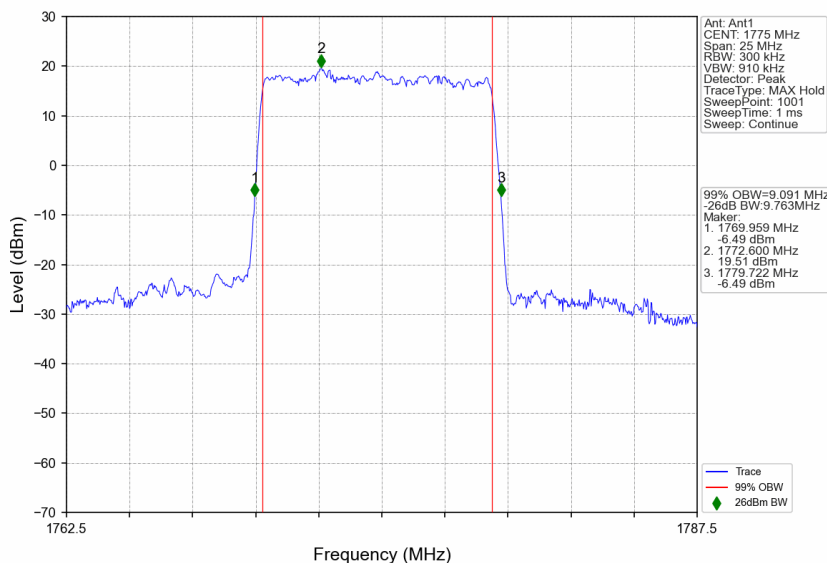
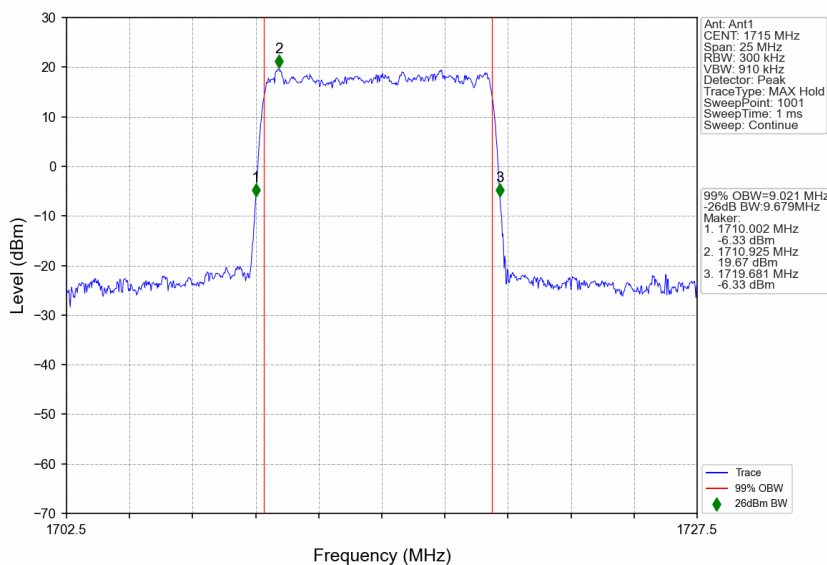


n66_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_1775MHz_Outer_Full



n66_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_1715MHz_Outer_Full



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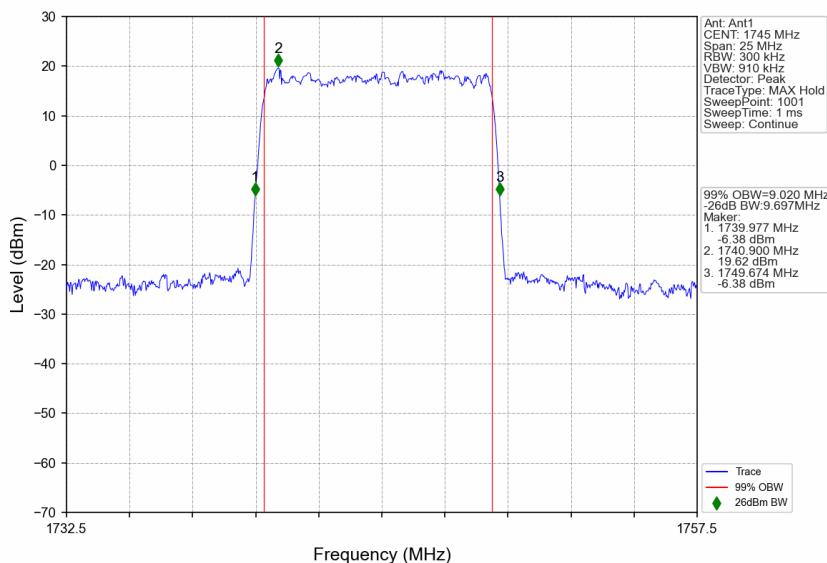
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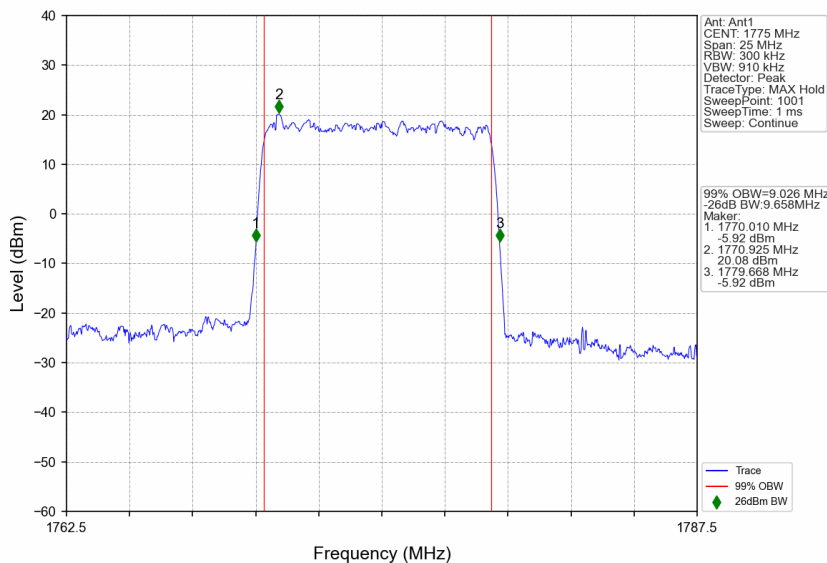
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t (86-512) 62992980 sgs.china@sgs.com

n66_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_1745MHz_Outer_Full



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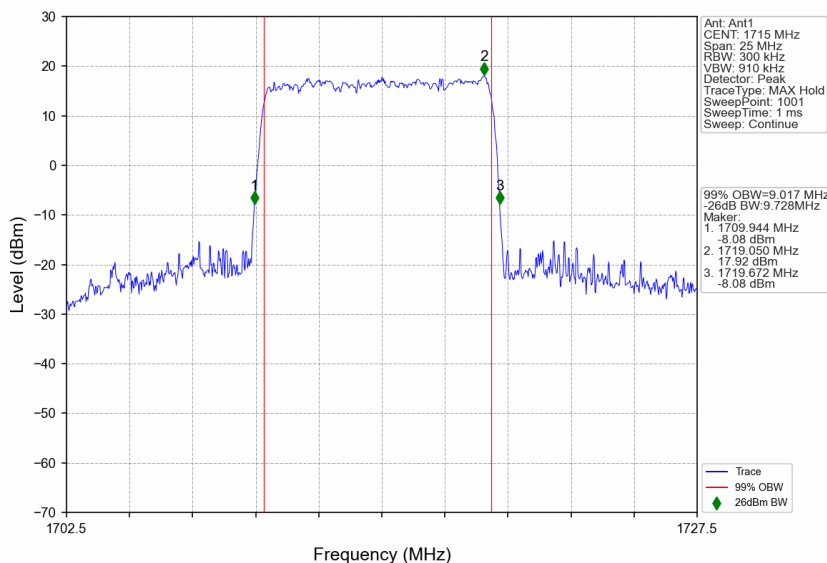


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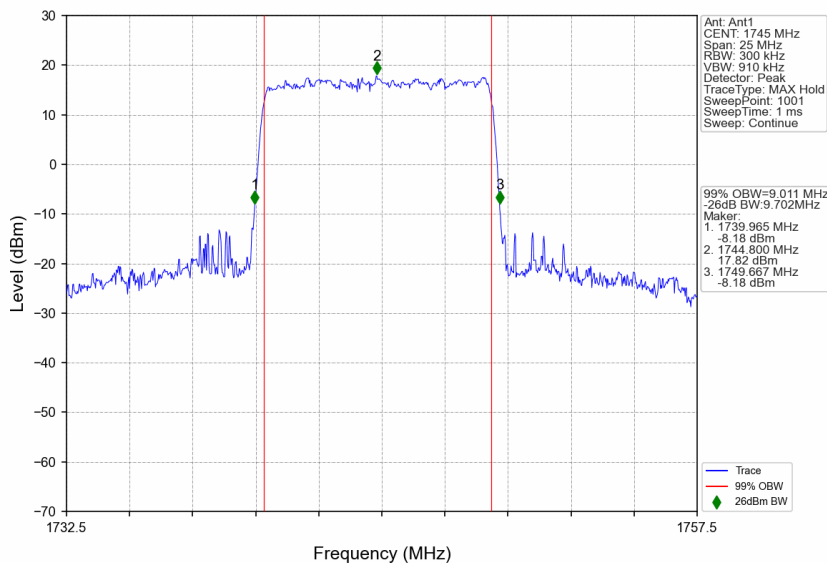
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n66_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM_1715MHz_Outer_Full



n66_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM_1745MHz_Outer_Full

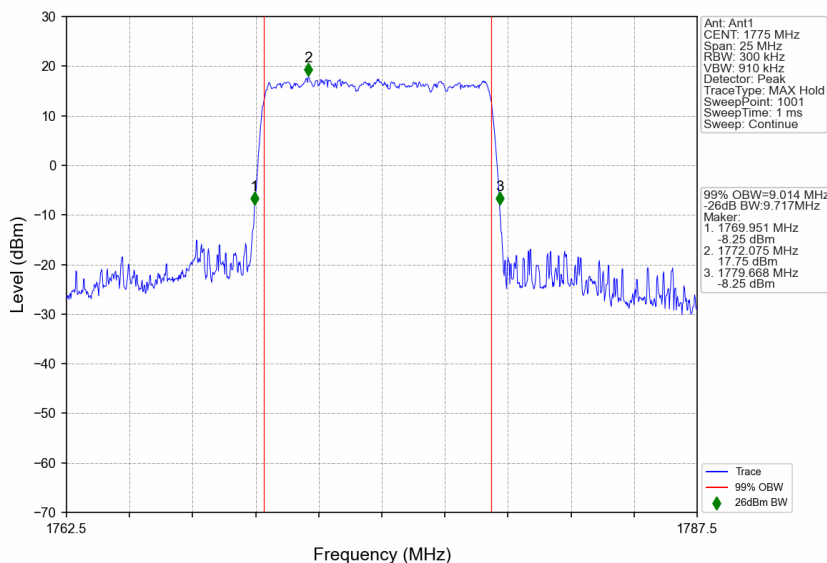


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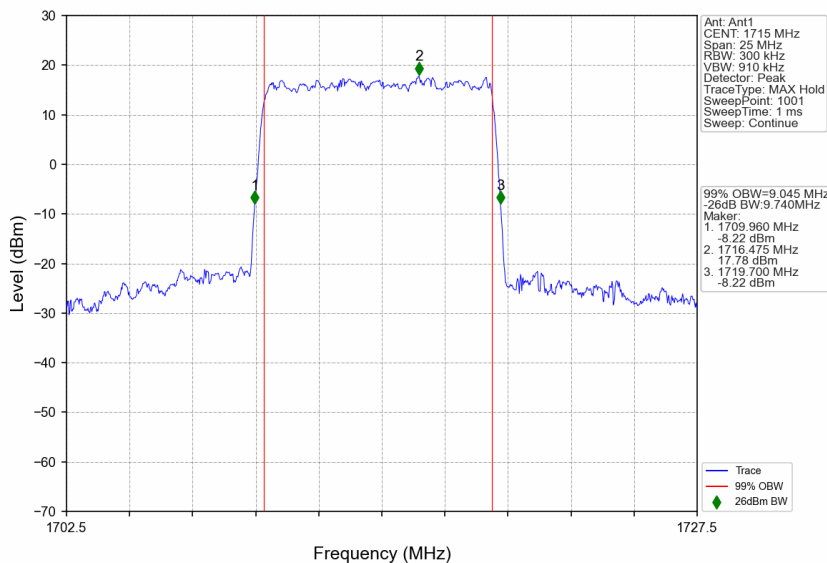
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n66_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM_1775MHz_Outer_Full



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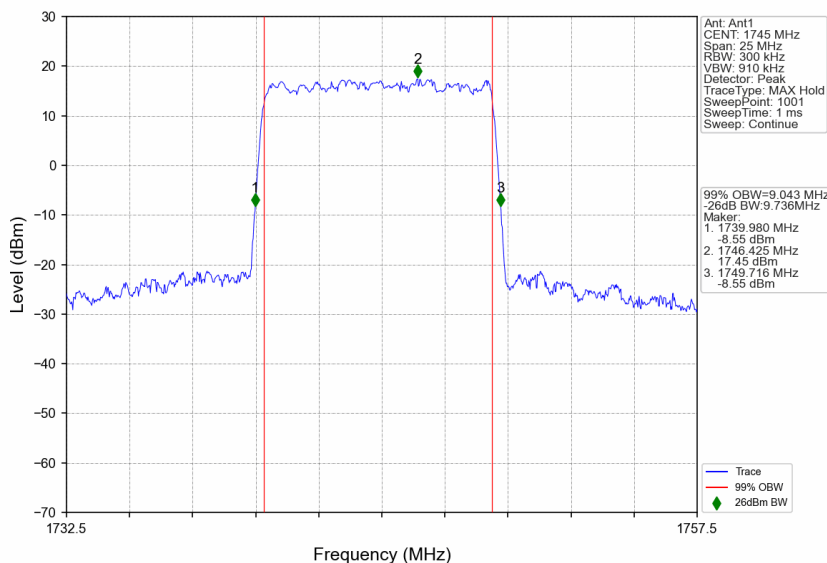


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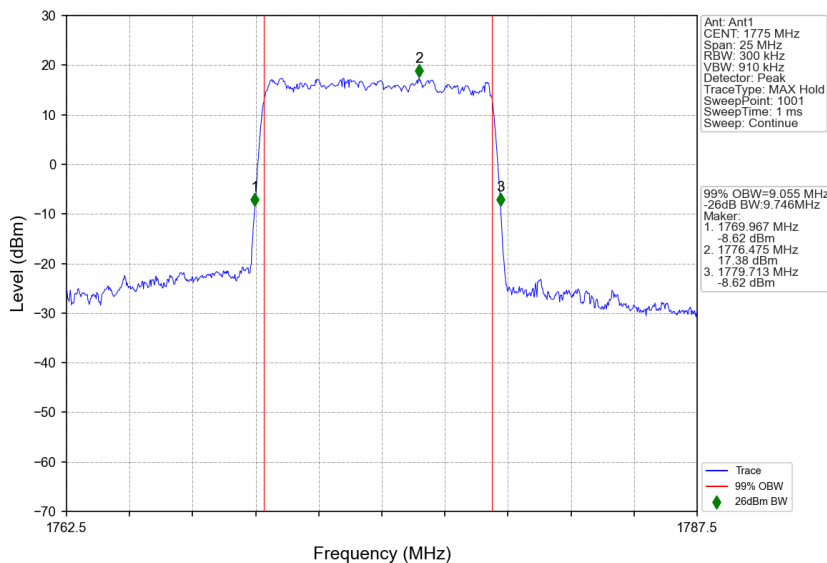
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n66_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 64 QAM_1745MHz_Outer_Full



n66_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 64 QAM_1775MHz_Outer_Full

