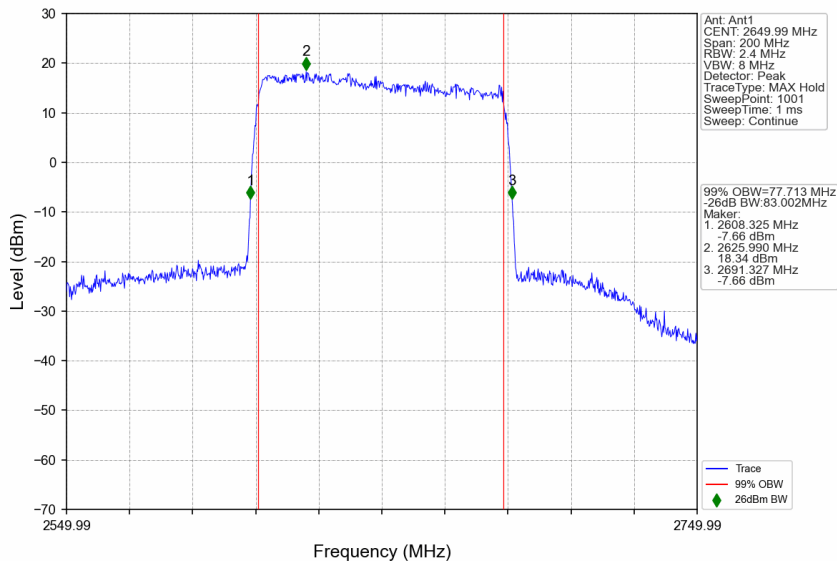
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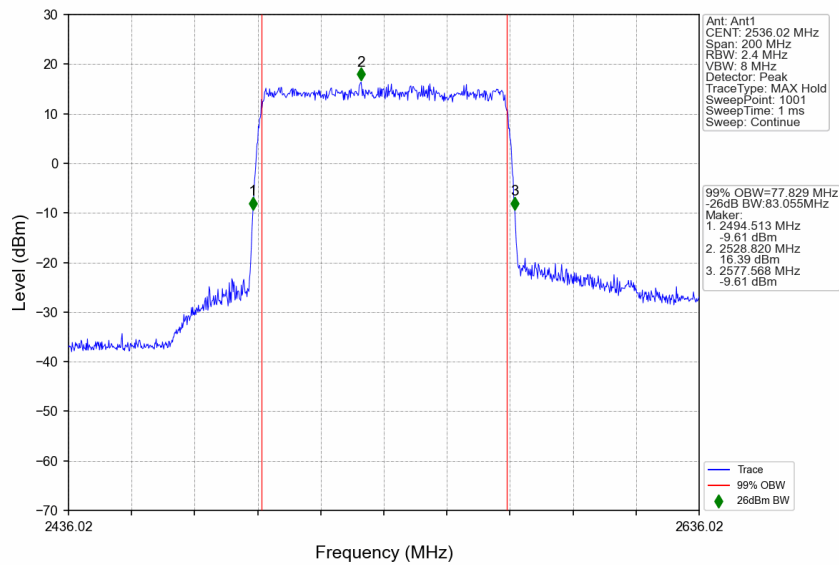


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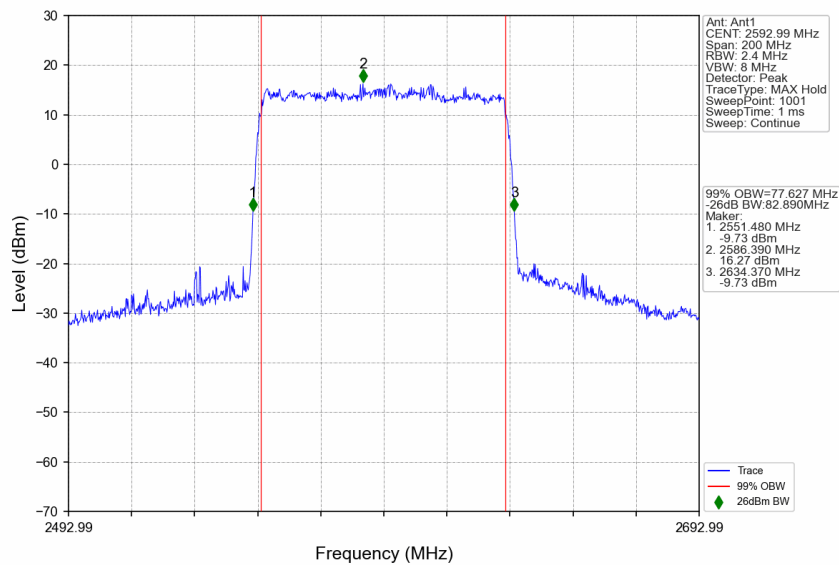
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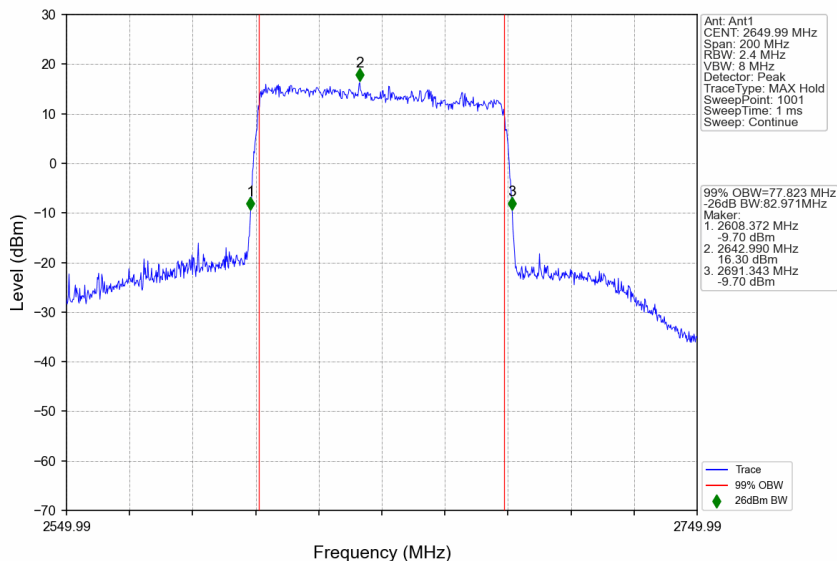


