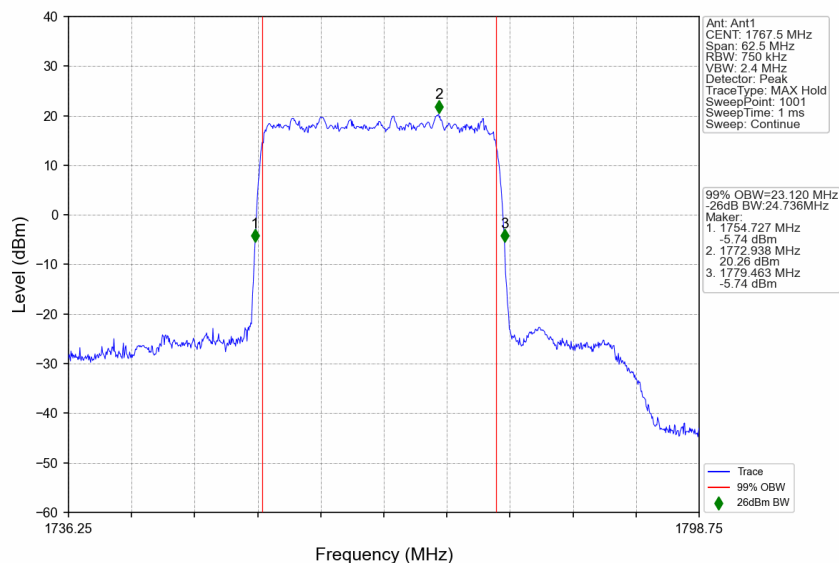


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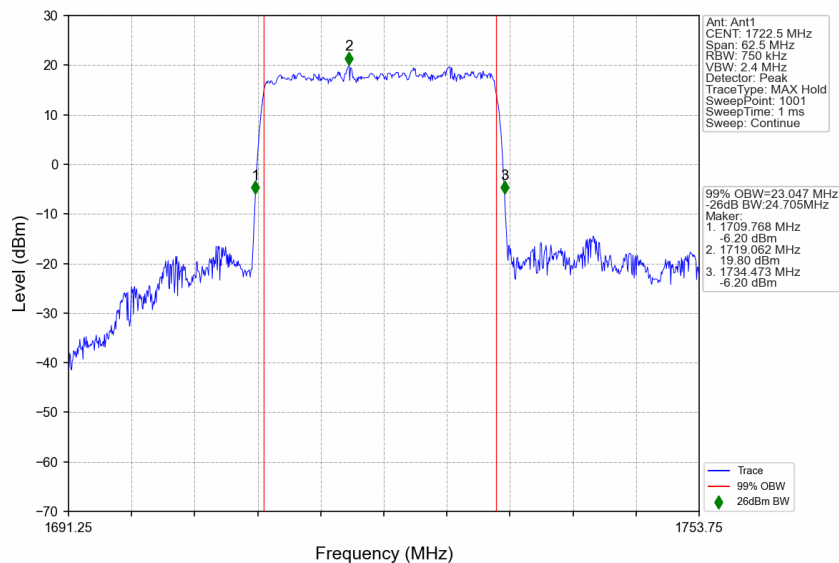
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n66_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM PI/2 BPSK_1767.5MHz_Outer_Full



n66_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM QPSK_1722.5MHz_Outer_Full



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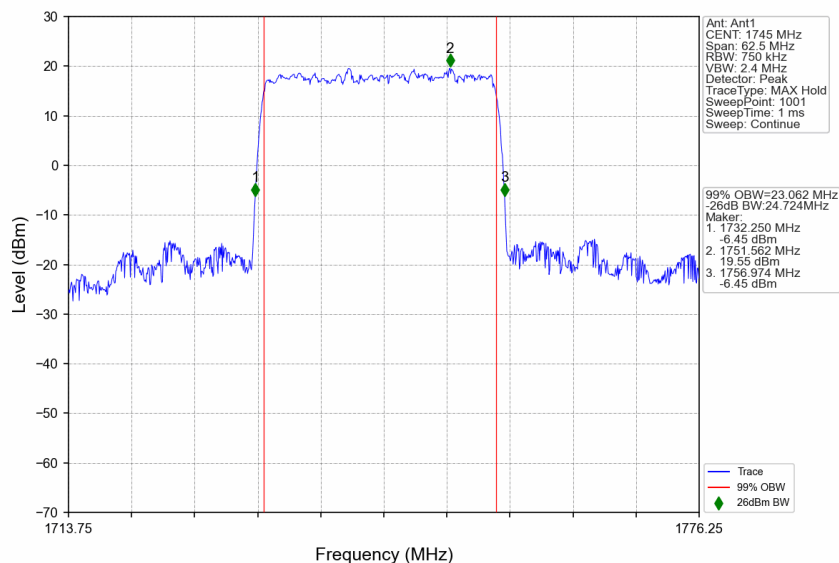
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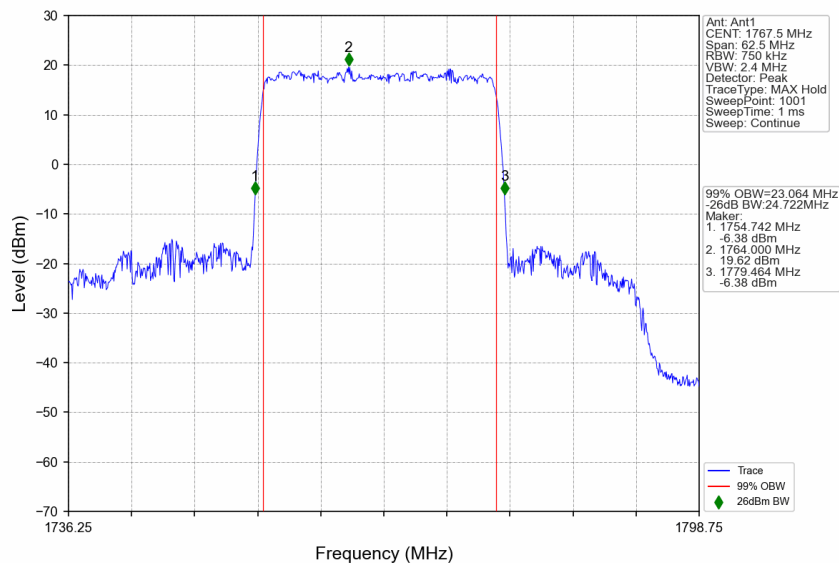
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n66_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM QPSK_1745MHz_Outer_Full



n66_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM QPSK_1767.5MHz_Outer_Full



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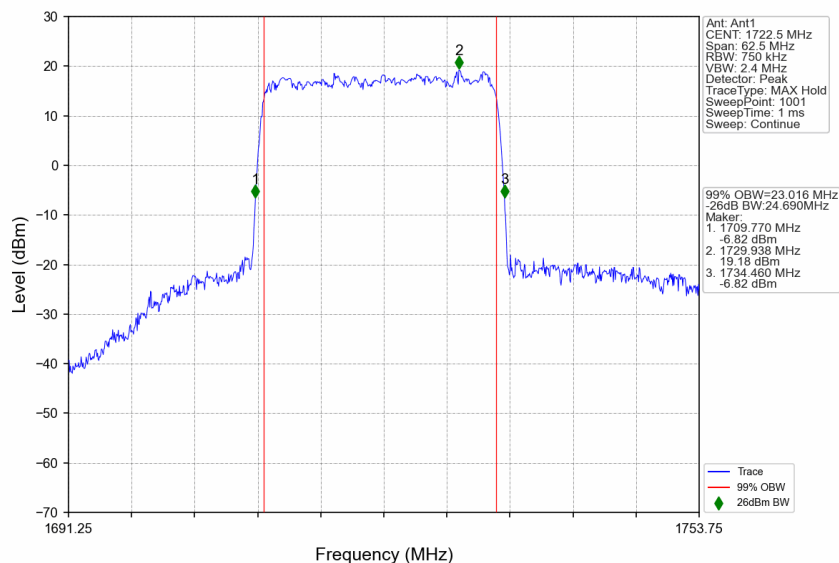
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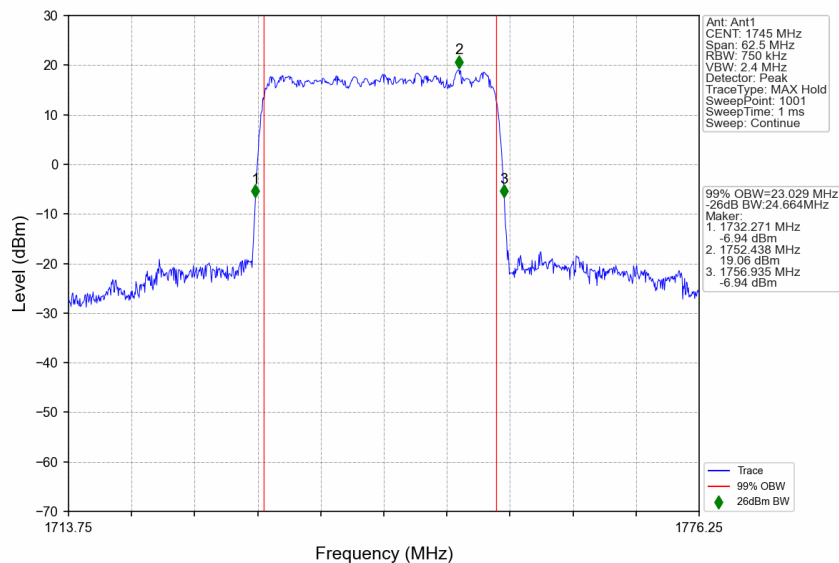
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n66_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM_16_QAM_1722.5MHz_Outer_Full



n66_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM_16_QAM_1745MHz_Outer_Full



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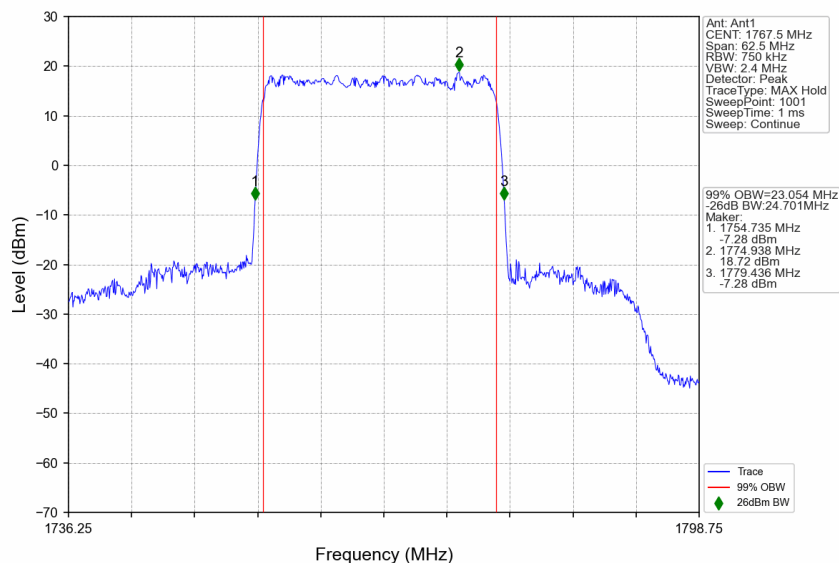
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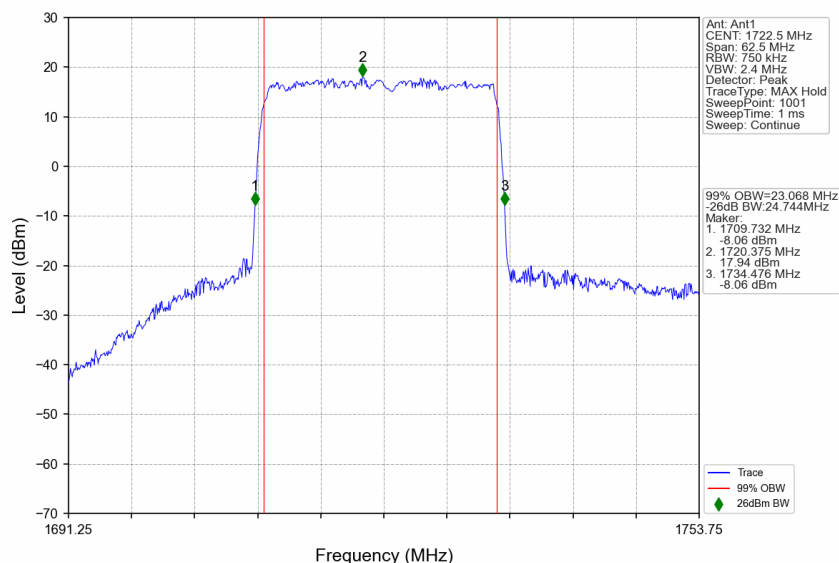
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n66_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM_16_QAM_1767.5MHz_Outer_Full



n66_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM_64_QAM_1722.5MHz_Outer_Full



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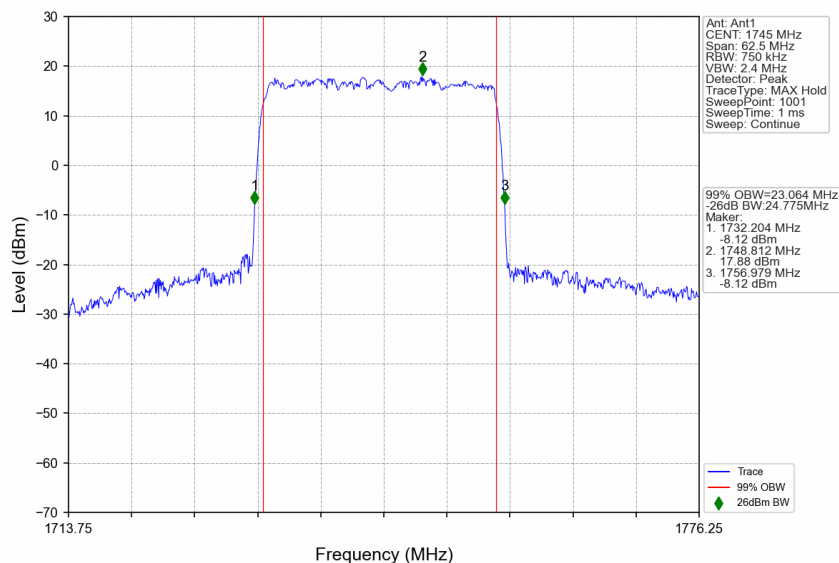
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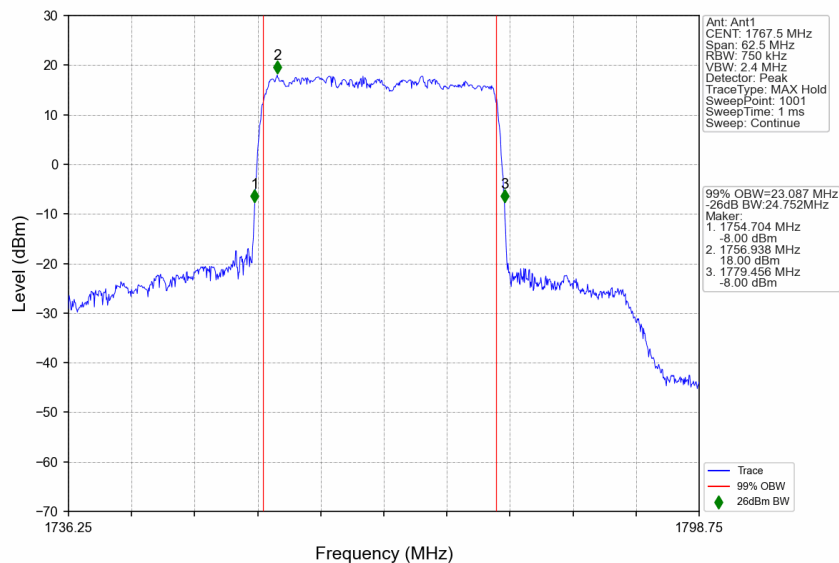
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n66_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM_64_QAM_1745MHz_Outer_Full



n66_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM_64_QAM_1767.5MHz_Outer_Full