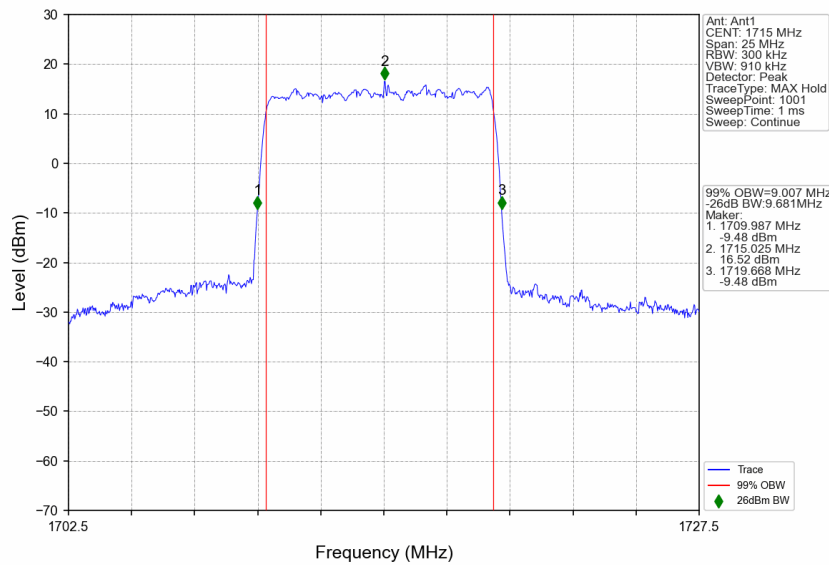


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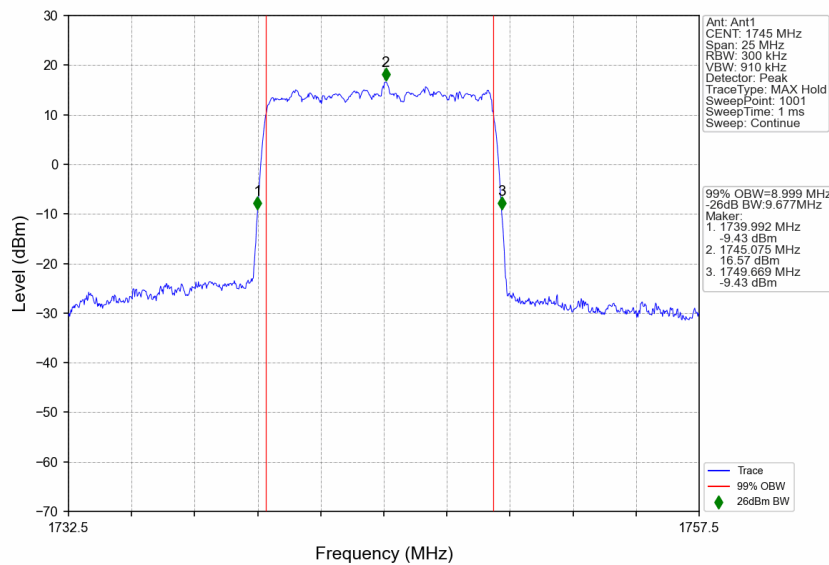
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n66_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 256 QAM_1715MHz_Outer_Full



n66_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 256 QAM_1745MHz_Outer_Full



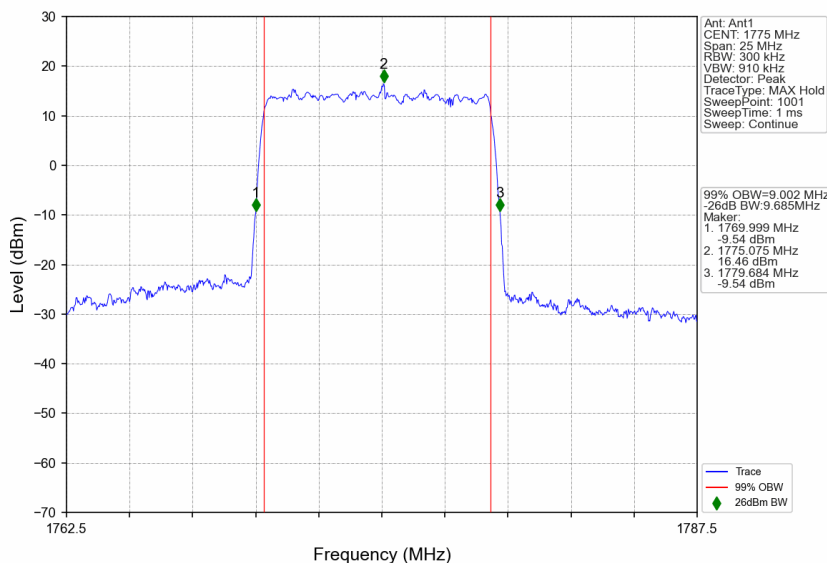
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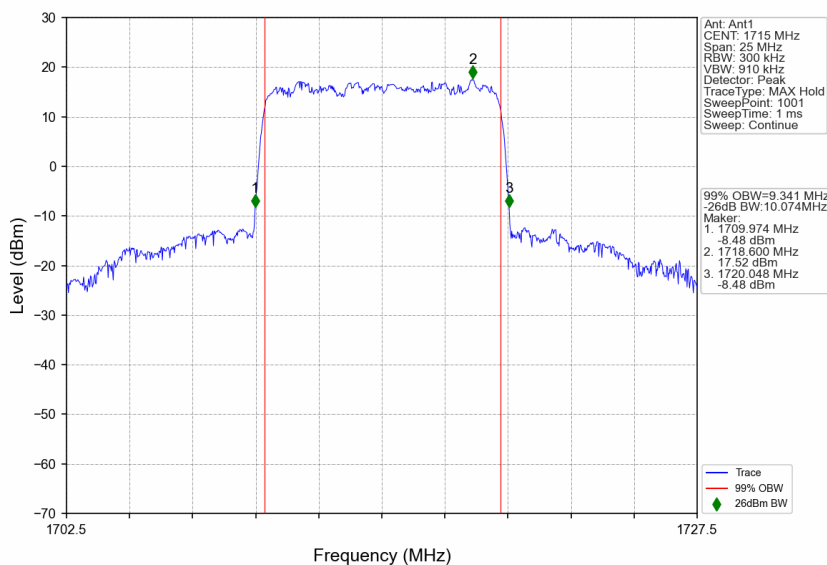
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n66_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM 256 QAM_1775MHz_Outer_Full



n66_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_1715MHz_Outer_Full



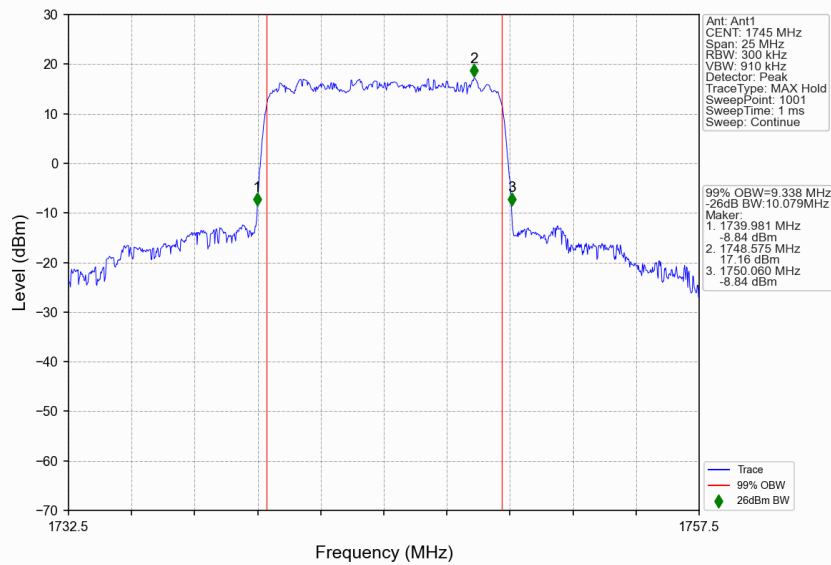
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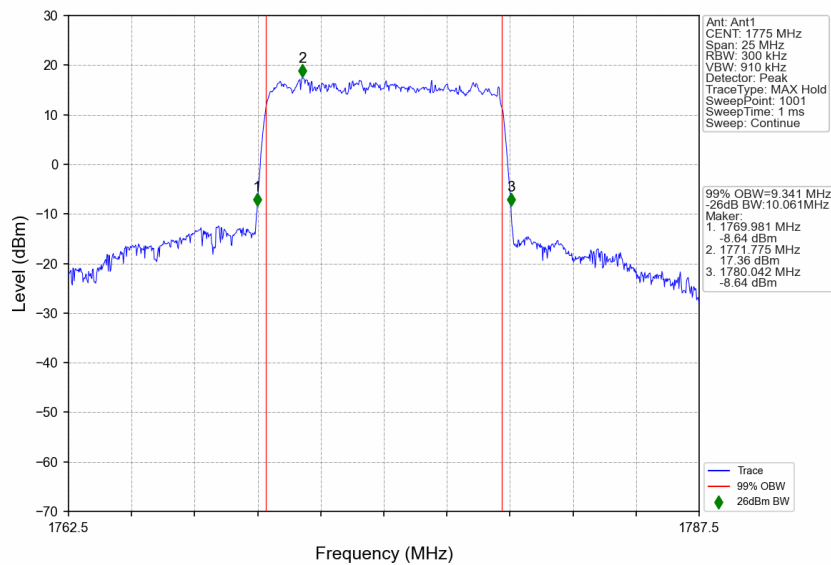
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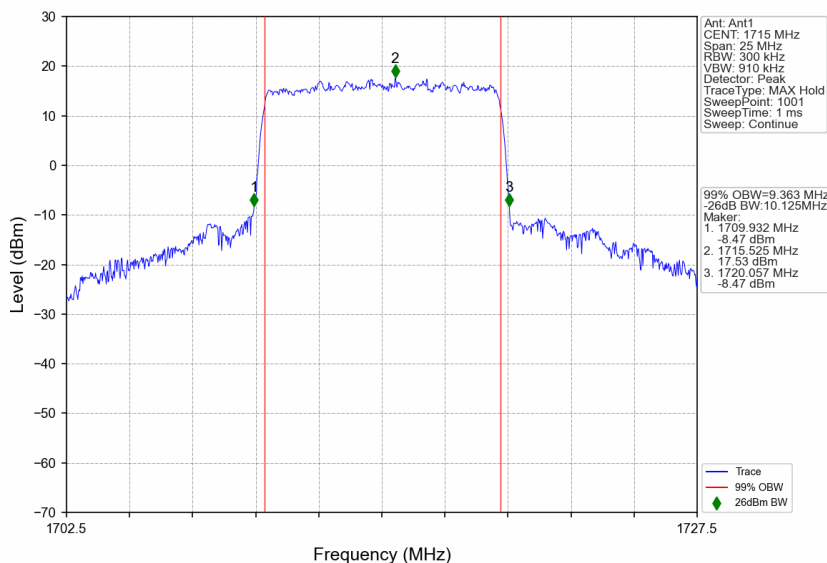


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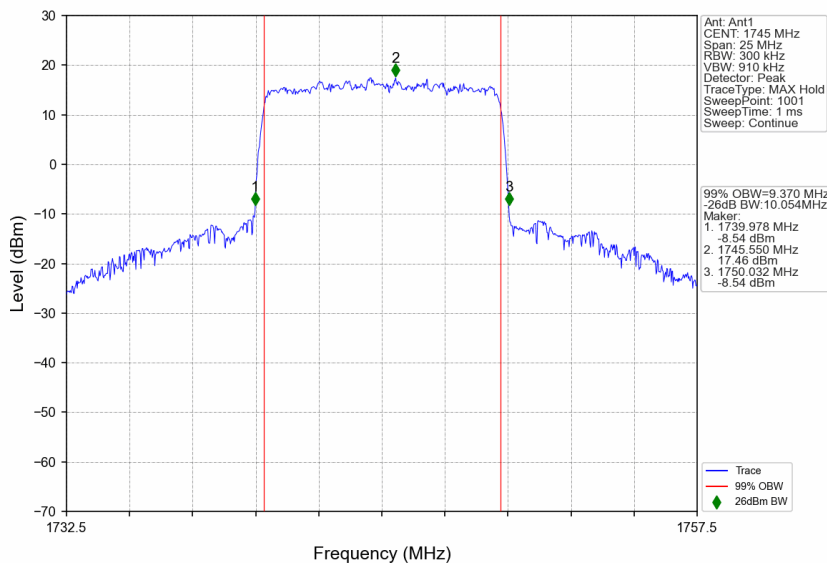
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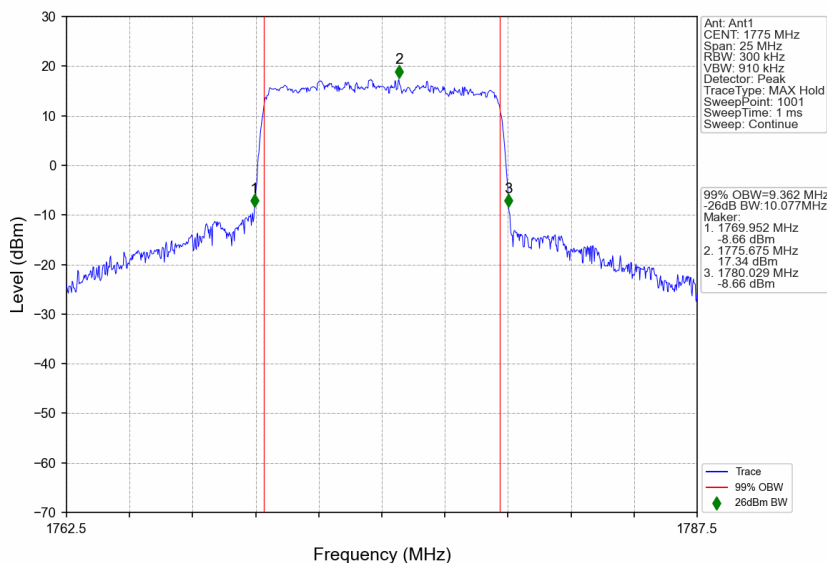


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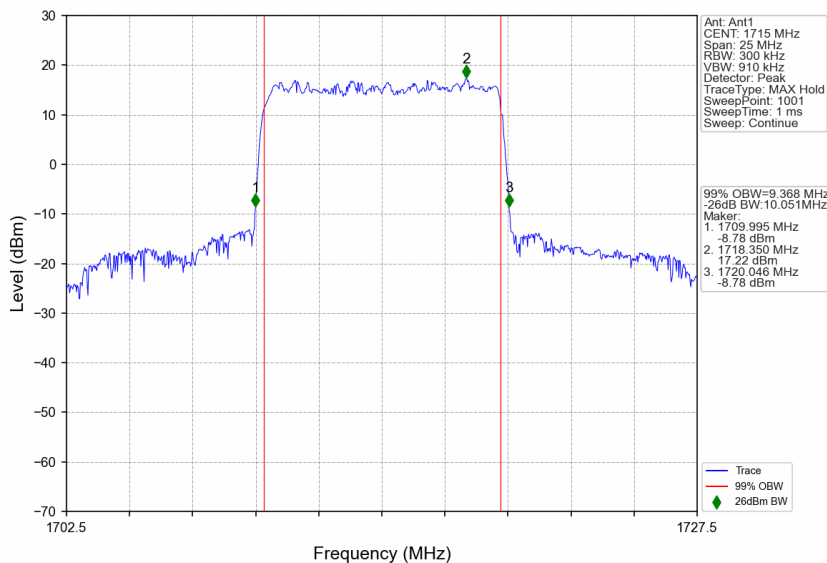
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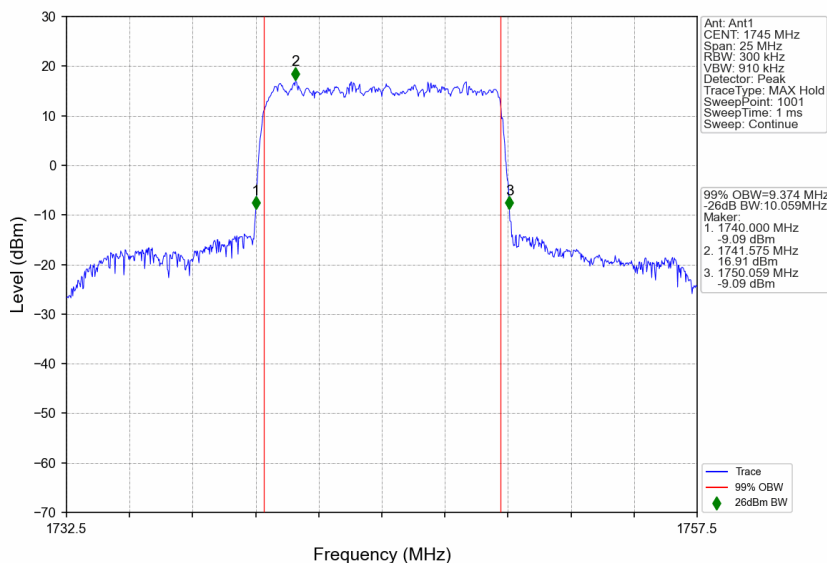
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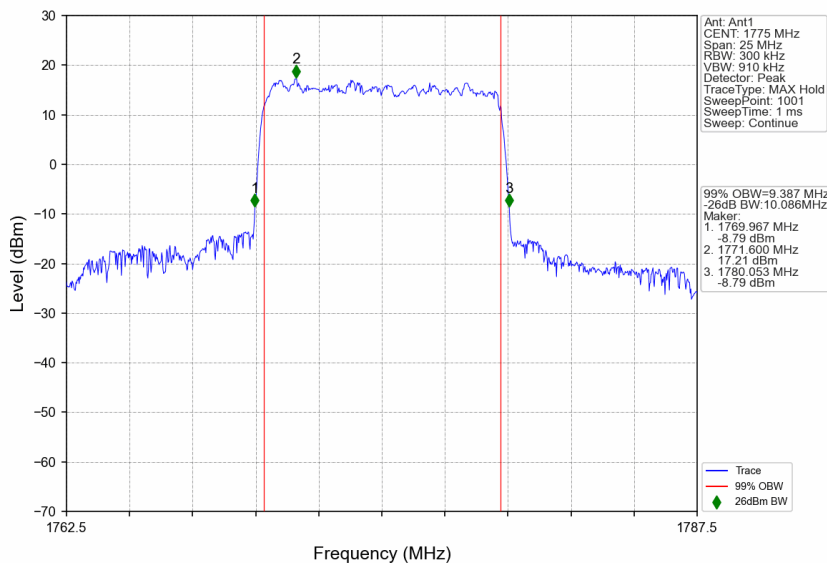
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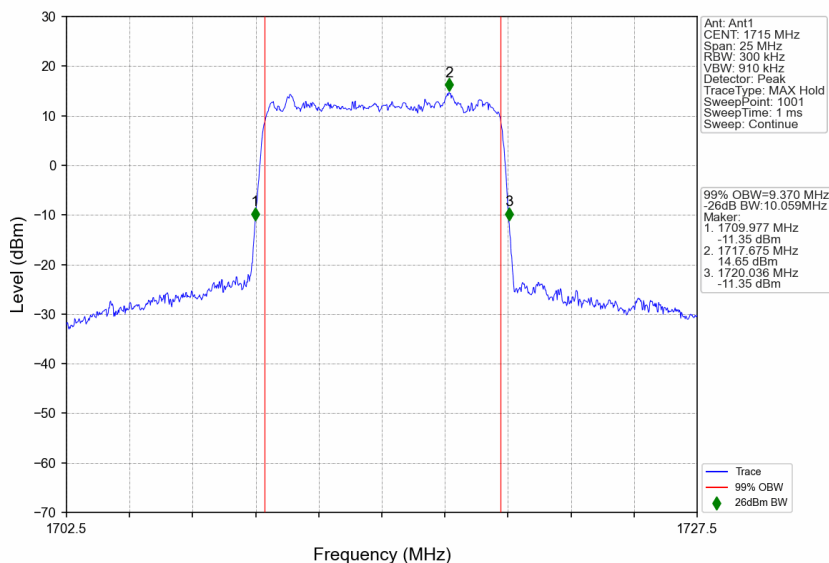