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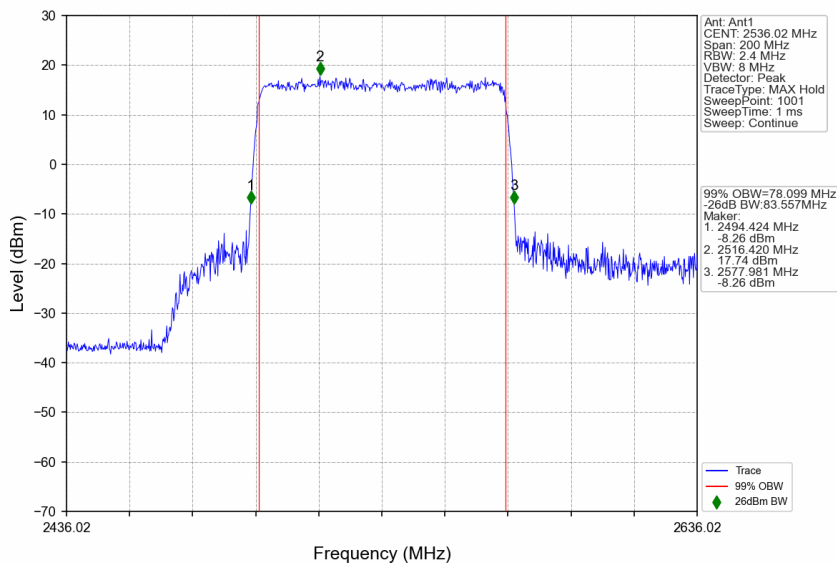
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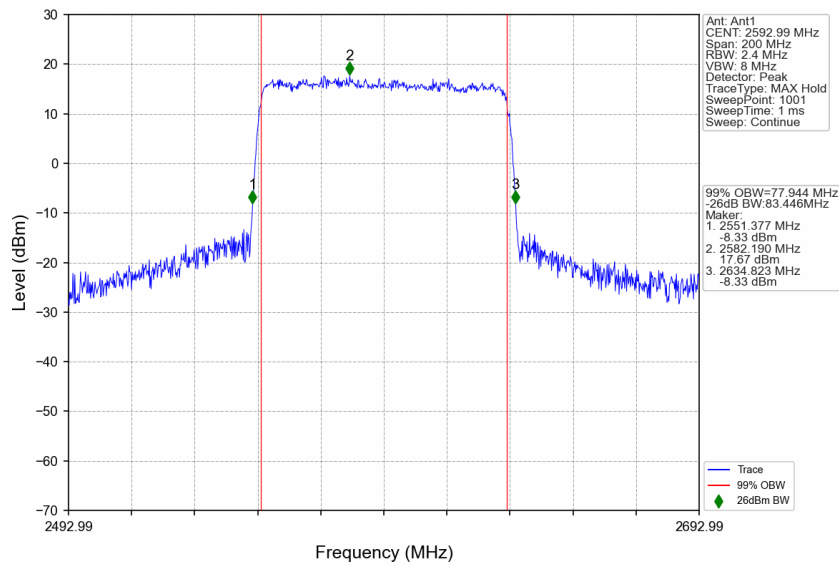


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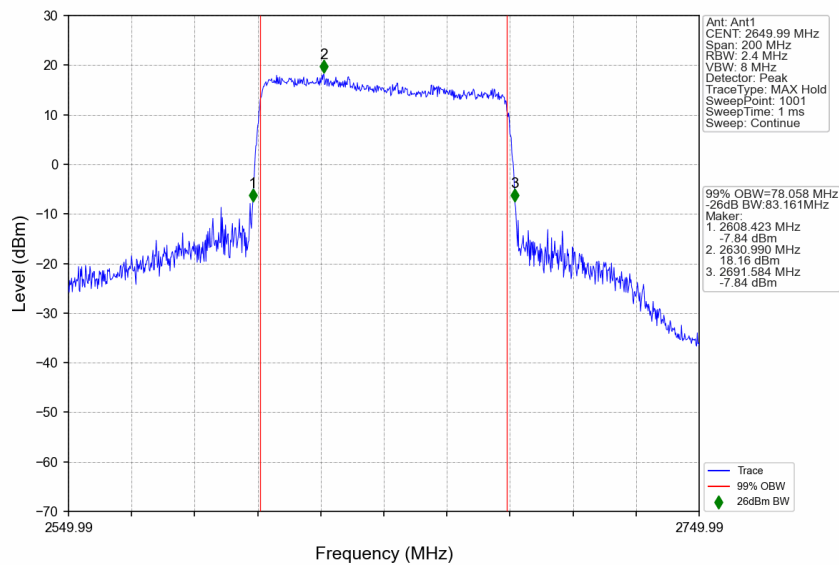
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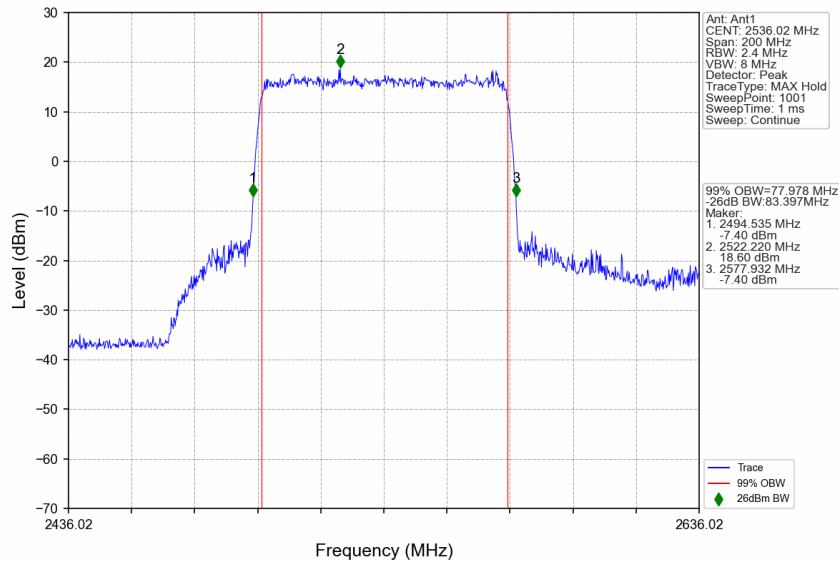