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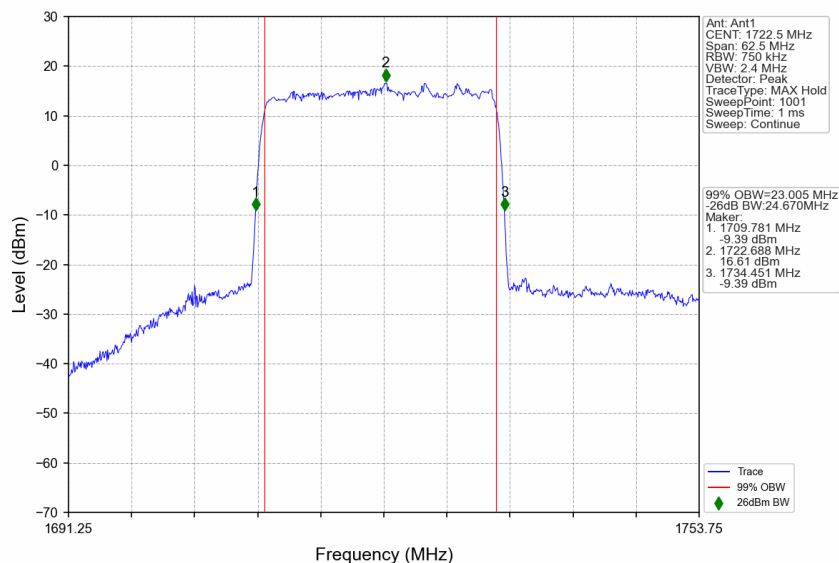
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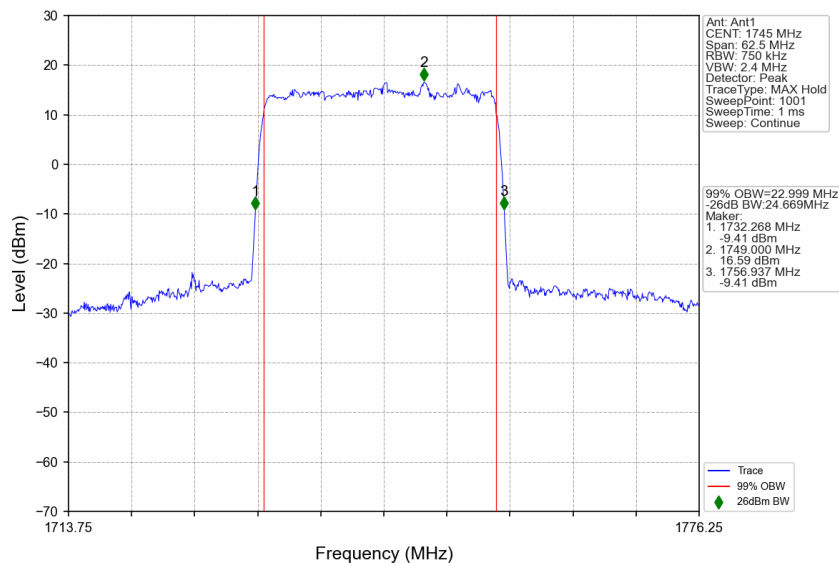
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n66_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM_256_QAM_1722.5MHz_Outer_Full



n66_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM_256_QAM_1745MHz_Outer_Full



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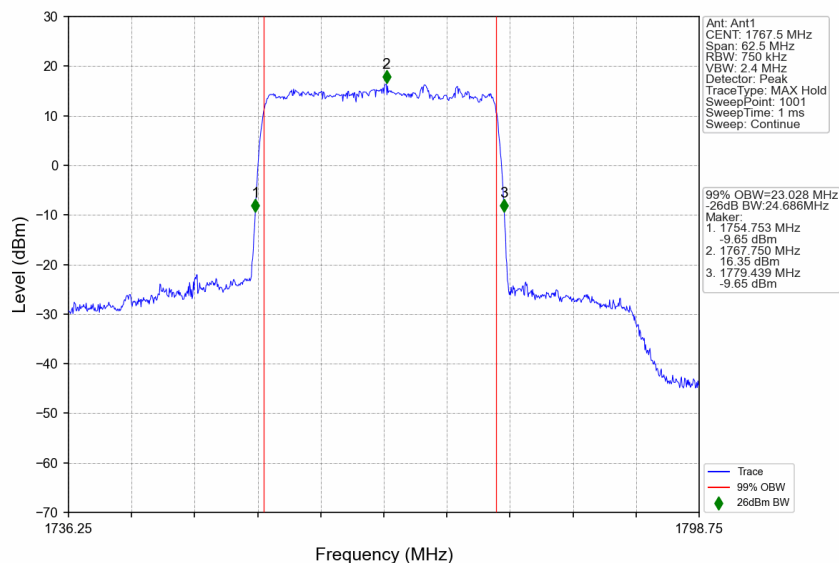
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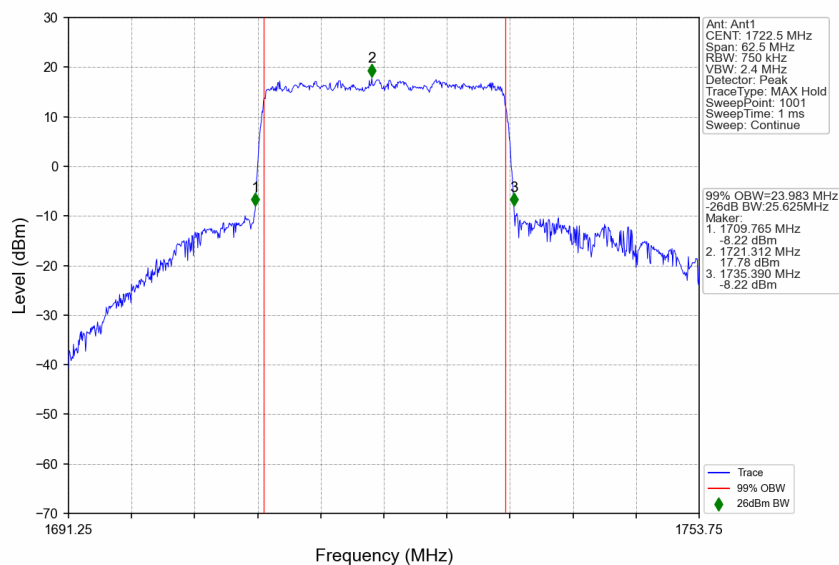
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n66_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM_256_QAM_1767.5MHz_Outer_Full



n66_15kHz_SISO_NTNV_25MHz_CP-OFDM_QPSK_1722.5MHz_Outer_Full



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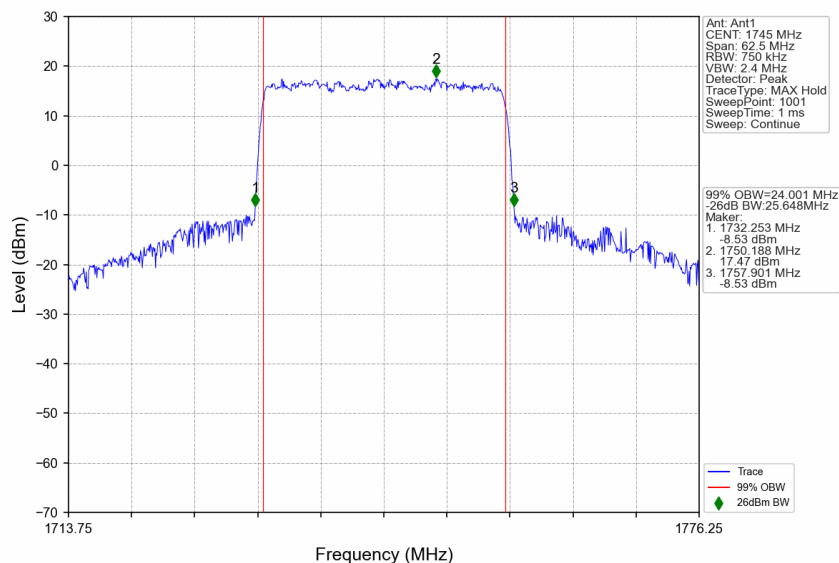
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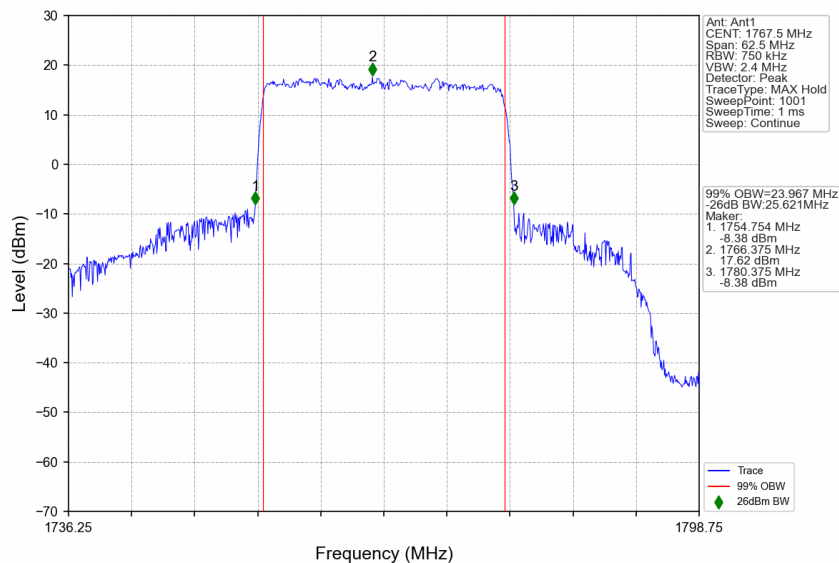
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n66_15kHz_SISO_NTNV_25MHz_CP-OFDM QPSK_1745MHz_Outer_Full



n66_15kHz_SISO_NTNV_25MHz_CP-OFDM QPSK_1767.5MHz_Outer_Full



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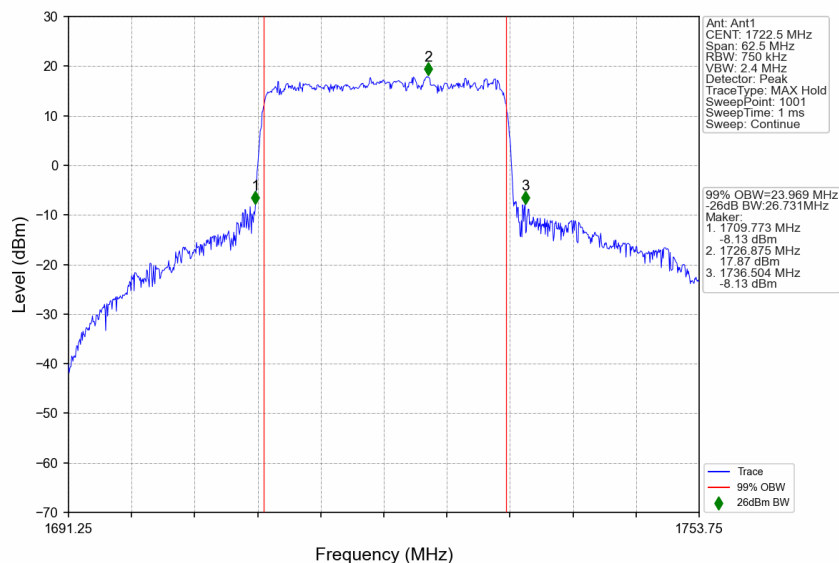
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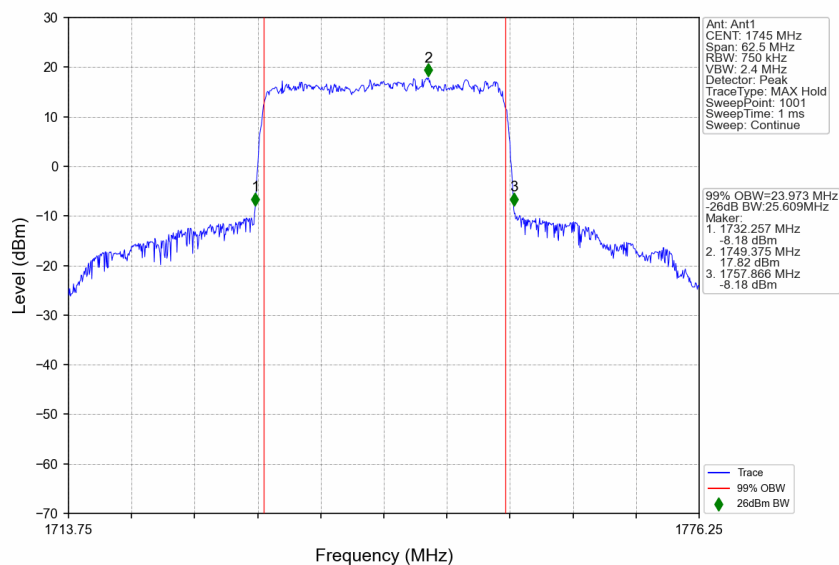
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n66_15kHz_SISO_NTNV_25MHz_CP-OFDM_16_QAM_1722.5MHz_Outer_Full



n66_15kHz_SISO_NTNV_25MHz_CP-OFDM_16_QAM_1745MHz_Outer_Full



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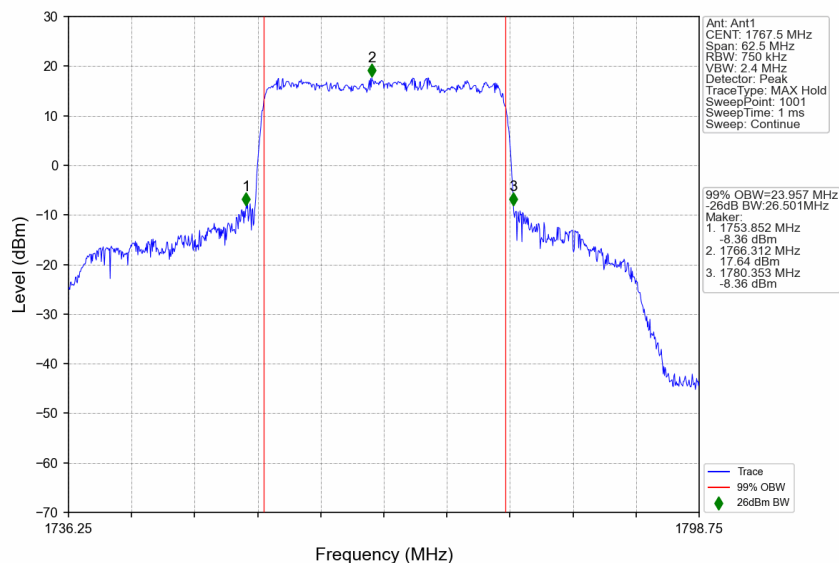
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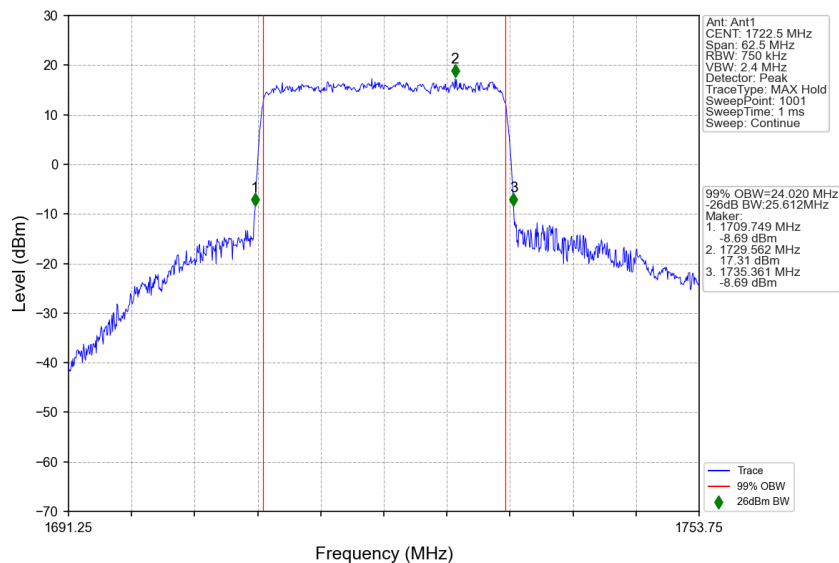
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n66_15kHz_SISO_NTNV_25MHz_CP-OFDM 16 QAM_1767.5MHz_Outer_Full