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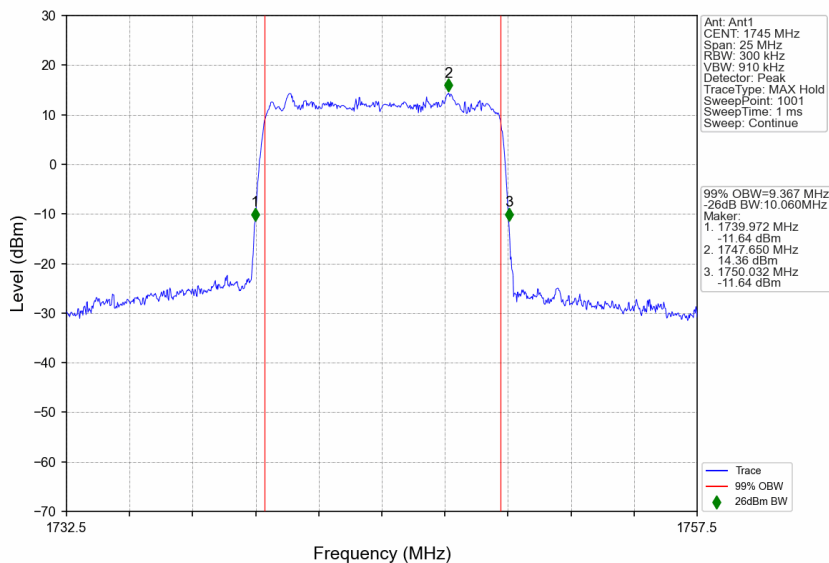
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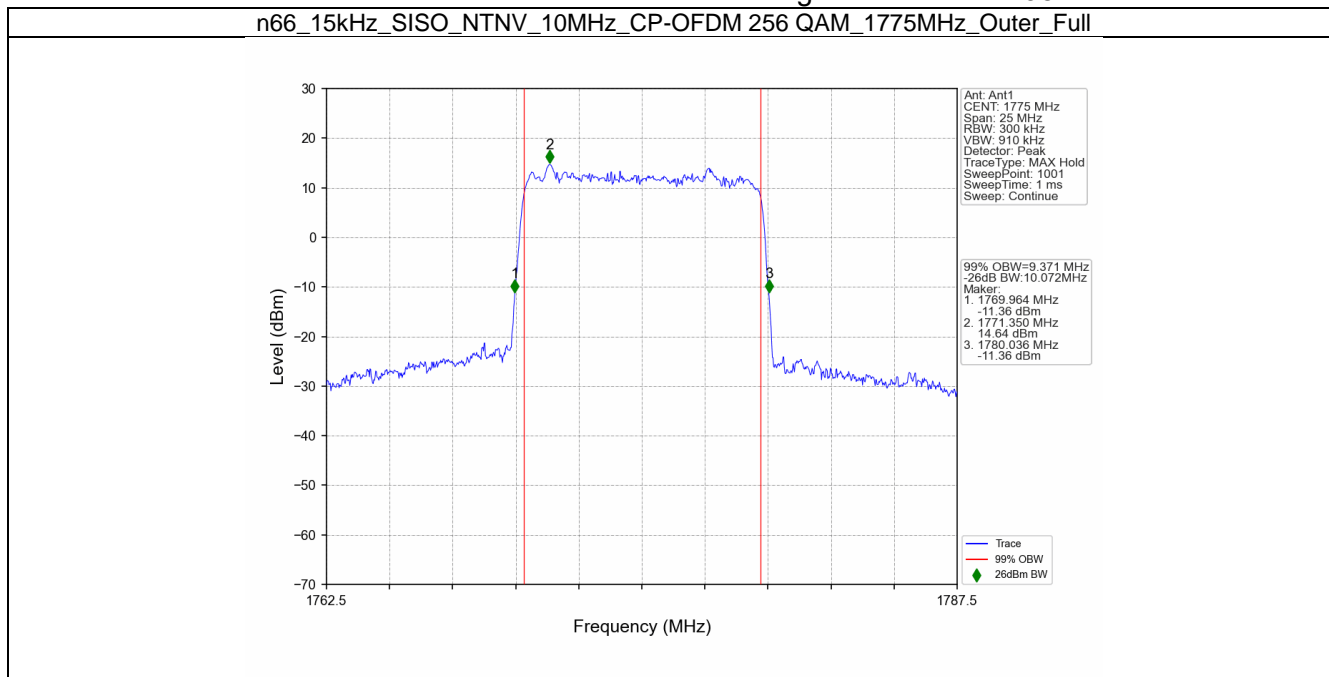


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4.3 15k_SISO_15MHz_NTNV

4.3.1 Test Result

5G NR n66 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	1717.5	Outer_Full	13.58	14.56	/	Pass
	1745	Outer_Full	13.60	14.56	/	Pass
	1772.5	Outer_Full	13.57	14.55	/	Pass
DFT-s-OFDM QPSK	1717.5	Outer_Full	13.54	14.58	/	Pass
	1745	Outer_Full	13.59	14.56	/	Pass
	1772.5	Outer_Full	13.56	14.64	/	Pass
DFT-s-OFDM 16 QAM	1717.5	Outer_Full	13.55	14.60	/	Pass
	1745	Outer_Full	13.56	14.57	/	Pass
	1772.5	Outer_Full	13.54	14.60	/	Pass
DFT-s-OFDM 64 QAM	1717.5	Outer_Full	13.58	14.59	/	Pass
	1745	Outer_Full	13.58	14.59	/	Pass
	1772.5	Outer_Full	13.57	14.57	/	Pass
DFT-s-OFDM 256 QAM	1717.5	Outer_Full	13.54	14.56	/	Pass
	1745	Outer_Full	13.56	14.54	/	Pass
	1772.5	Outer_Full	13.54	14.54	/	Pass
CP-OFDM QPSK	1717.5	Outer_Full	14.20	15.25	/	Pass
	1745	Outer_Full	14.22	15.25	/	Pass
	1772.5	Outer_Full	14.20	15.24	/	Pass
CP-OFDM 16 QAM	1717.5	Outer_Full	14.27	15.28	/	Pass
	1745	Outer_Full	14.29	15.30	/	Pass
	1772.5	Outer_Full	14.28	15.29	/	Pass
CP-OFDM 64 QAM	1717.5	Outer_Full	14.25	15.32	/	Pass
	1745	Outer_Full	14.26	15.28	/	Pass
	1772.5	Outer_Full	14.25	15.26	/	Pass
CP-OFDM 256 QAM	1717.5	Outer_Full	14.23	15.25	/	Pass
	1745	Outer_Full	14.25	15.27	/	Pass
	1772.5	Outer_Full	14.24	15.31	/	Pass

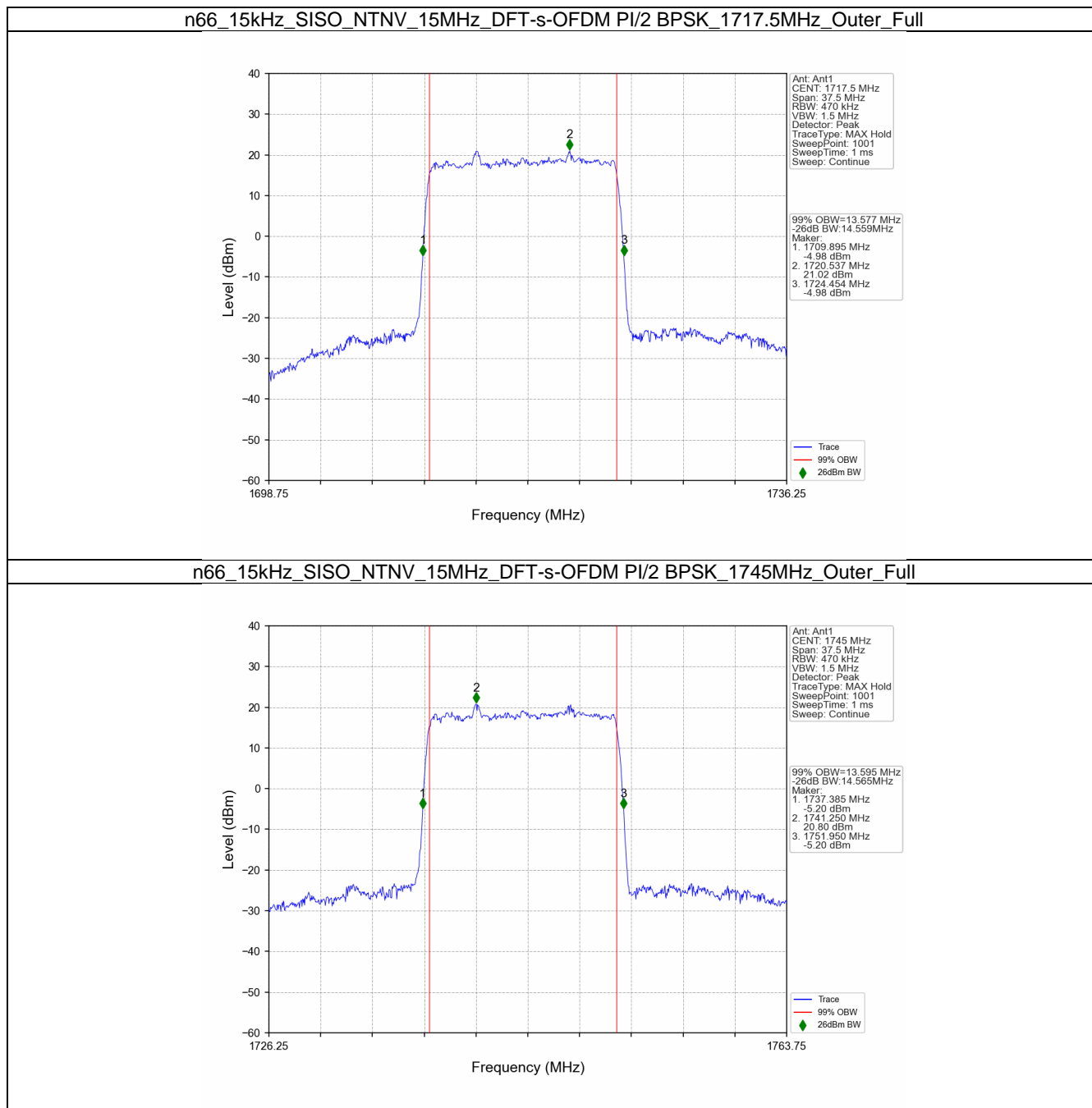


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4.3.2 Test Graph

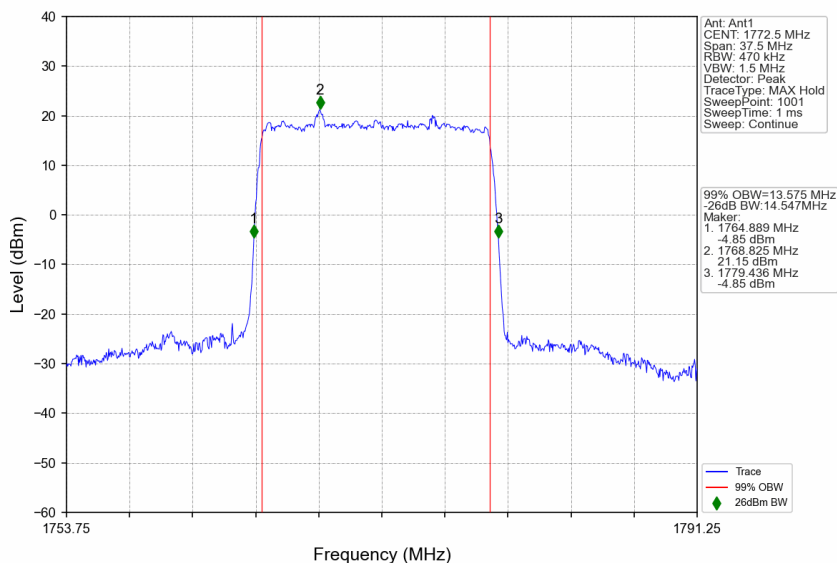


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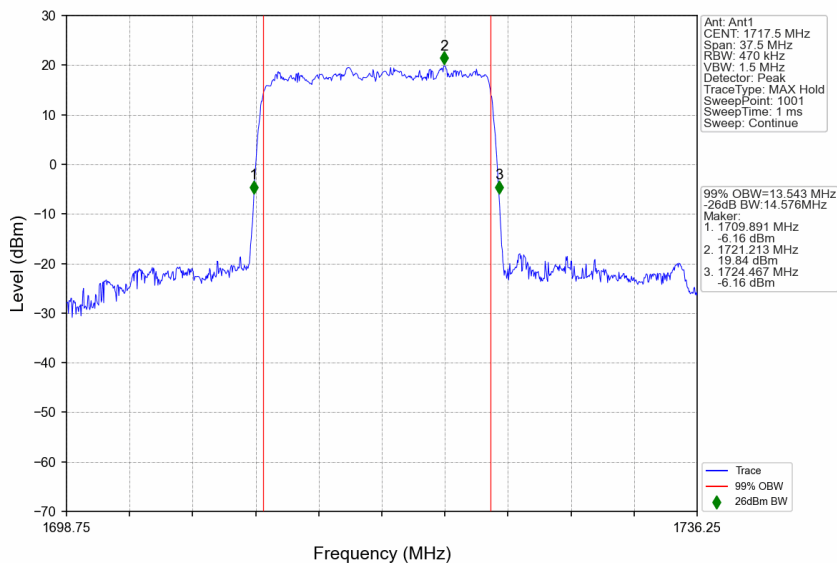
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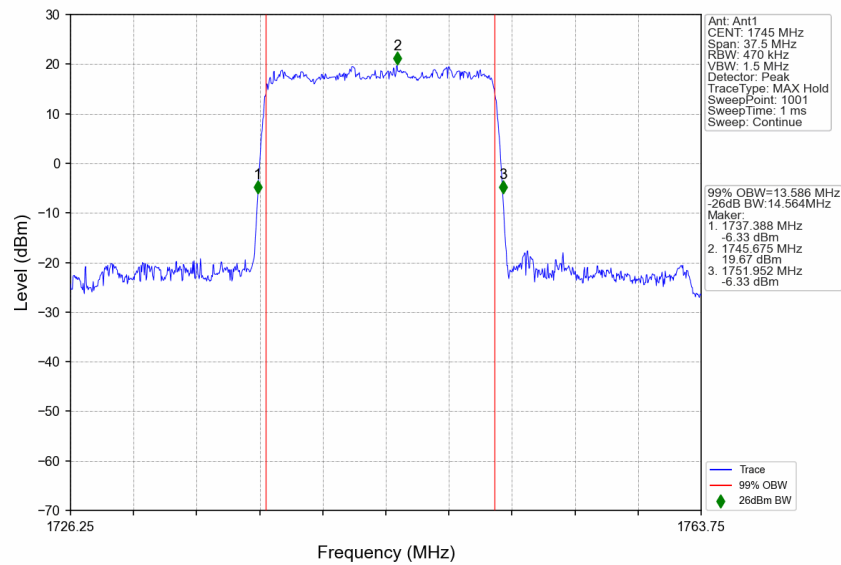