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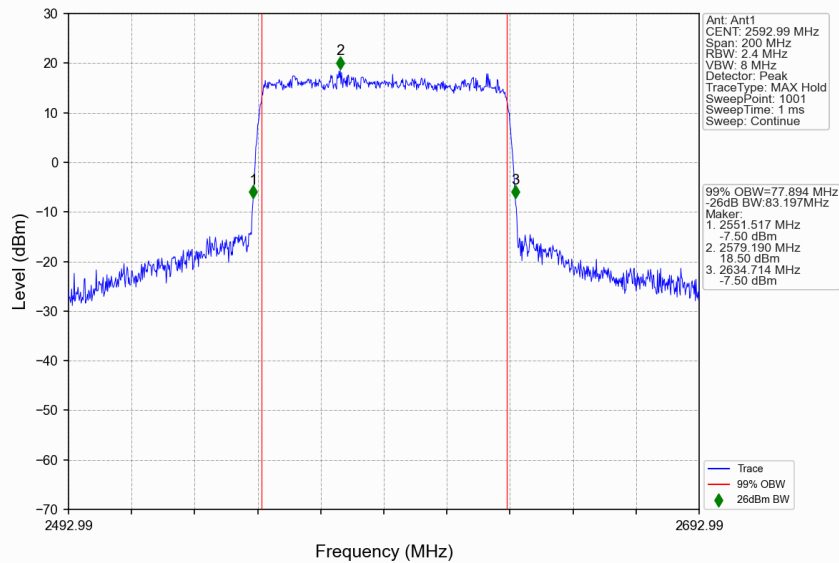
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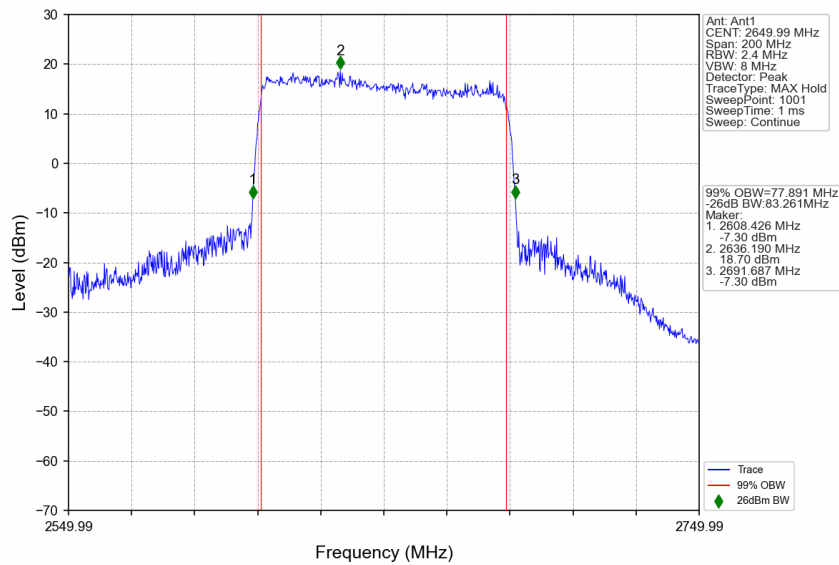
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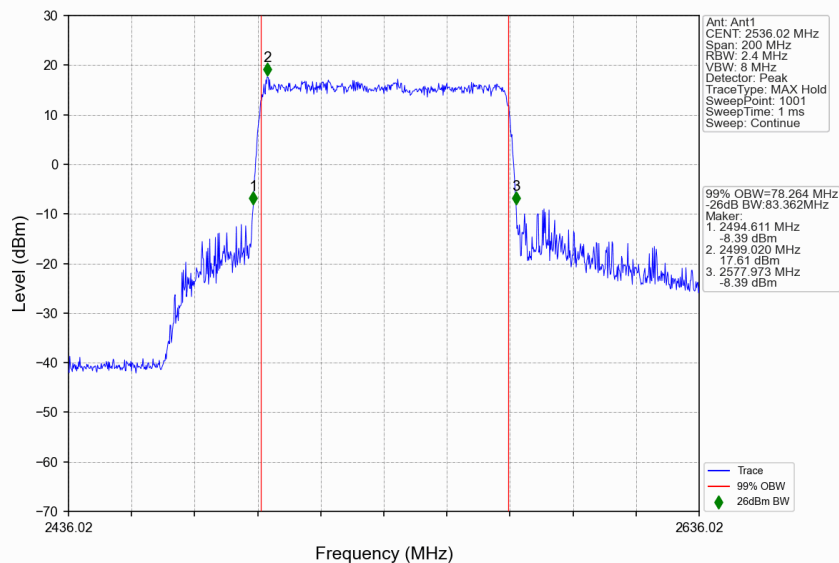
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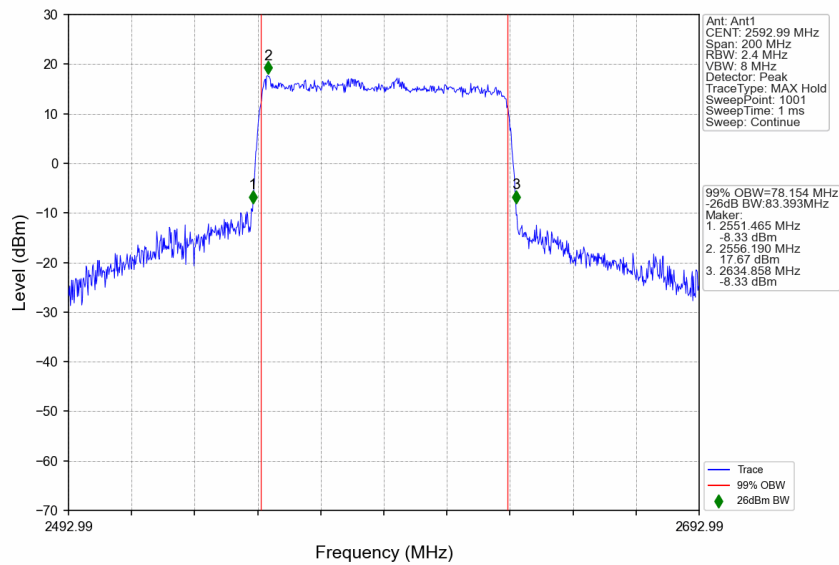


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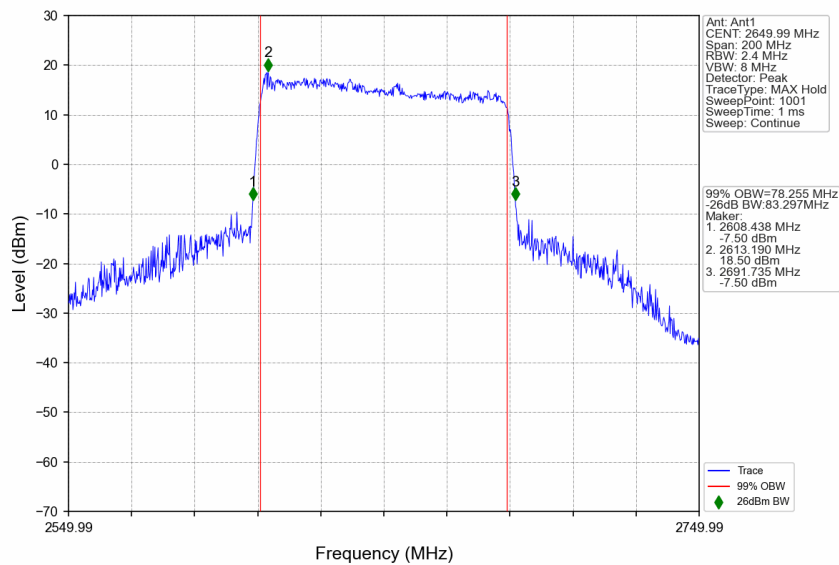
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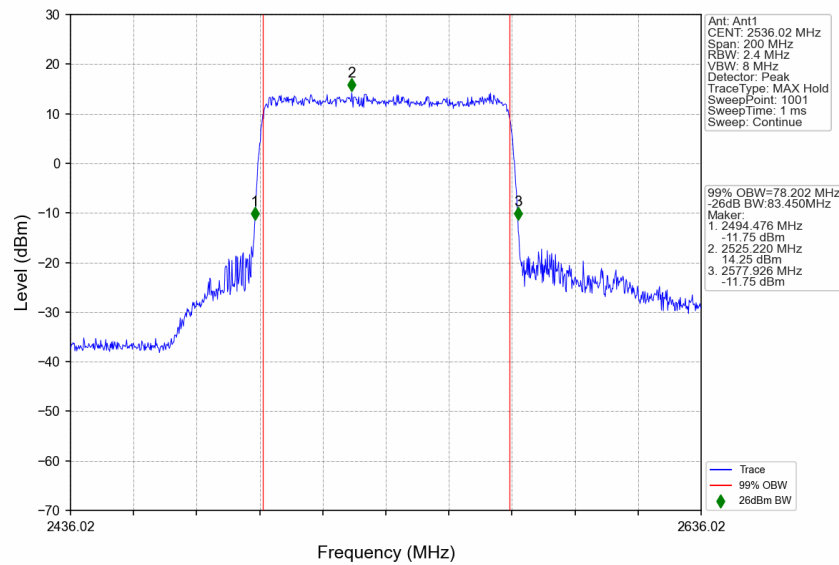