n66_15kHz_SISO_NTNV_25MHz_CP-OFDM 64 QAM_1722.5MHz_Outer_Full



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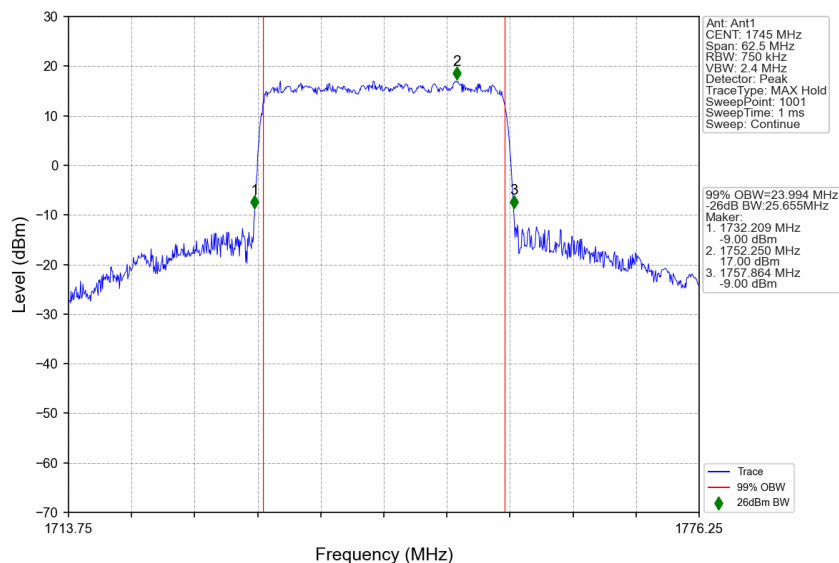
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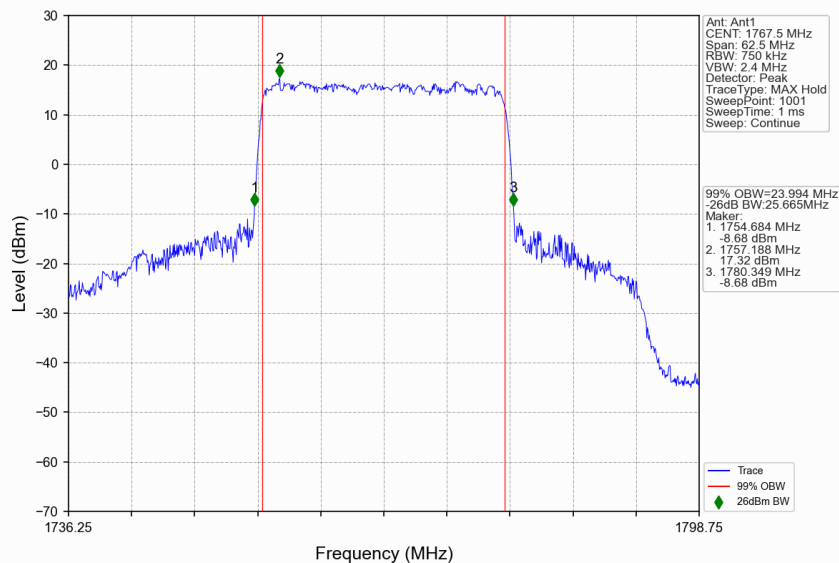
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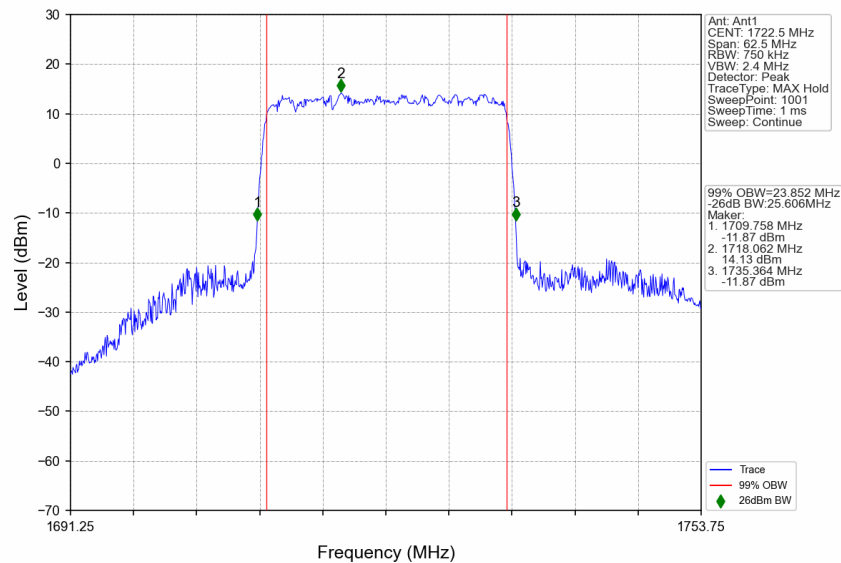
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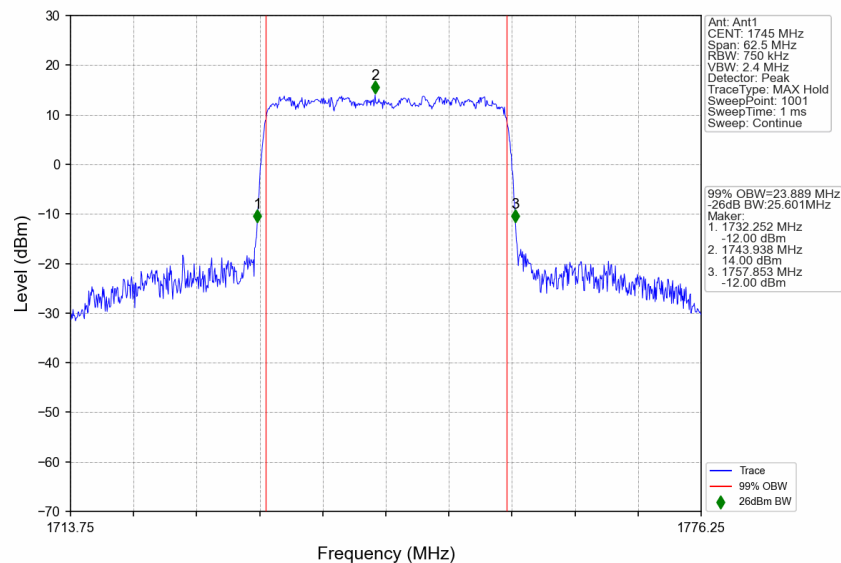
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n66_15kHz_SISO_NTNV_25MHz_CP-OFDM_256_QAM_1722.5MHz_Outer_Full



n66_15kHz_SISO_NTNV_25MHz_CP-OFDM_256_QAM_1745MHz_Outer_Full



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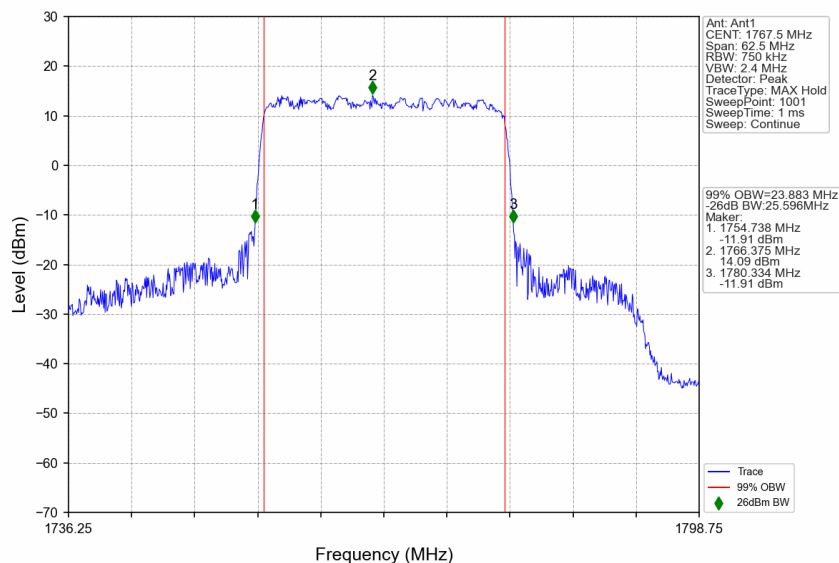
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n66_15kHz_SISO_NTNV_25MHz_CP-OFDM_256_QAM_1767.5MHz_Outer_Full



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4.6 15k_SISO_30MHz_NTNV

4.6.1 Test Result

5G NR n66 SCS=15kHz SISO 30MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	1725	Outer Full	28.85	30.85	/	Pass
	1745	Outer Full	28.84	30.89	/	Pass
	1765	Outer Full	28.84	30.82	/	Pass
DFT-s-OFDM QPSK	1725	Outer Full	28.80	30.86	/	Pass
	1745	Outer Full	28.84	30.82	/	Pass
	1765	Outer Full	28.81	30.80	/	Pass
DFT-s-OFDM 16 QAM	1725	Outer Full	28.76	30.82	/	Pass
	1745	Outer Full	28.78	30.85	/	Pass
	1765	Outer Full	28.75	30.86	/	Pass
DFT-s-OFDM 64 QAM	1725	Outer Full	28.81	30.86	/	Pass
	1745	Outer Full	28.83	30.86	/	Pass
	1765	Outer Full	28.89	30.87	/	Pass
DFT-s-OFDM 256 QAM	1725	Outer Full	28.71	30.75	/	Pass
	1745	Outer Full	28.73	30.83	/	Pass
	1765	Outer Full	28.73	30.84	/	Pass
CP-OFDM QPSK	1725	Outer Full	28.86	30.89	/	Pass
	1745	Outer Full	28.91	30.83	/	Pass
	1765	Outer Full	28.89	30.86	/	Pass
CP-OFDM 16 QAM	1725	Outer Full	28.73	30.81	/	Pass
	1745	Outer Full	28.75	30.78	/	Pass
	1765	Outer Full	28.75	30.82	/	Pass
CP-OFDM 64 QAM	1725	Outer Full	28.77	30.82	/	Pass
	1745	Outer Full	28.79	30.84	/	Pass
	1765	Outer Full	28.78	30.82	/	Pass
CP-OFDM 256 QAM	1725	Outer Full	28.74	30.78	/	Pass
	1745	Outer Full	28.74	30.79	/	Pass
	1765	Outer Full	28.74	30.78	/	Pass



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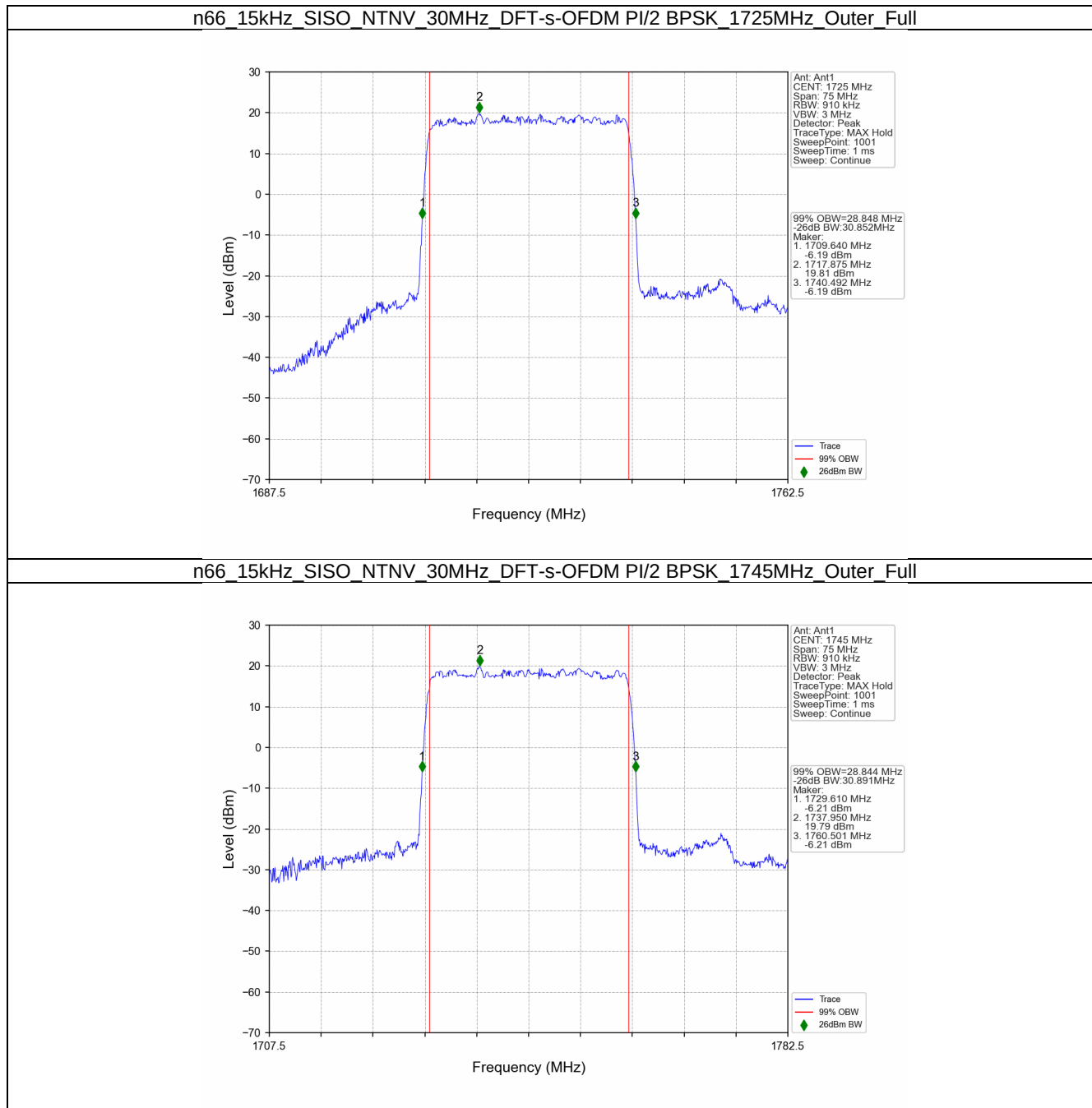
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4.6.2 Test Graph



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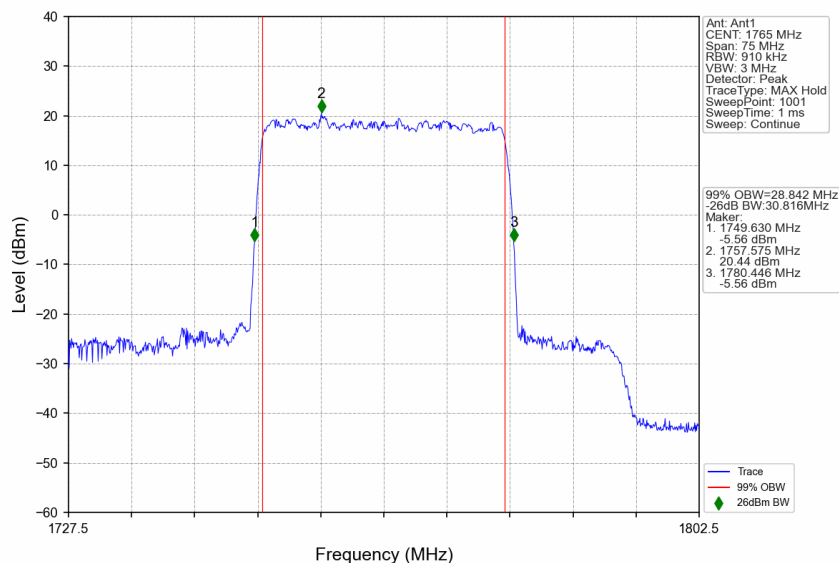
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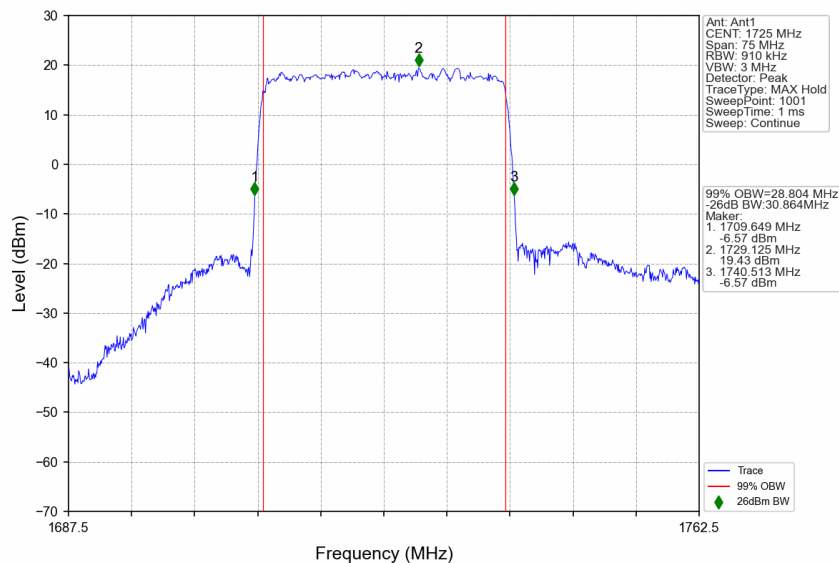
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n66_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_1765MHz_Outer_Full



n66_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_1725MHz_Outer_Full



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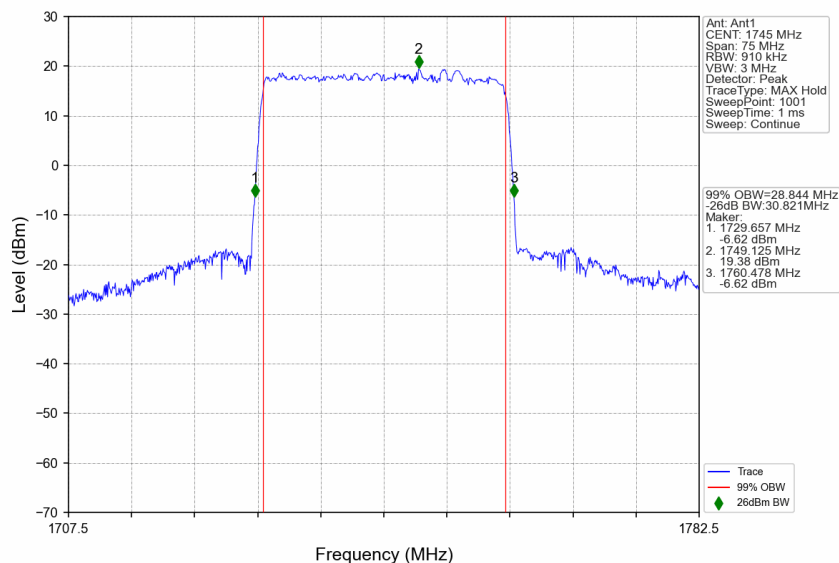
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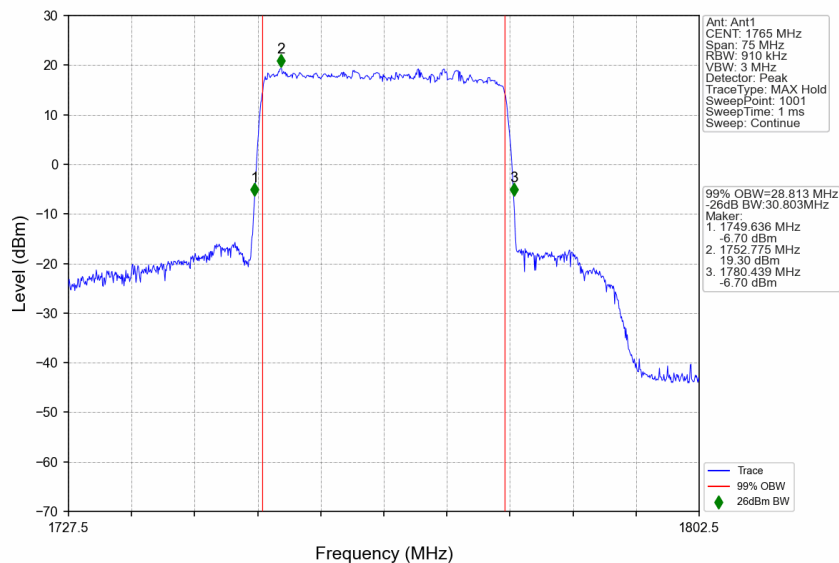
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n66_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_1745MHz_Outer_Full



n66_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM_QPSK_1765MHz_Outer_Full



