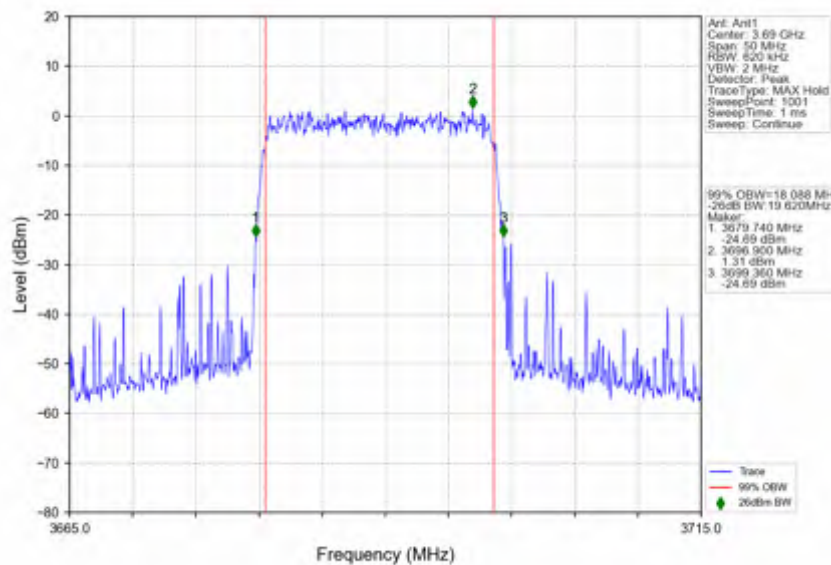
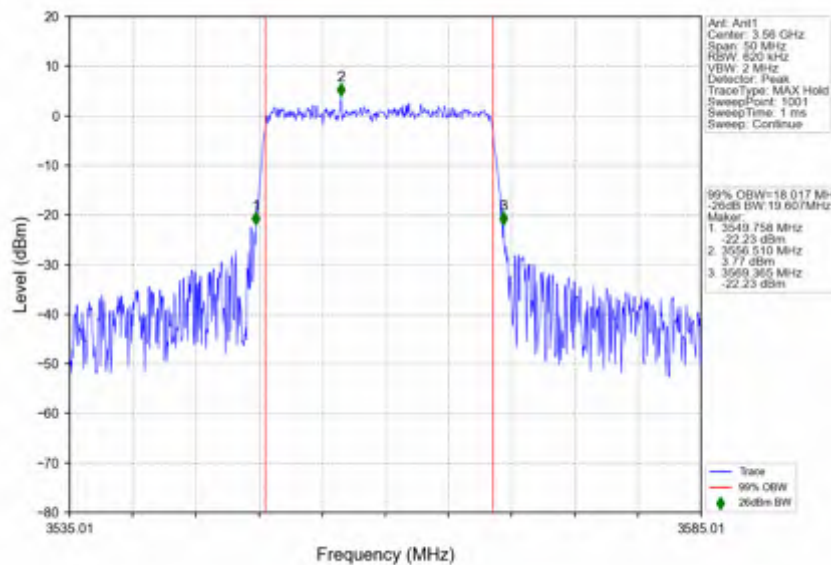


n78d_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 16 QAM_3690MHz_Outer_Full



n78d_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 64 QAM_3560.01MHz_Outer_Full



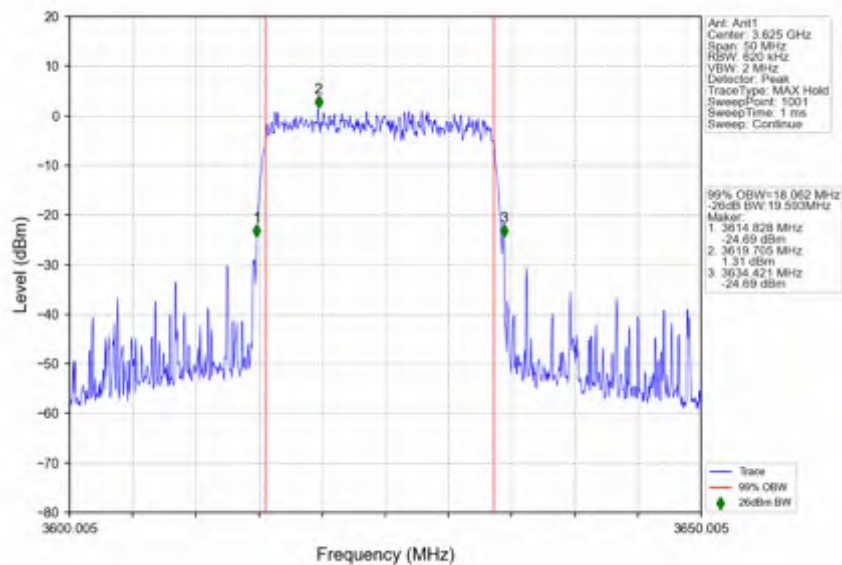
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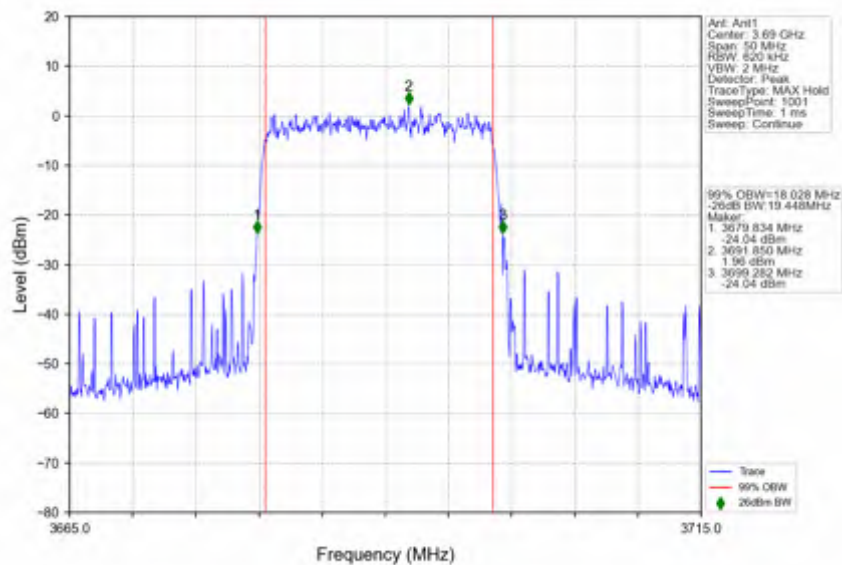
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n78d_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 64 QAM_3625.005MHz_Outer_Full



n78d_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM 64 QAM_3690MHz_Outer_Full



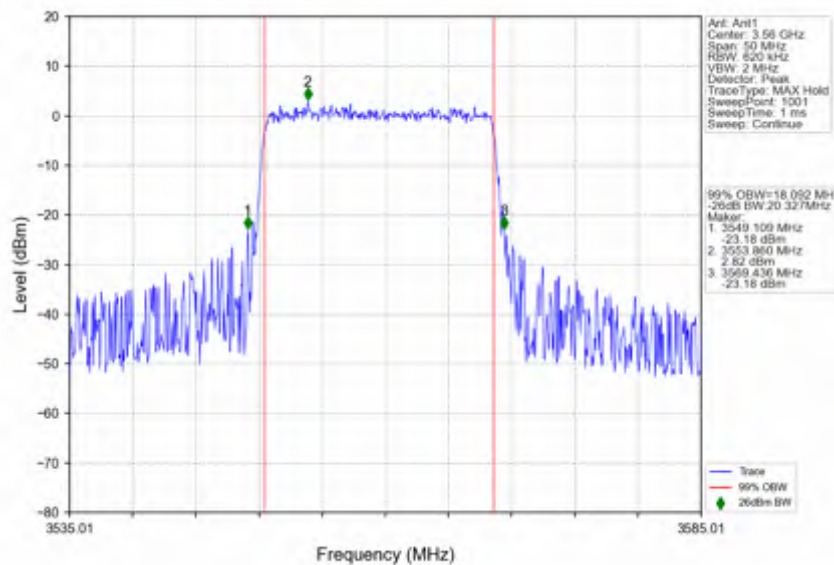
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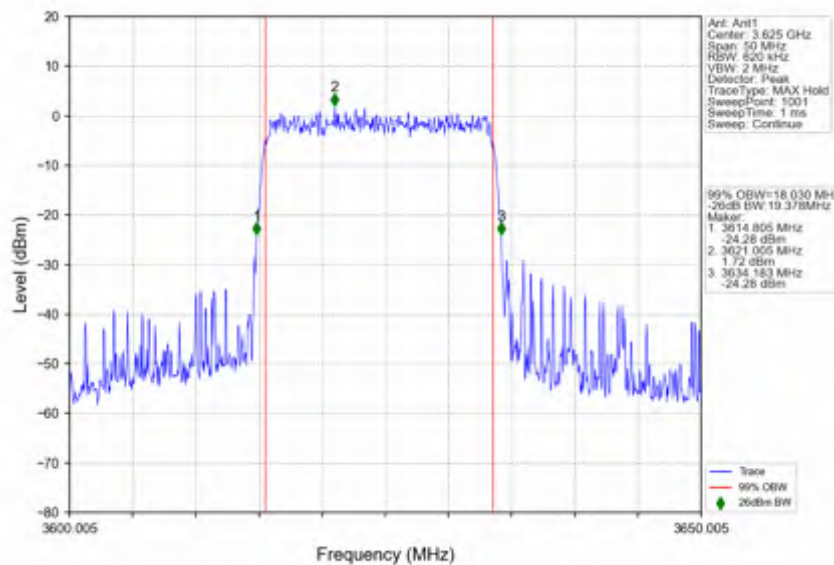
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n78d_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_3560.01MHz_Outer_Full



n78d_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_3625.005MHz_Outer_Full



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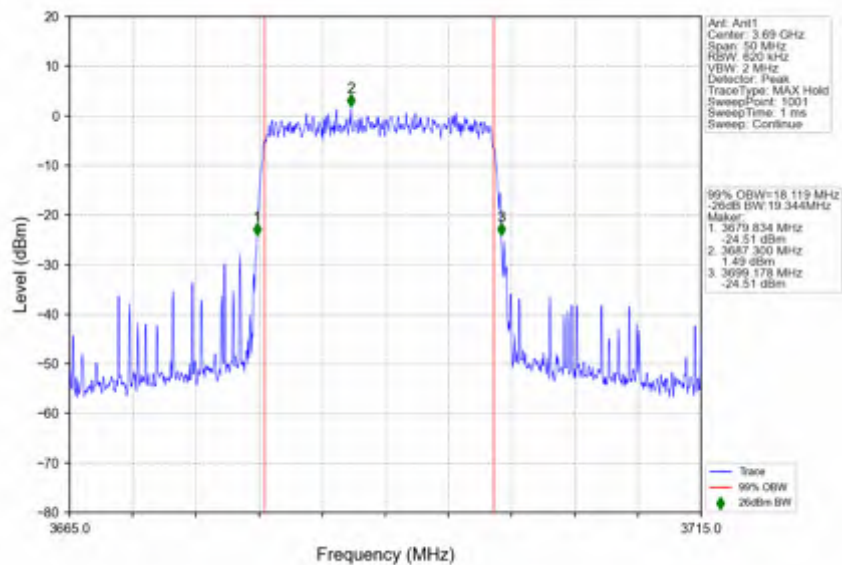
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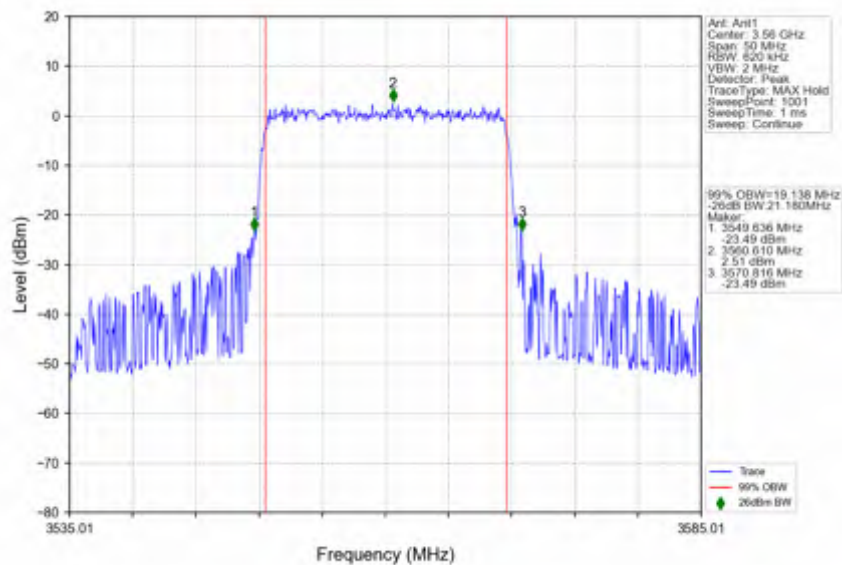
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n78d_15kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_3690MHz_Outer_Full



n78d_15kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_3560.01MHz_Outer_Full