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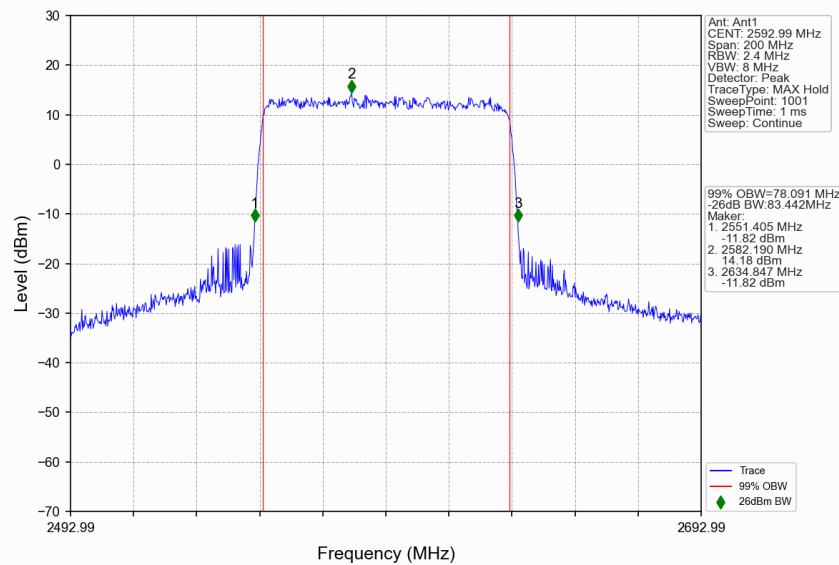
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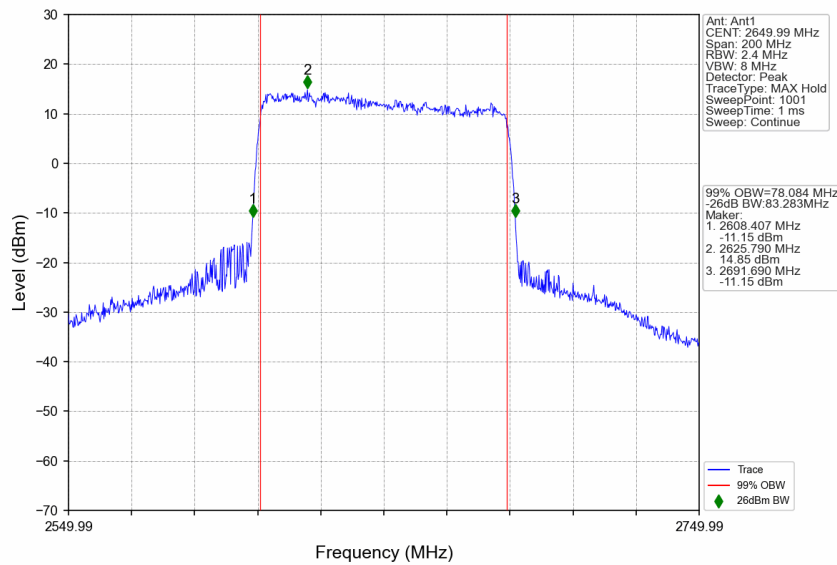


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n41_30kHz_SISO_NTNV_80MHz_CP-OFDM 256 QAM_2649.99MHz_Outer_Full



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4.18 30k_SISO_90MHz_NTNV

4.18.1 Test Result

5G NR n41 SCS=30kHz SISO 90MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	2541	Outer_Full	87.74	93.31	/	Pass
	2592.99	Outer_Full	87.41	93.33	/	Pass
	2644.98	Outer_Full	87.45	93.20	/	Pass
DFT-s-OFDM QPSK	2541	Outer_Full	87.32	93.47	/	Pass
	2592.99	Outer_Full	87.20	93.49	/	Pass
	2644.98	Outer_Full	87.23	93.22	/	Pass
DFT-s-OFDM 16 QAM	2541	Outer_Full	87.59	93.17	/	Pass
	2592.99	Outer_Full	87.35	93.26	/	Pass
	2644.98	Outer_Full	87.32	92.99	/	Pass
DFT-s-OFDM 64 QAM	2541	Outer_Full	87.41	93.41	/	Pass
	2592.99	Outer_Full	87.27	93.25	/	Pass
	2644.98	Outer_Full	87.37	93.11	/	Pass
DFT-s-OFDM 256 QAM	2541	Outer_Full	87.66	93.20	/	Pass
	2592.99	Outer_Full	87.54	93.09	/	Pass
	2644.98	Outer_Full	87.51	93.21	/	Pass
CP-OFDM QPSK	2541	Outer_Full	88.39	94.24	/	Pass
	2592.99	Outer_Full	88.18	94.10	/	Pass
	2644.98	Outer_Full	88.17	94.22	/	Pass
CP-OFDM 16 QAM	2541	Outer_Full	88.23	93.93	/	Pass
	2592.99	Outer_Full	88.09	93.92	/	Pass
	2644.98	Outer_Full	88.22	93.80	/	Pass
CP-OFDM 64 QAM	2541	Outer_Full	88.18	94.09	/	Pass
	2592.99	Outer_Full	87.97	93.96	/	Pass
	2644.98	Outer_Full	88.05	93.92	/	Pass
CP-OFDM 256 QAM	2541	Outer_Full	88.09	93.97	/	Pass
	2592.99	Outer_Full	87.88	94.04	/	Pass
	2644.98	Outer_Full	87.94	93.89	/	Pass