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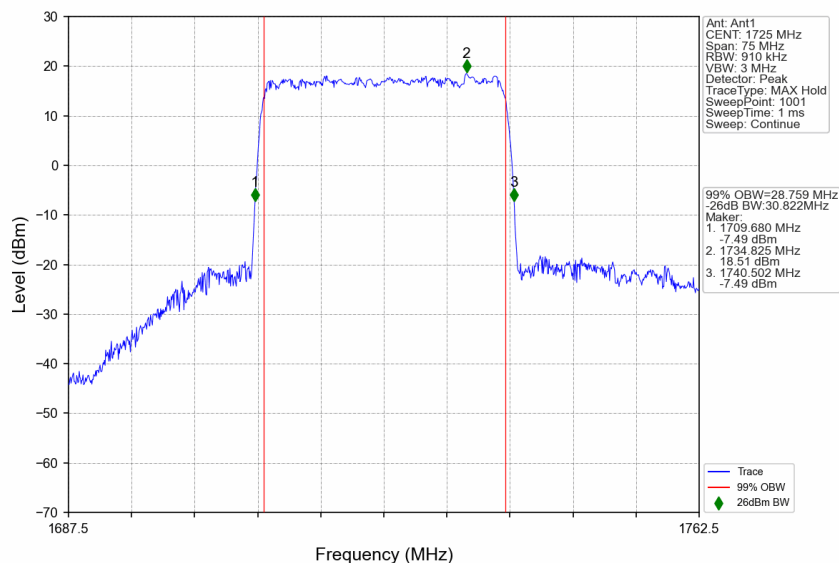
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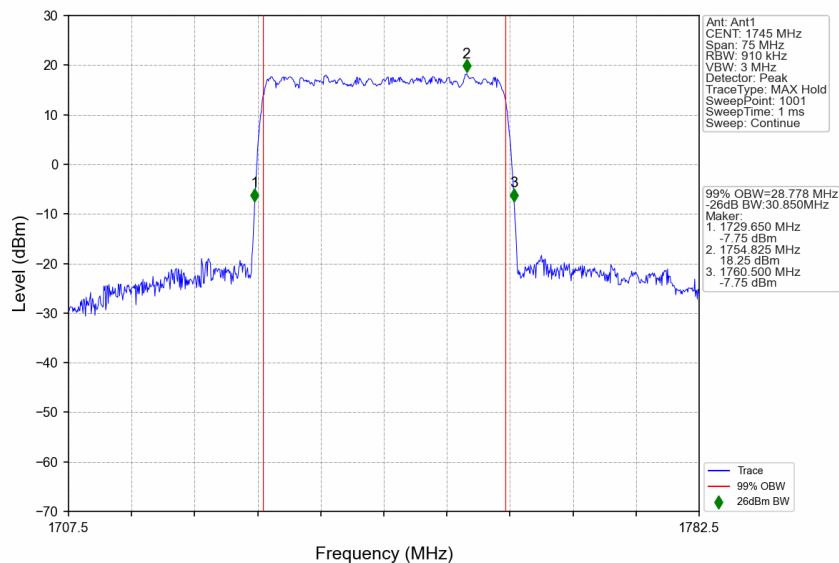
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n66_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM_16_QAM_1725MHz_Outer_Full



n66_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM_16_QAM_1745MHz_Outer_Full



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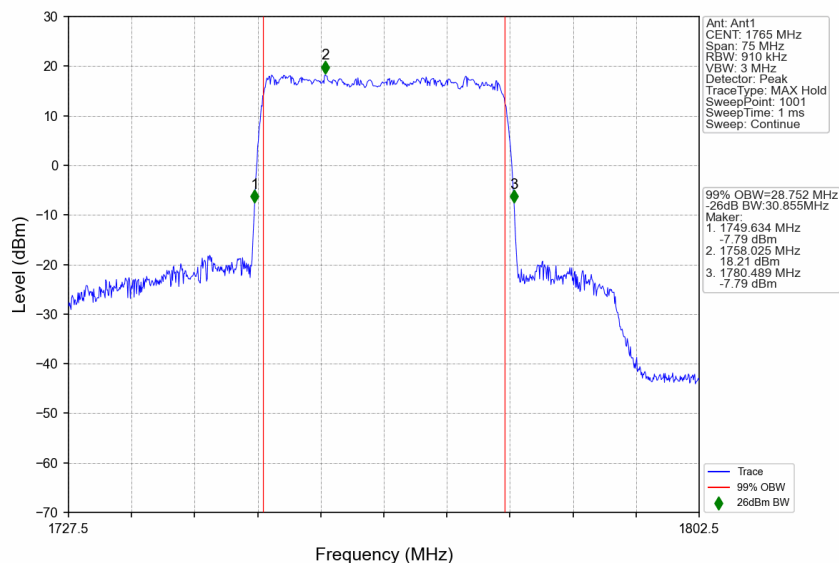
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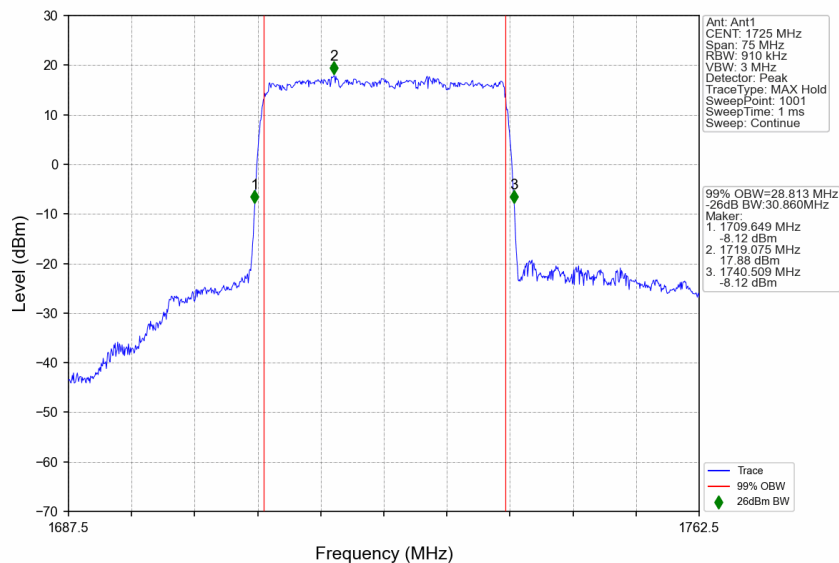
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n66_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM_64_QAM_1725MHz_Outer_Full



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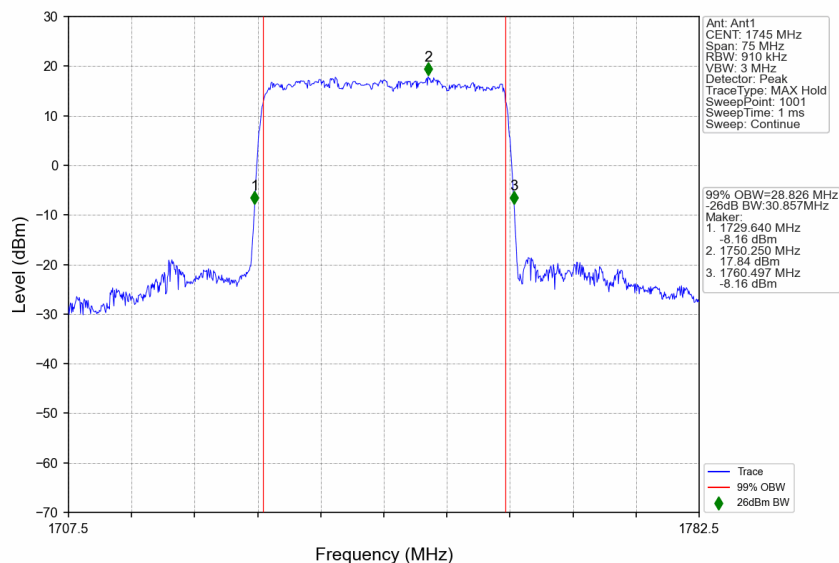
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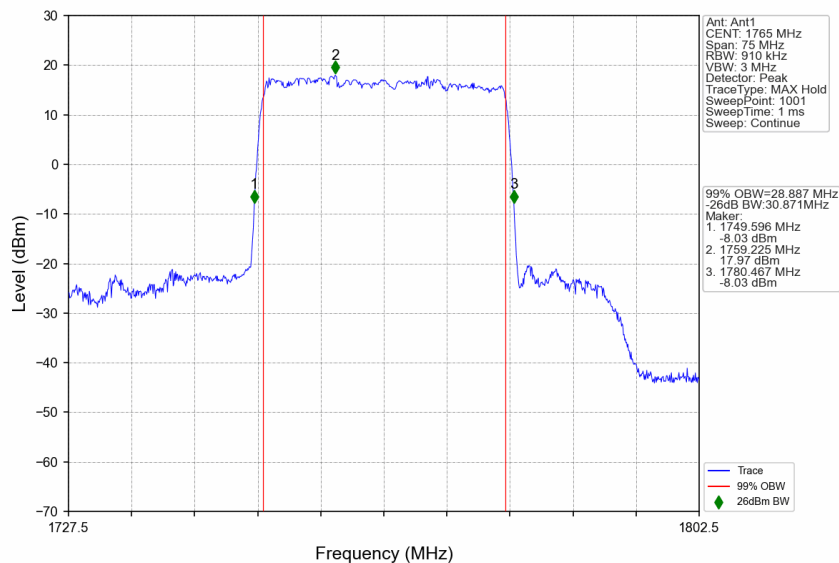
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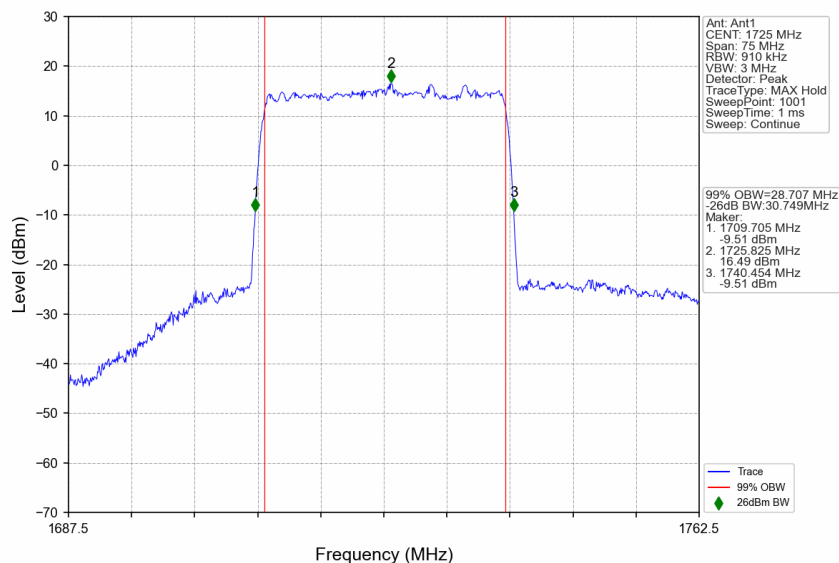
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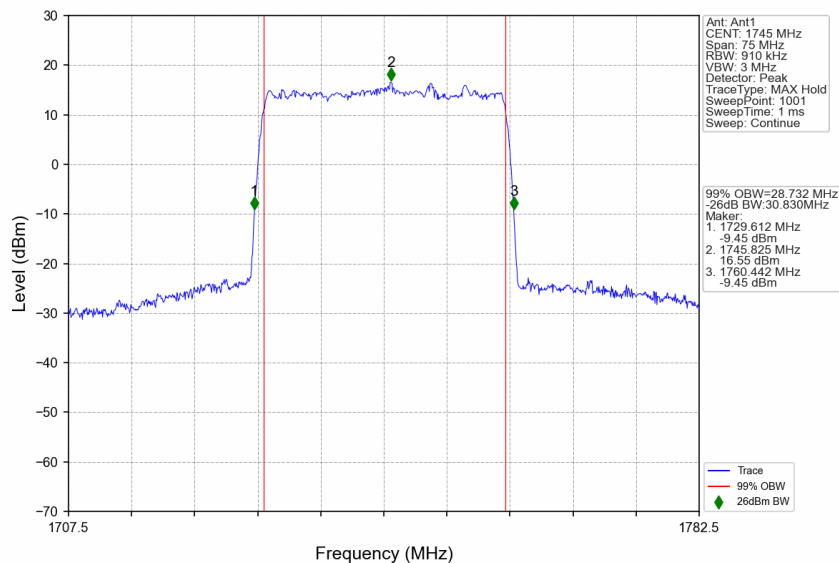
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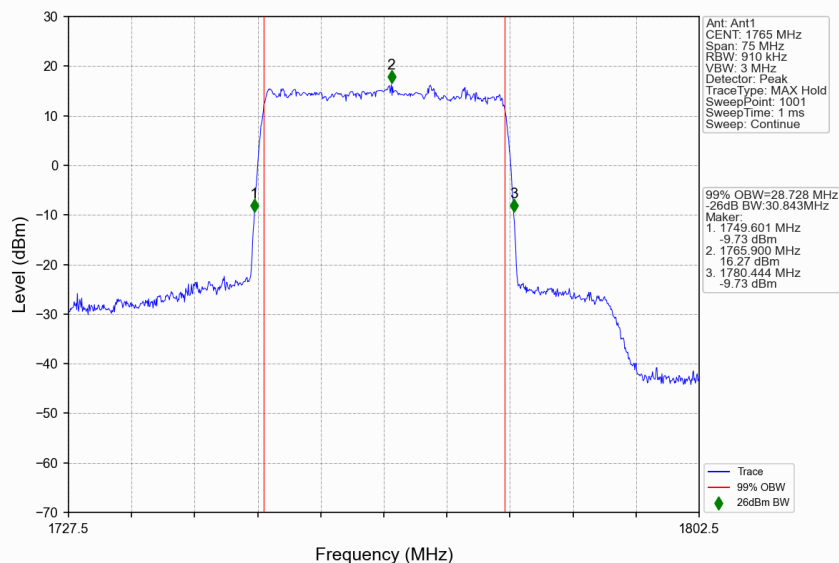
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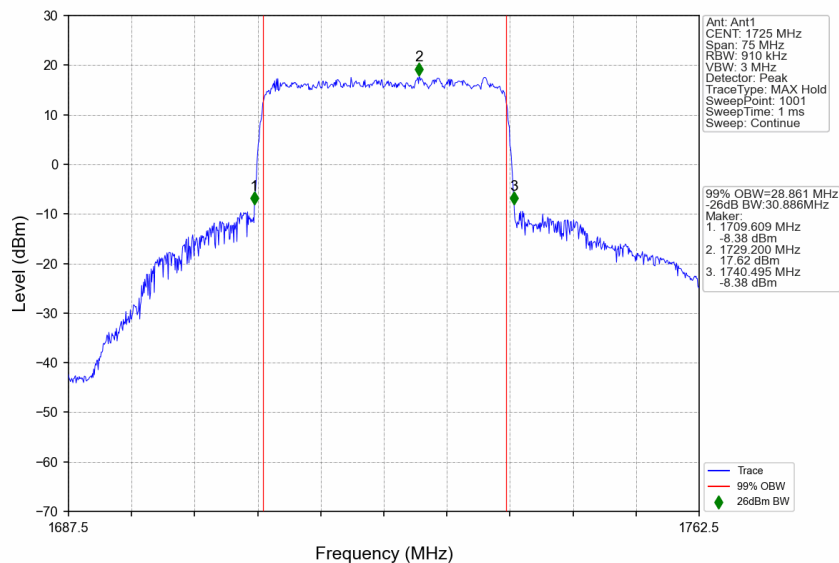
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n66_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM_256_QAM_1765MHz_Outer_Full