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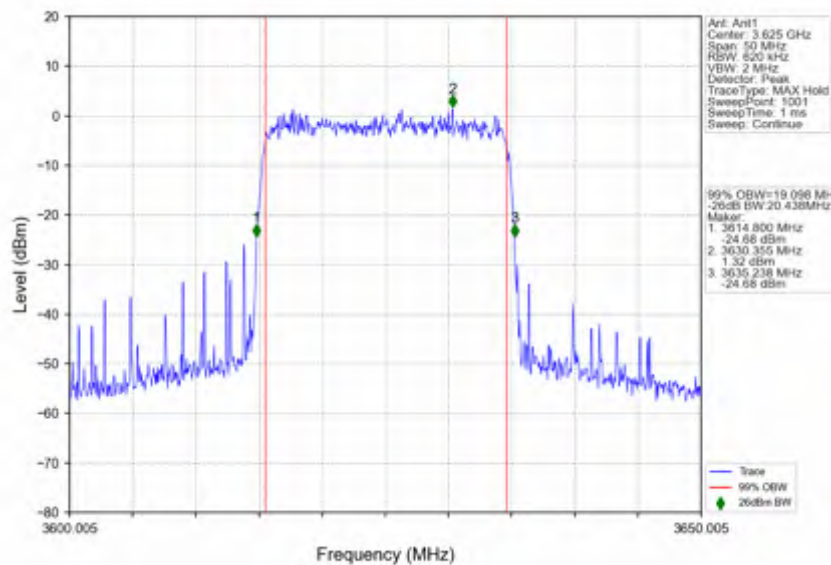
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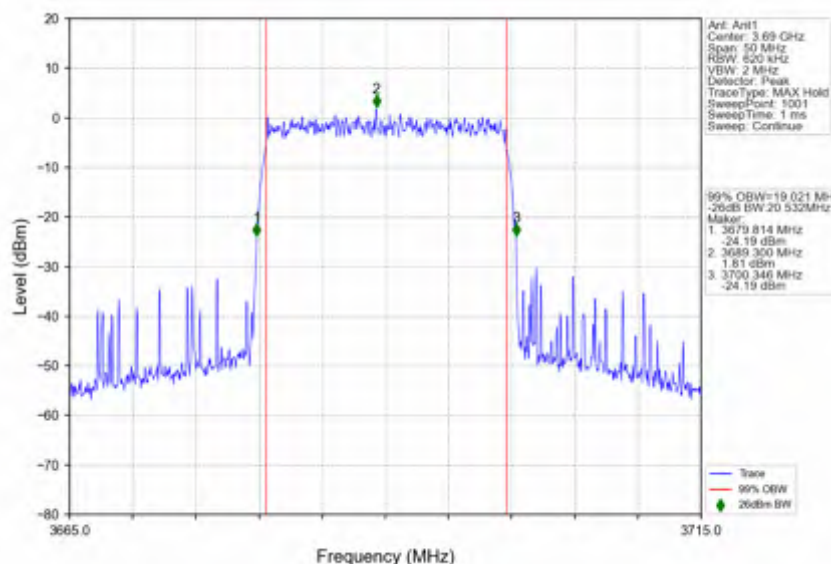
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n78d_15kHz_SISO_NTNV_20MHz_CP-OFDM_QPSK_3625.005MHz_Outer_Full



n78d 15kHz SISO NTN 20MHz CP-OFDM QPSK 3690MHz Outer Full

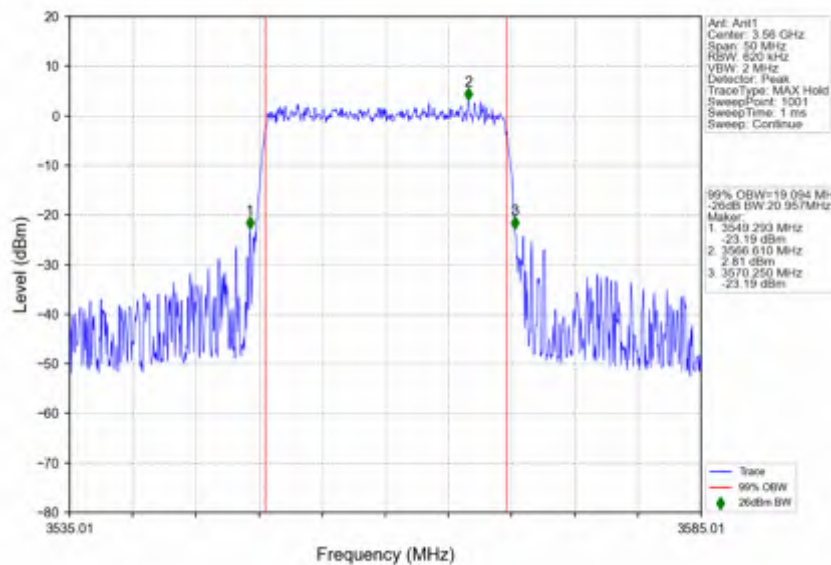


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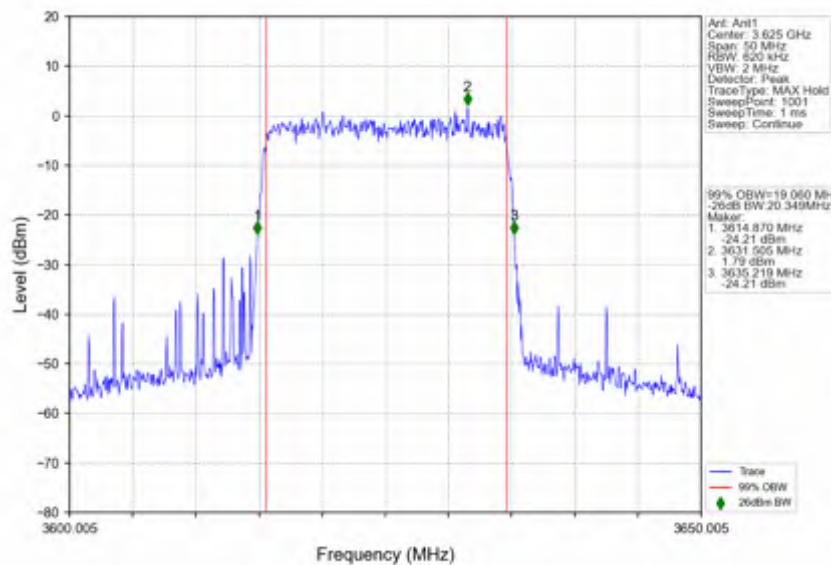
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n78d_15kHz_SISO_NTNV_20MHz_CP-OFDM_16_QAM_3560.01MHz_Outer_Full



n78d_15kHz_SISO_NTNV_20MHz_CP-OFDM_16_QAM_3625.005MHz_Outer_Full



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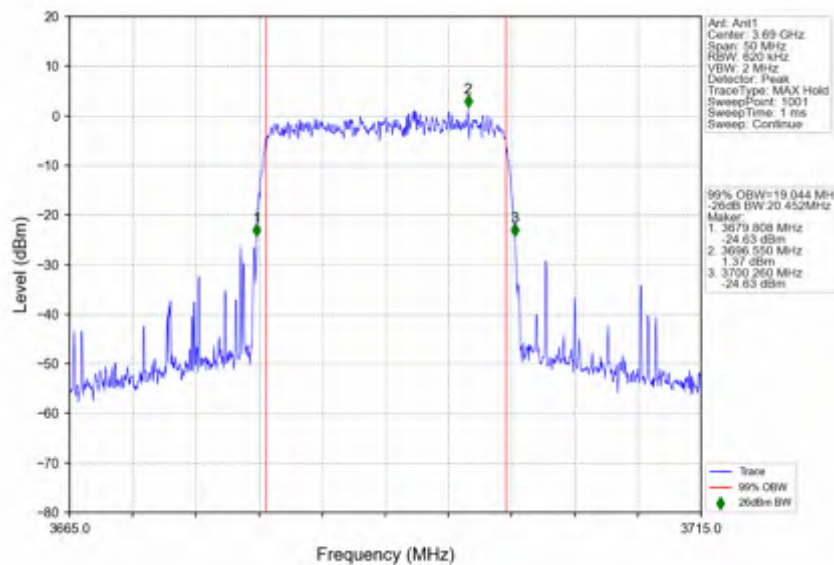
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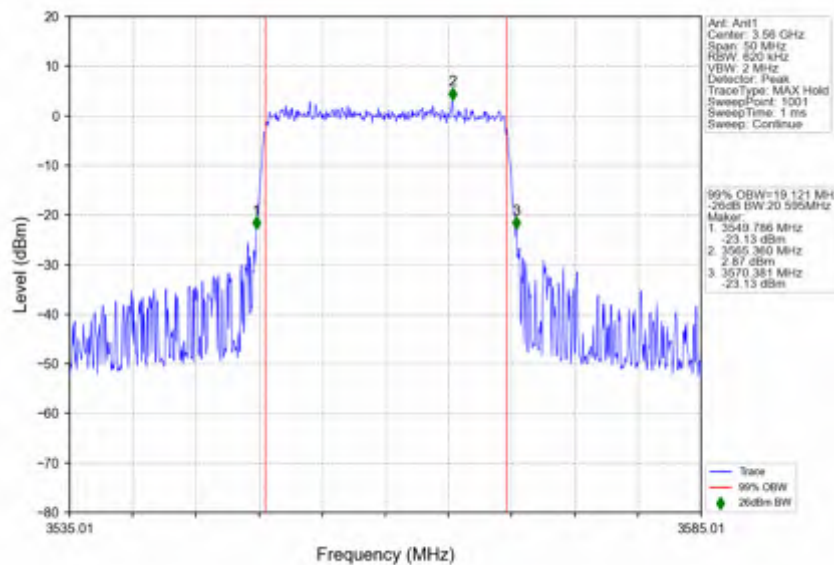
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n78d_15kHz_SISO_NTNV_20MHz_CP-OFDM 16 QAM_3690MHz_Outer_Full



n78d_15kHz_SISO_NTNV_20MHz_CP-OFDM 64 QAM_3560.01MHz_Outer_Full



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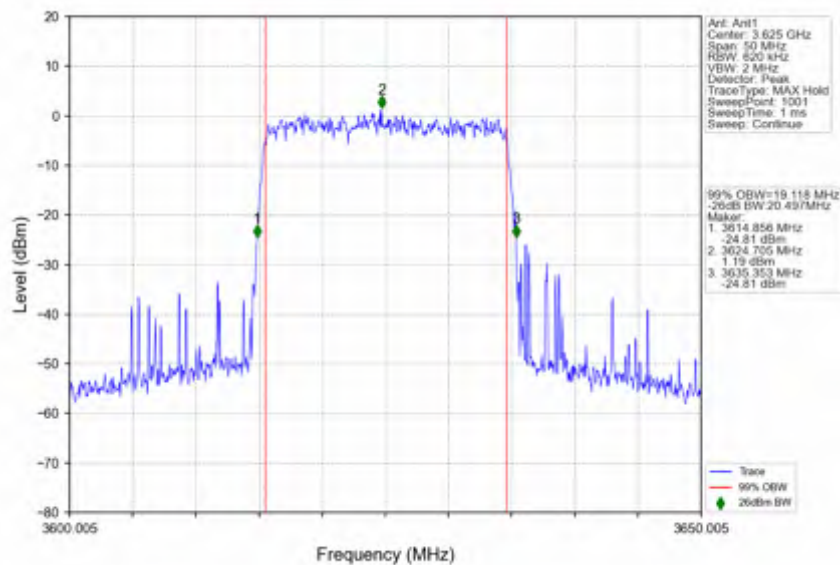
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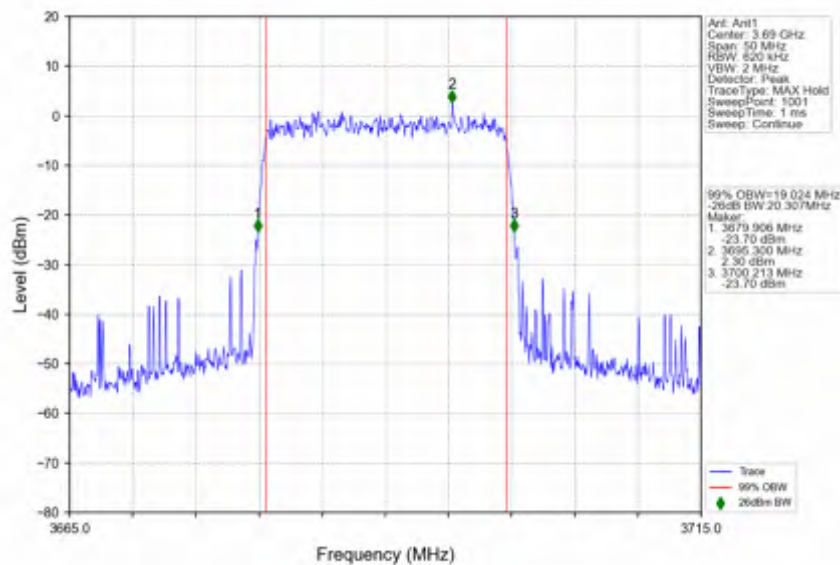
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n78d_15kHz_SISO_NTNV_20MHz_CP-OFDM_64_QAM_3625.005MHz_Outer_Full