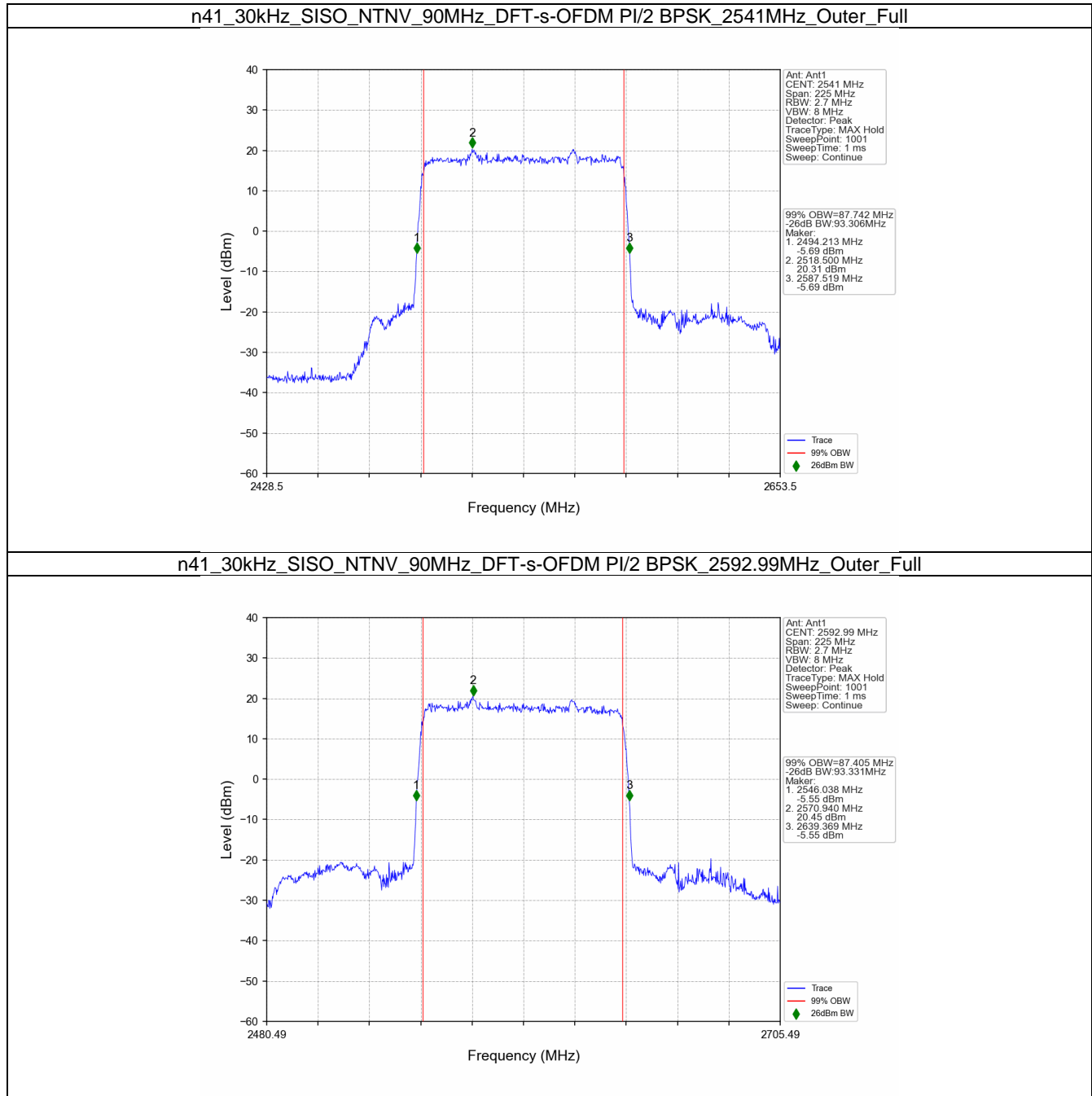


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4.18.2 Test Graph

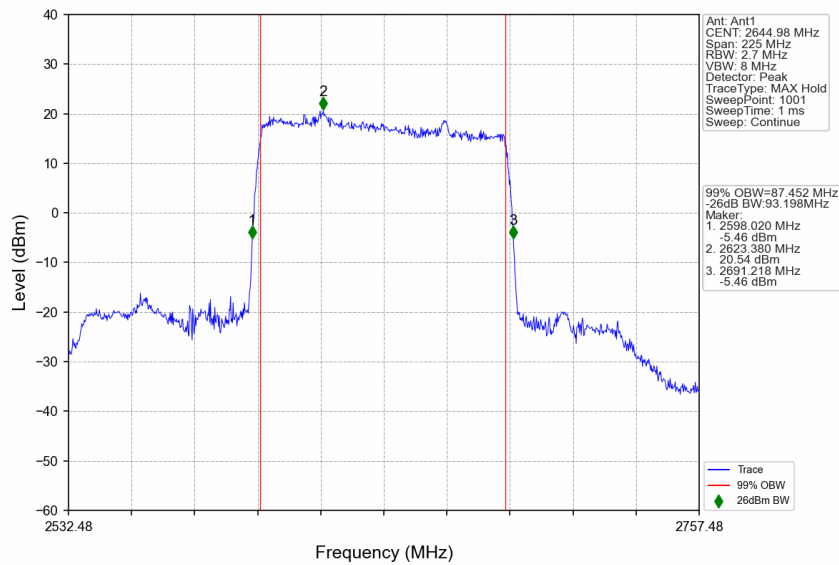


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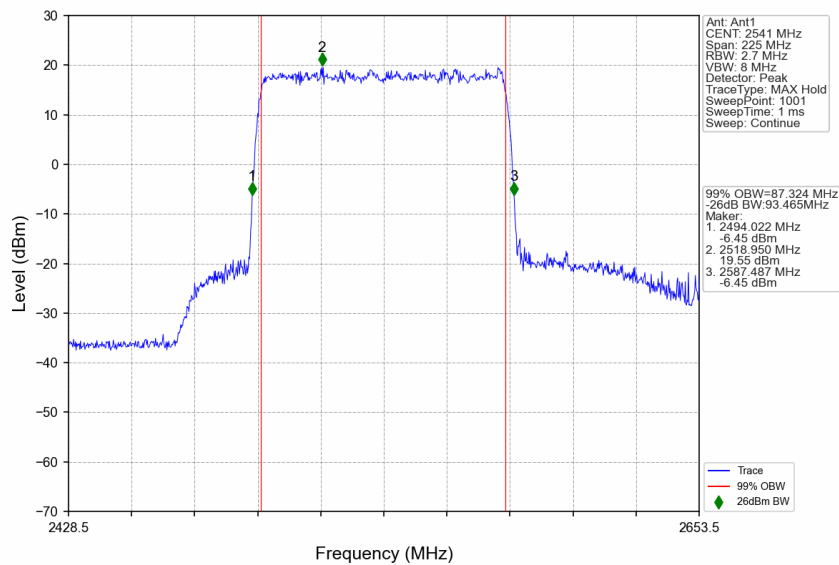
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n41_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM PI/2 BPSK_2644.98MHz_Outer_Full



n41_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM QPSK_2541MHz_Outer_Full