n66_15kHz_SISO_NTNV_30MHz_CP-OFDM_QPSK_1725MHz_Outer_Full



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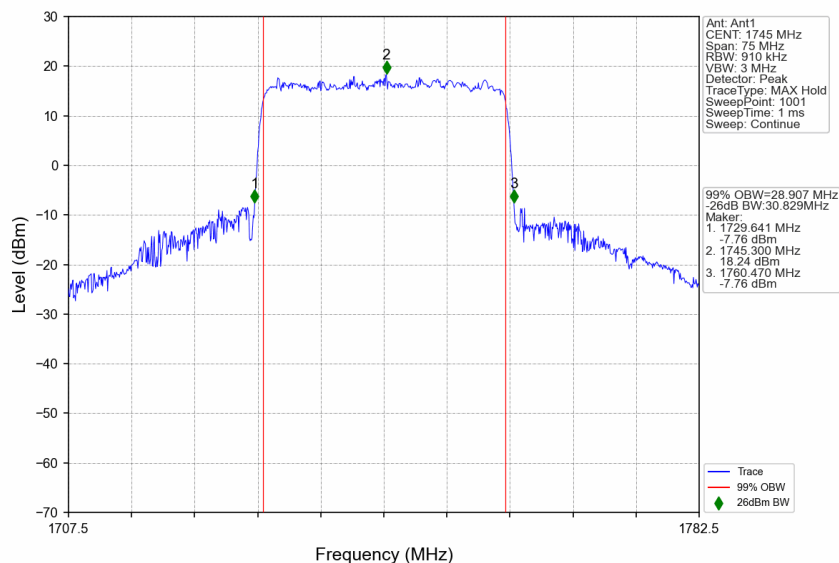
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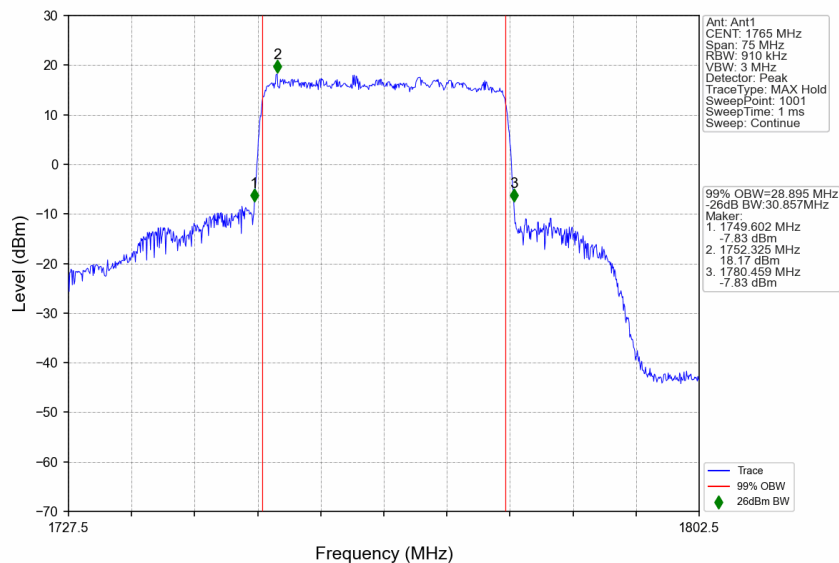
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n66_15kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_1745MHz_Outer_Full



n66_15kHz_SISO_NTNV_30MHz_CP-OFDM QPSK_1765MHz_Outer_Full



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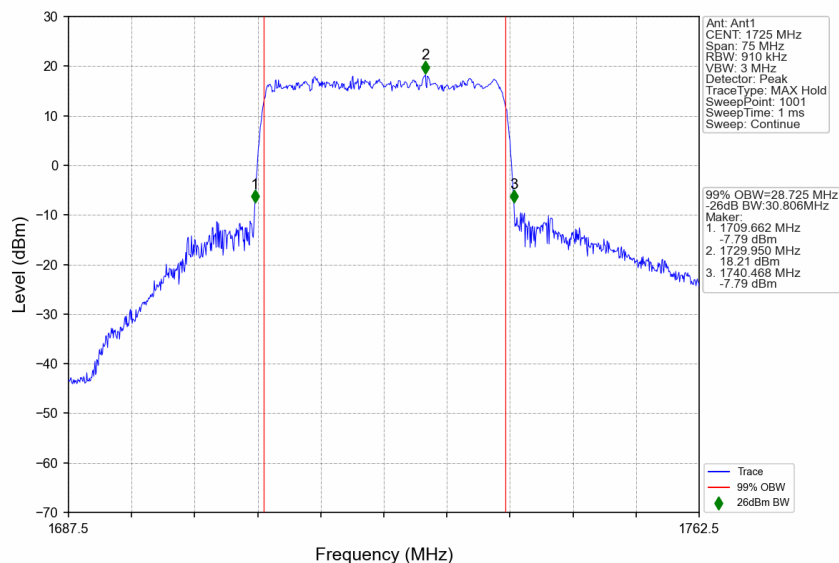
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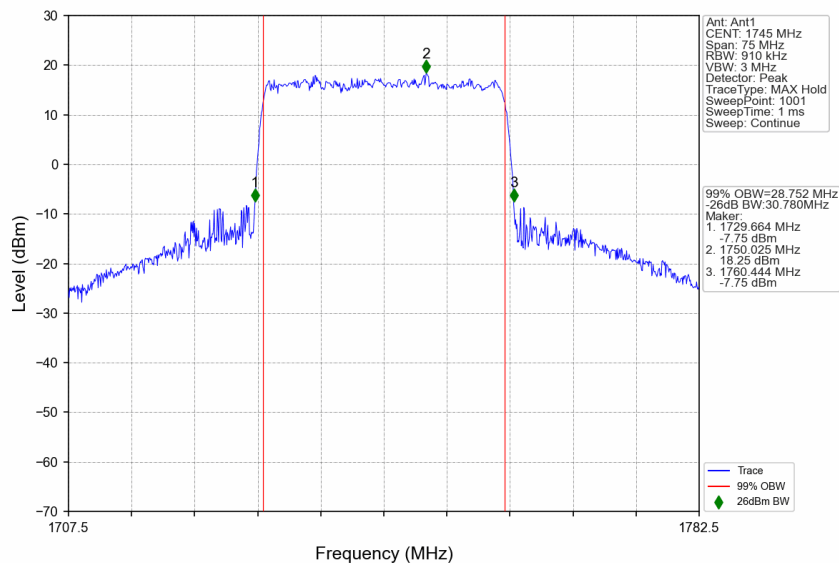
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n66_15kHz_SISO_NTNV_30MHz_CP-OFDM_16_QAM_1725MHz_Outer_Full



n66_15kHz_SISO_NTNV_30MHz_CP-OFDM_16_QAM_1745MHz_Outer_Full



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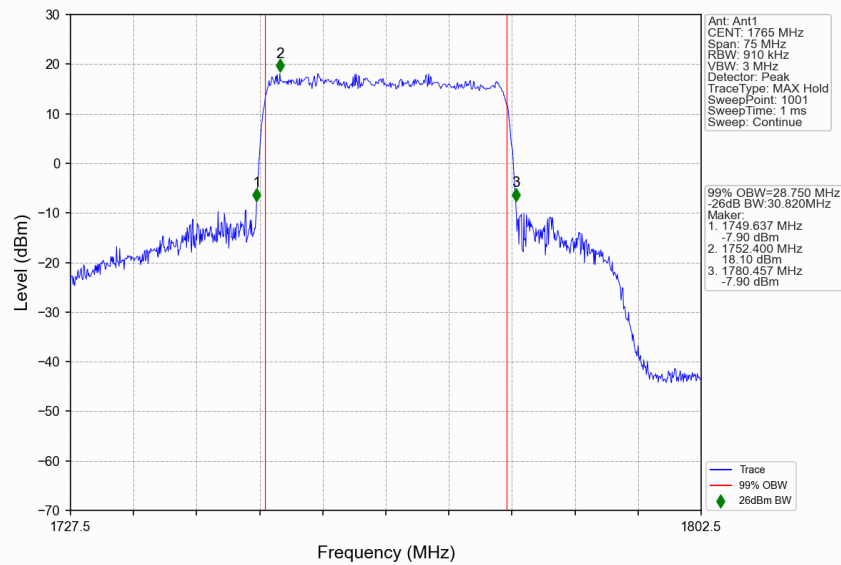
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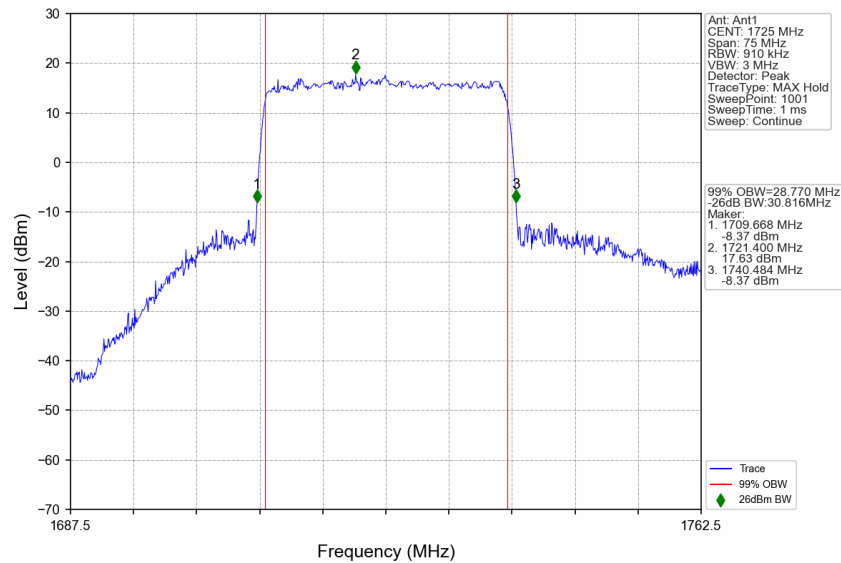
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n66_15kHz_SISO_NTNV_30MHz_CP-OFDM 16 QAM_1765MHz_Outer_Full



n66_15kHz_SISO_NTNV_30MHz_CP-OFDM 64 QAM_1725MHz_Outer_Full



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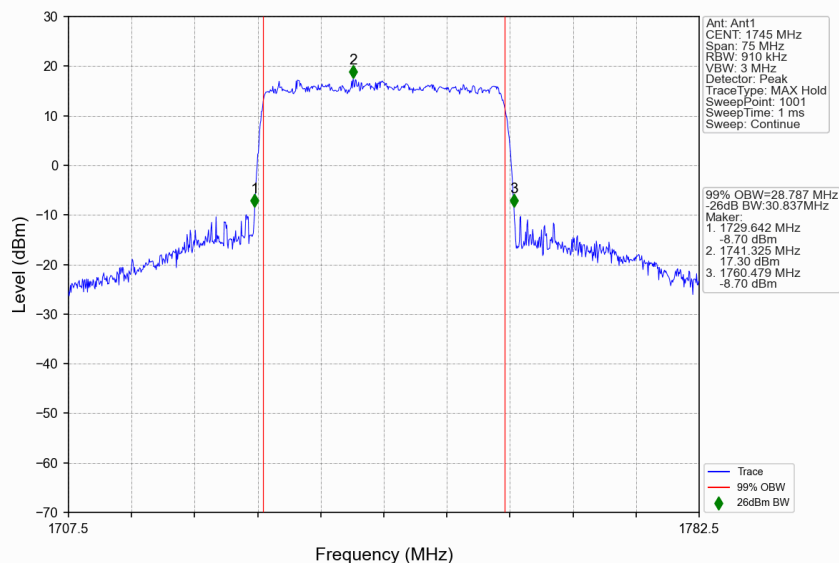
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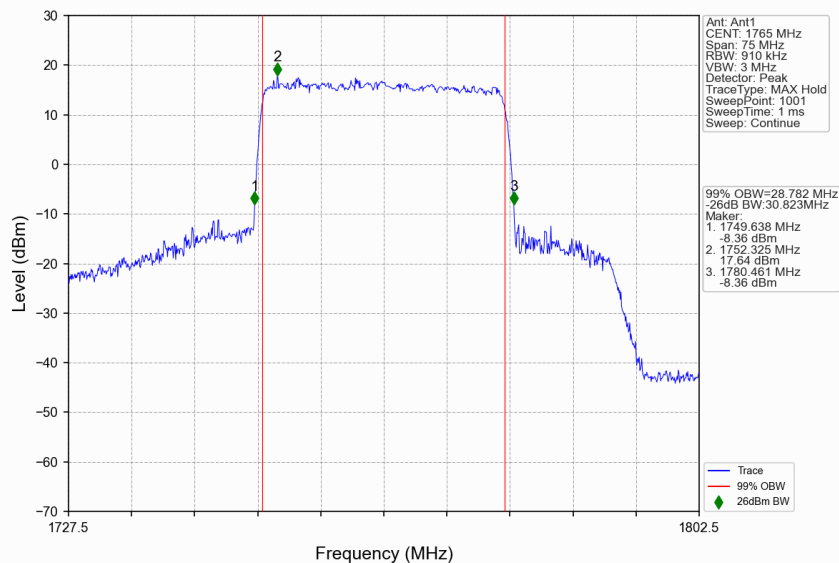
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n66_15kHz_SISO_NTNV_30MHz_CP-OFDM_64_QAM_1745MHz_Outer_Full



n66_15kHz_SISO_NTNV_30MHz_CP-OFDM_64_QAM_1765MHz_Outer_Full



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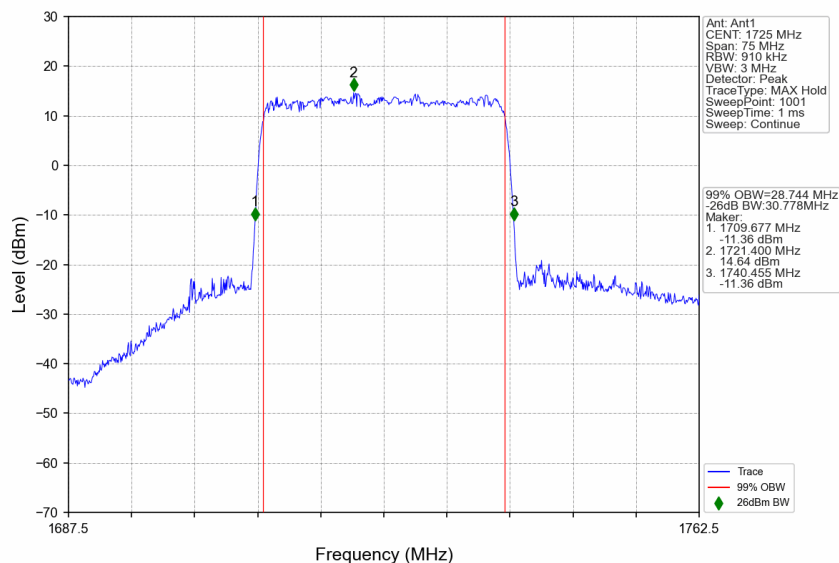
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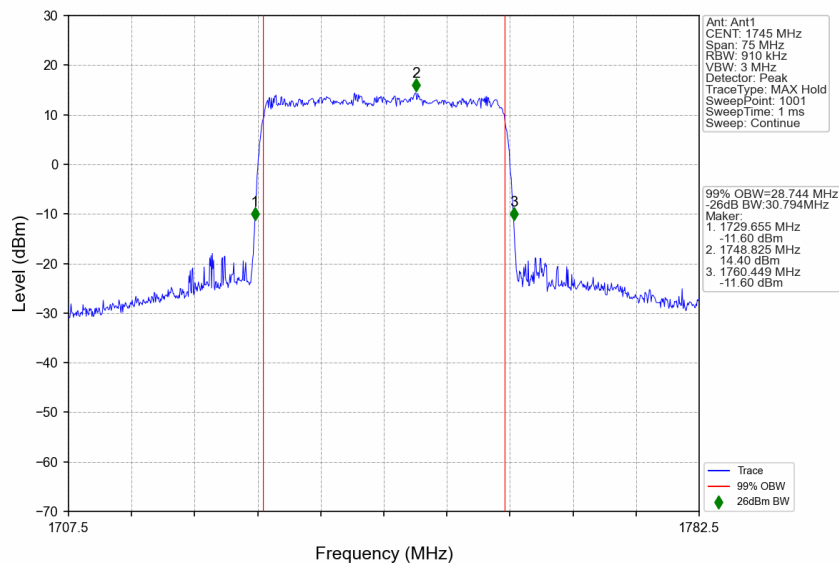
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n66_15kHz_SISO_NTNV_30MHz_CP-OFDM 256 QAM_1725MHz_Outer_Full



n66_15kHz_SISO_NTNV_30MHz_CP-OFDM 256 QAM_1745MHz_Outer_Full



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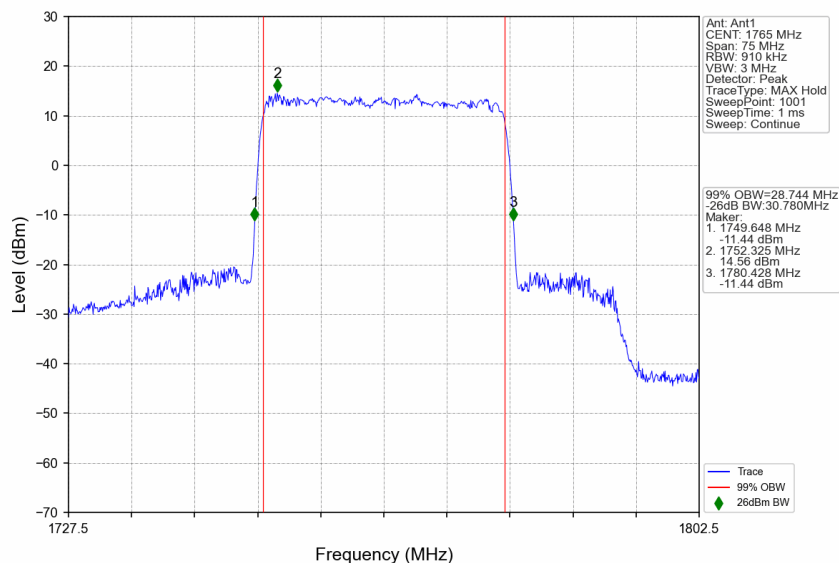
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4.7 15k_SISO_35MHz_NTNV