n78d_15kHz_SISO_NTNV_20MHz_CP-OFDM_64_QAM_3690MHz_Outer_Full

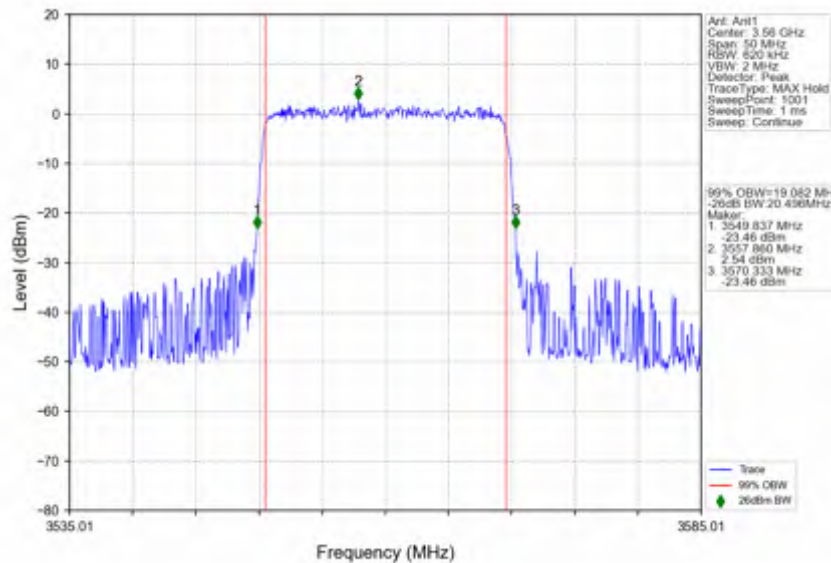


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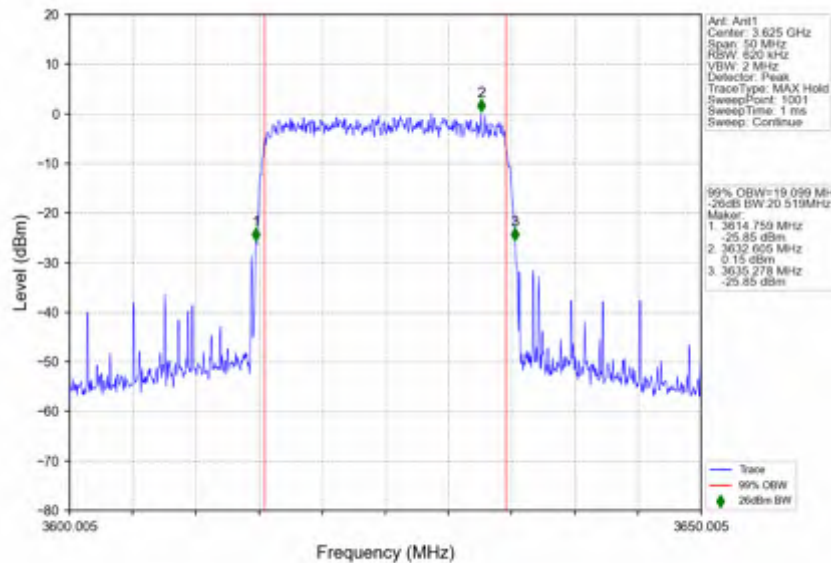
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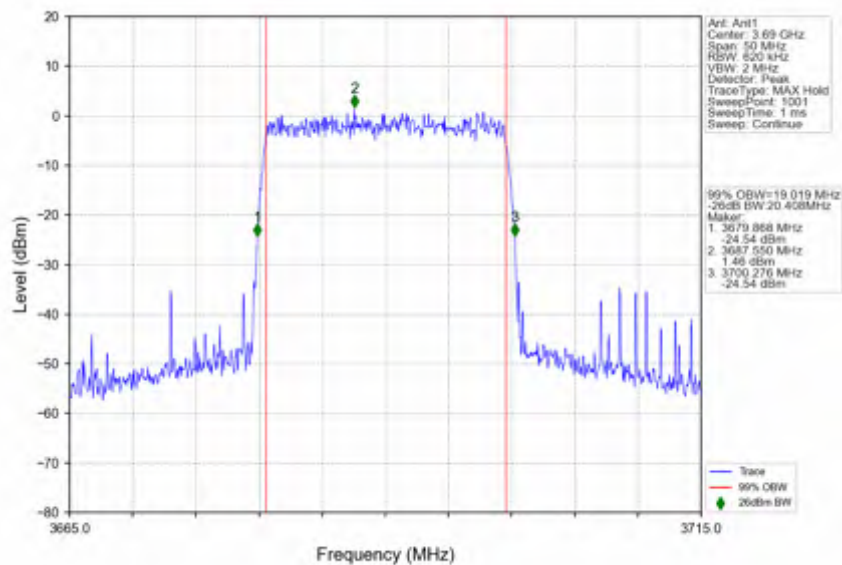
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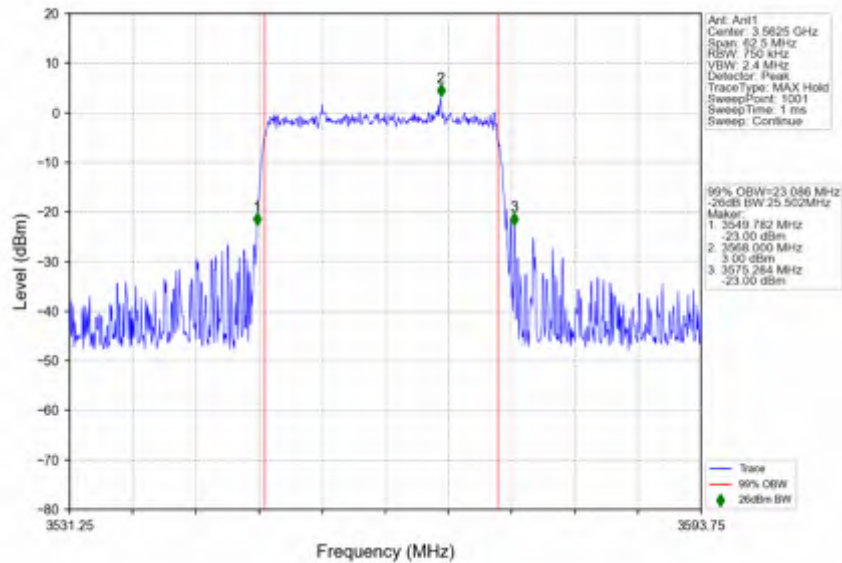
8.4 15k_SISO_25MHz_NTNV

8.4.1 Test Result

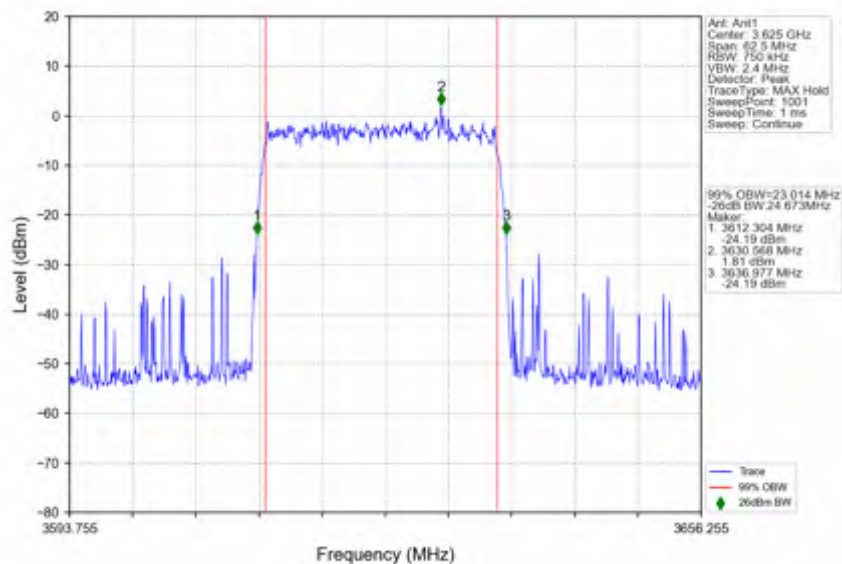
5G NR n78d SCS=15kHz SISO 25MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3562.5	Outer_Full	23.09	25.50	/	Pass
	3625.005	Outer_Full	23.01	24.67	/	Pass
	3687.495	Outer_Full	23.06	24.59	/	Pass
DFT-s-OFDM QPSK	3562.5	Outer_Full	23.16	27.84	/	Pass
	3625.005	Outer_Full	23.03	24.91	/	Pass
	3687.495	Outer_Full	23.02	24.68	/	Pass
DFT-s-OFDM 16 QAM	3562.5	Outer_Full	23.13	25.83	/	Pass
	3625.005	Outer_Full	23.03	24.80	/	Pass
	3687.495	Outer_Full	23.12	24.54	/	Pass
DFT-s-OFDM 64 QAM	3562.5	Outer_Full	23.14	26.00	/	Pass
	3625.005	Outer_Full	23.02	24.69	/	Pass
	3687.495	Outer_Full	23.09	24.75	/	Pass
DFT-s-OFDM 256 QAM	3562.5	Outer_Full	23.09	27.09	/	Pass
	3625.005	Outer_Full	23.04	24.64	/	Pass
	3687.495	Outer_Full	23.05	24.77	/	Pass
CP-OFDM QPSK	3562.5	Outer_Full	23.93	26.18	/	Pass
	3625.005	Outer_Full	23.92	26.15	/	Pass
	3687.495	Outer_Full	23.92	25.69	/	Pass
CP-OFDM 16 QAM	3562.5	Outer_Full	23.96	26.31	/	Pass
	3625.005	Outer_Full	24.00	25.67	/	Pass
	3687.495	Outer_Full	23.93	25.57	/	Pass
CP-OFDM 64 QAM	3562.5	Outer_Full	23.97	26.81	/	Pass
	3625.005	Outer_Full	23.92	25.50	/	Pass
	3687.495	Outer_Full	23.91	25.52	/	Pass
CP-OFDM 256 QAM	3562.5	Outer_Full	23.97	29.07	/	Pass
	3625.005	Outer_Full	23.98	26.88	/	Pass
	3687.495	Outer_Full	23.91	26.04	/	Pass

8.4.2 Test Graph

n78d_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM PI/2 BPSK_3562.5MHz_Outer_Full



n78d_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM PI/2 BPSK_3625.005MHz_Outer_Full



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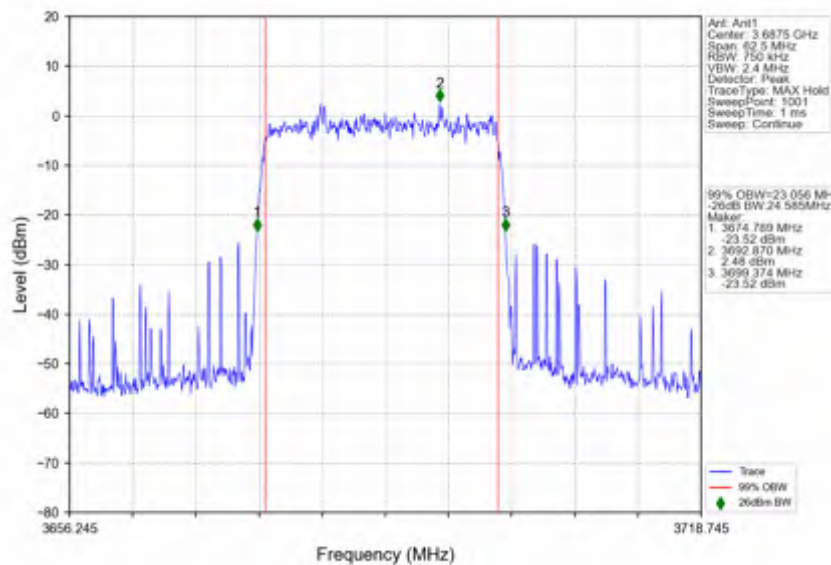
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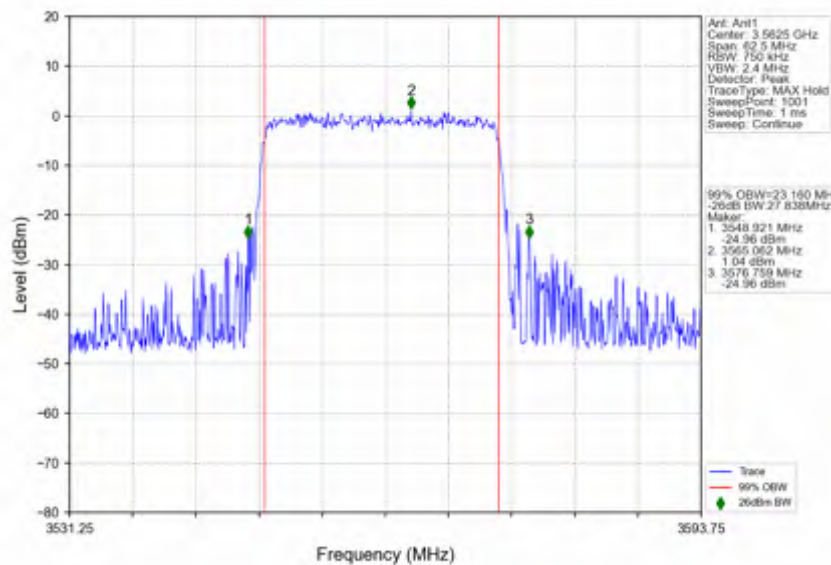
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n78d_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM PI/2 BPSK_3687.495MHz_Outer_Full



n78d_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM QPSK_3562.5MHz_Outer_Full



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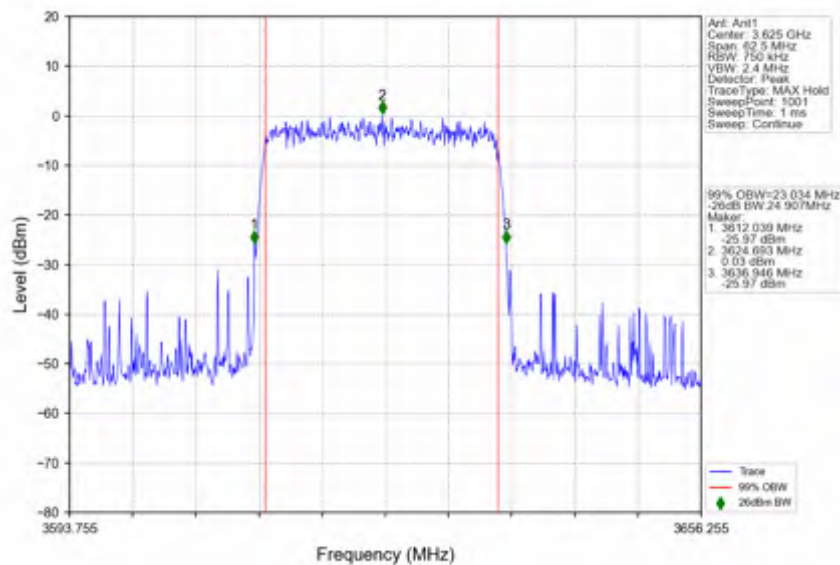
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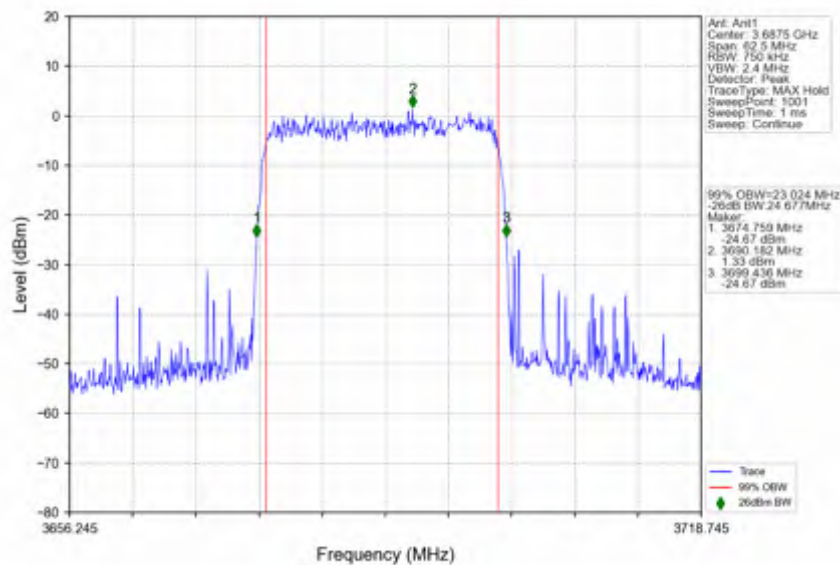
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n78d_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM QPSK_3625.005MHz_Outer_Full