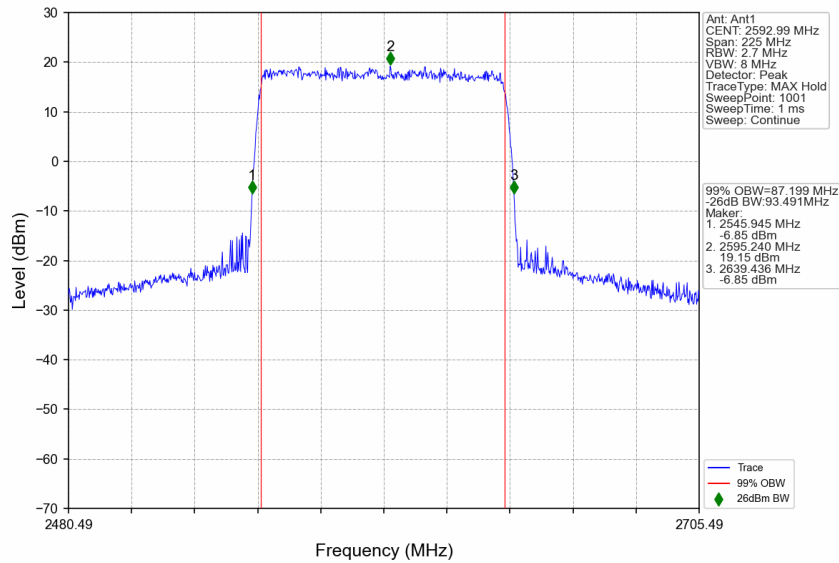


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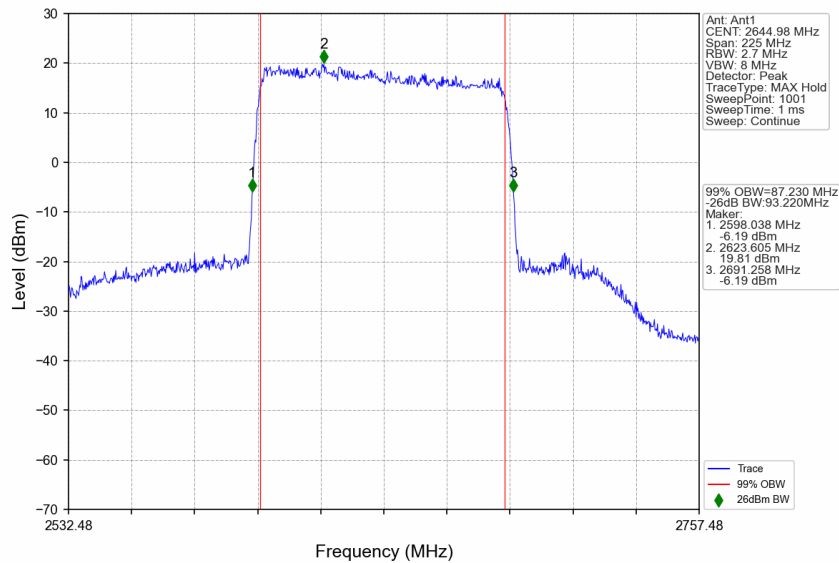
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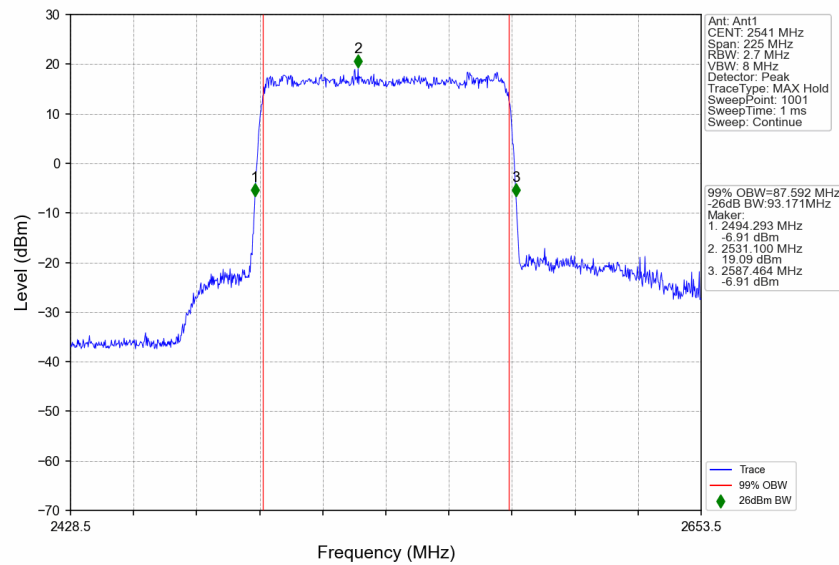


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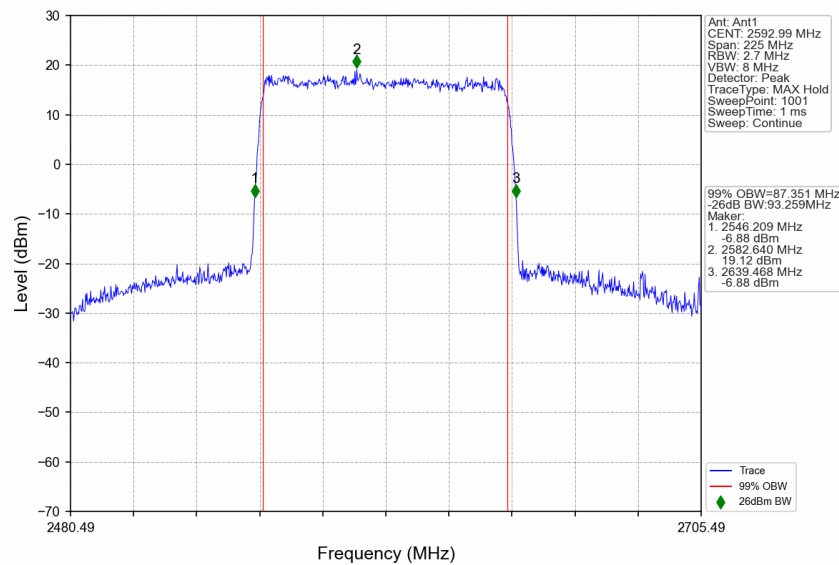
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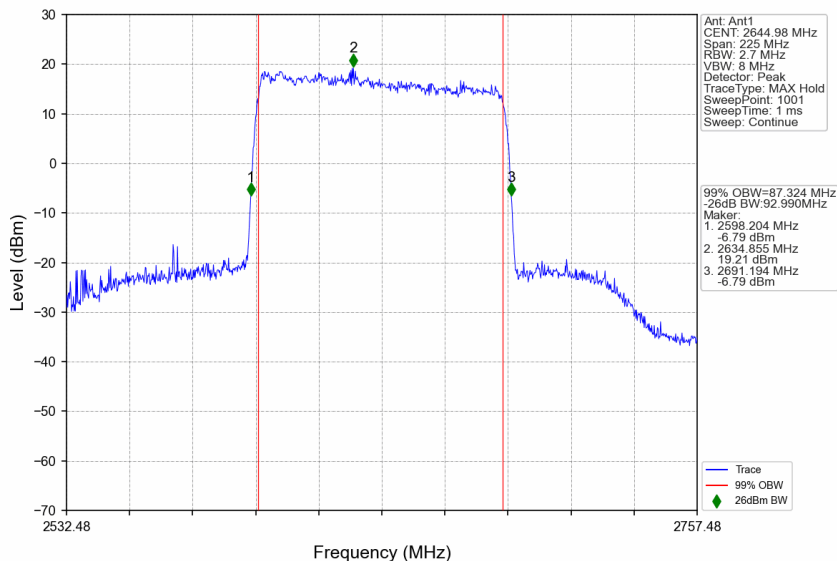