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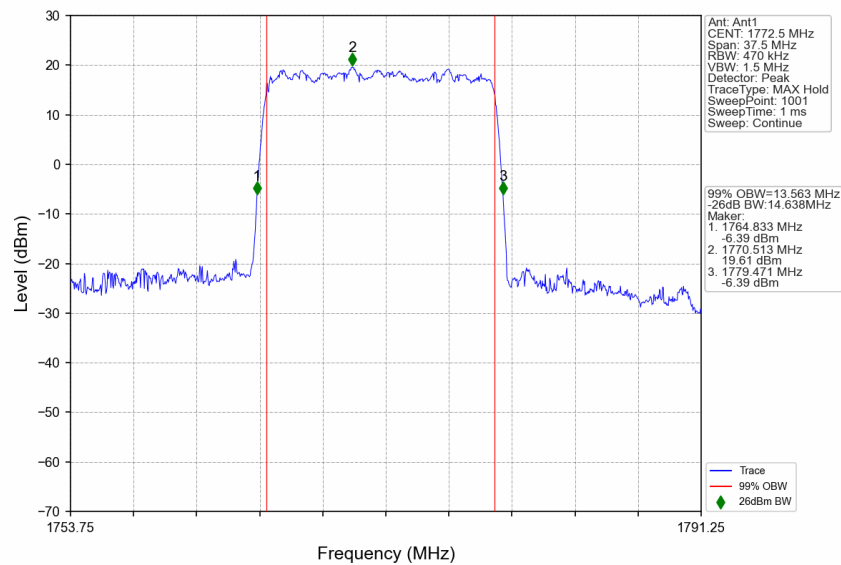
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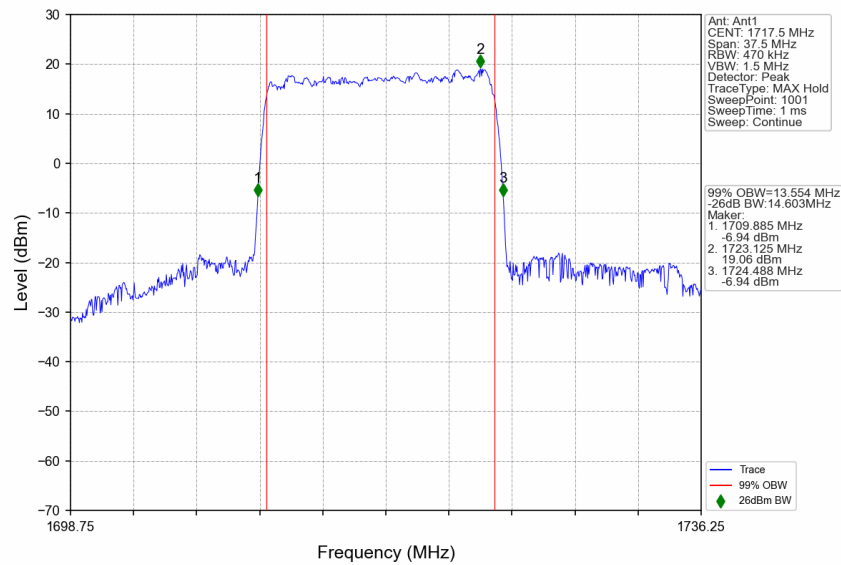


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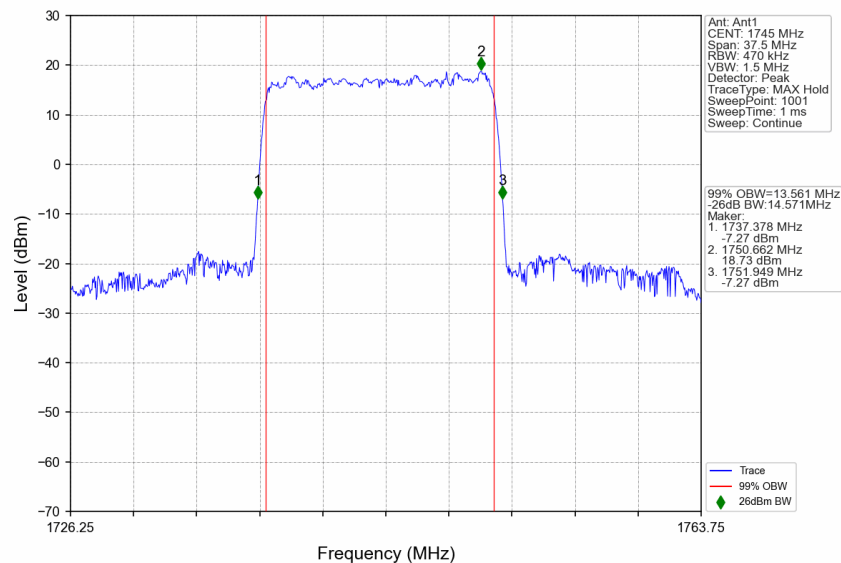
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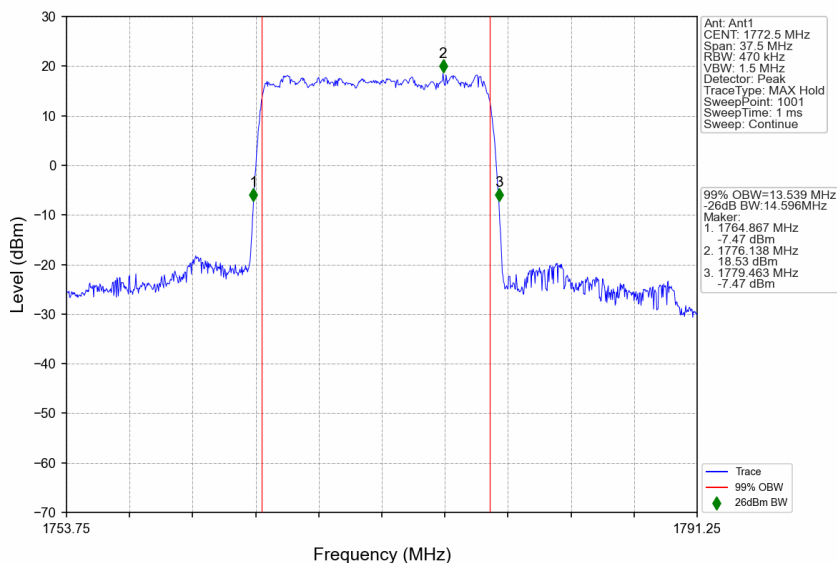


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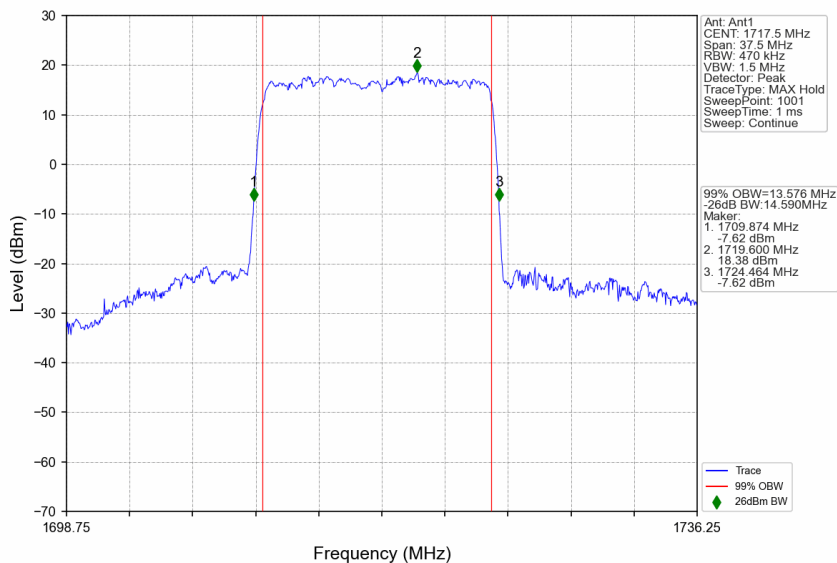
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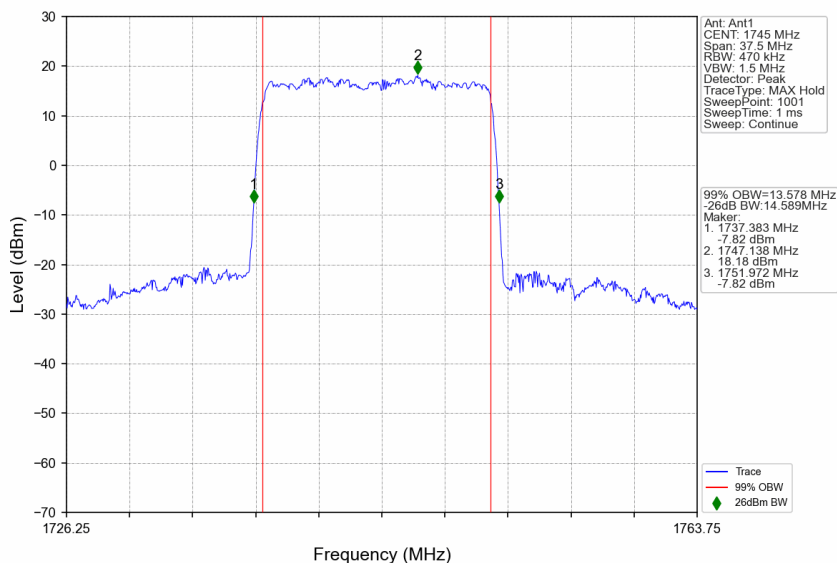


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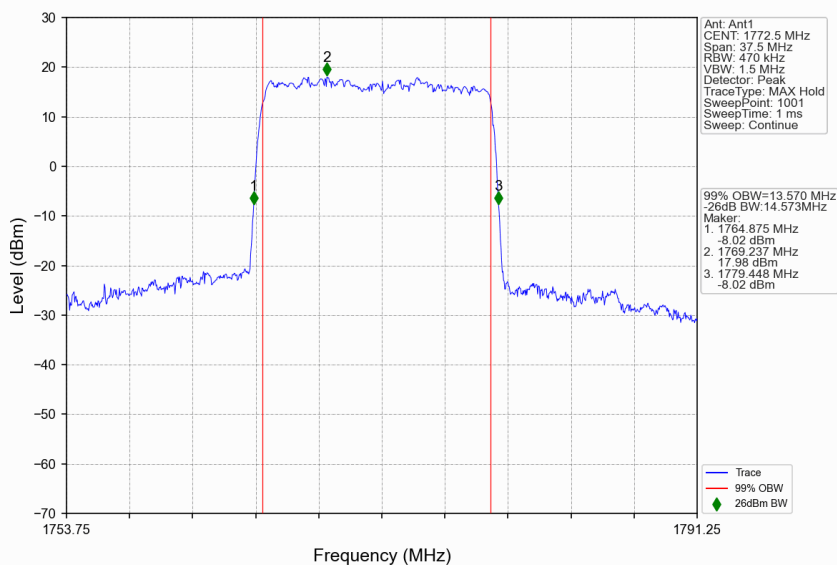
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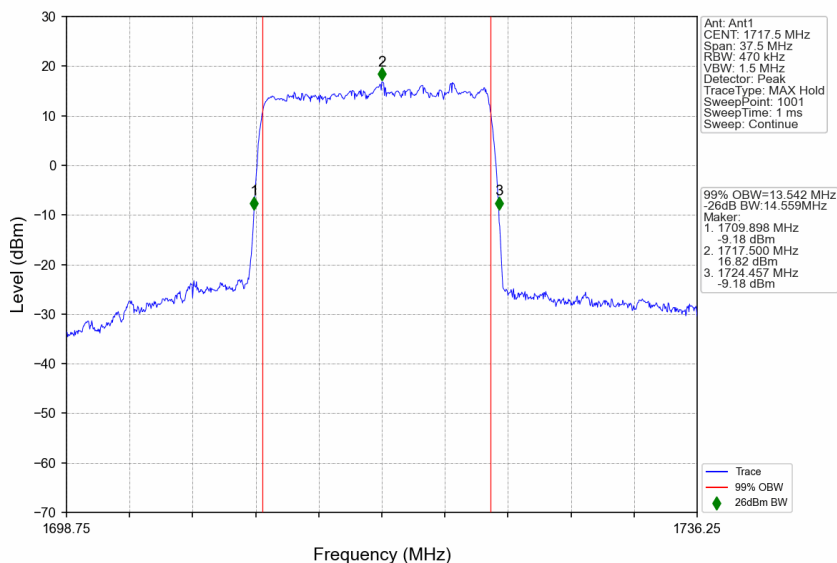


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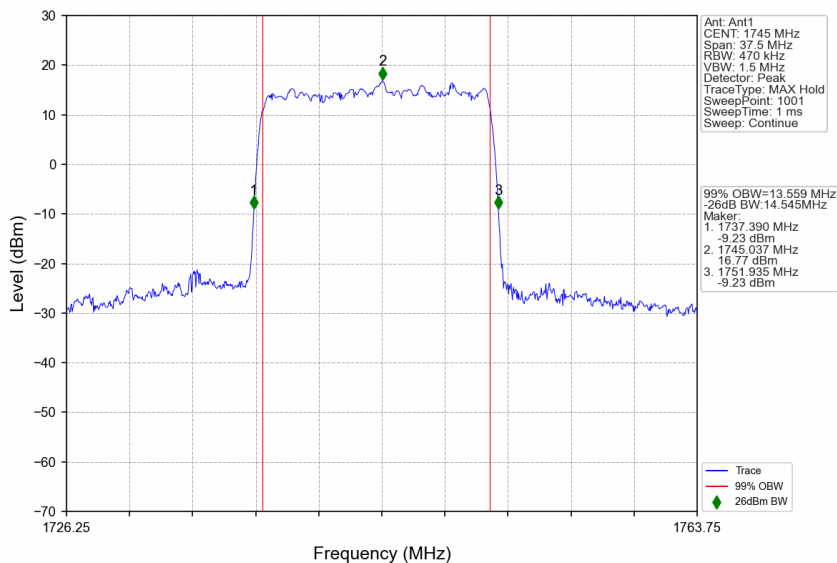
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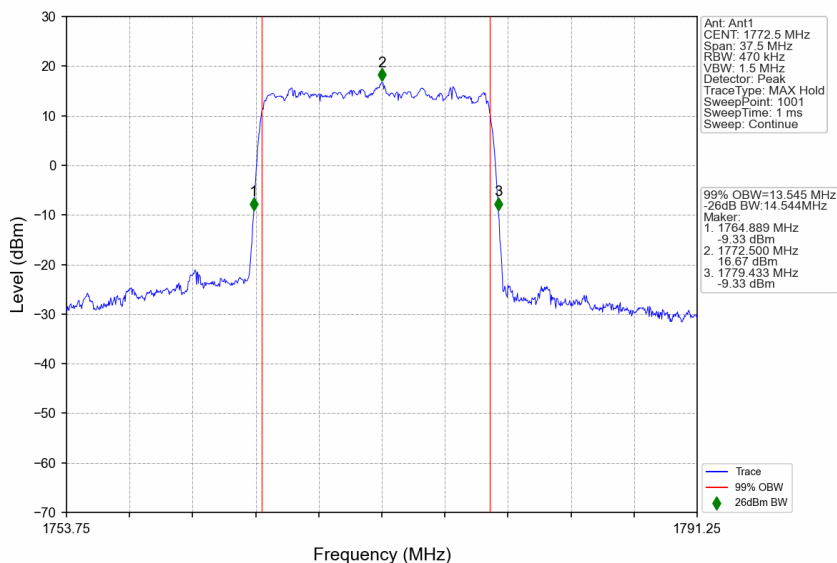
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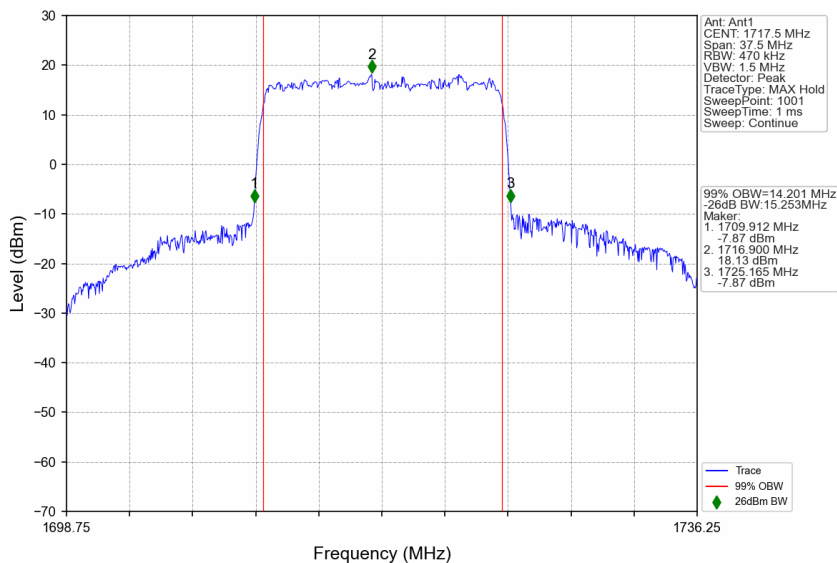
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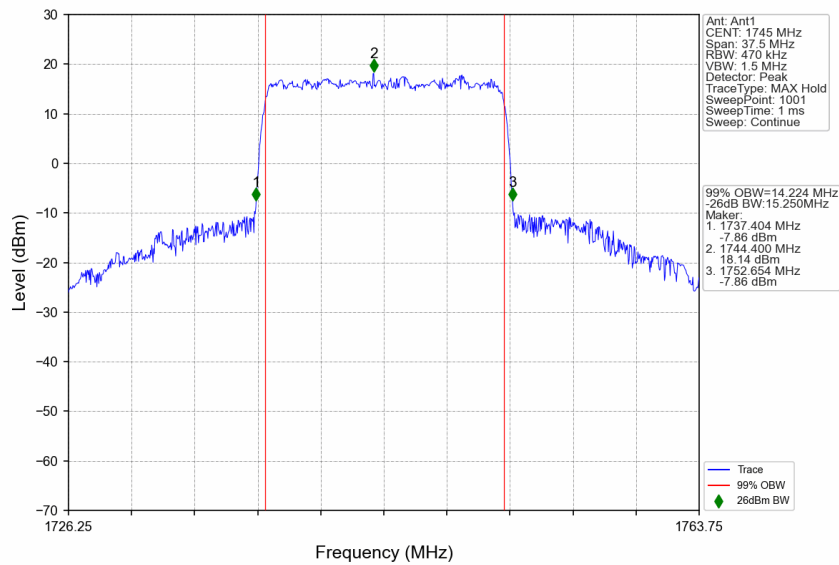