n78d_15kHz_SISO_NTNV_25MHz_DFT-s-OFDM QPSK_3687.495MHz_Outer_Full



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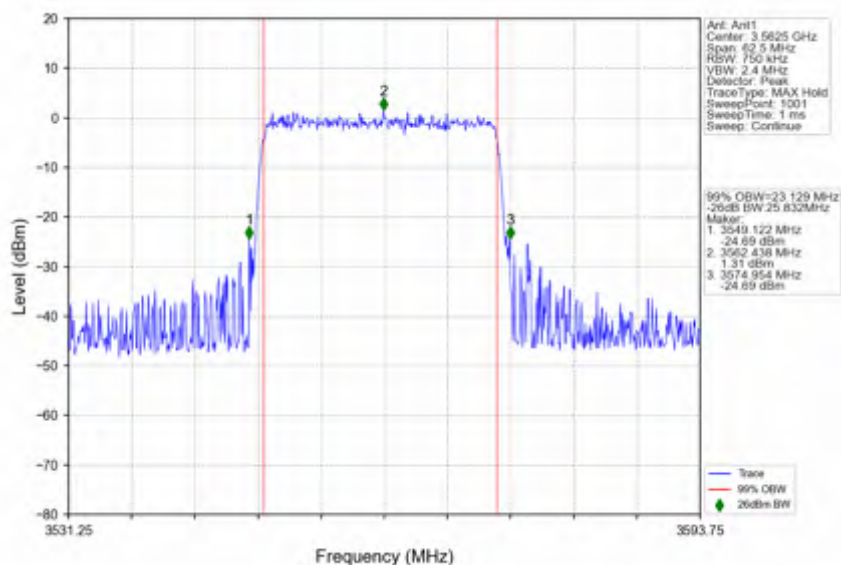
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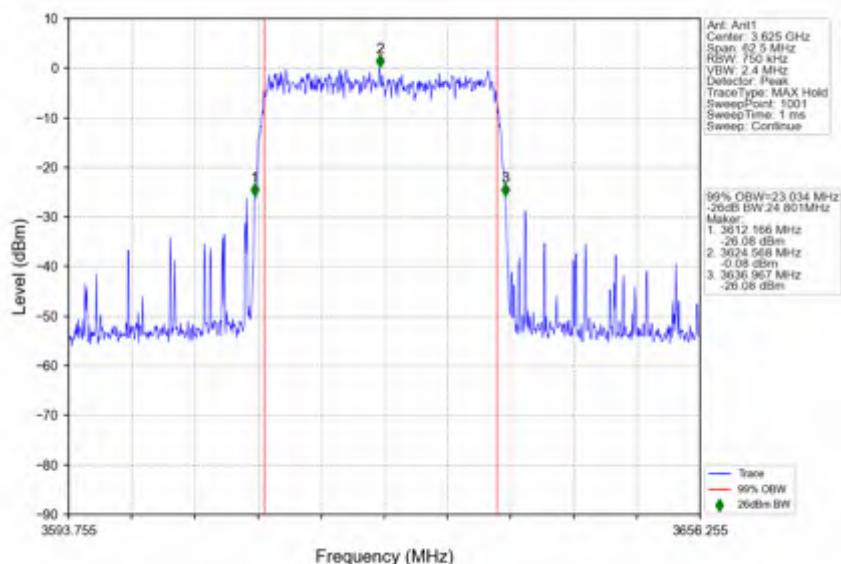
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n78d	15kHz	SISO	NTNV	25MHz	DFT-s-OFDM	16 QAM	3562.5MHz	Outer	Full
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n78d	15kHz	SISO	NTNV	25MHz	DFT-s-OFDM	16	QAM	3625.005MHz	Outer	Full
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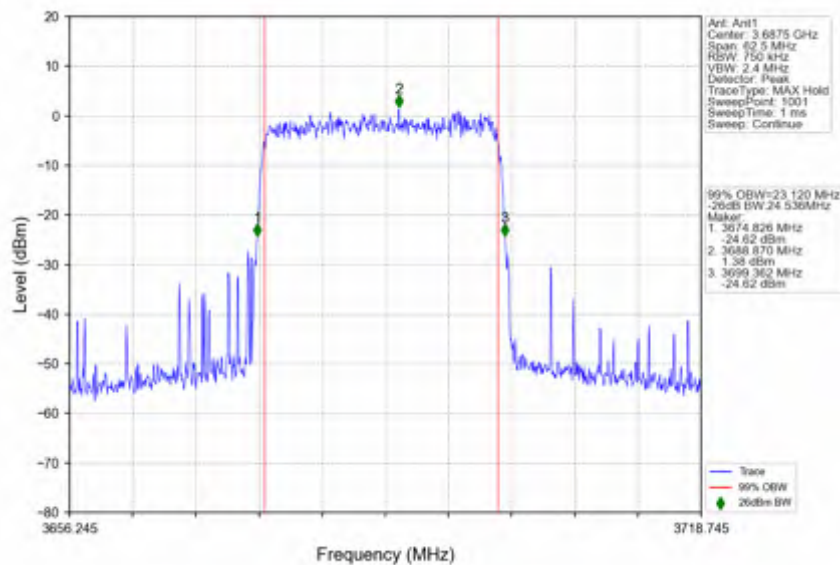


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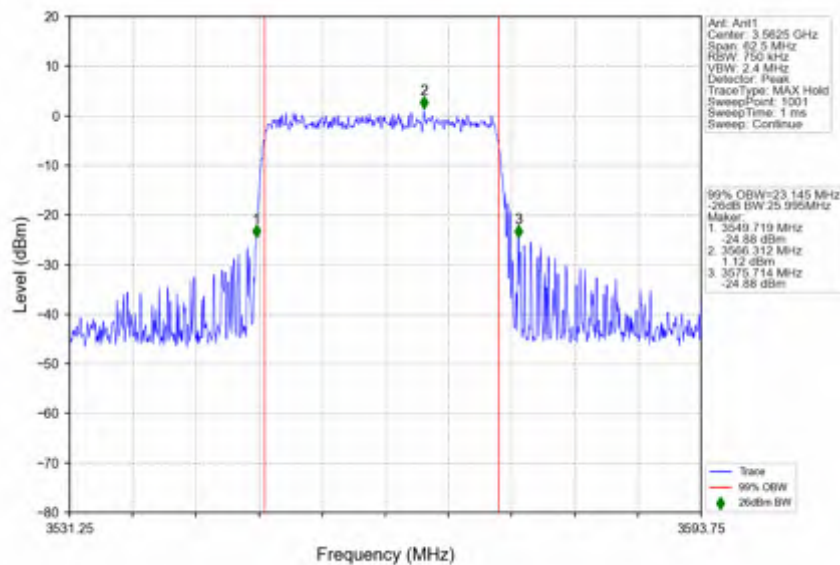
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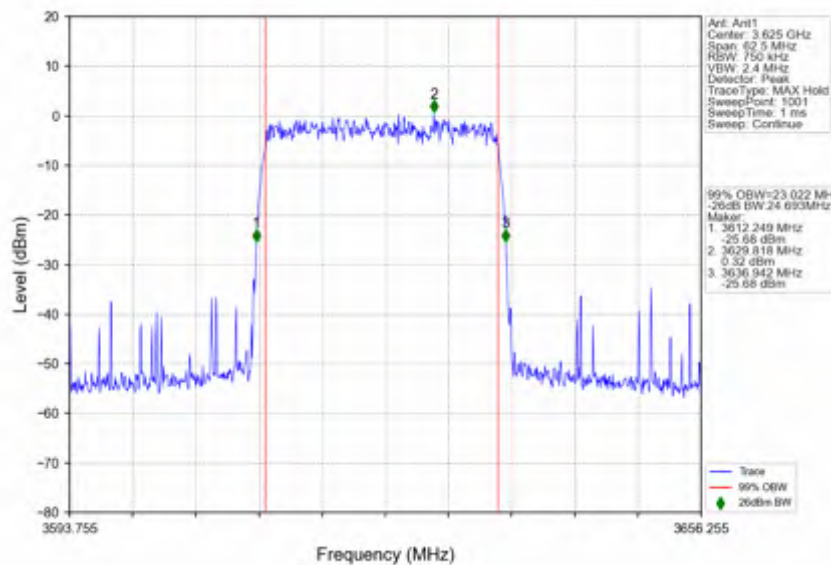


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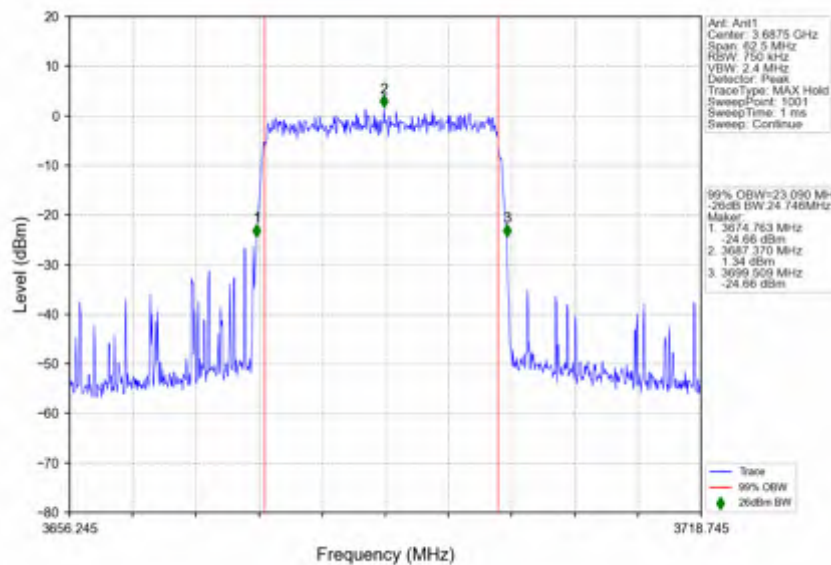
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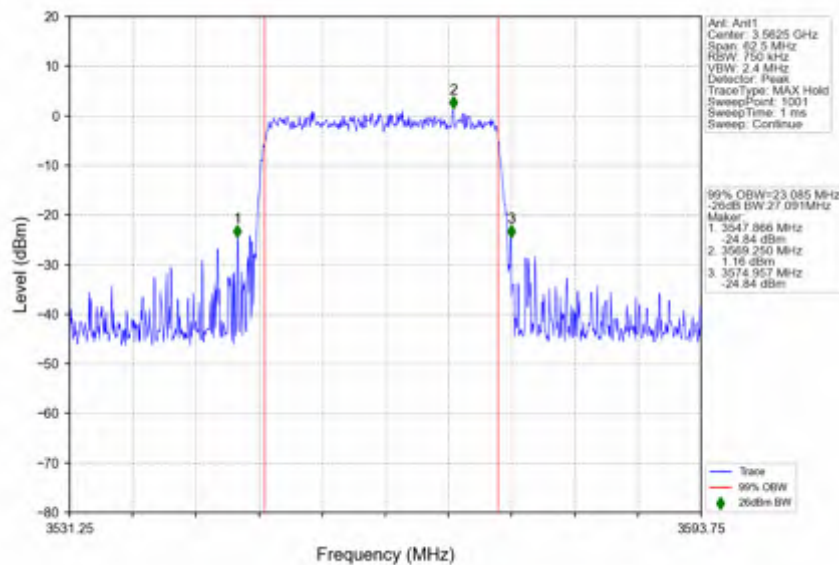
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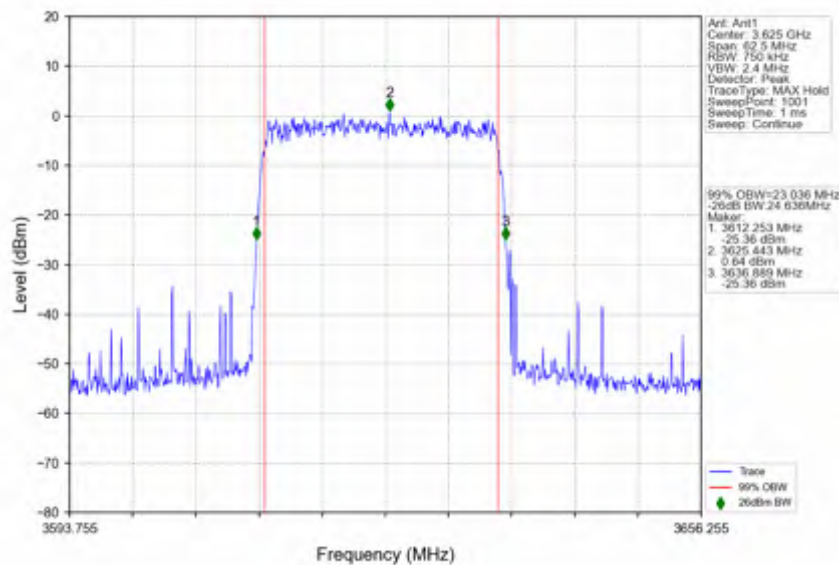
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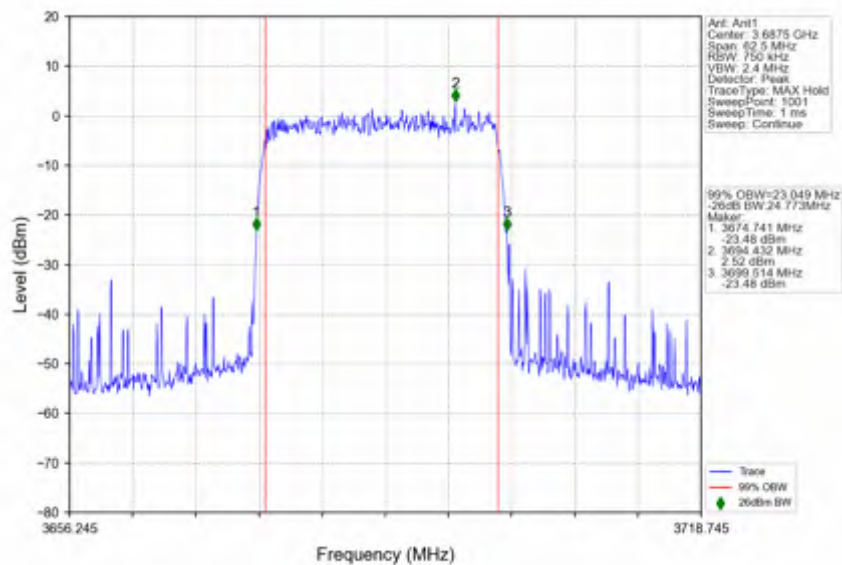