4.7.1 Test Result

5G NR n66 SCS=15kHz SISO 35MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	1727.5	Outer Full	32.51	34.80	/	Pass
	1745	Outer Full	32.59	34.86	/	Pass
	1762.5	Outer Full	32.44	34.82	/	Pass
DFT-s-OFDM QPSK	1727.5	Outer Full	32.37	34.86	/	Pass
	1745	Outer Full	32.38	34.86	/	Pass
	1762.5	Outer Full	32.38	34.84	/	Pass
DFT-s-OFDM 16 QAM	1727.5	Outer Full	32.41	34.84	/	Pass
	1745	Outer Full	32.43	34.78	/	Pass
	1762.5	Outer Full	32.41	34.84	/	Pass
DFT-s-OFDM 64 QAM	1727.5	Outer Full	32.46	34.95	/	Pass
	1745	Outer Full	32.46	34.90	/	Pass
	1762.5	Outer Full	32.43	34.87	/	Pass
DFT-s-OFDM 256 QAM	1727.5	Outer Full	32.46	34.80	/	Pass
	1745	Outer Full	32.41	34.76	/	Pass
	1762.5	Outer Full	32.43	34.80	/	Pass
CP-OFDM QPSK	1727.5	Outer Full	33.86	36.30	/	Pass
	1745	Outer Full	33.86	36.25	/	Pass
	1762.5	Outer Full	33.86	36.27	/	Pass
CP-OFDM 16 QAM	1727.5	Outer Full	33.87	36.38	/	Pass
	1745	Outer Full	33.89	36.21	/	Pass
	1762.5	Outer Full	33.95	36.28	/	Pass
CP-OFDM 64 QAM	1727.5	Outer Full	33.89	36.34	/	Pass
	1745	Outer Full	33.89	36.29	/	Pass
	1762.5	Outer Full	33.89	36.22	/	Pass
CP-OFDM 256 QAM	1727.5	Outer Full	33.67	36.21	/	Pass
	1745	Outer Full	33.69	36.25	/	Pass
	1762.5	Outer Full	33.70	36.23	/	Pass



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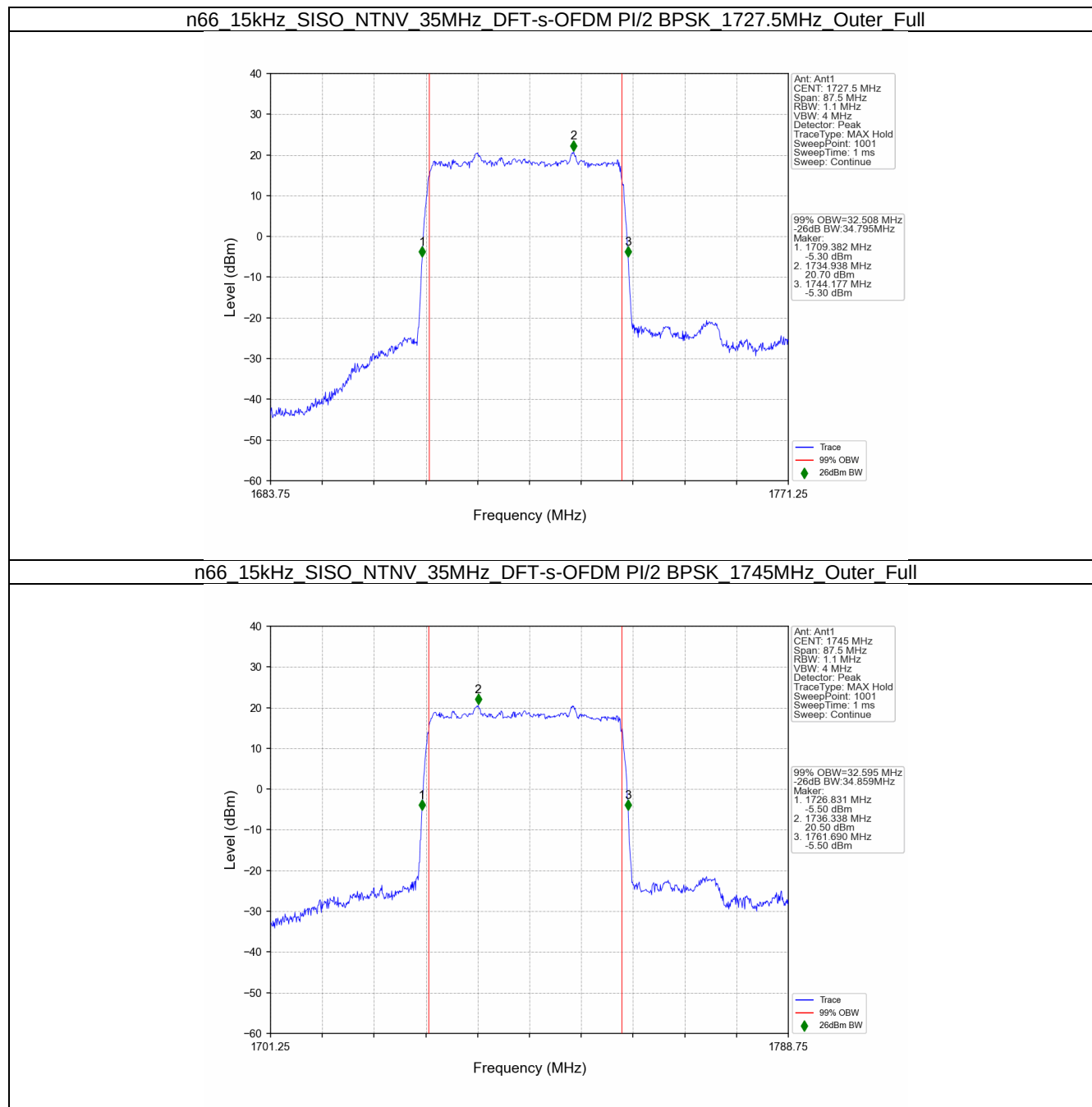
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4.7.2 Test Graph



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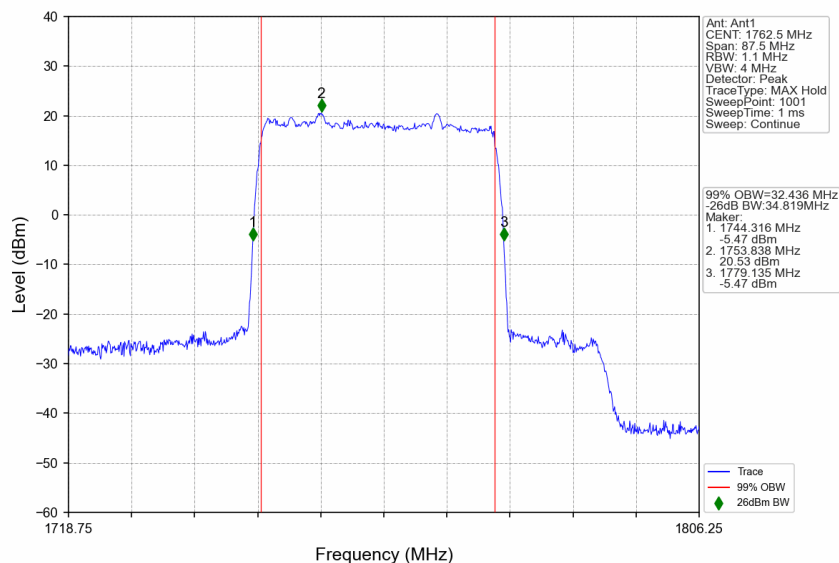
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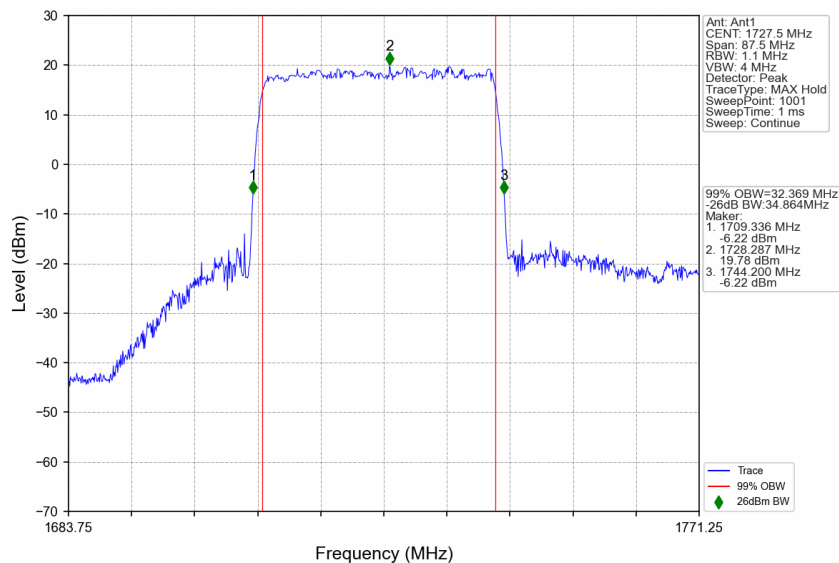
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n66_15kHz_SISO_NTNV_35MHz_DFT-s-OFDM PI/2 BPSK_1762.5MHz_Outer_Full



n66_15kHz_SISO_NTNV_35MHz_DFT-s-OFDM QPSK_1727.5MHz_Outer_Full



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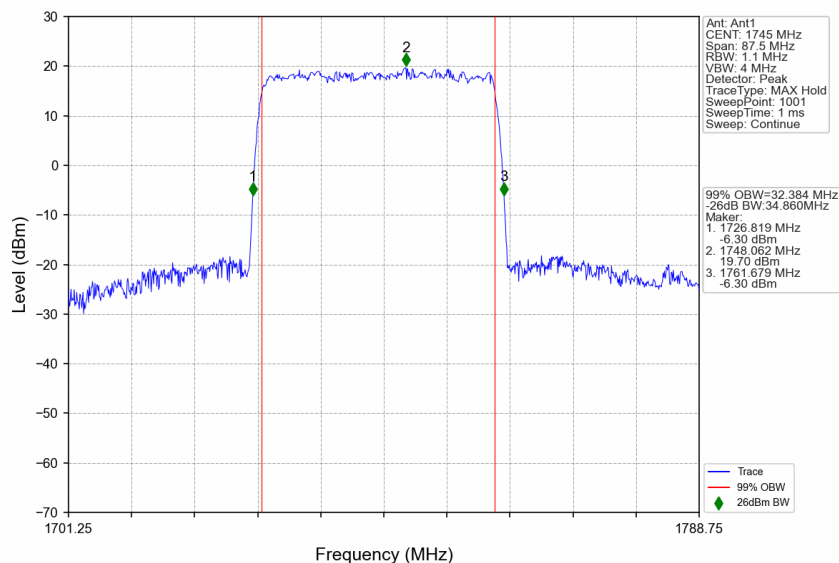
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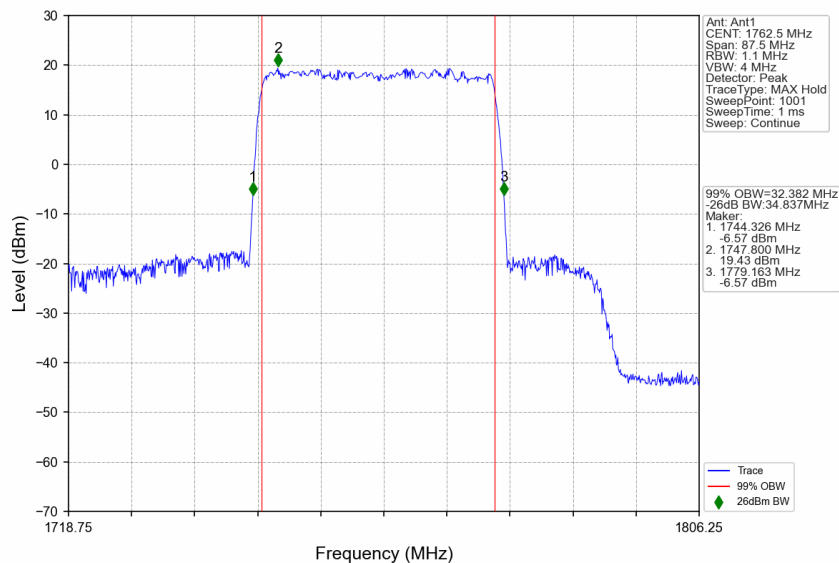
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n66_15kHz_SISO_NTNV_35MHz_DFT-s-OFDM QPSK_1745MHz_Outer_Full



n66_15kHz_SISO_NTNV_35MHz_DFT-s-OFDM QPSK_1762.5MHz_Outer_Full



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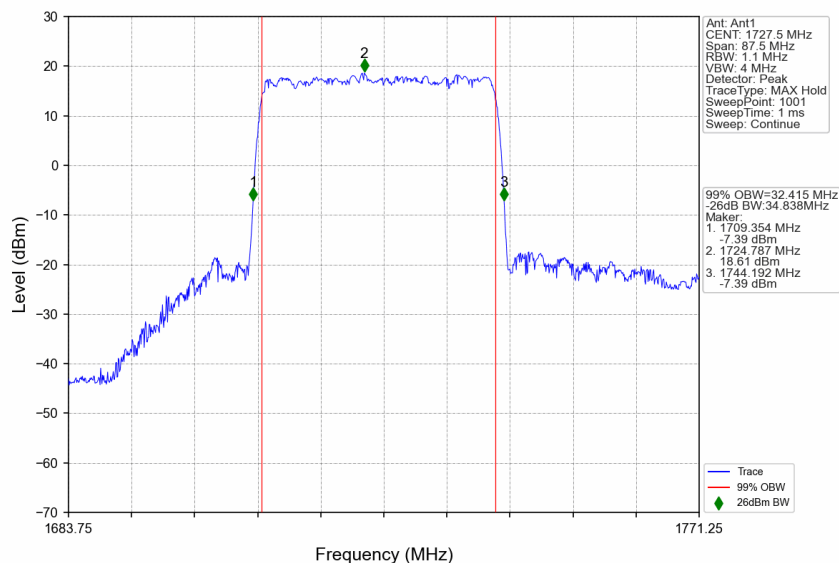
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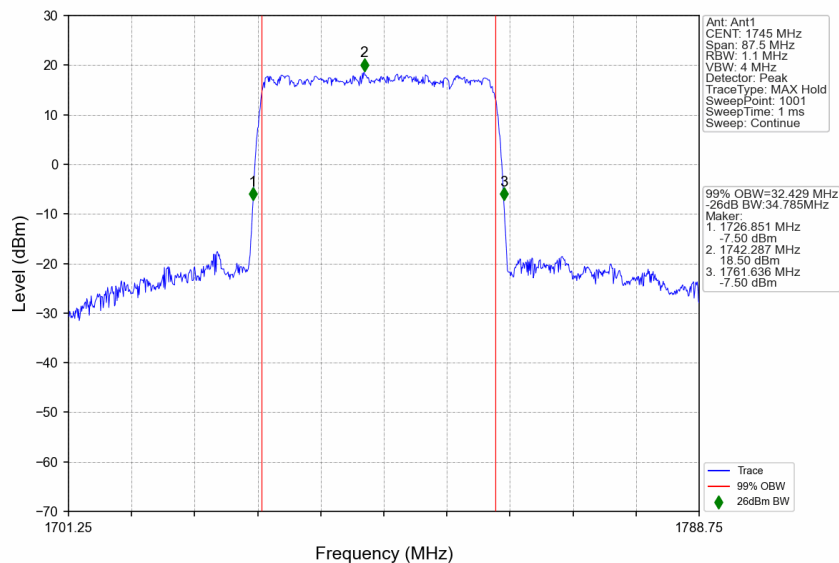
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n66_15kHz_SISO_NTNV_35MHz_DFT-s-OFDM_16_QAM_1727.5MHz_Outer_Full



n66_15kHz_SISO_NTNV_35MHz_DFT-s-OFDM_16_QAM_1745MHz_Outer_Full



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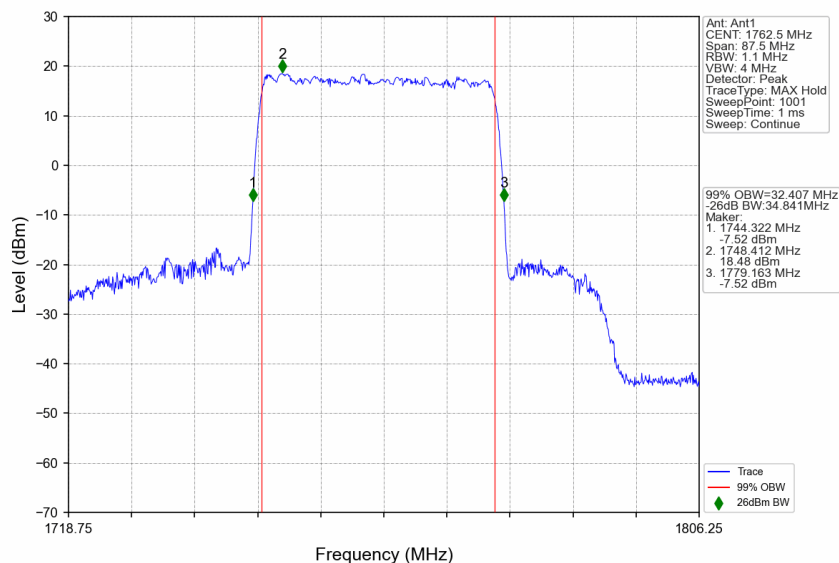
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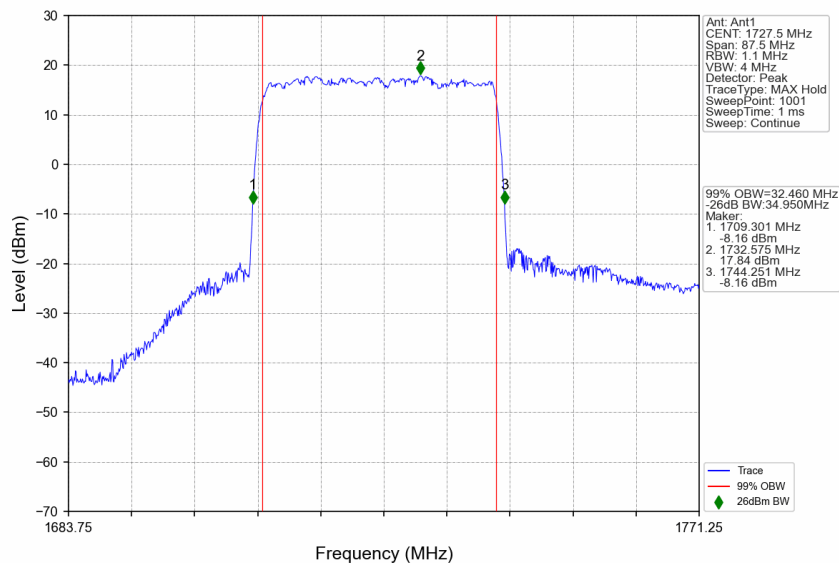
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n66_15kHz_SISO_NTNV_35MHz_DFT-s-OFDM_16_QAM_1762.5MHz_Outer_Full