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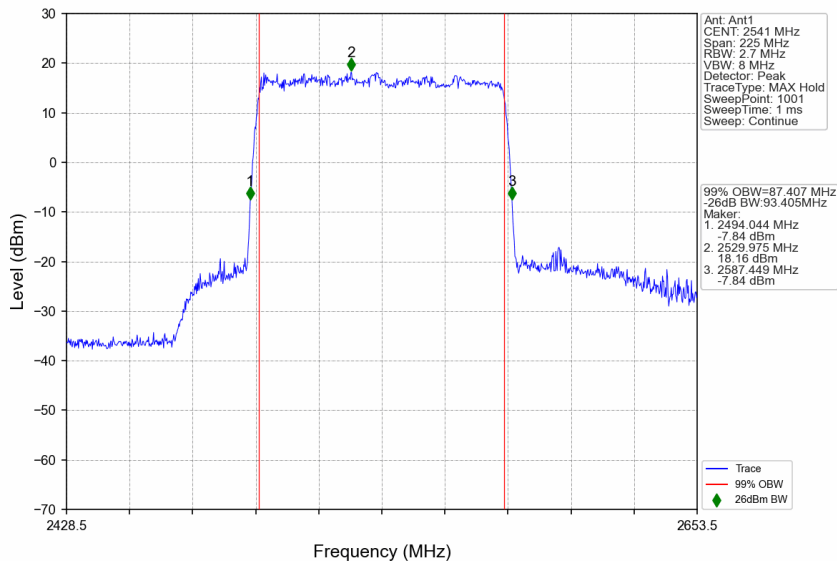
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n41_30kHz_SISO_NTNV_90MHz_DFT-s-OFDM 64 QAM_2541MHz_Outer_Full

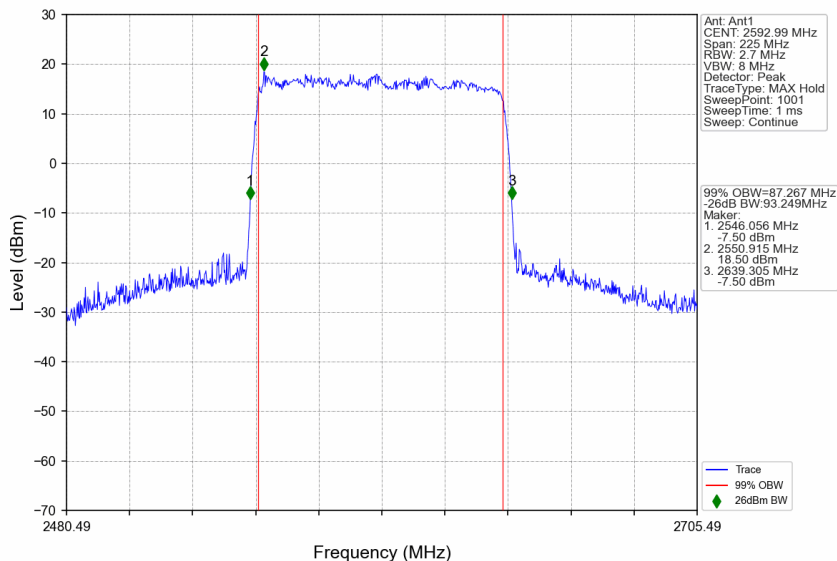


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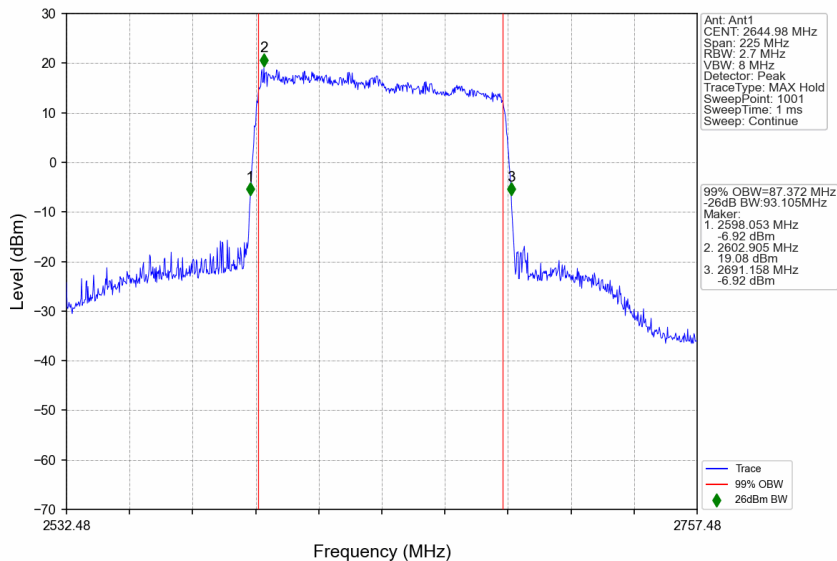
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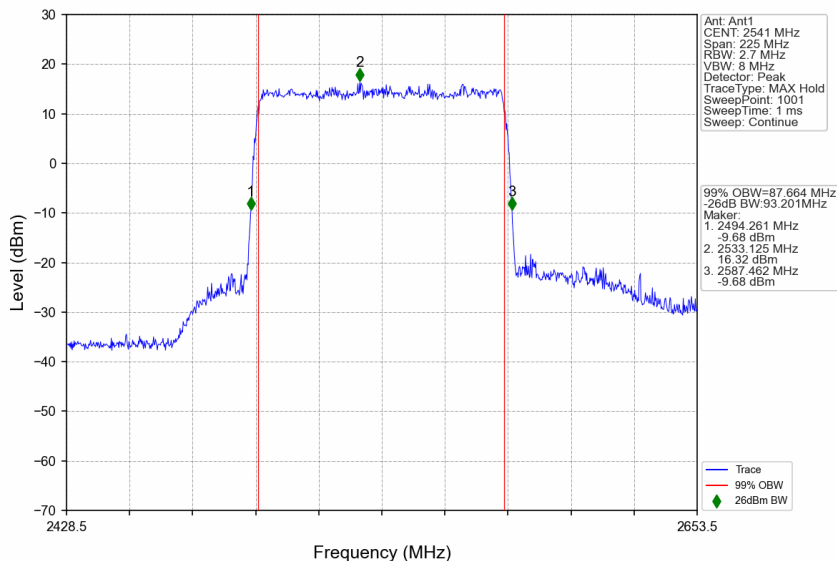