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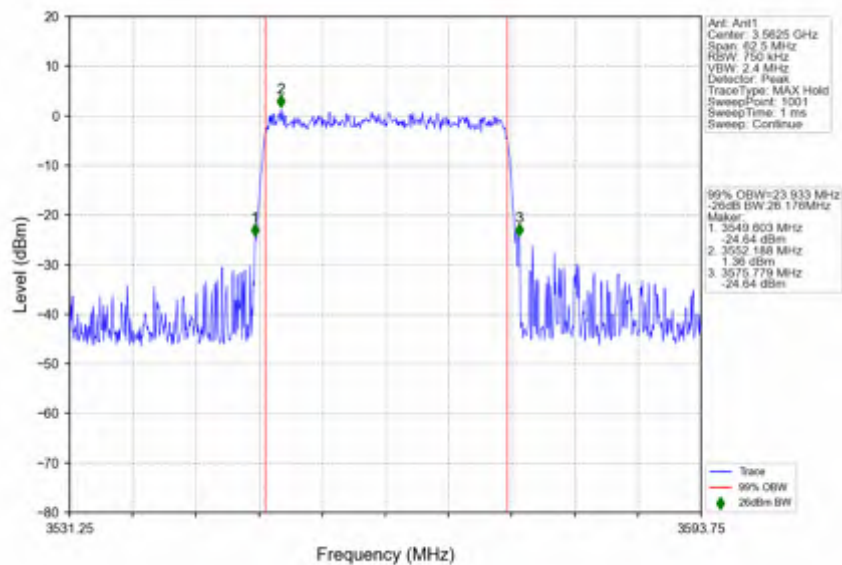
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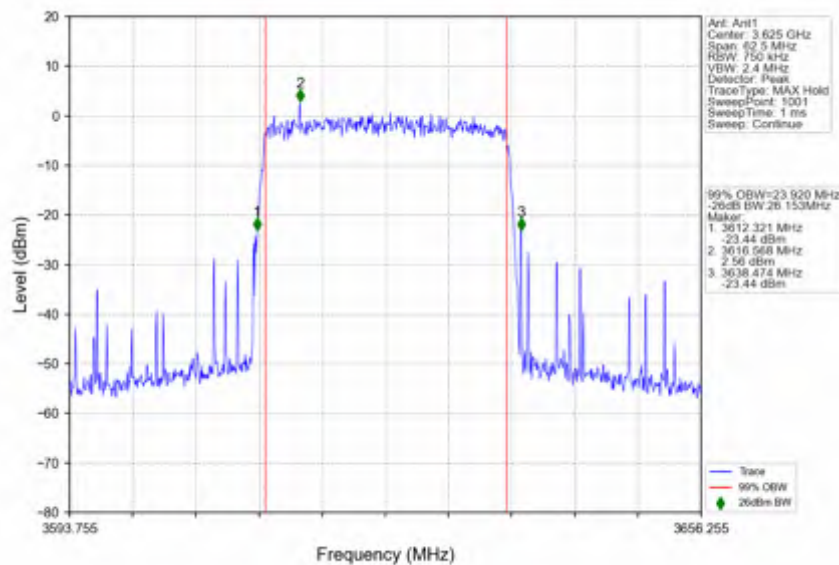
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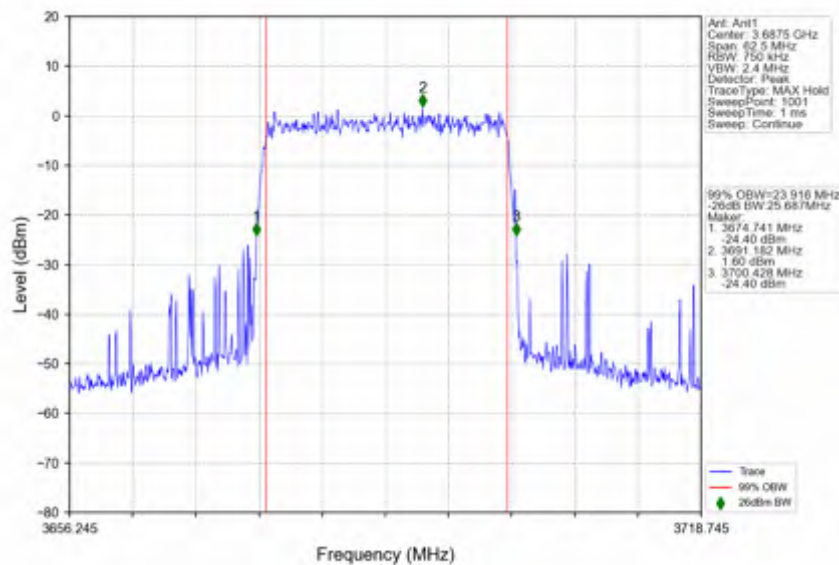
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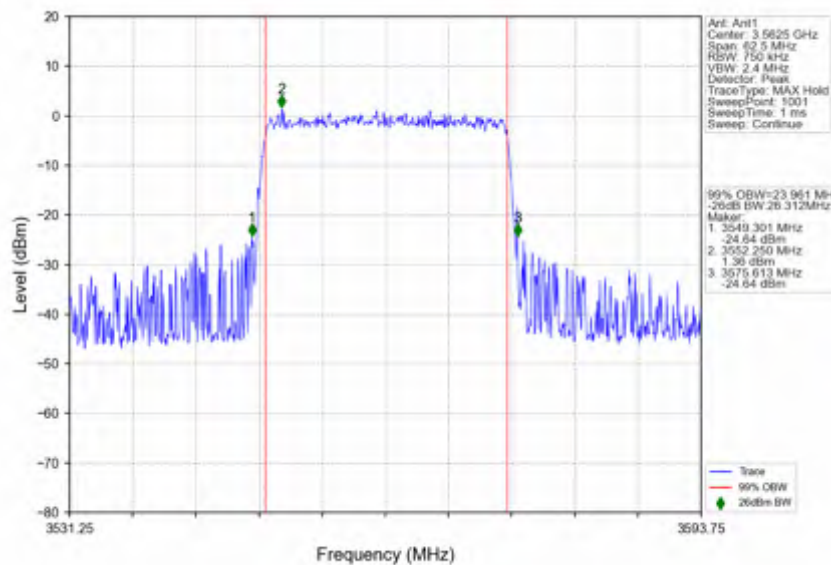
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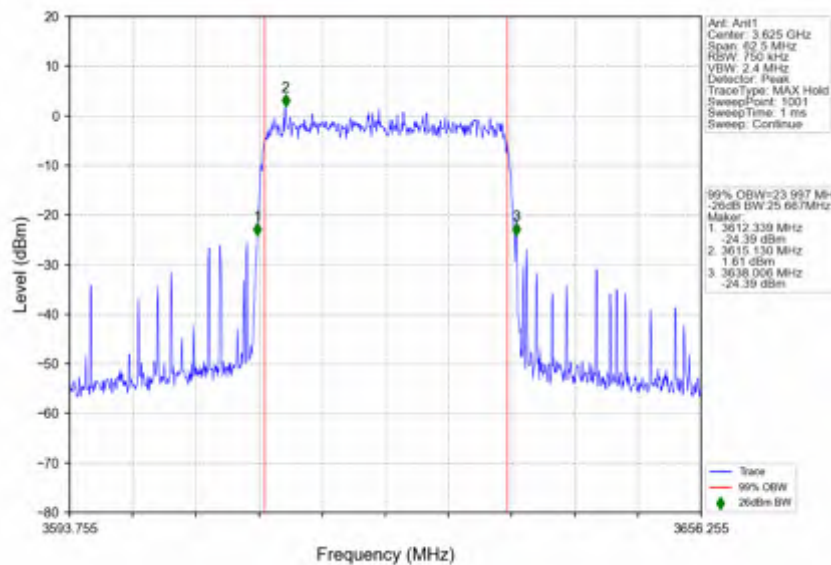
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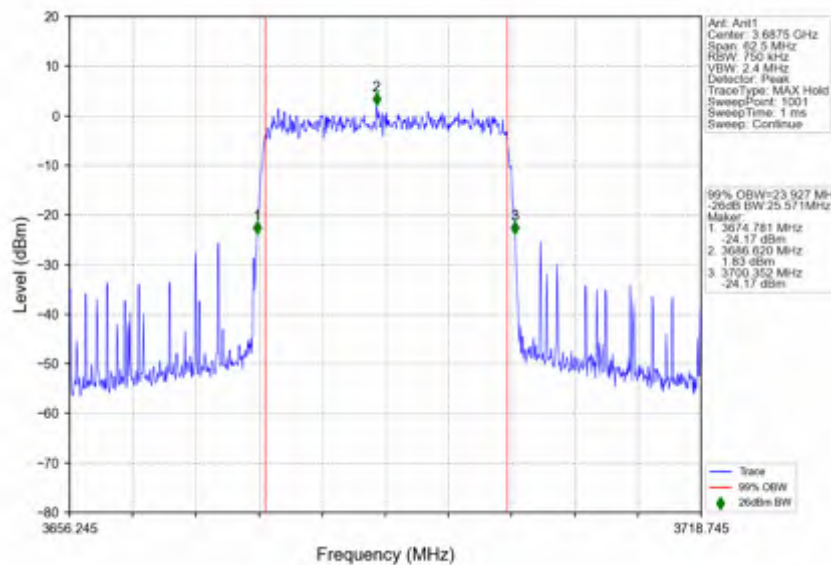
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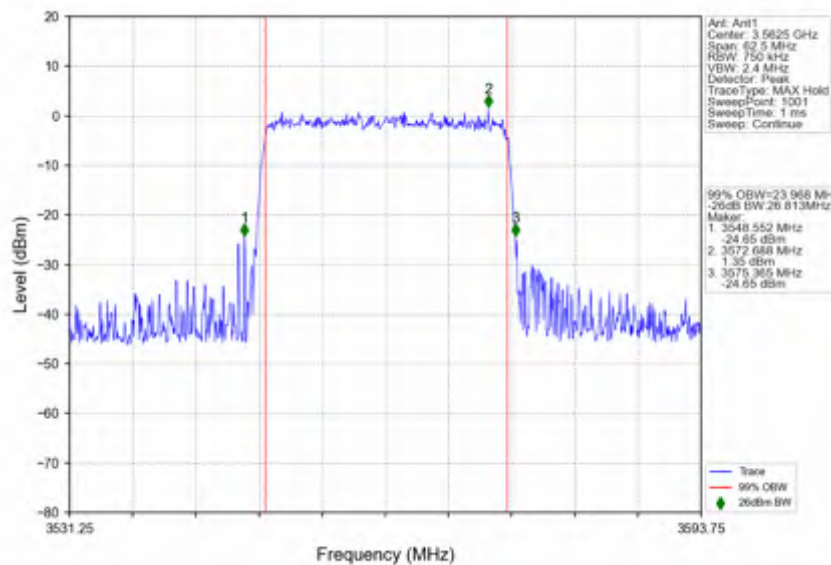
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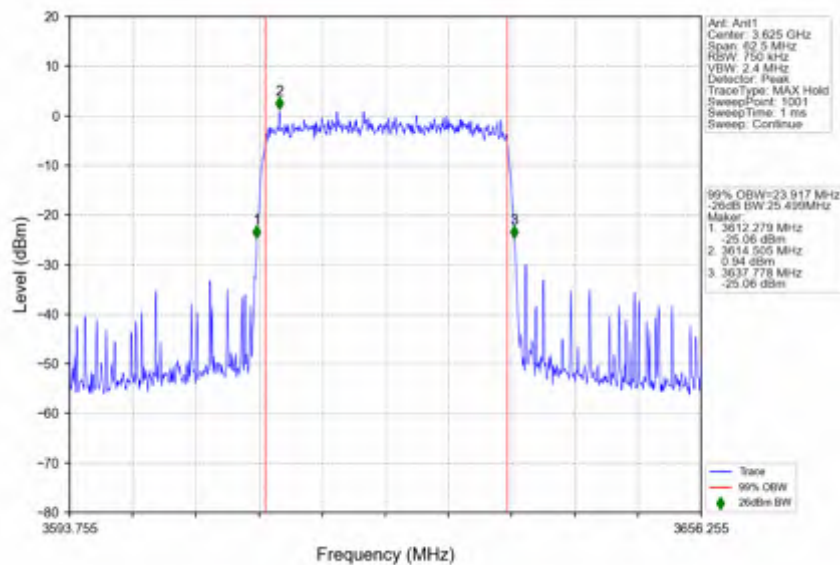
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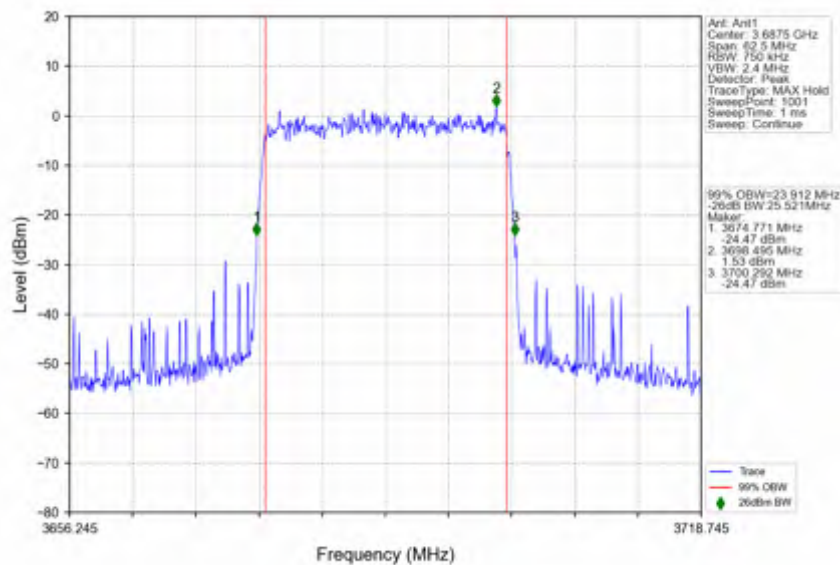
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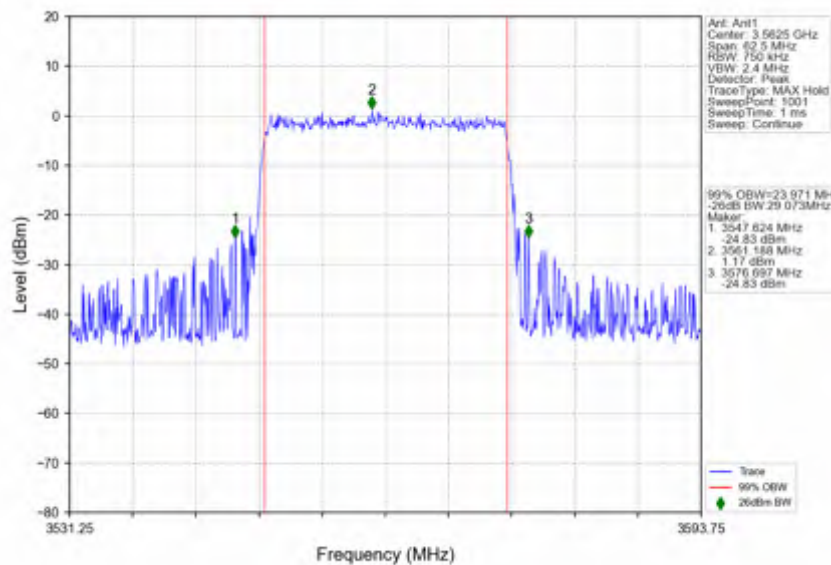
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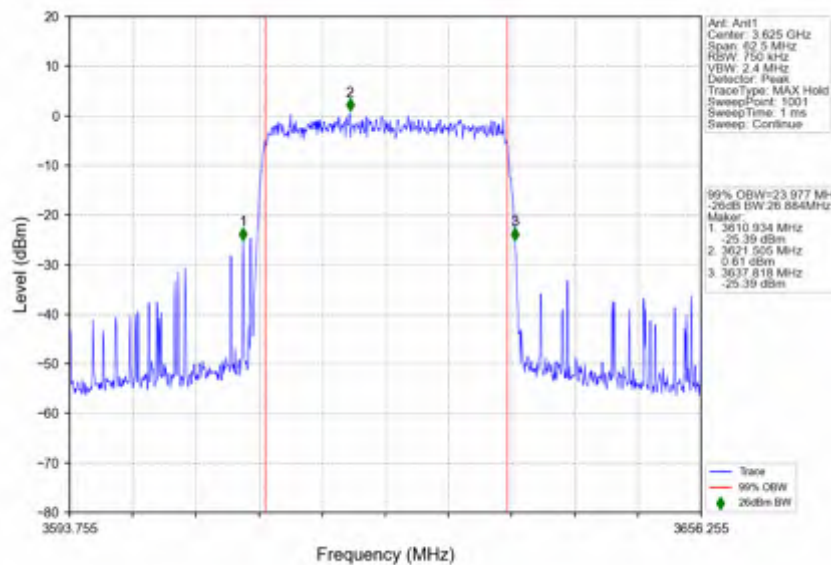
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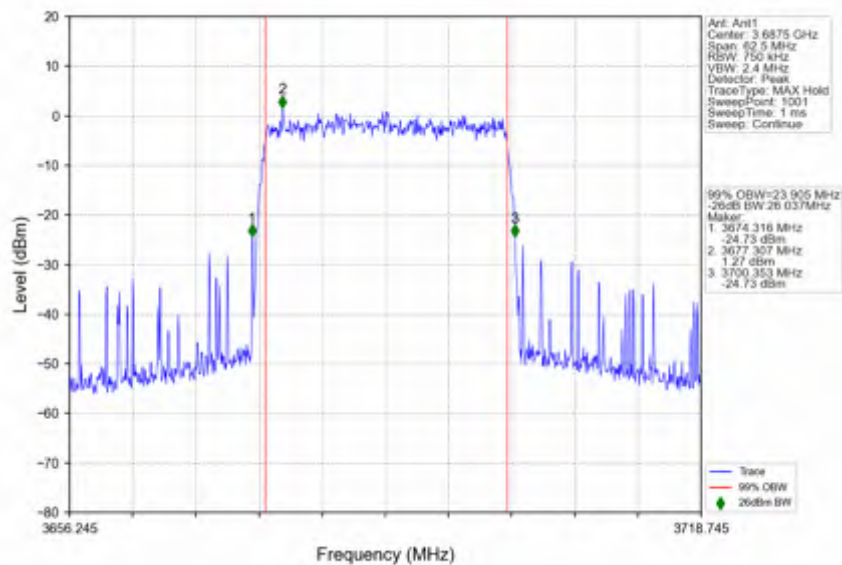
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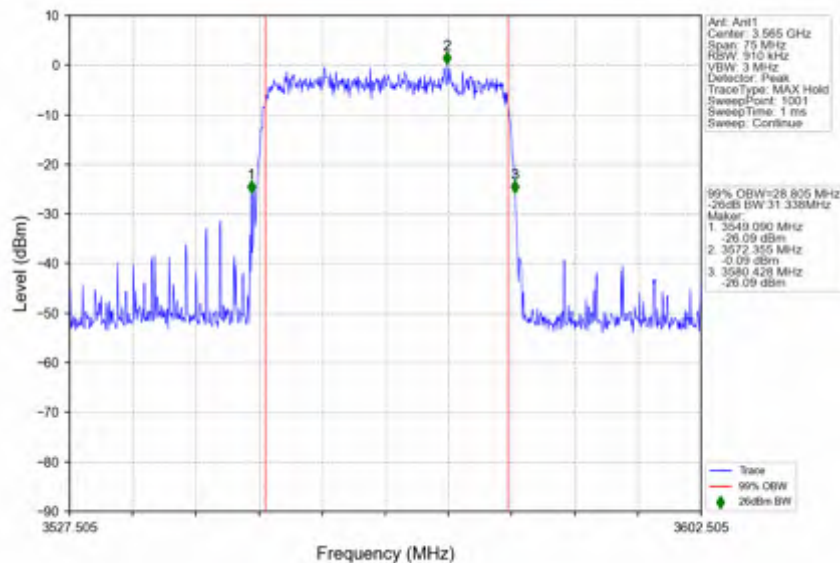
8.5 15k_SISO_30MHz_NTNV