n66_15kHz_SISO_NTNV_35MHz_DFT-s-OFDM_64_QAM_1727.5MHz_Outer_Full



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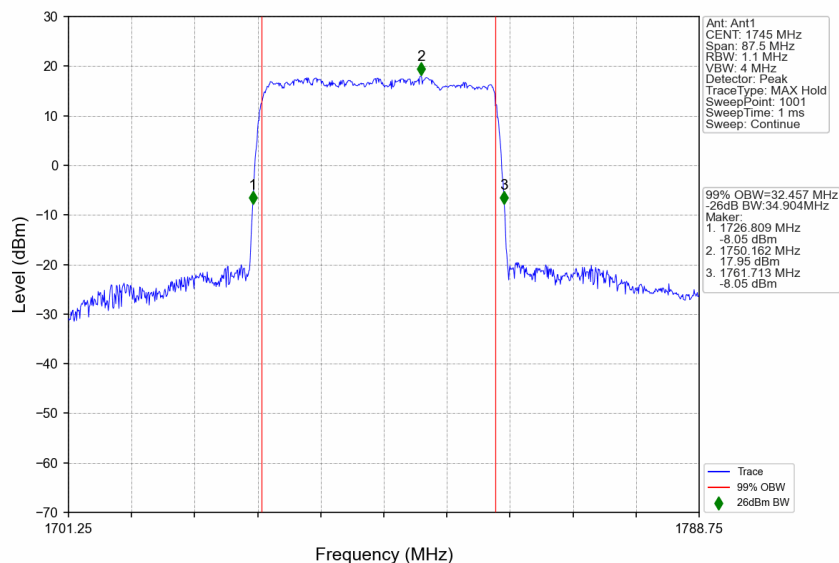
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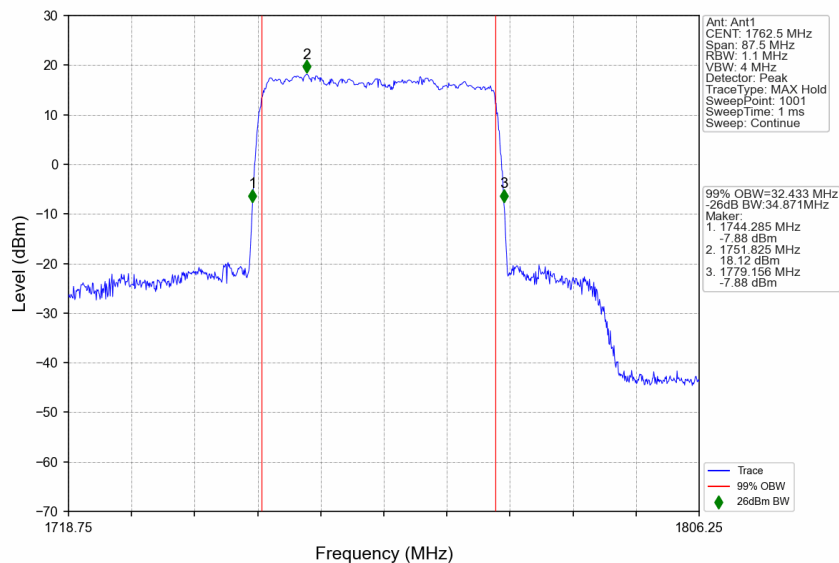
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n66_15kHz_SISO_NTNV_35MHz_DFT-s-OFDM_64_QAM_1762.5MHz_Outer_Full



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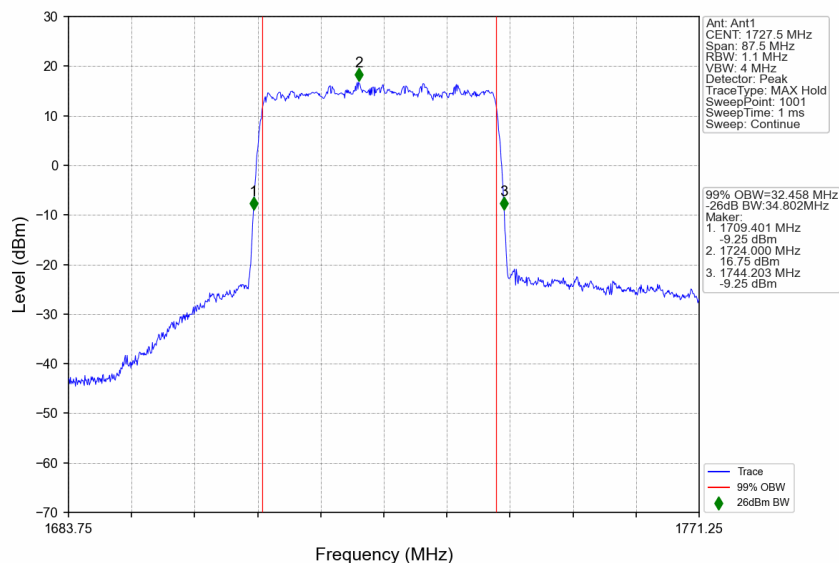
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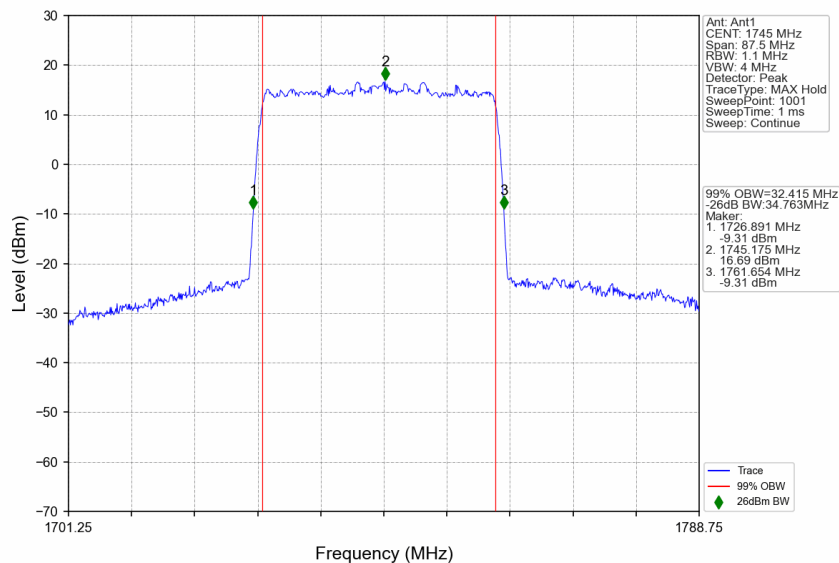
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n66_15kHz_SISO_NTNV_35MHz_DFT-s-OFDM_256_QAM_1727.5MHz_Outer_Full



n66_15kHz_SISO_NTNV_35MHz_DFT-s-OFDM_256_QAM_1745MHz_Outer_Full



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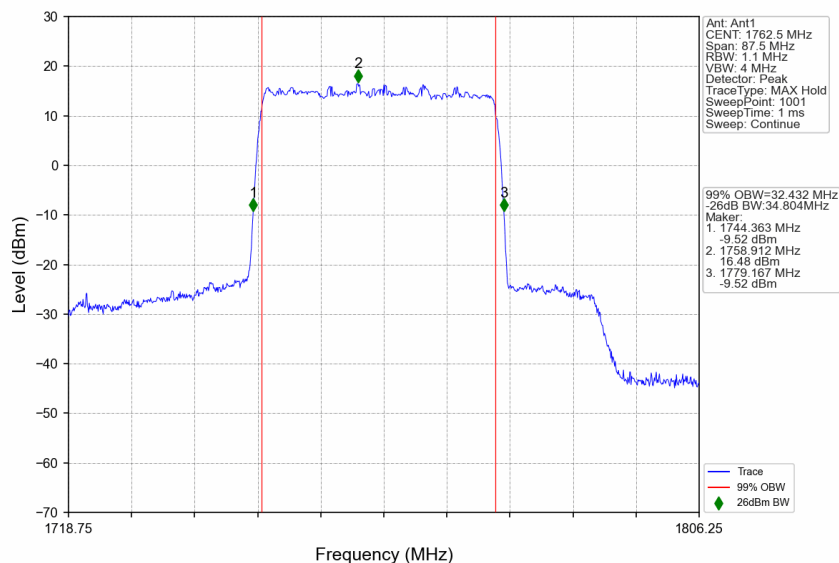
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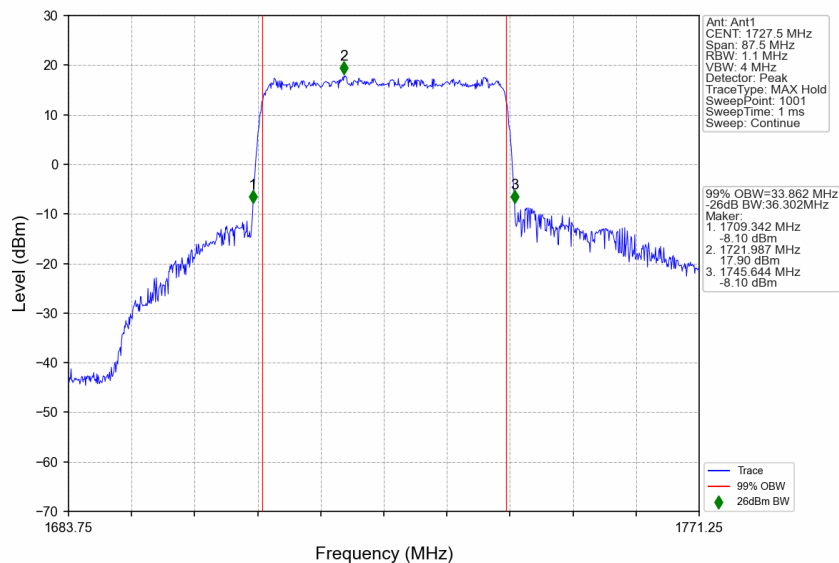
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n66_15kHz_SISO_NTNV_35MHz_DFT-s-OFDM_256_QAM_1762.5MHz_Outer_Full



n66_15kHz_SISO_NTNV_35MHz_CP-OFDM_QPSK_1727.5MHz_Outer_Full



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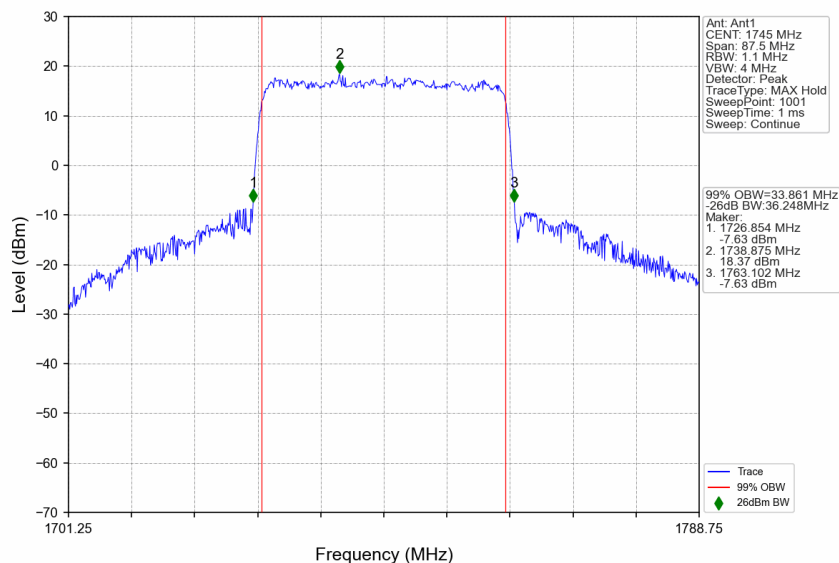
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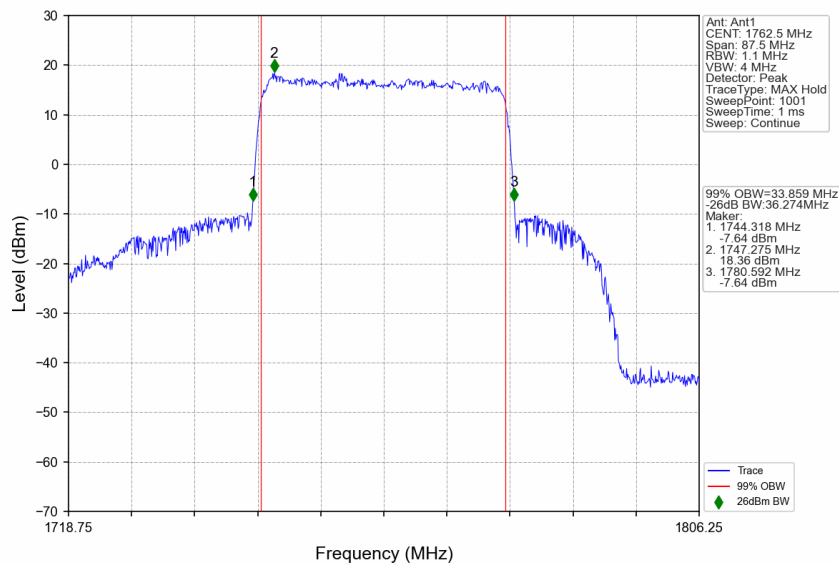
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n66_15kHz_SISO_NTNV_35MHz_CP-OFDM QPSK_1745MHz_Outer_Full