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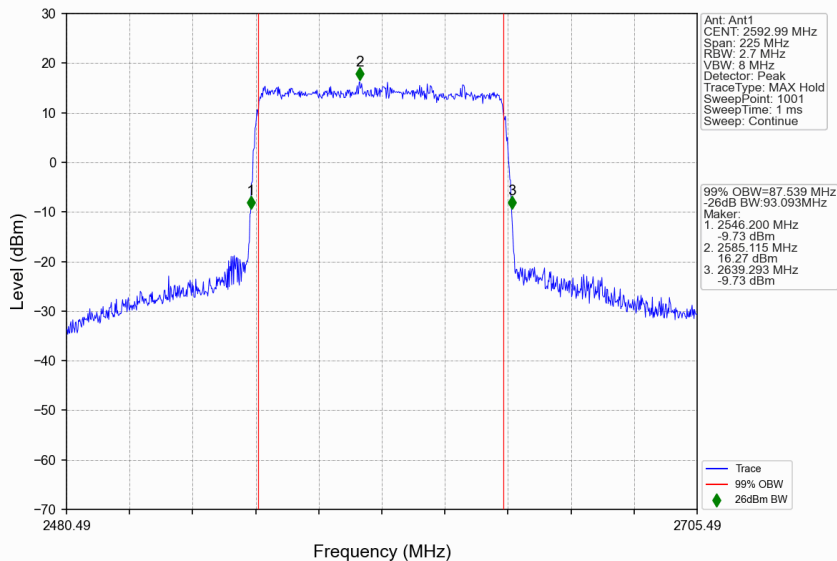
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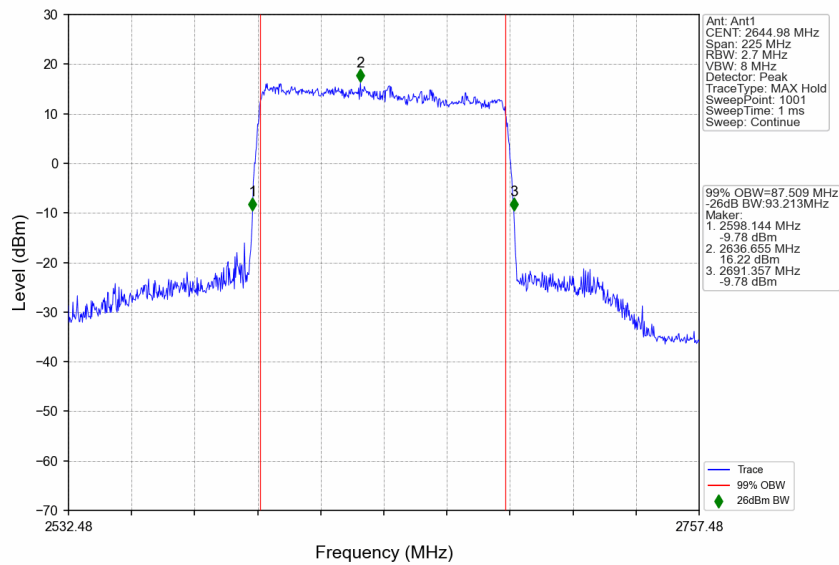


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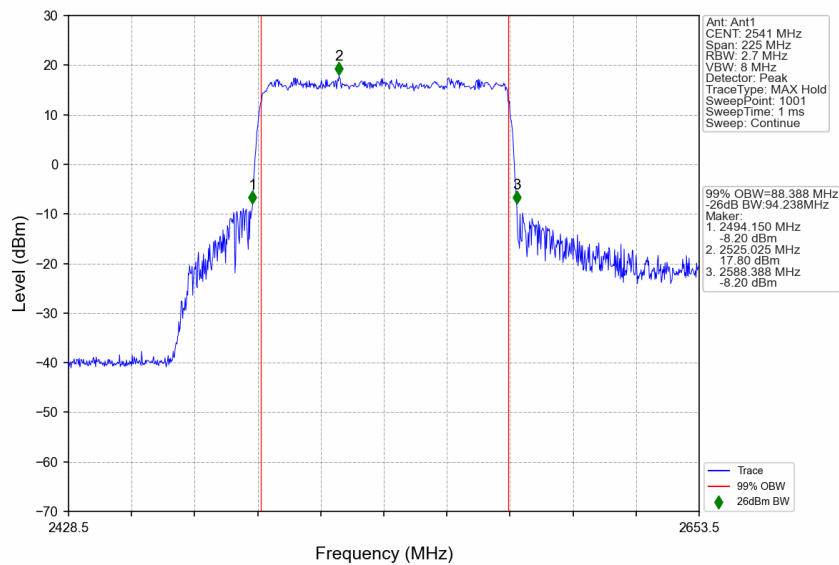
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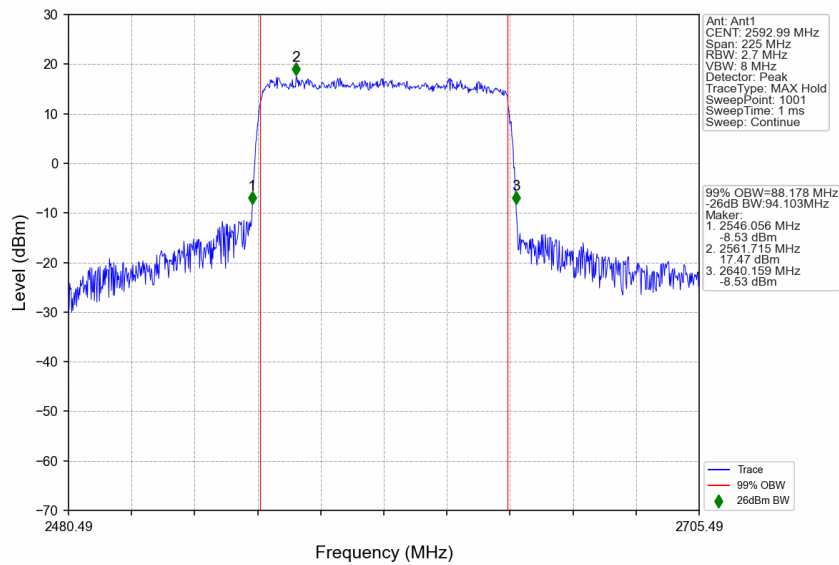


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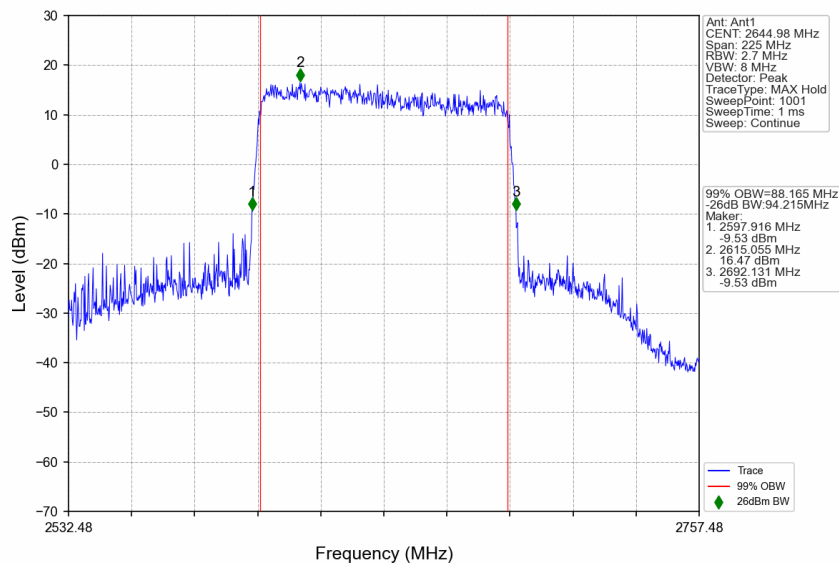
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n41_30kHz_SISO_NTNV_90MHz_CP-OFDM QPSK_2592.99MHz_Outer_Full



n41_30kHz_SISO_NTNV_90MHz_CP-OFDM QPSK_2644.98MHz_Outer_Full



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South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com