8.5.1 Test Result

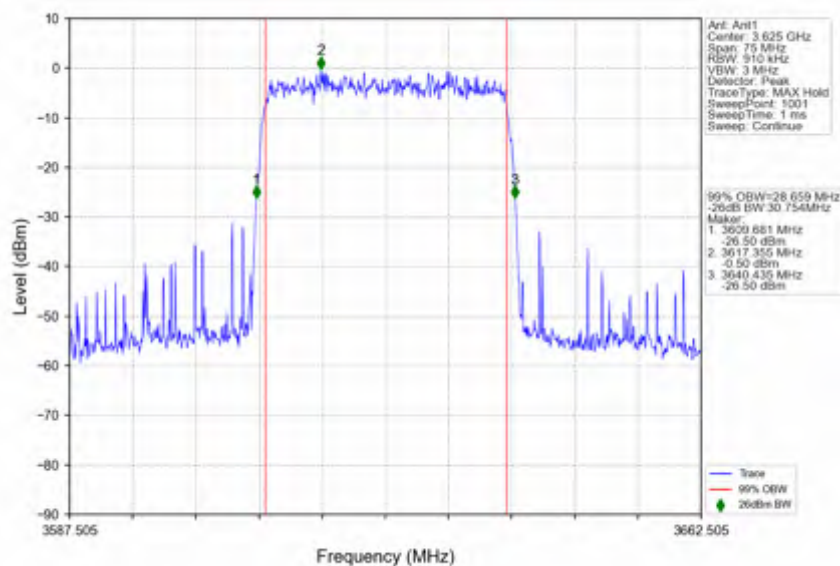
5G NR n78d SCS=15kHz SISO 30MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3565.005	Outer_Full	28.80	31.34	/	Pass
	3625.005	Outer_Full	28.66	30.75	/	Pass
	3684.99	Outer_Full	28.72	30.72	/	Pass
DFT-s-OFDM QPSK	3565.005	Outer_Full	28.73	31.06	/	Pass
	3625.005	Outer_Full	28.91	30.44	/	Pass
	3684.99	Outer_Full	29.02	30.78	/	Pass
DFT-s-OFDM 16 QAM	3565.005	Outer_Full	28.78	30.73	/	Pass
	3625.005	Outer_Full	28.76	30.89	/	Pass
	3684.99	Outer_Full	28.64	30.72	/	Pass
DFT-s-OFDM 64 QAM	3565.005	Outer_Full	28.70	30.64	/	Pass
	3625.005	Outer_Full	28.58	30.77	/	Pass
	3684.99	Outer_Full	28.70	30.76	/	Pass
DFT-s-OFDM 256 QAM	3565.005	Outer_Full	28.81	30.68	/	Pass
	3625.005	Outer_Full	28.68	30.74	/	Pass
	3684.99	Outer_Full	28.72	30.75	/	Pass
CP-OFDM QPSK	3565.005	Outer_Full	28.82	30.76	/	Pass
	3625.005	Outer_Full	28.80	30.82	/	Pass
	3684.99	Outer_Full	28.81	30.67	/	Pass
CP-OFDM 16 QAM	3565.005	Outer_Full	28.73	30.75	/	Pass
	3625.005	Outer_Full	28.65	31.03	/	Pass
	3684.99	Outer_Full	28.78	30.74	/	Pass
CP-OFDM 64 QAM	3565.005	Outer_Full	28.83	30.70	/	Pass
	3625.005	Outer_Full	28.69	30.73	/	Pass
	3684.99	Outer_Full	28.68	30.61	/	Pass
CP-OFDM 256 QAM	3565.005	Outer_Full	28.79	30.82	/	Pass
	3625.005	Outer_Full	28.83	30.79	/	Pass
	3684.99	Outer_Full	28.73	30.69	/	Pass

8.5.2 Test Graph

n78d_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM_PI/2_BPSK_3565.005MHz_Outer_Full



n78d_15kHz_SISO_NTNV_30MHz_DFT-s-OFDM_PI/2_BPSK_3625.005MHz_Outer_Full



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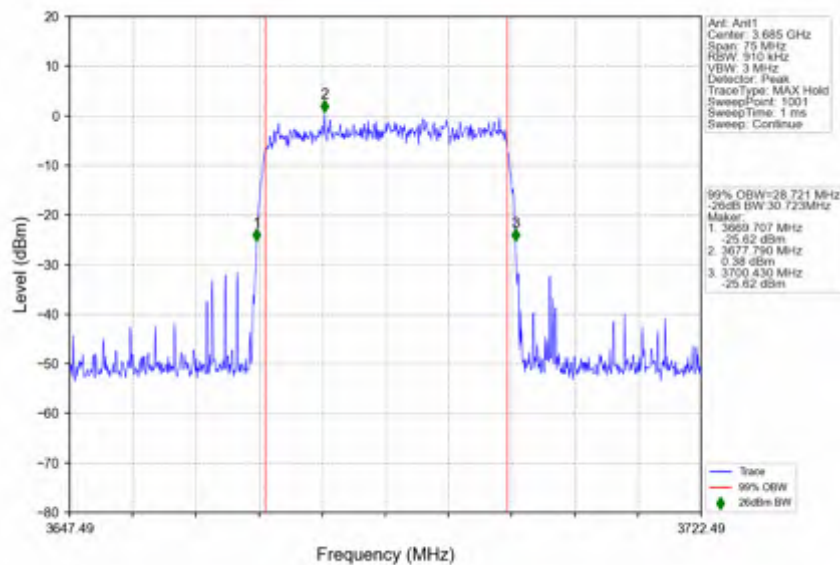
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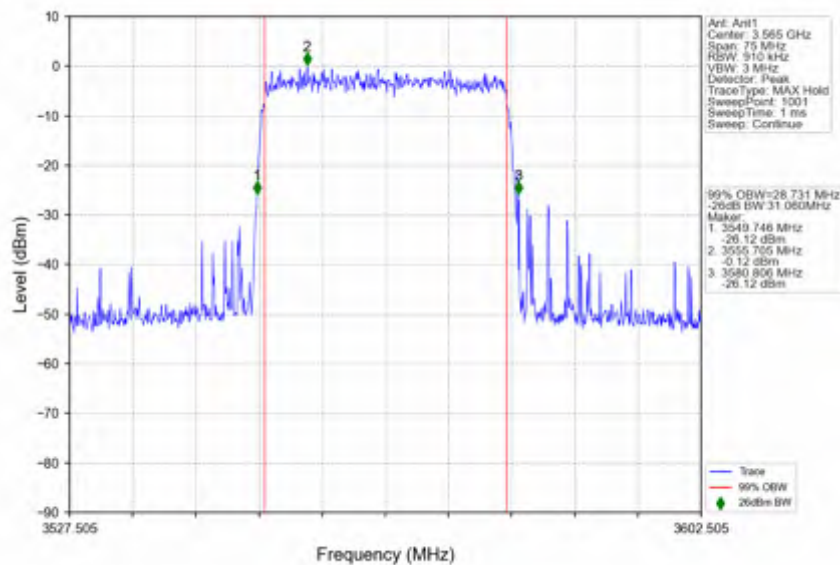
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n78d 15kHz SISO NTNv 30MHz DFT-s-OFDM QPSK 3565.005MHz Outer Full

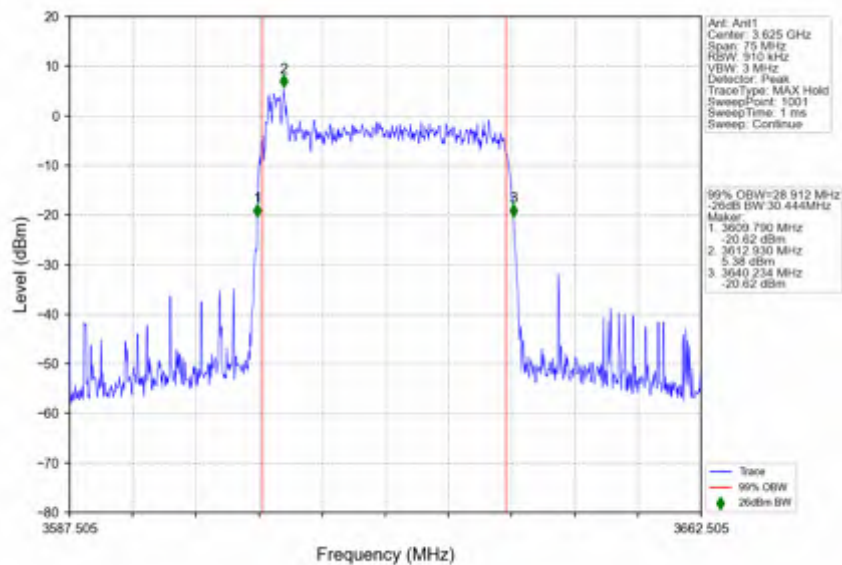


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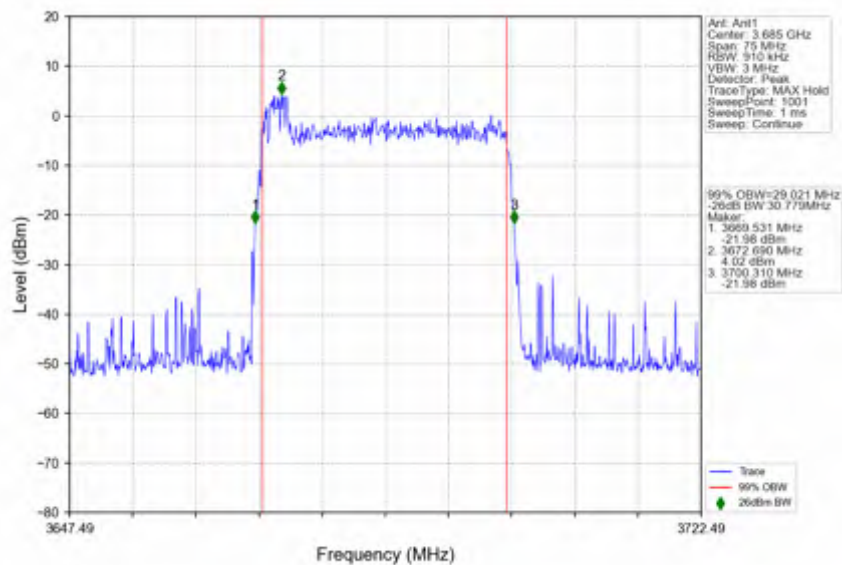
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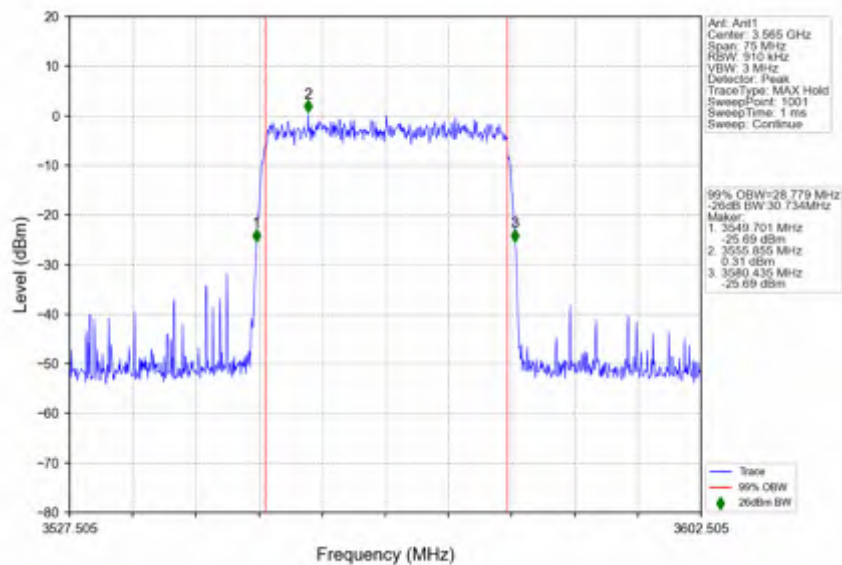
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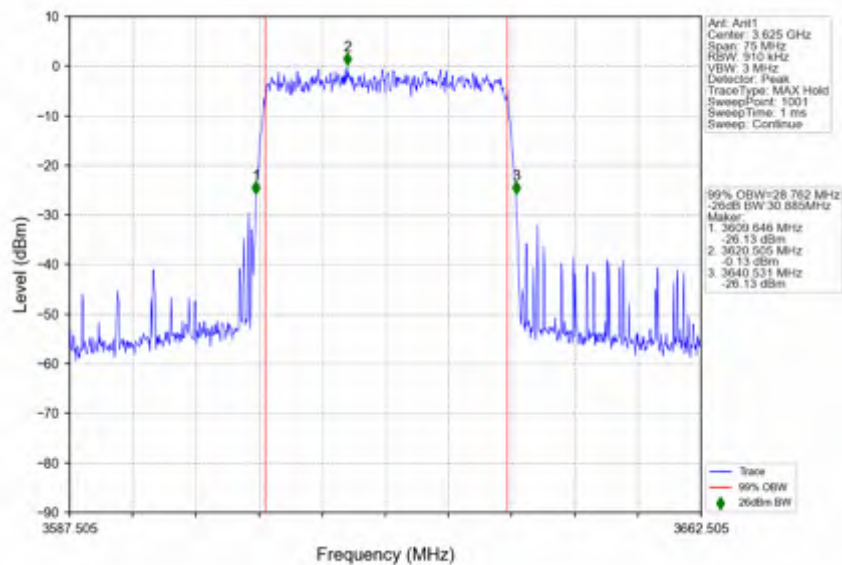
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n78d	15kHz	SISO	NTNV	30MHz	DFT-s-OFDM	16 QAM	3625.005MHz	Outer	Full
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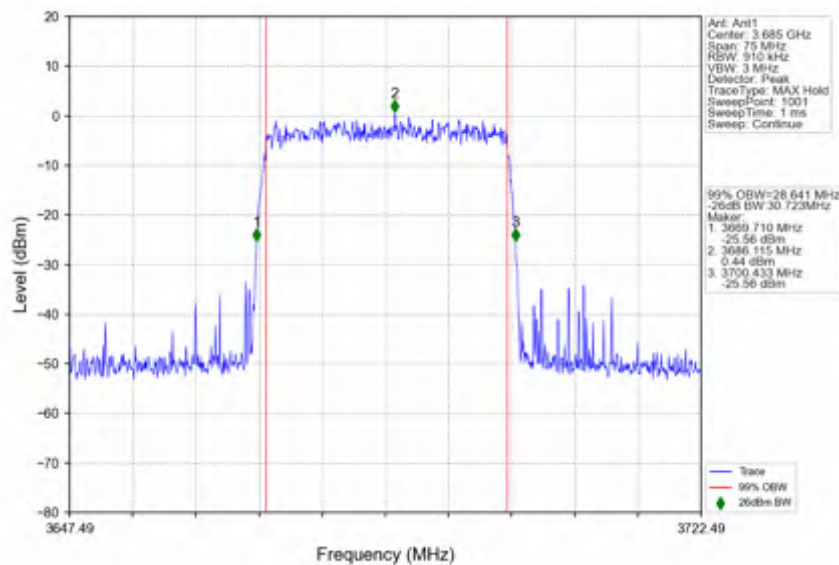