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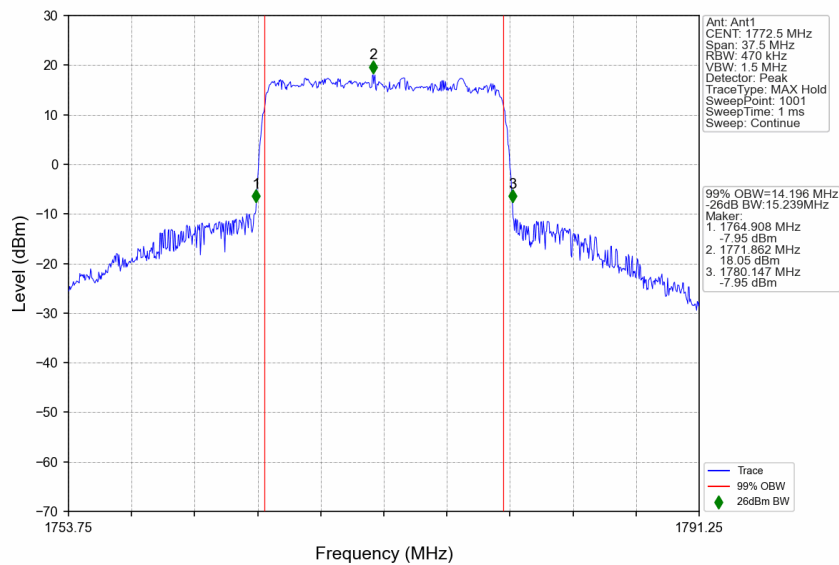
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n66_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_1745MHz_Outer_Full



n66_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_1772.5MHz_Outer_Full

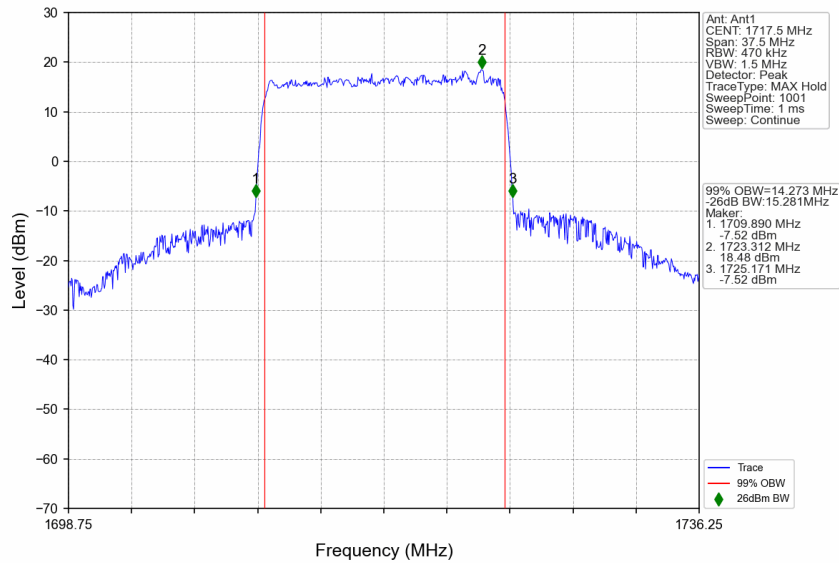


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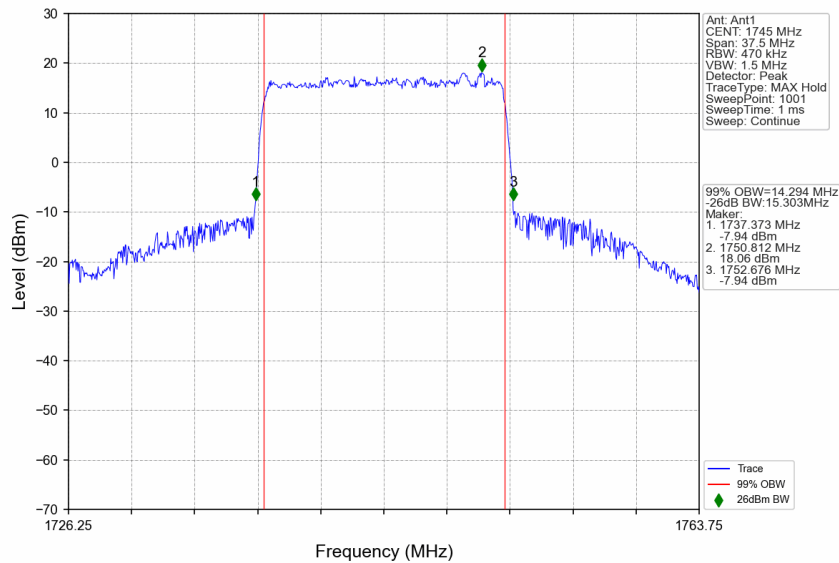
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n66_15kHz_SISO_NTNV_15MHz_CP-OFDM 16 QAM_1717.5MHz_Outer_Full



n66_15kHz_SISO_NTNV_15MHz_CP-OFDM 16 QAM_1745MHz_Outer_Full

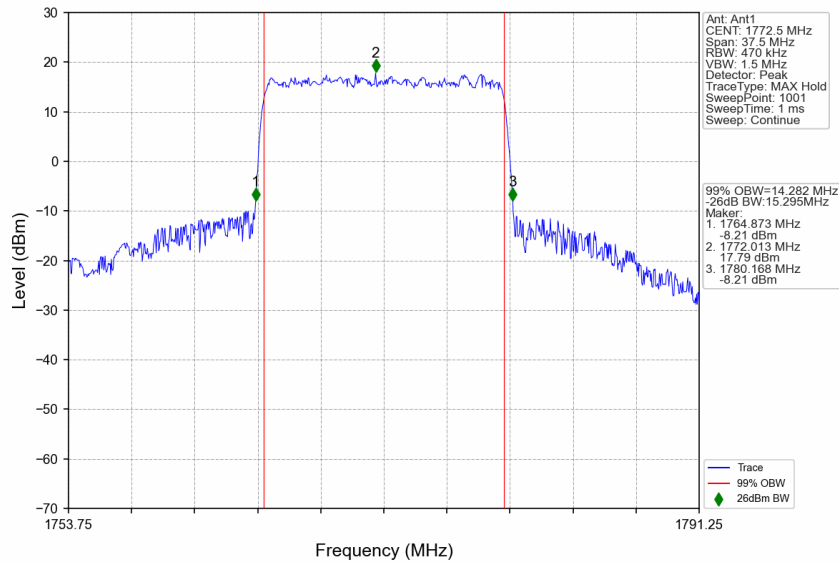


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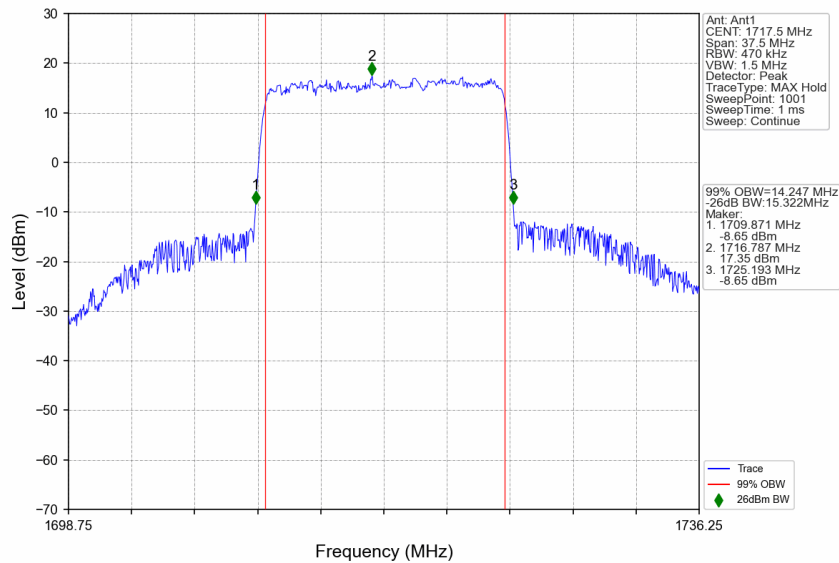
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n66_15kHz_SISO_NTNV_15MHz_CP-OFDM 16 QAM_1772.5MHz_Outer_Full



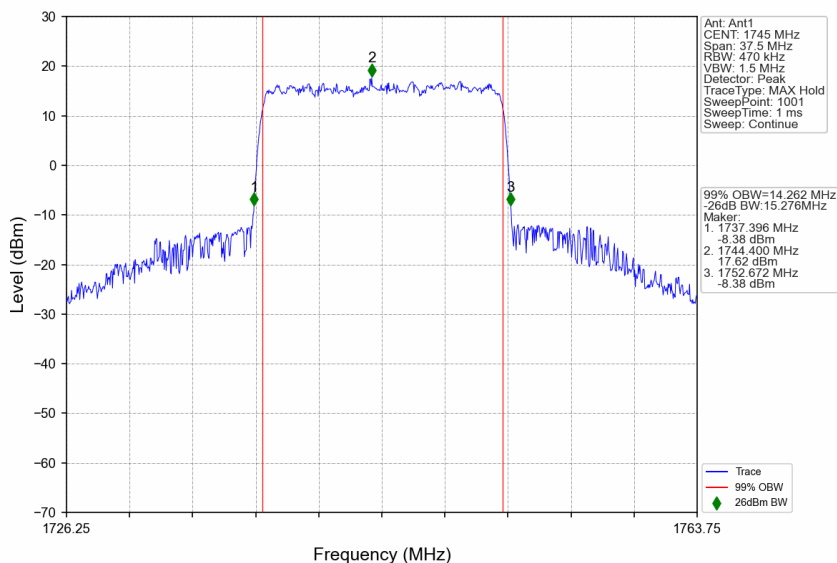
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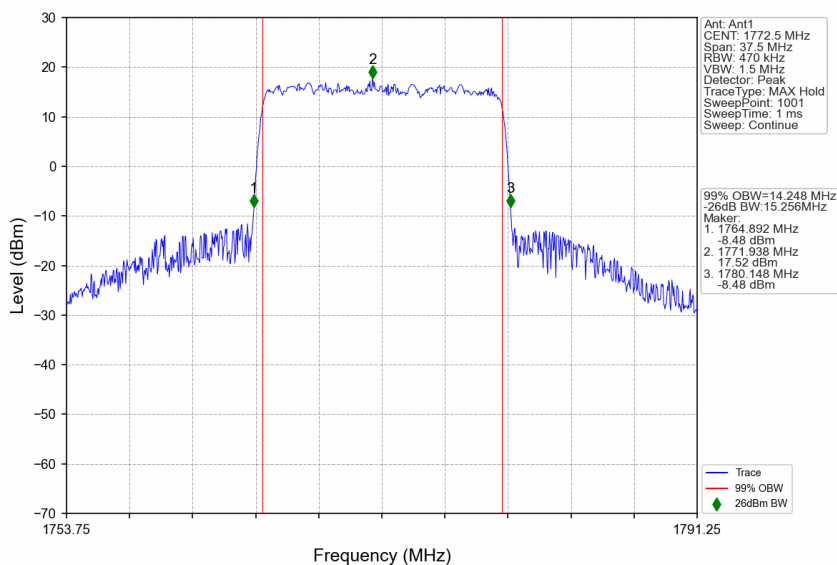
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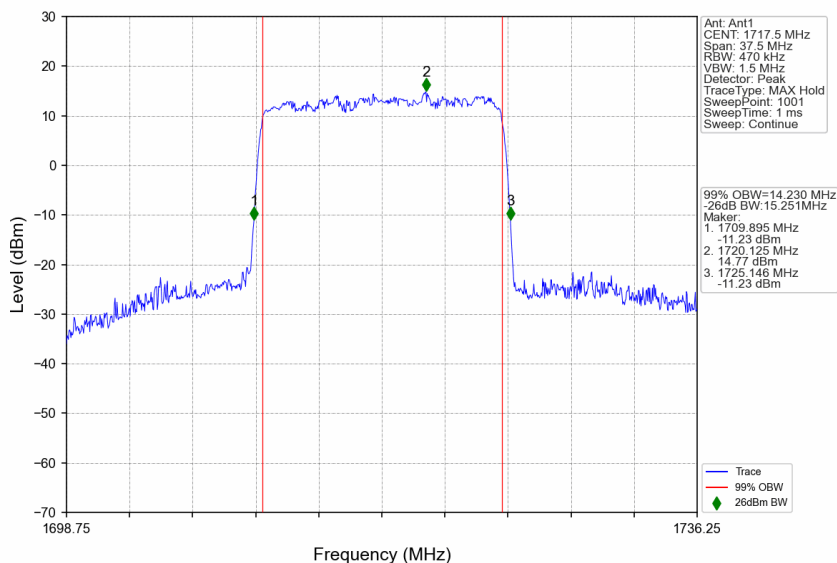


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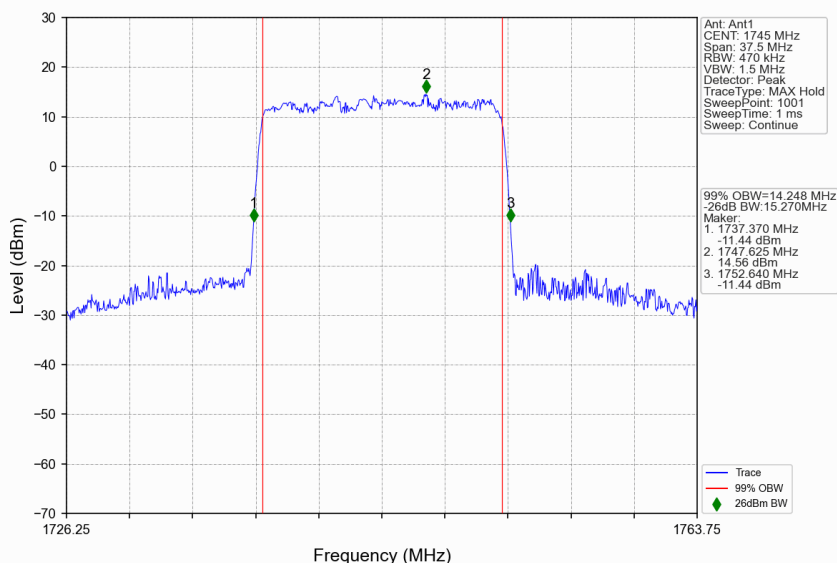
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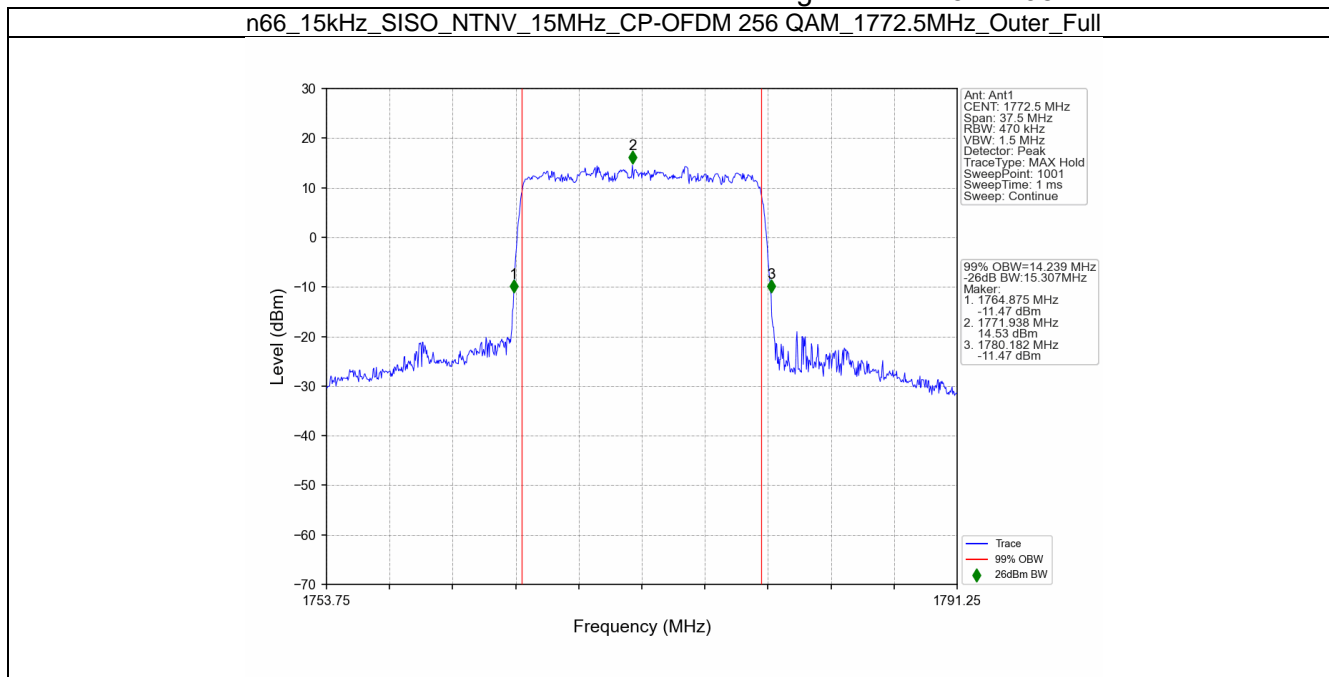