n66_15kHz_SISO_NTNV_35MHz_CP-OFDM QPSK_1762.5MHz_Outer_Full



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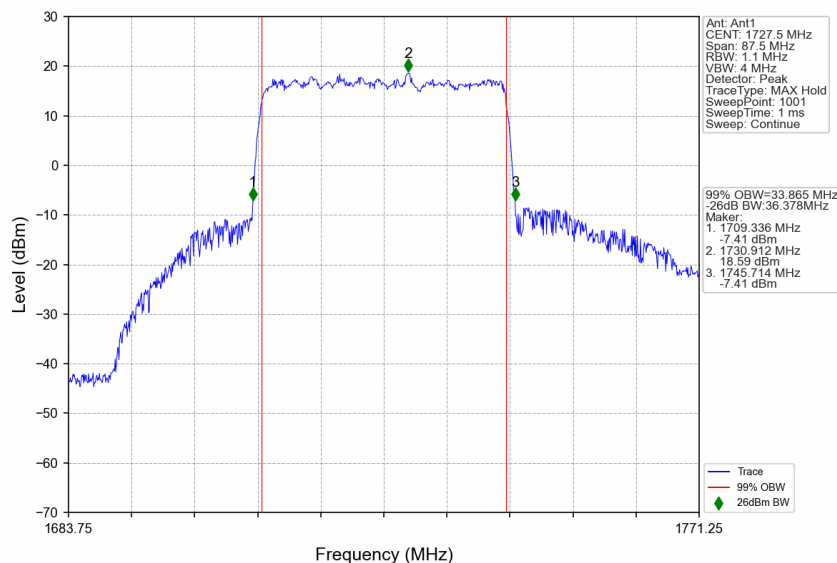
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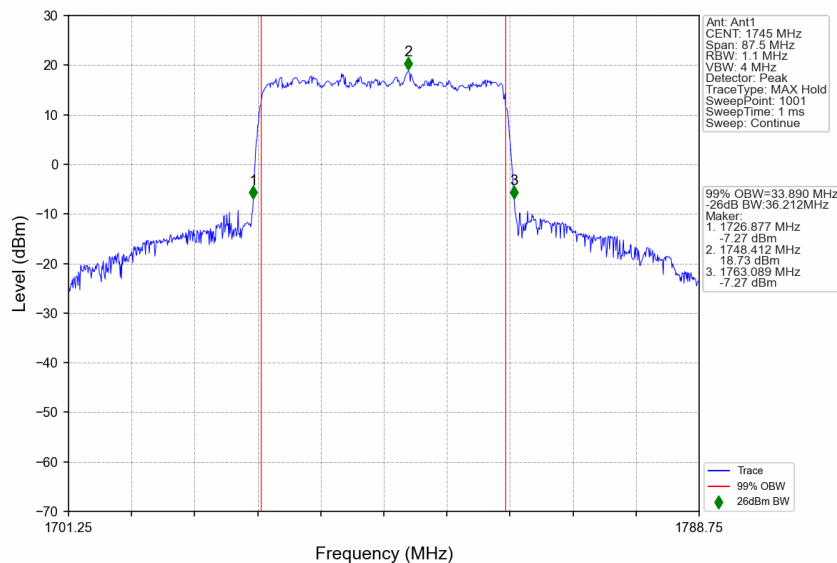
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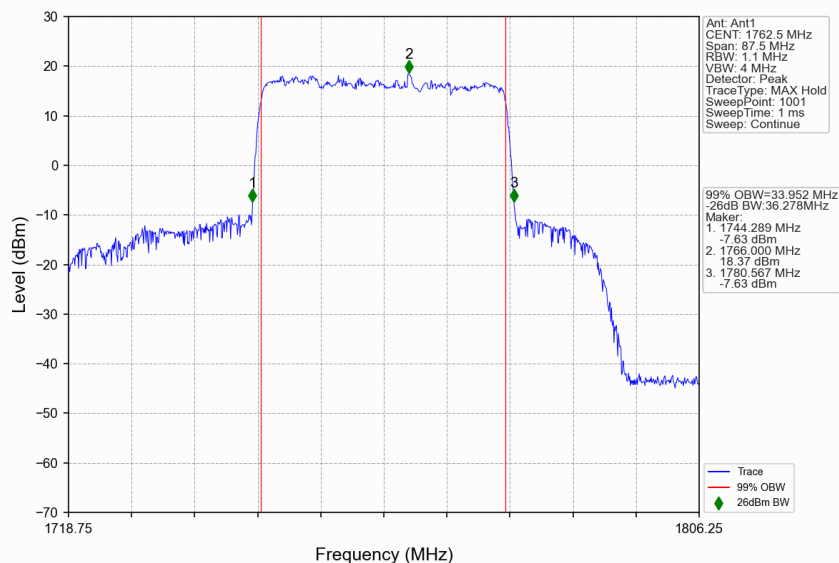
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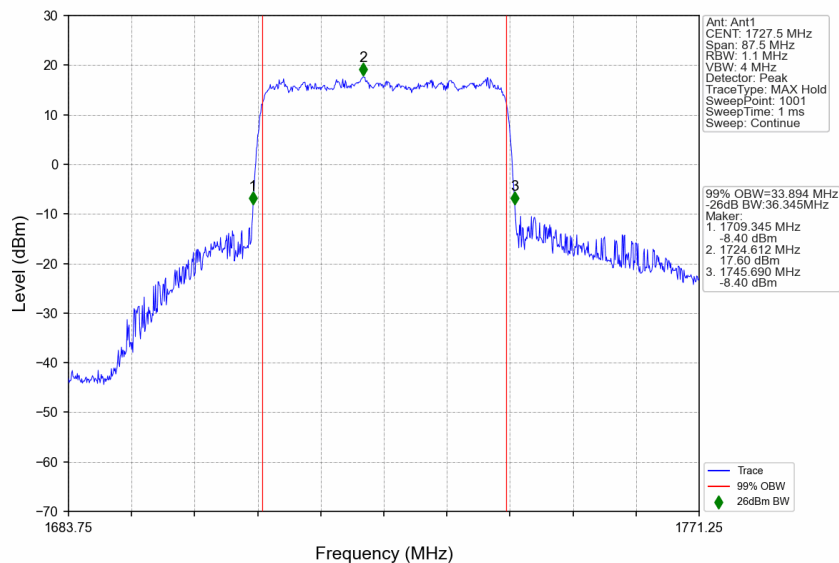
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n66_15kHz_SISO_NTNV_35MHz_CP-OFDM 64 QAM_1727.5MHz_Outer_Full



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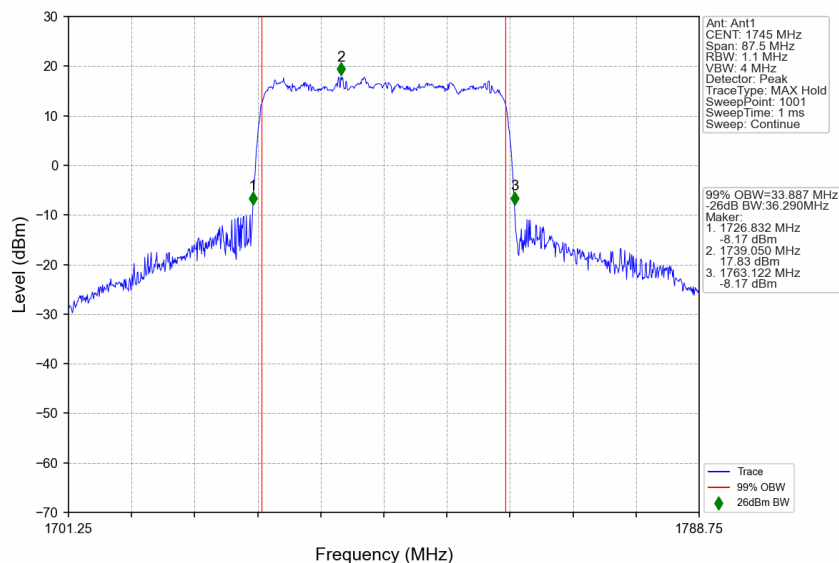
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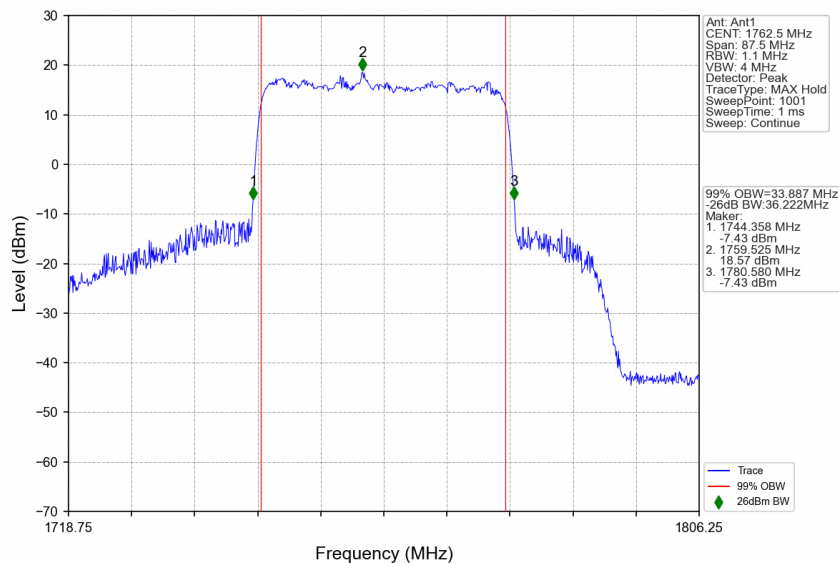
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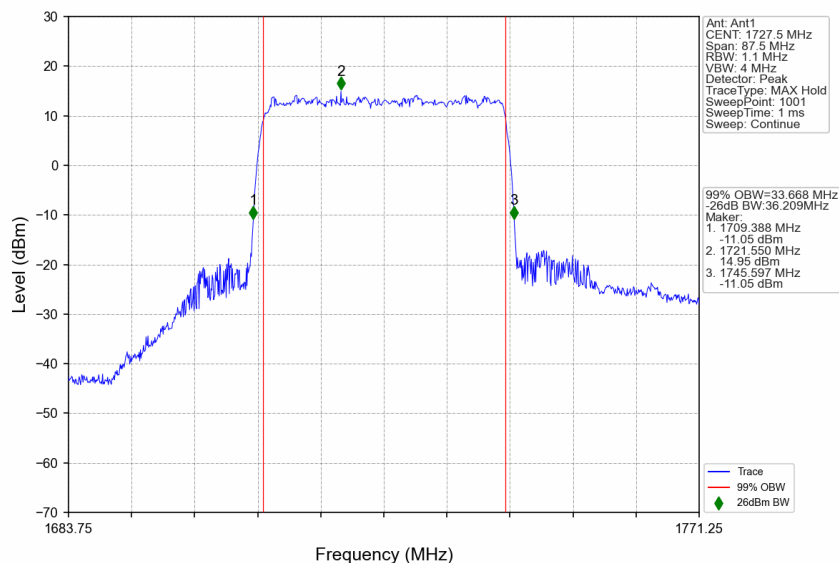
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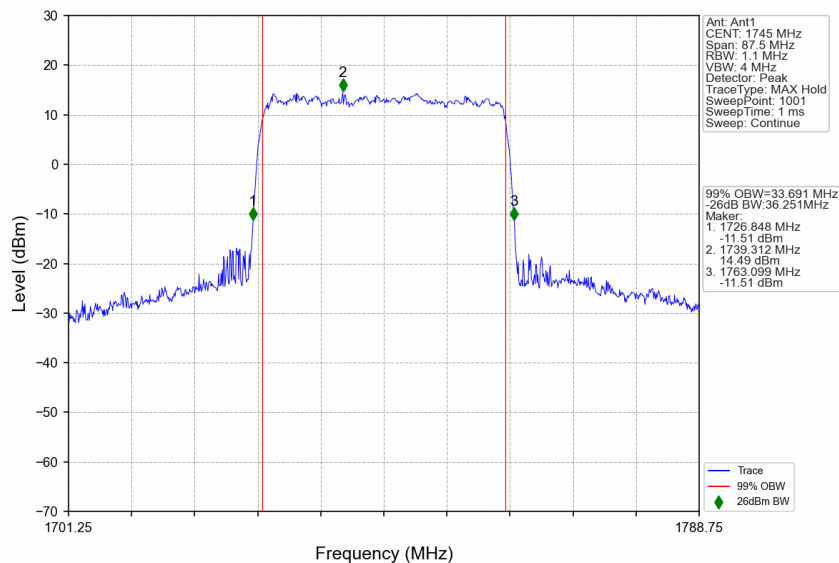
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n66_15kHz_SISO_NTNV_35MHz_CP-OFDM_256_QAM_1745MHz_Outer_Full



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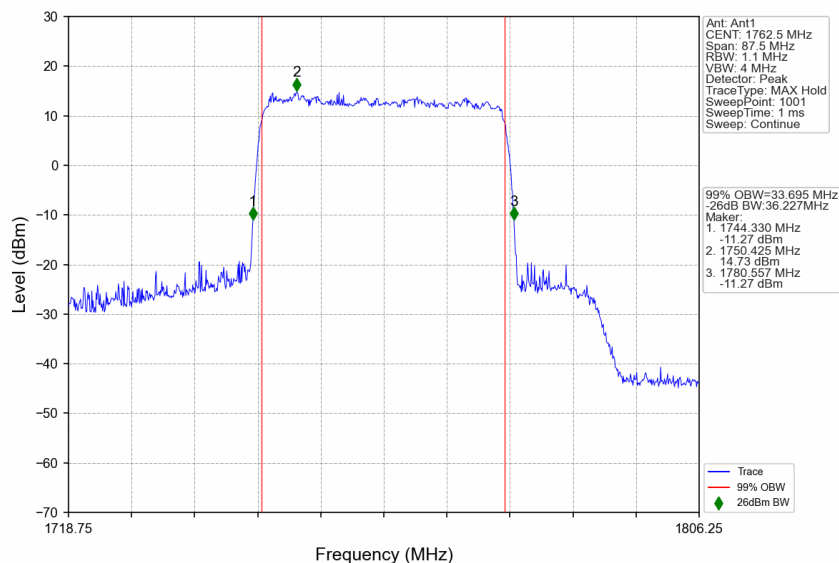
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4.8 15k_SISO_40MHz_NTNV

4.8.1 Test Result

5G NR n66 SCS=15kHz SISO 40MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	1730	Outer Full	38.88	41.53	/	Pass
	1745	Outer Full	38.88	41.53	/	Pass
	1760	Outer Full	38.80	41.45	/	Pass
DFT-s-OFDM QPSK	1730	Outer Full	38.99	41.52	/	Pass
	1745	Outer Full	38.97	41.55	/	Pass
	1760	Outer Full	38.98	41.56	/	Pass
DFT-s-OFDM 16 QAM	1730	Outer Full	38.80	41.51	/	Pass
	1745	Outer Full	38.84	41.60	/	Pass
	1760	Outer Full	38.73	41.55	/	Pass
DFT-s-OFDM 64 QAM	1730	Outer Full	38.92	41.56	/	Pass
	1745	Outer Full	38.94	41.56	/	Pass
	1760	Outer Full	38.92	41.53	/	Pass
DFT-s-OFDM 256 QAM	1730	Outer Full	38.92	41.46	/	Pass
	1745	Outer Full	38.94	41.45	/	Pass
	1760	Outer Full	38.91	41.46	/	Pass
CP-OFDM QPSK	1730	Outer Full	38.86	41.52	/	Pass
	1745	Outer Full	38.94	41.48	/	Pass
	1760	Outer Full	38.85	41.49	/	Pass
CP-OFDM 16 QAM	1730	Outer Full	38.83	41.53	/	Pass
	1745	Outer Full	38.84	41.52	/	Pass
	1760	Outer Full	38.80	41.50	/	Pass
CP-OFDM 64 QAM	1730	Outer Full	38.81	41.51	/	Pass
	1745	Outer Full	38.81	41.54	/	Pass
	1760	Outer Full	38.77	41.51	/	Pass
CP-OFDM 256 QAM	1730	Outer Full	38.84	41.56	/	Pass
	1745	Outer Full	38.85	41.56	/	Pass
	1760	Outer Full	38.83	41.49	/	Pass



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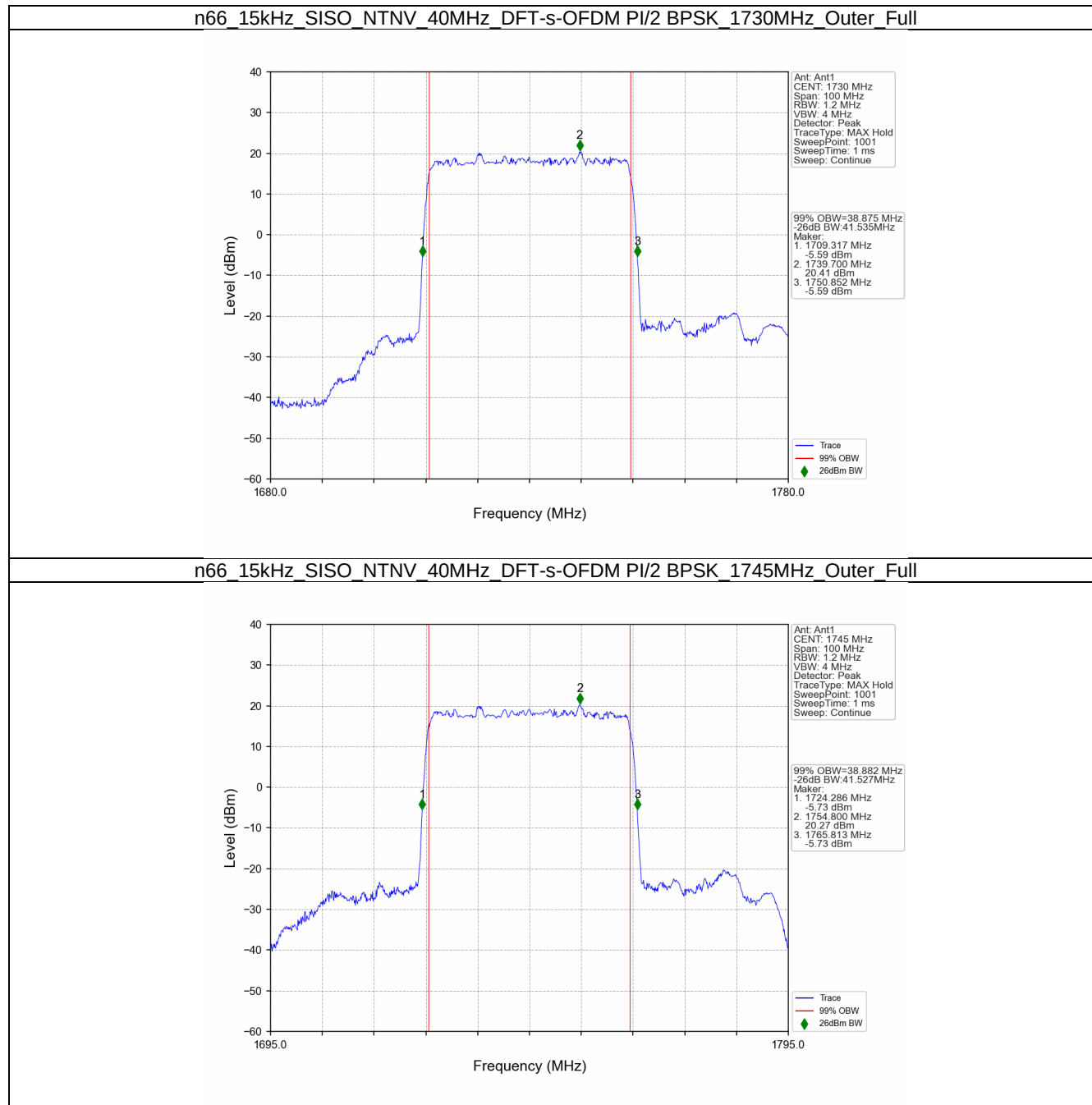
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4.8.2 Test Graph



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