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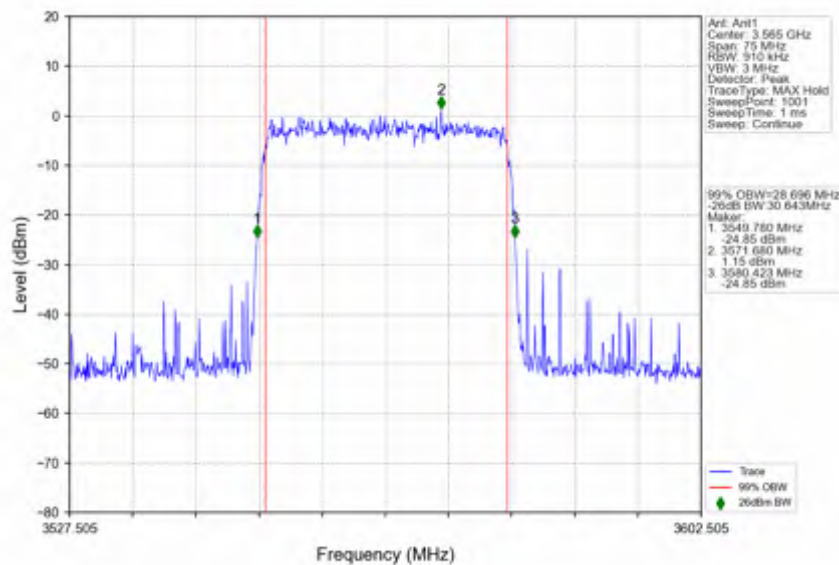
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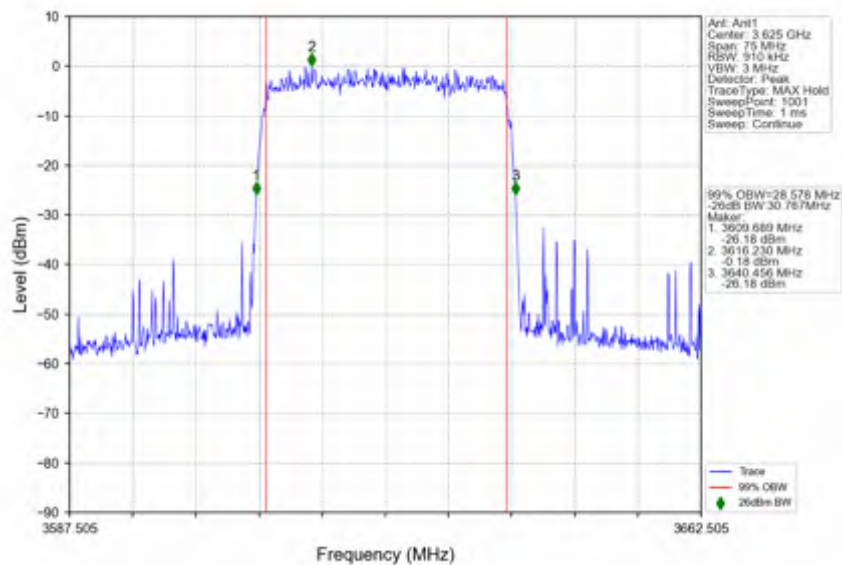
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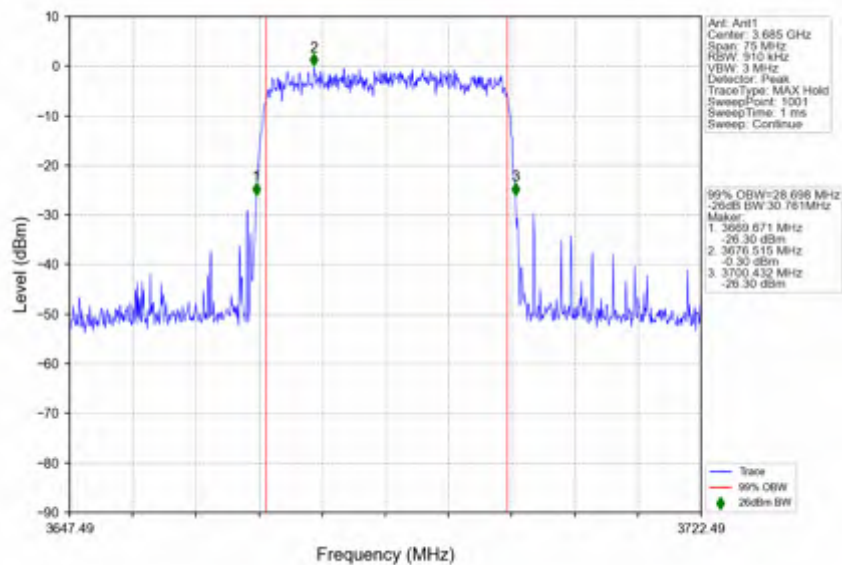
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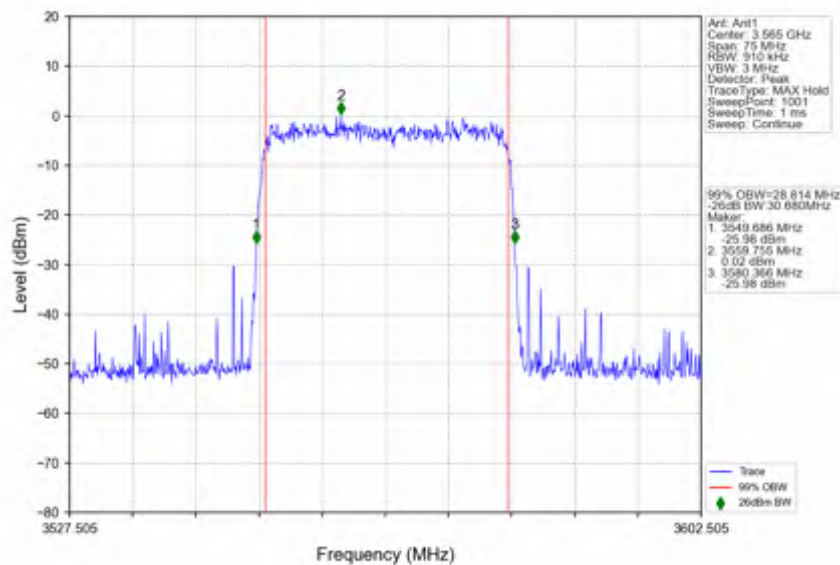


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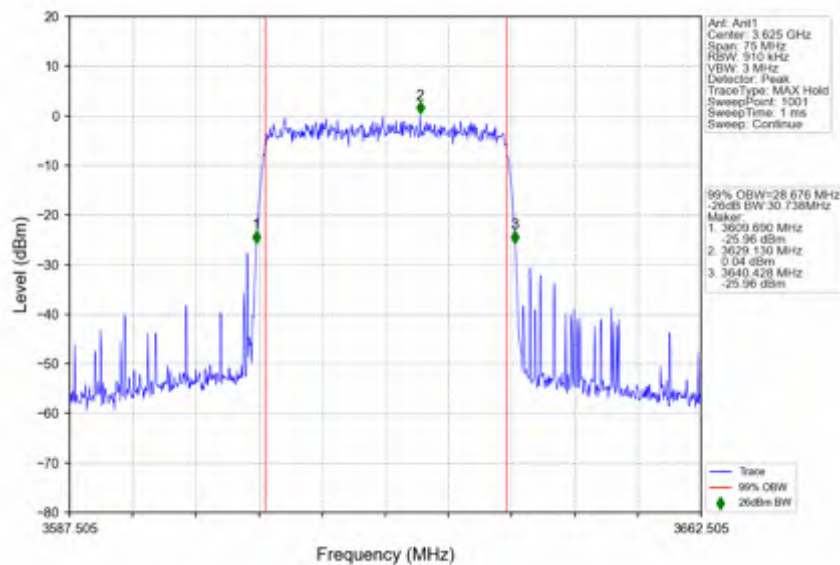
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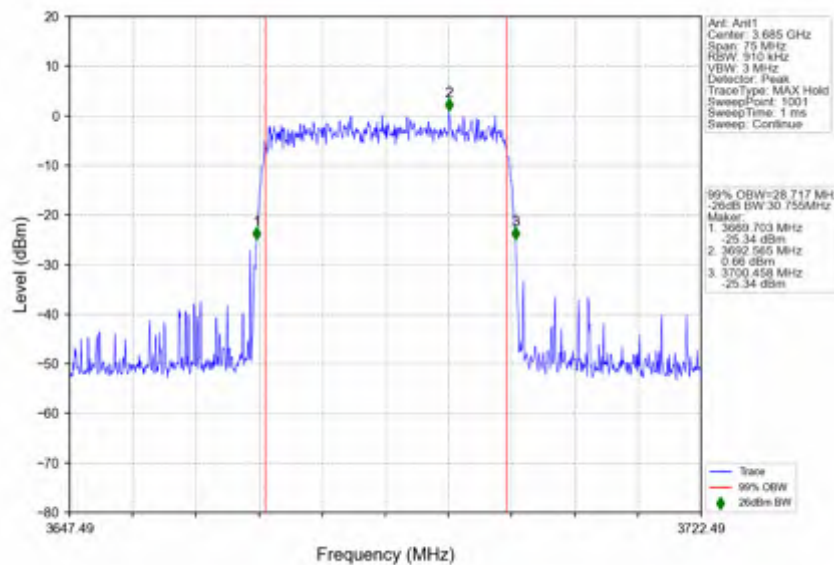