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4.4 15k_SISO_20MHz_NTNV

4.4.1 Test Result

5G NR n66 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	1720	Outer_Full	18.10	19.40	/	Pass
	1745	Outer_Full	18.23	19.36	/	Pass
	1770	Outer_Full	18.19	19.37	/	Pass
DFT-s-OFDM QPSK	1720	Outer_Full	18.06	19.38	/	Pass
	1745	Outer_Full	18.07	19.40	/	Pass
	1770	Outer_Full	18.05	19.39	/	Pass
DFT-s-OFDM 16 QAM	1720	Outer_Full	18.04	19.44	/	Pass
	1745	Outer_Full	18.04	19.43	/	Pass
	1770	Outer_Full	18.05	19.40	/	Pass
DFT-s-OFDM 64 QAM	1720	Outer_Full	18.09	19.47	/	Pass
	1745	Outer_Full	18.10	19.46	/	Pass
	1770	Outer_Full	18.09	19.42	/	Pass
DFT-s-OFDM 256 QAM	1720	Outer_Full	18.02	19.39	/	Pass
	1745	Outer_Full	18.03	19.39	/	Pass
	1770	Outer_Full	18.00	19.36	/	Pass
CP-OFDM QPSK	1720	Outer_Full	19.10	20.46	/	Pass
	1745	Outer_Full	19.14	21.50	/	Pass
	1770	Outer_Full	19.13	20.44	/	Pass
CP-OFDM 16 QAM	1720	Outer_Full	19.09	20.47	/	Pass
	1745	Outer_Full	19.11	20.78	/	Pass
	1770	Outer_Full	19.08	20.45	/	Pass
CP-OFDM 64 QAM	1720	Outer_Full	19.16	20.48	/	Pass
	1745	Outer_Full	19.17	20.99	/	Pass
	1770	Outer_Full	19.14	20.45	/	Pass
CP-OFDM 256 QAM	1720	Outer_Full	19.04	20.47	/	Pass
	1745	Outer_Full	19.05	20.45	/	Pass
	1770	Outer_Full	19.03	20.48	/	Pass

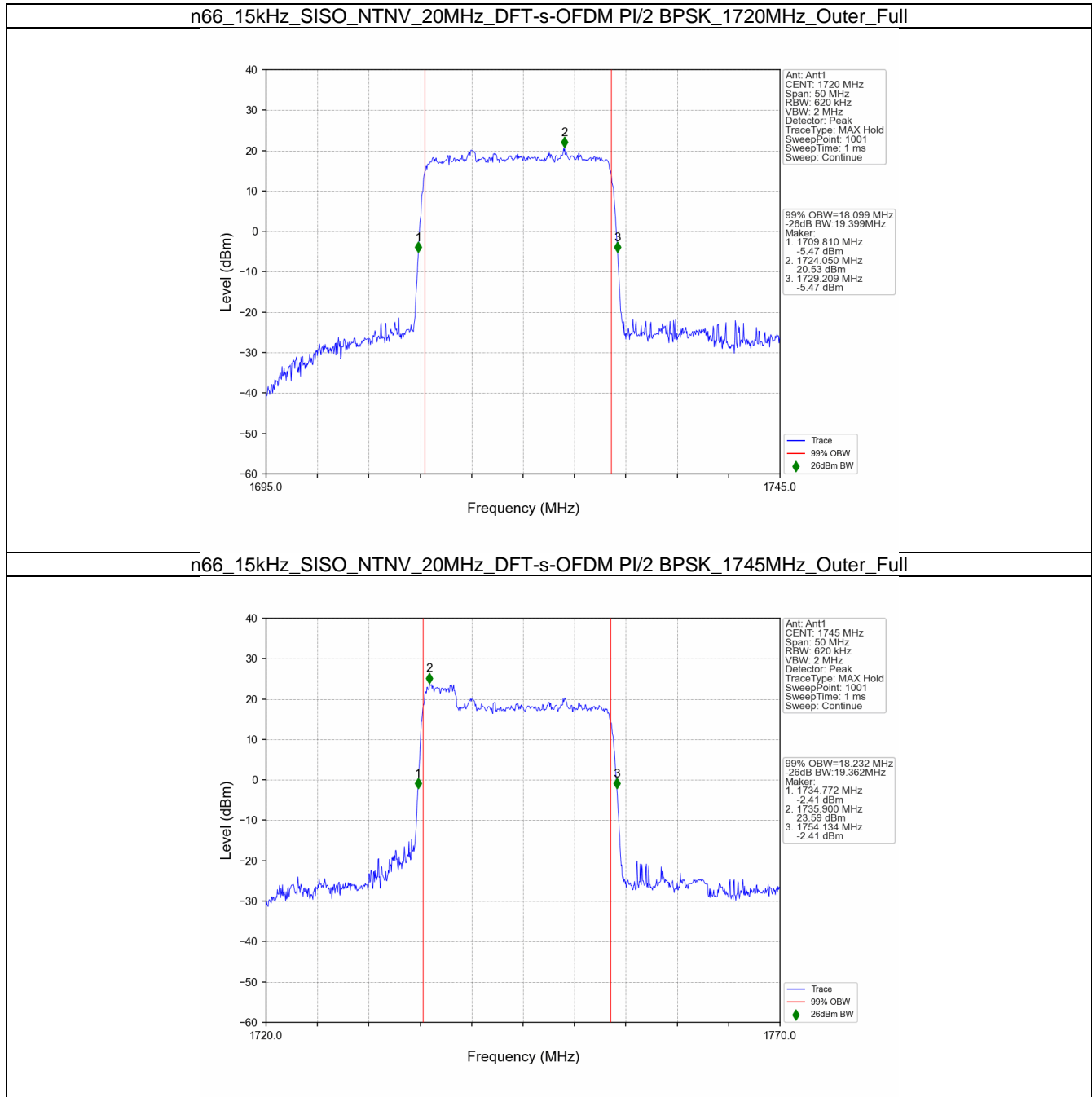


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4.4.2 Test Graph

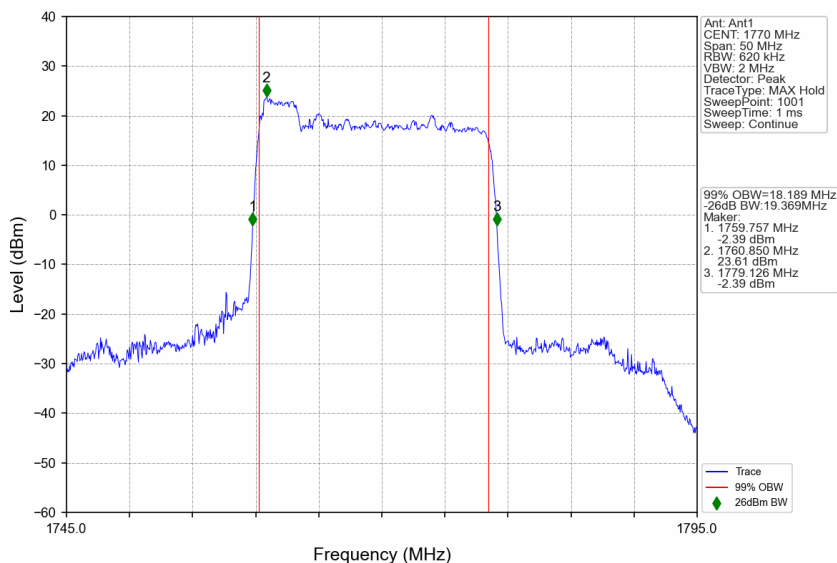


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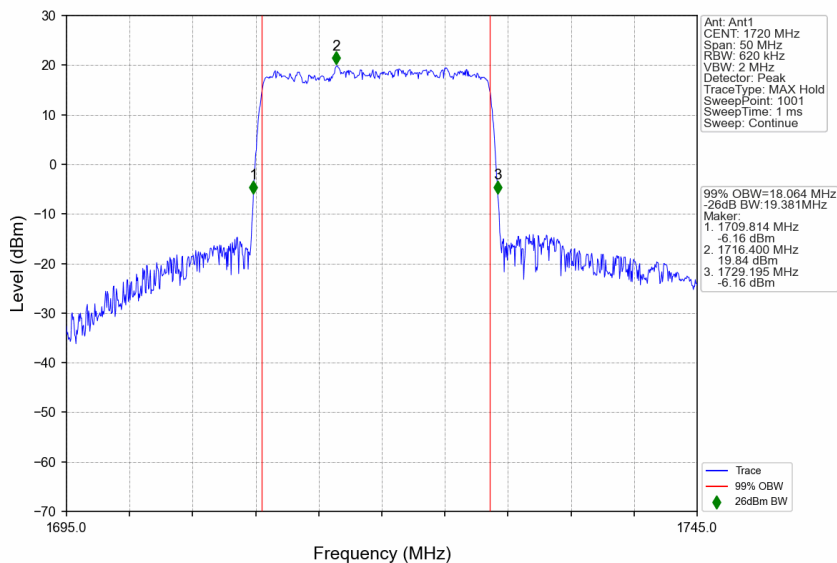
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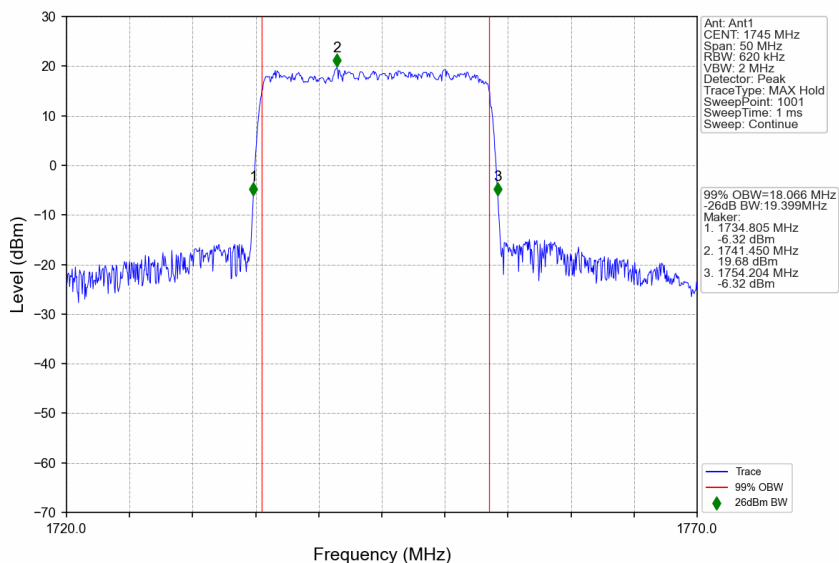
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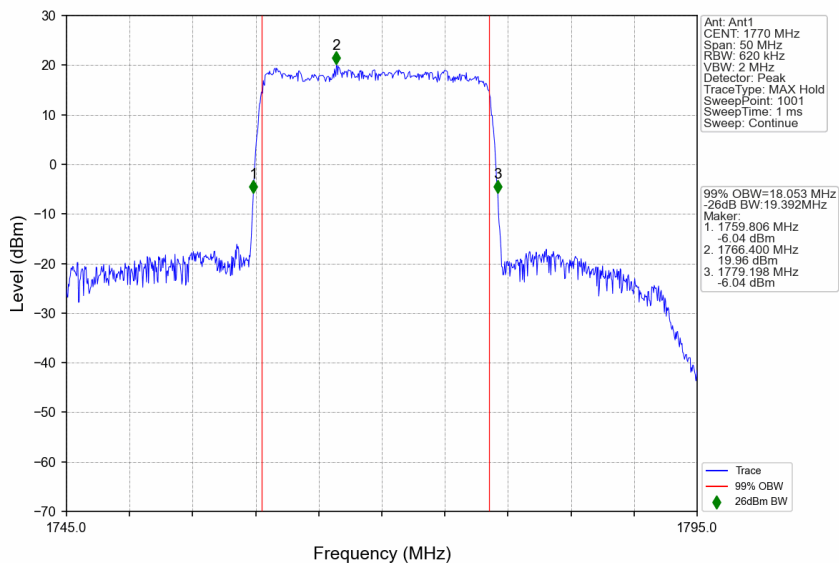
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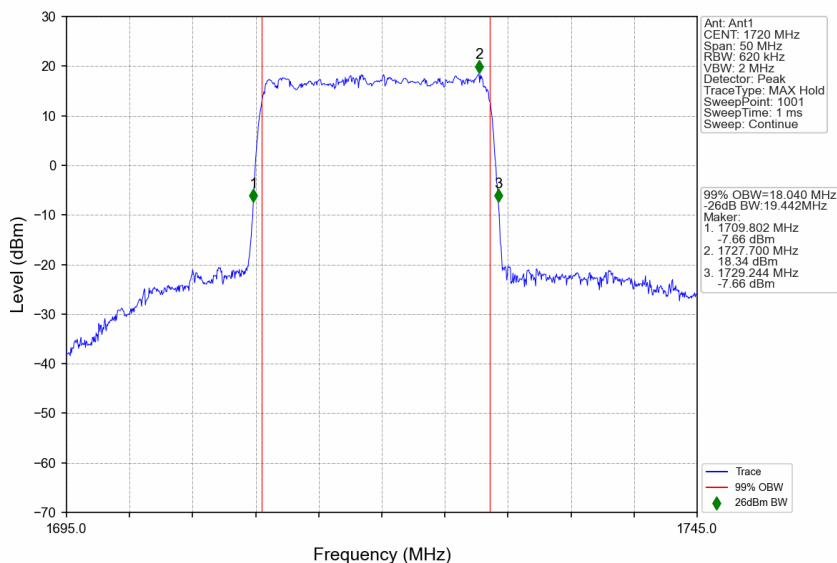
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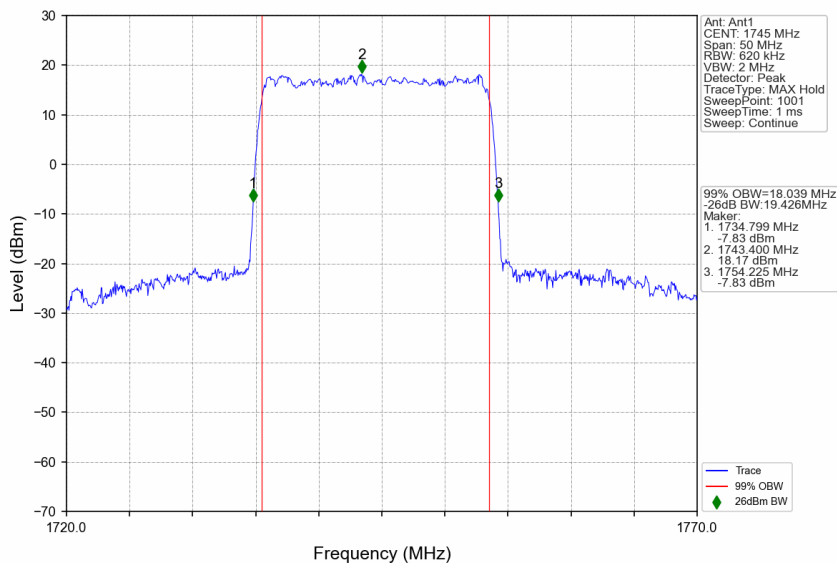
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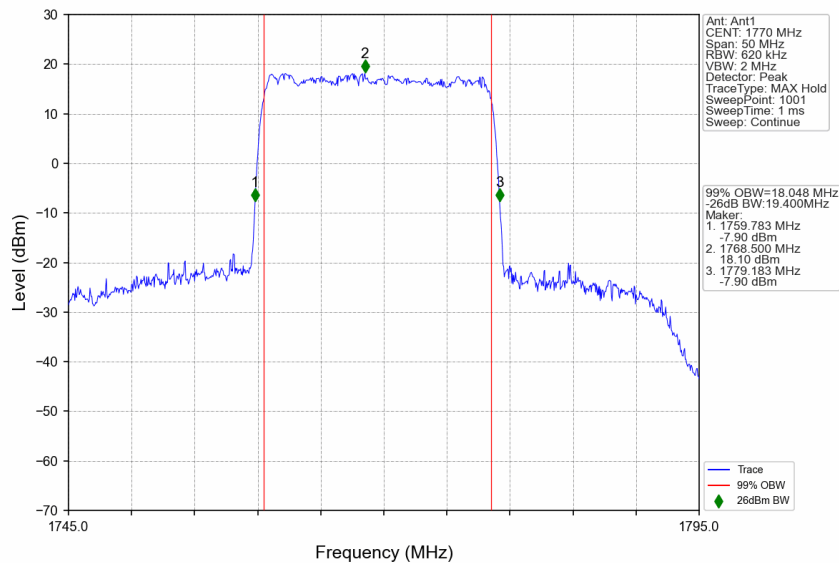


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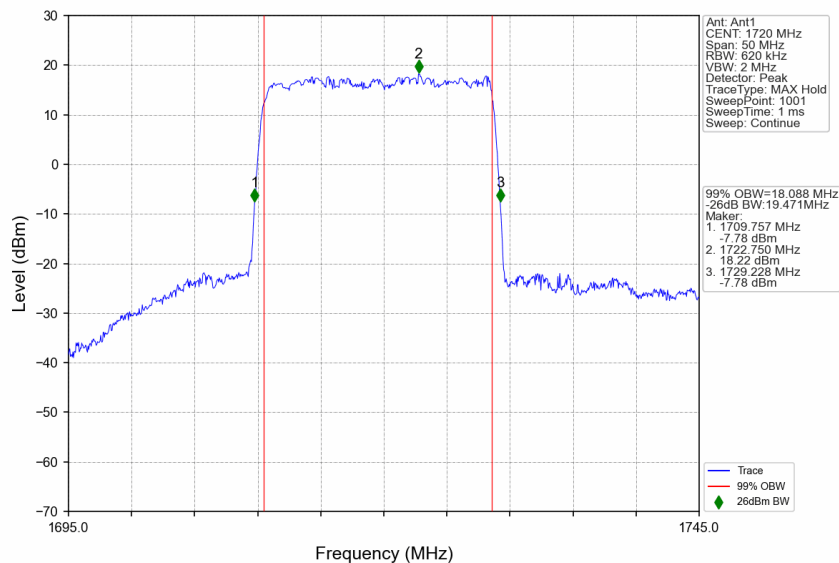
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n66_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 16 QAM_1770MHz_Outer_Full



n66_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 64 QAM_1720MHz_Outer_Full

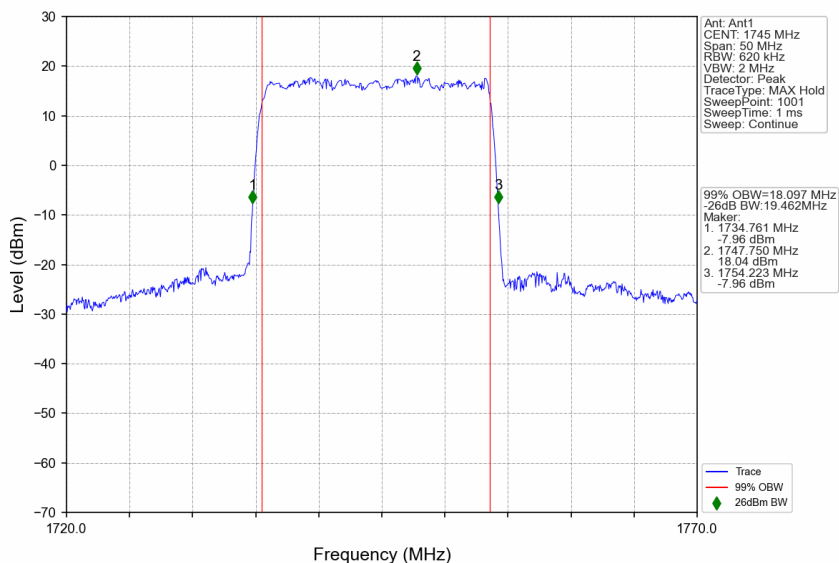


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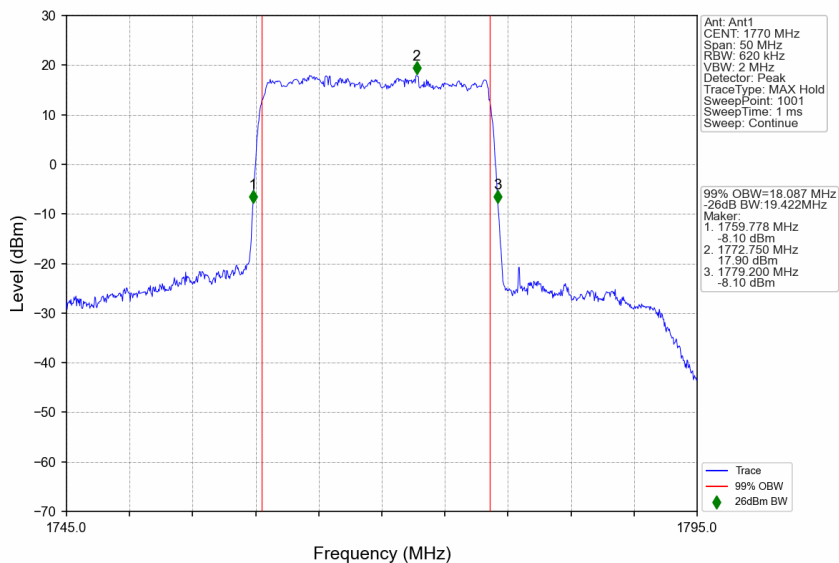
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n66_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 64 QAM_1745MHz_Outer_Full



n66_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 64 QAM_1770MHz_Outer_Full



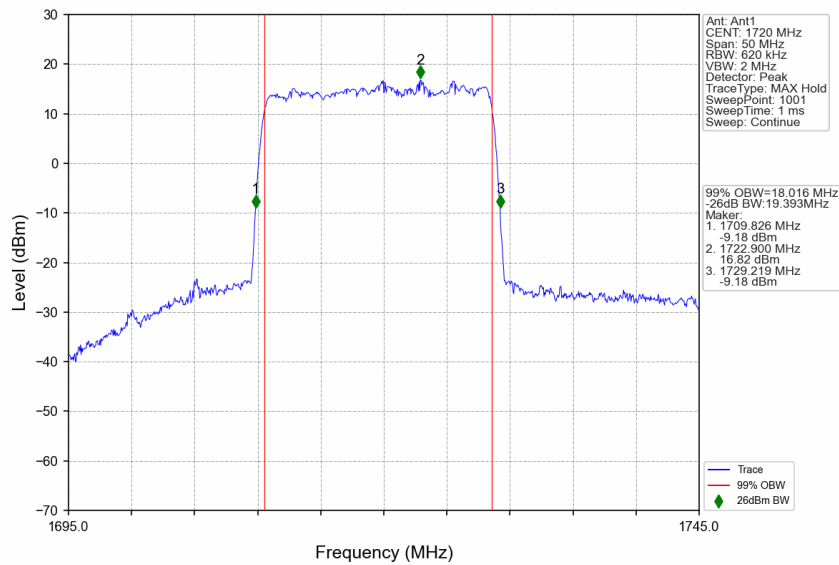
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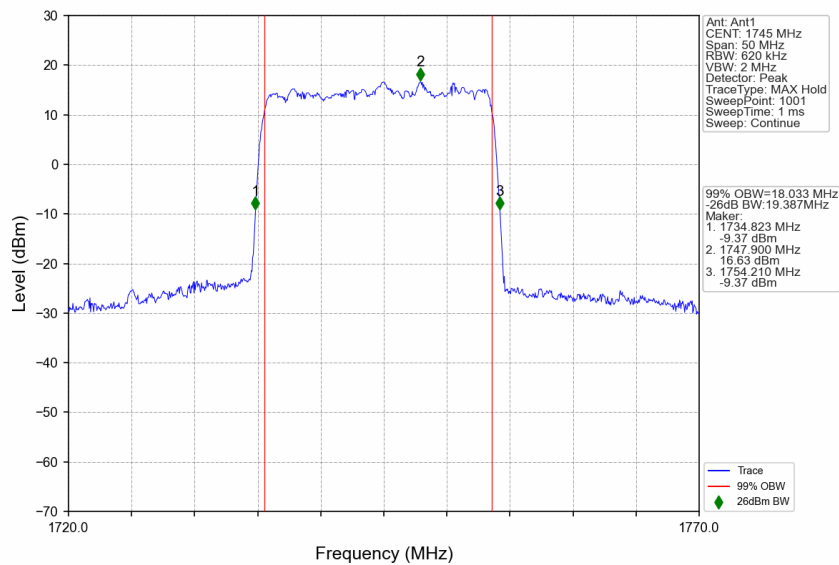
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n66_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 256 QAM_1720MHz_Outer_Full



n66_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 256 QAM_1745MHz_Outer_Full

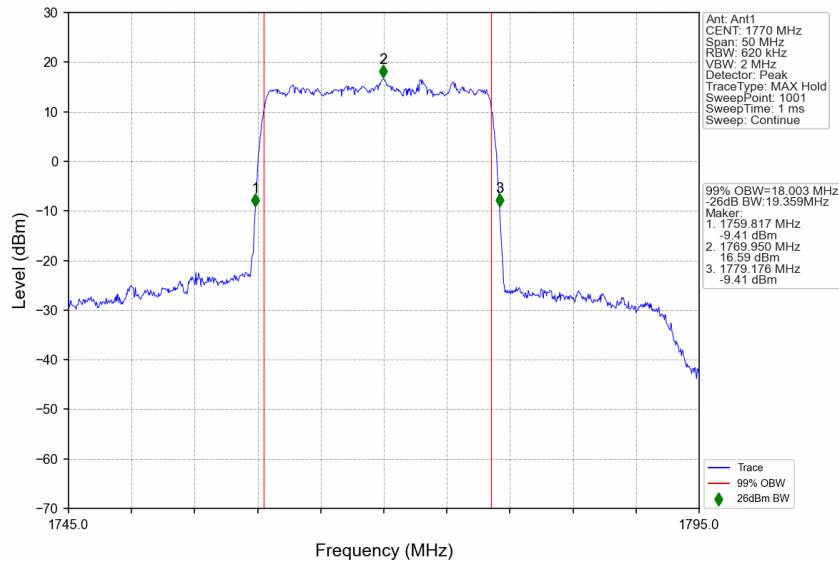


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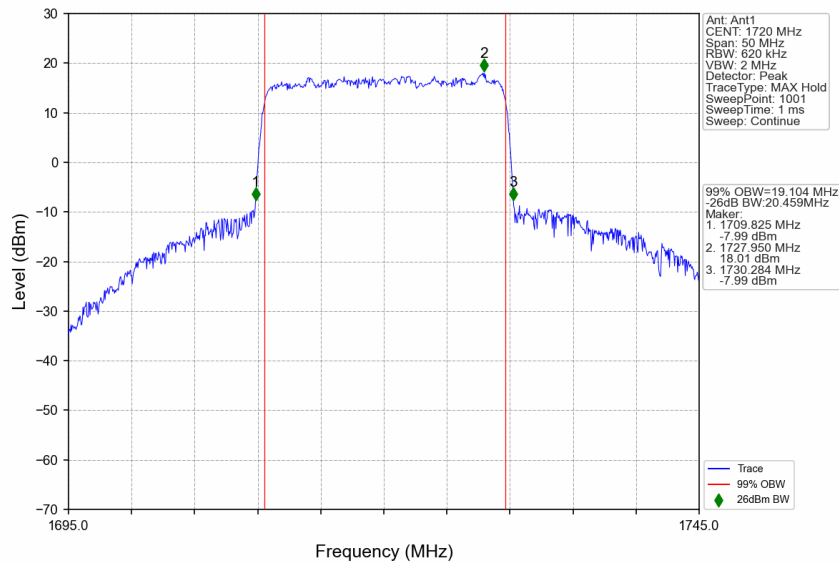
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n66_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 256 QAM_1770MHz_Outer_Full



n66_15kHz_SISO_NTNV_20MHz_CP-OFDM QPSK_1720MHz_Outer_Full

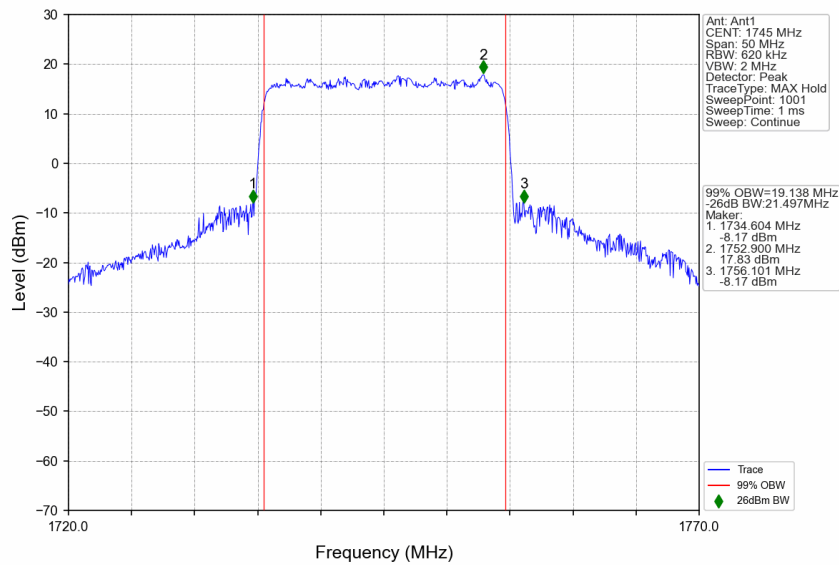


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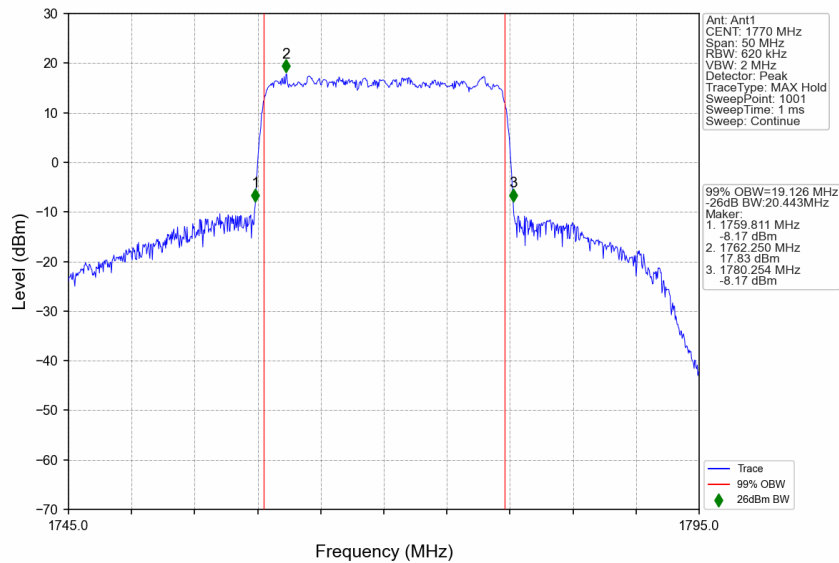
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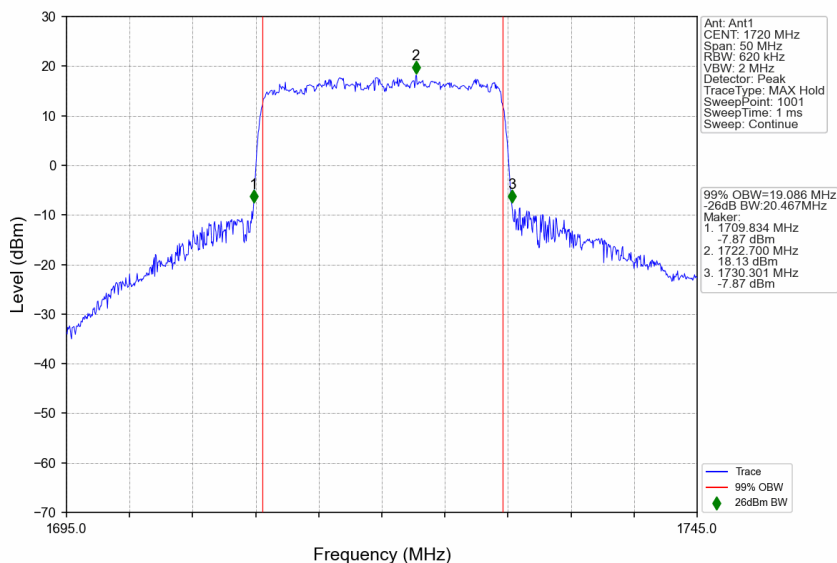


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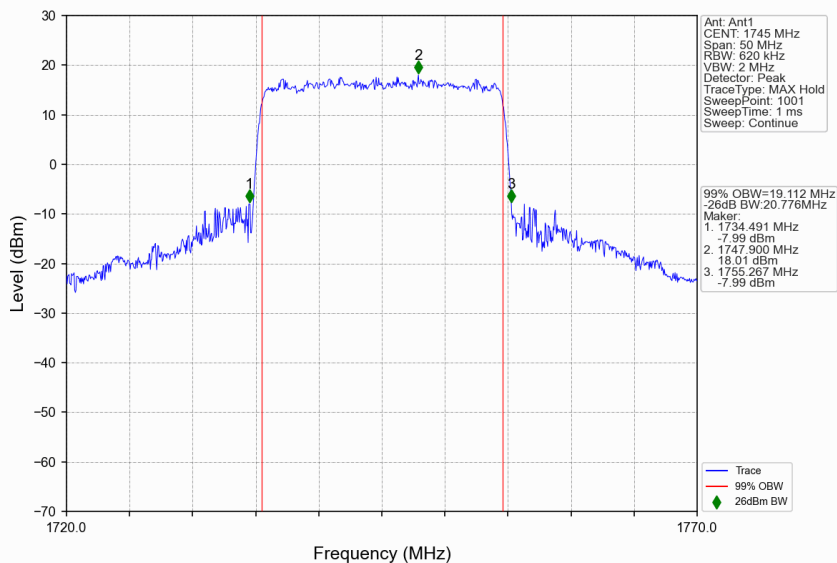
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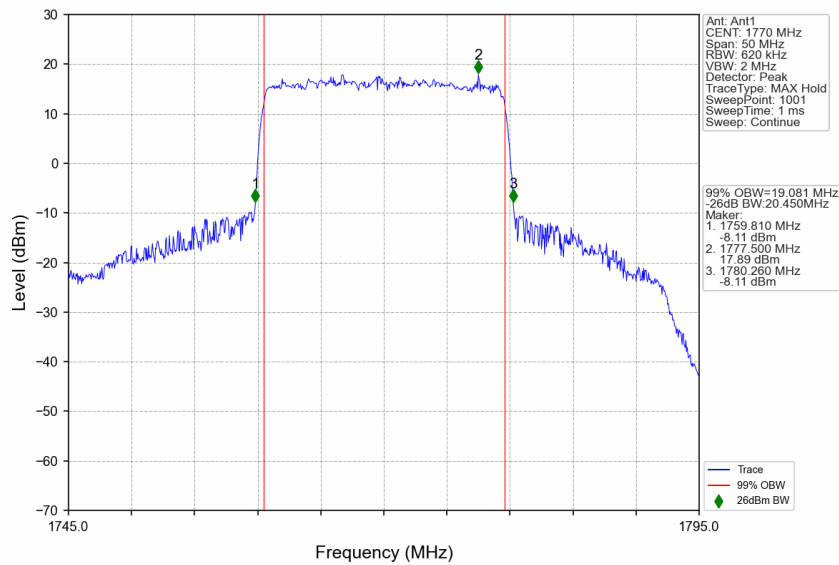


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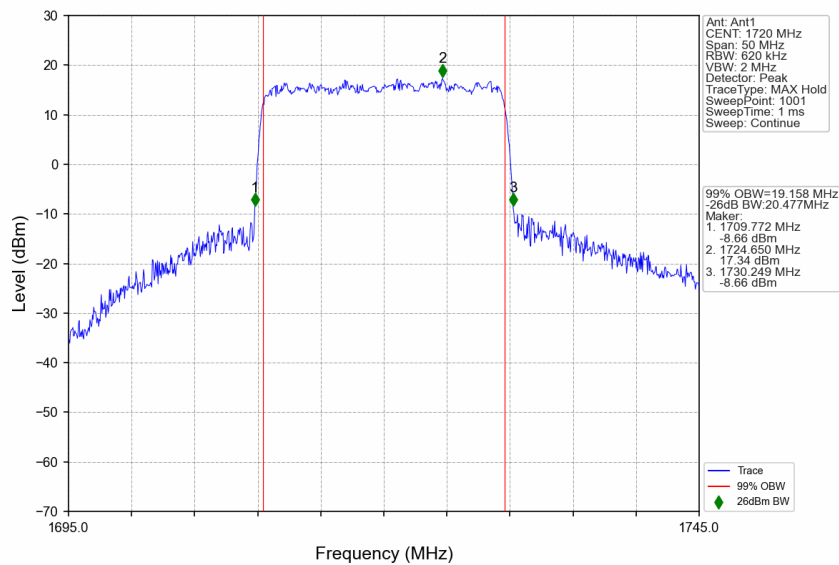
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n66_15kHz_SISO_NTNV_20MHz_CP-OFDM 16 QAM_1770MHz_Outer_Full



n66_15kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM_1720MHz_Outer_Full

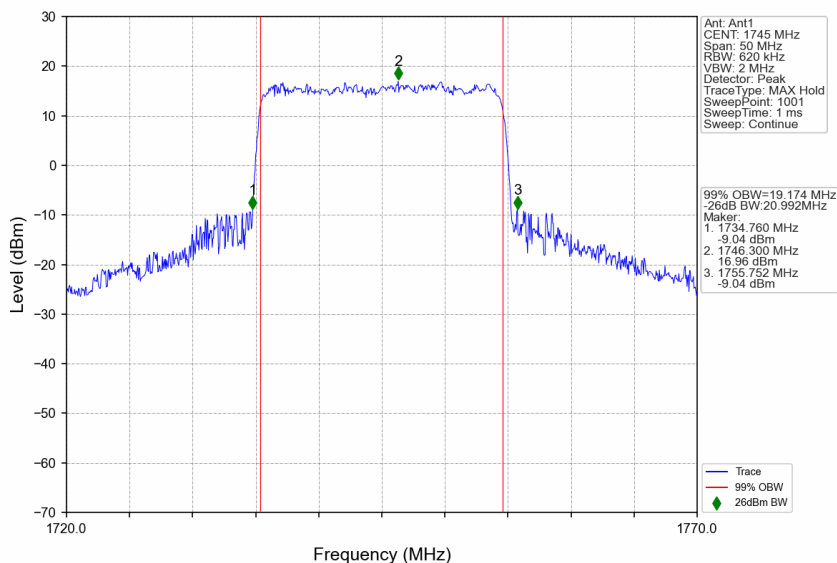


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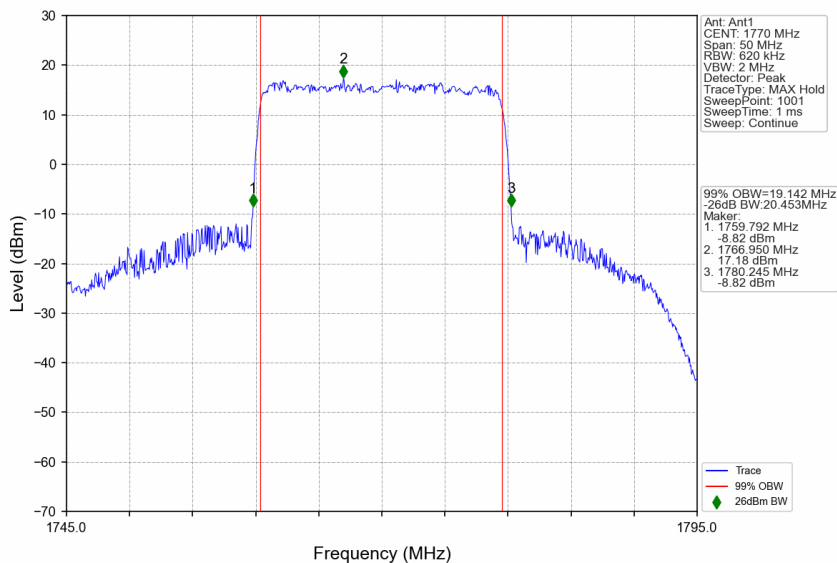
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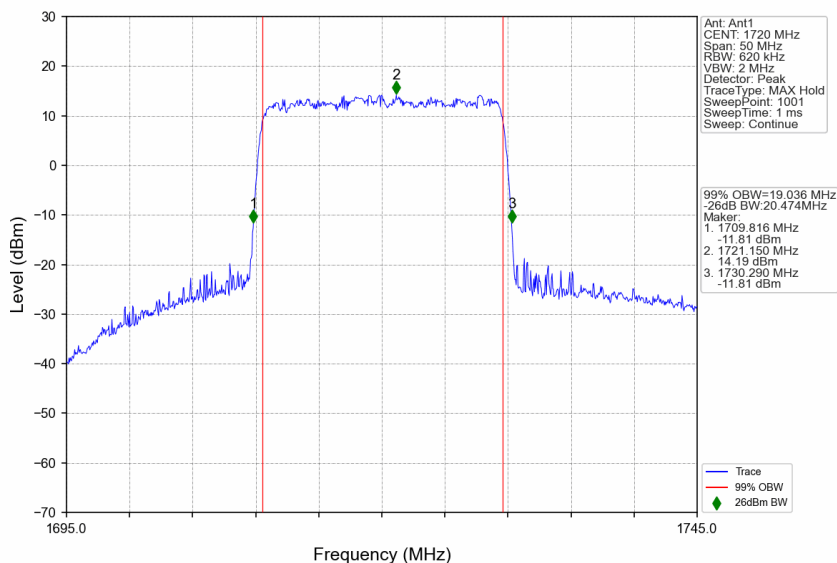


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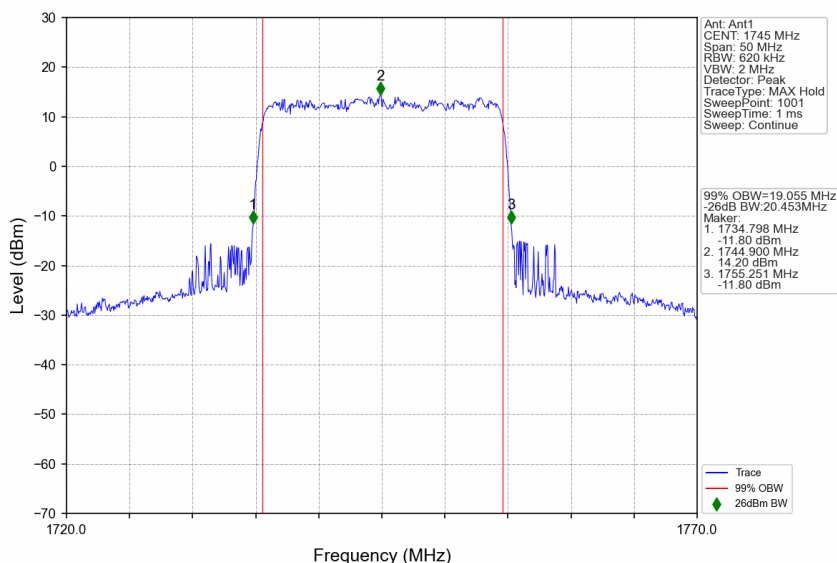
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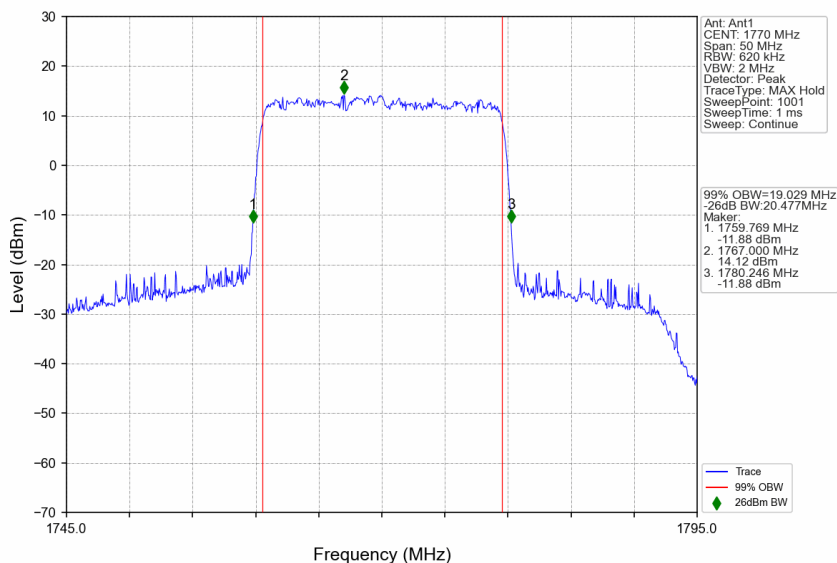


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4.5 15k_SISO_25MHz_NTNV

4.5.1 Test Result

5G NR n66 SCS=15kHz SISO 25MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	1722.5	Outer_Full	23.10	24.71	/	Pass
	1745	Outer_Full	23.11	24.72	/	Pass
	1767.5	Outer_Full	23.12	24.74	/	Pass
DFT-s-OFDM QPSK	1722.5	Outer_Full	23.05	24.70	/	Pass
	1745	Outer_Full	23.06	24.72	/	Pass
	1767.5	Outer_Full	23.06	24.72	/	Pass
DFT-s-OFDM 16 QAM	1722.5	Outer_Full	23.02	24.69	/	Pass
	1745	Outer_Full	23.03	24.66	/	Pass
	1767.5	Outer_Full	23.05	24.70	/	Pass
DFT-s-OFDM 64 QAM	1722.5	Outer_Full	23.07	24.74	/	Pass
	1745	Outer_Full	23.06	24.77	/	Pass
	1767.5	Outer_Full	23.09	24.75	/	Pass
DFT-s-OFDM 256 QAM	1722.5	Outer_Full	23.00	24.67	/	Pass
	1745	Outer_Full	23.00	24.67	/	Pass
	1767.5	Outer_Full	23.03	24.69	/	Pass
CP-OFDM QPSK	1722.5	Outer_Full	23.98	25.62	/	Pass
	1745	Outer_Full	24.00	25.65	/	Pass
	1767.5	Outer_Full	23.97	25.62	/	Pass
CP-OFDM 16 QAM	1722.5	Outer_Full	23.97	26.73	/	Pass
	1745	Outer_Full	23.97	25.61	/	Pass
	1767.5	Outer_Full	23.96	26.50	/	Pass
CP-OFDM 64 QAM	1722.5	Outer_Full	24.02	25.61	/	Pass
	1745	Outer_Full	23.99	25.66	/	Pass
	1767.5	Outer_Full	23.99	25.66	/	Pass
CP-OFDM 256 QAM	1722.5	Outer_Full	23.85	25.61	/	Pass
	1745	Outer_Full	23.89	25.60	/	Pass
	1767.5	Outer_Full	23.88	25.60	/	Pass

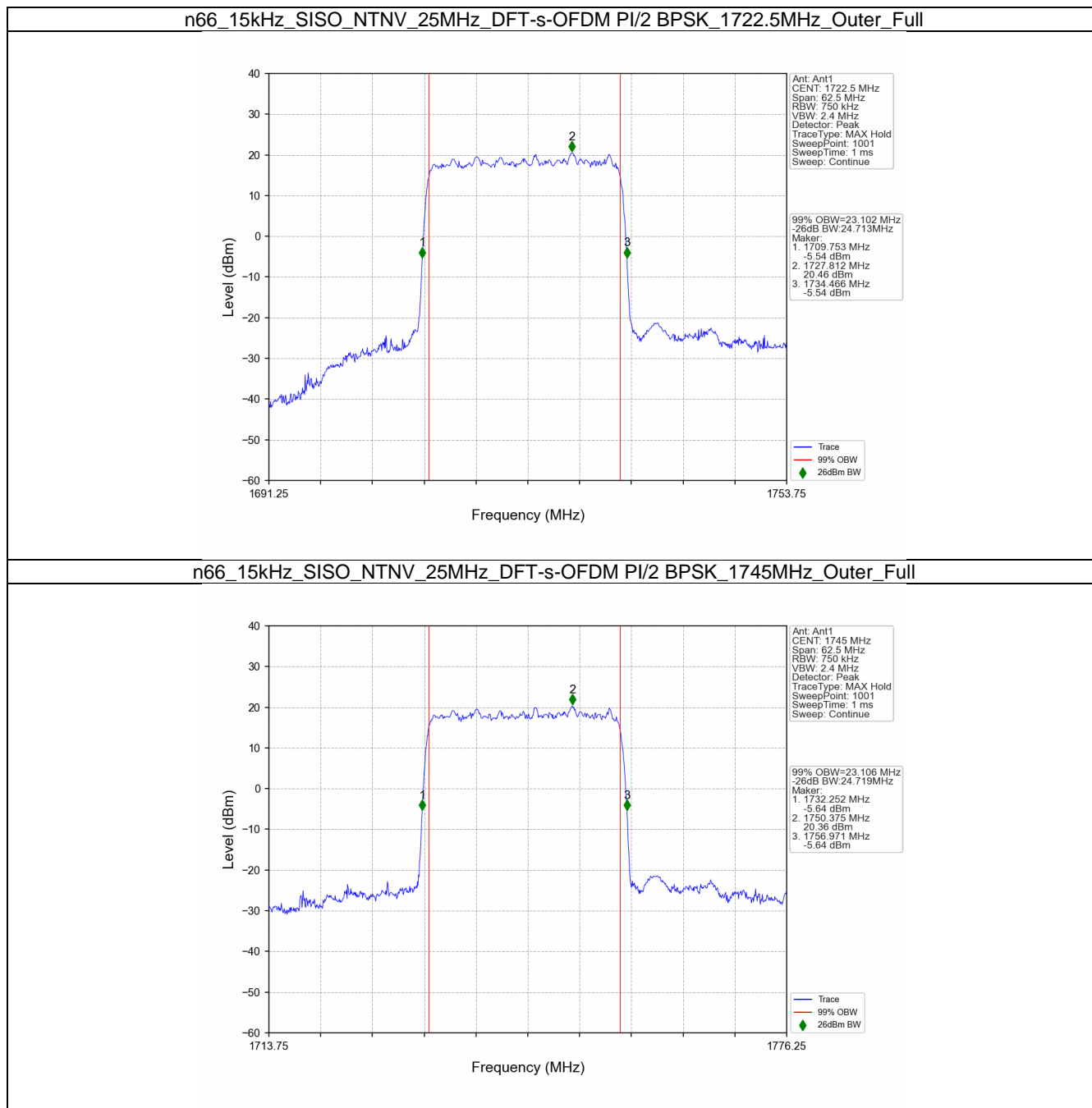


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4.5.2 Test Graph



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