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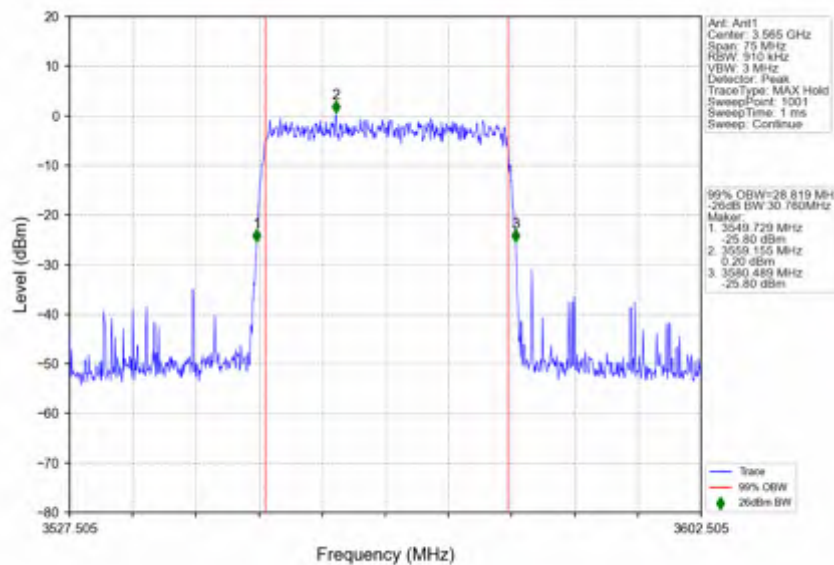
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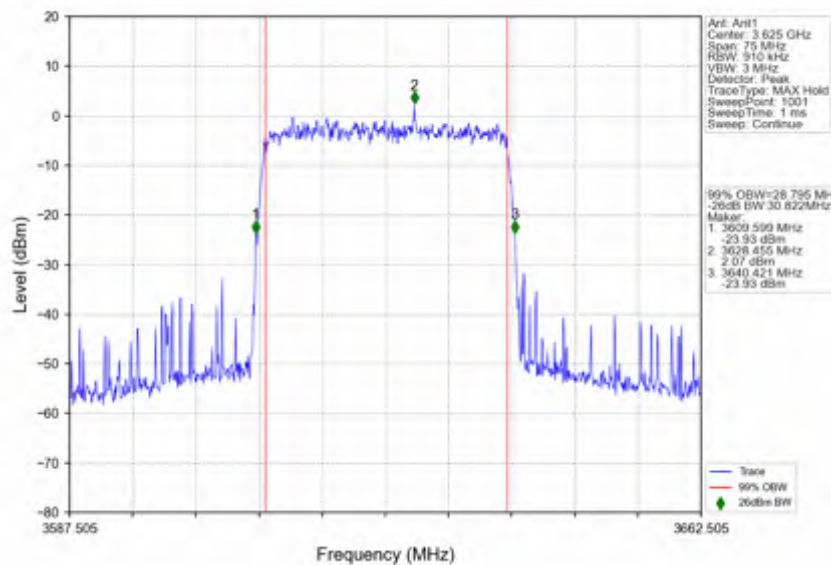
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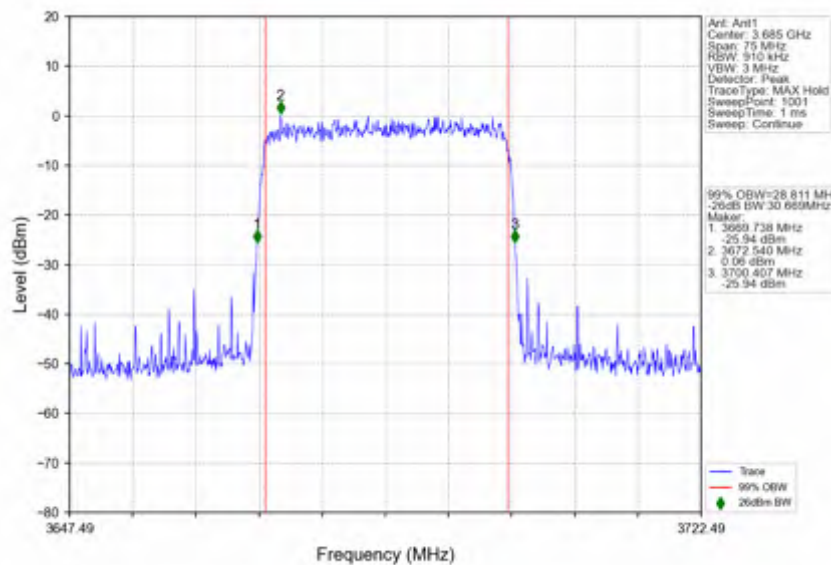
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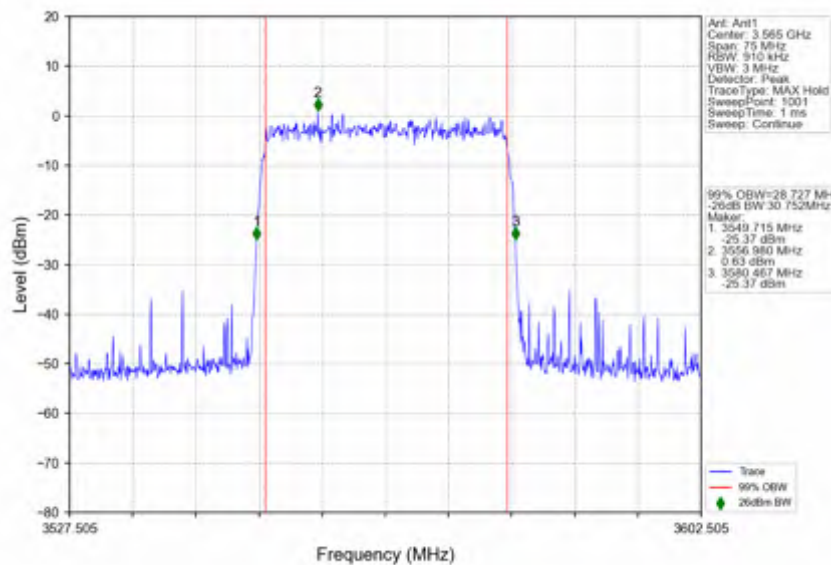
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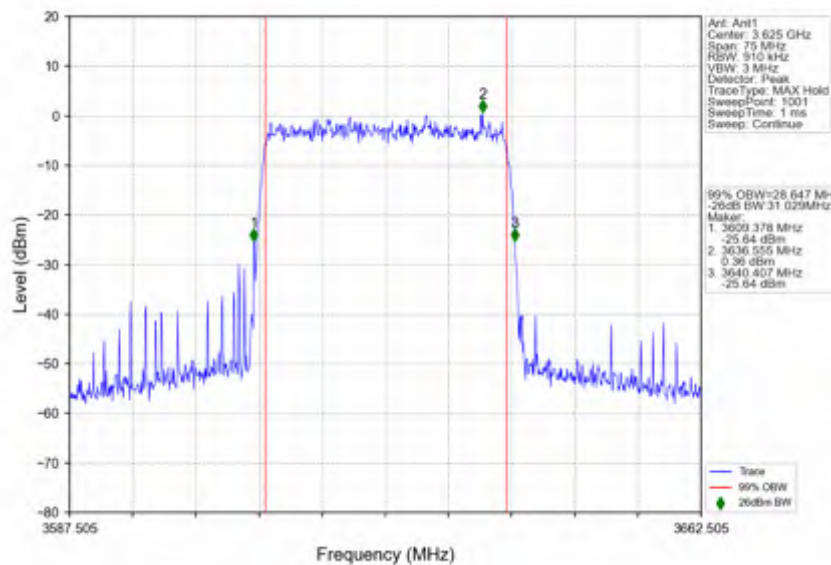
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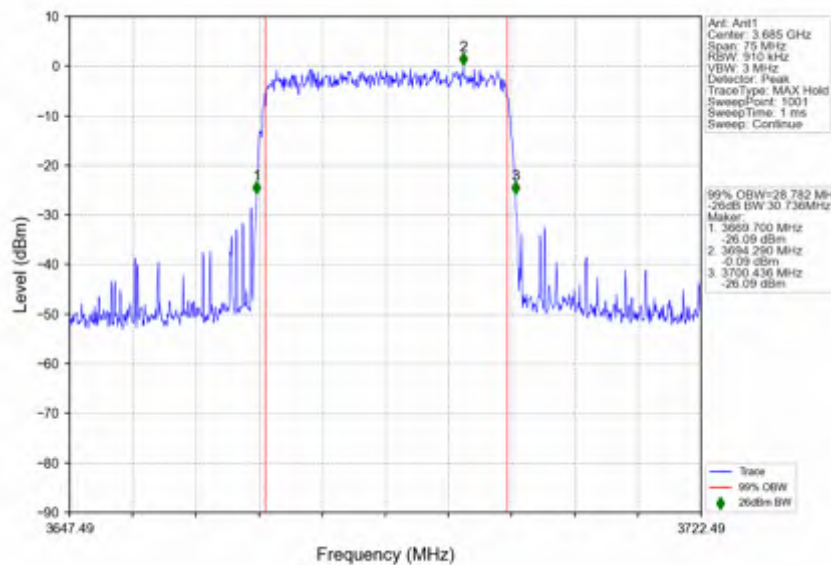
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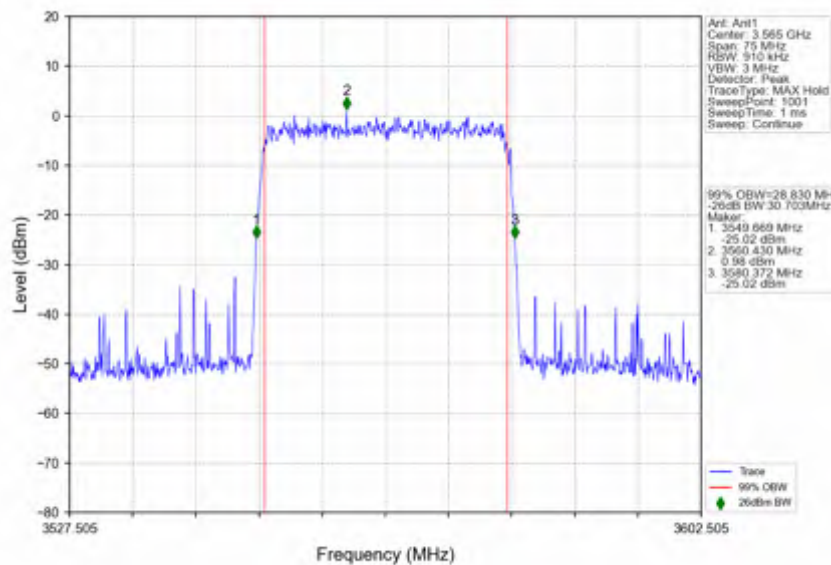
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n78d_15kHz_SISO_NTNV_30MHz_CP-OFDM 16 QAM_3684.99MHz_Outer_Full



n78d_15kHz_SISO_NTNV_30MHz_CP-OFDM 64 QAM_3565.005MHz_Outer_Full



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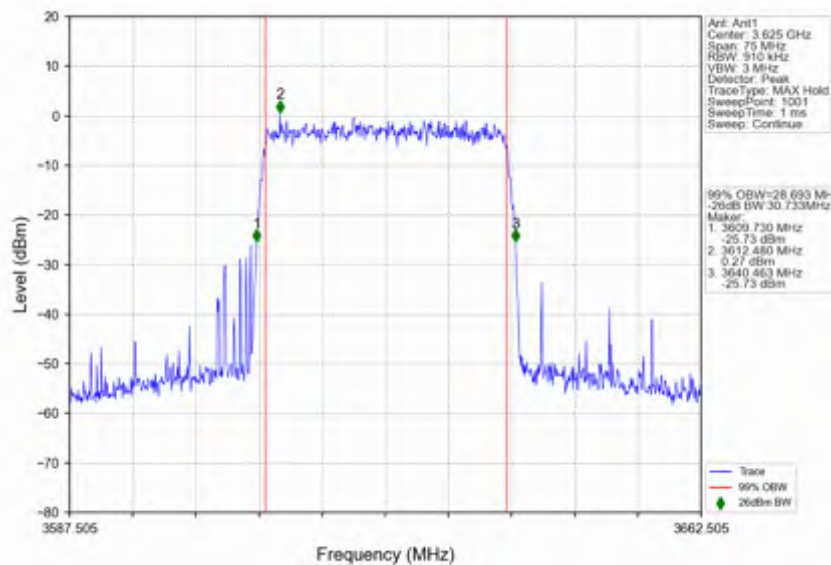
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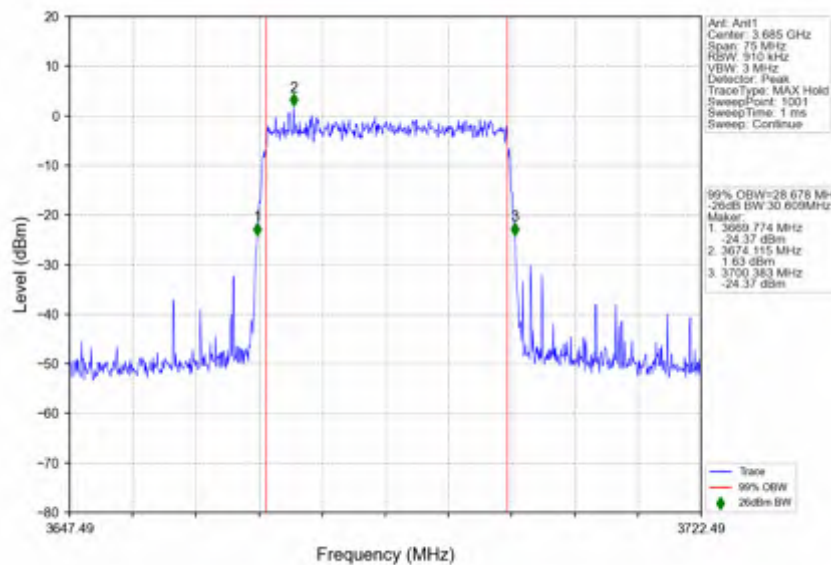
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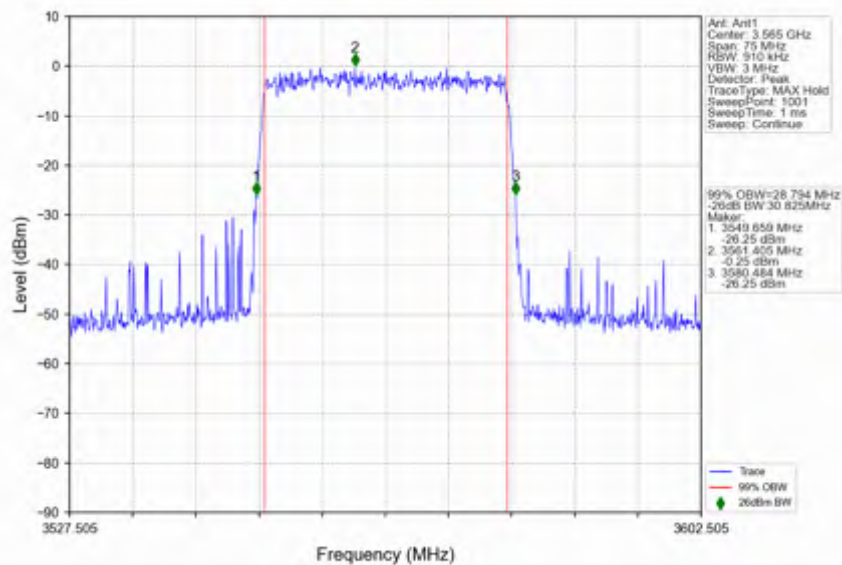


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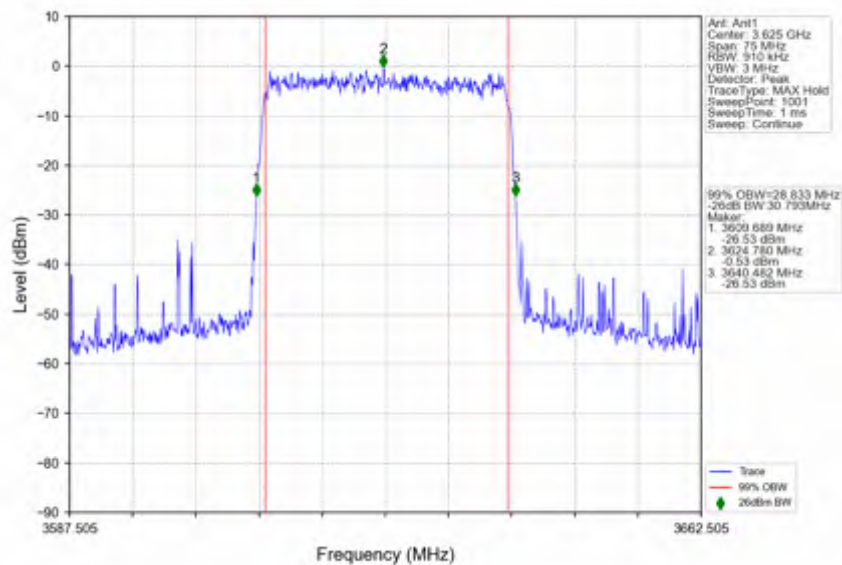
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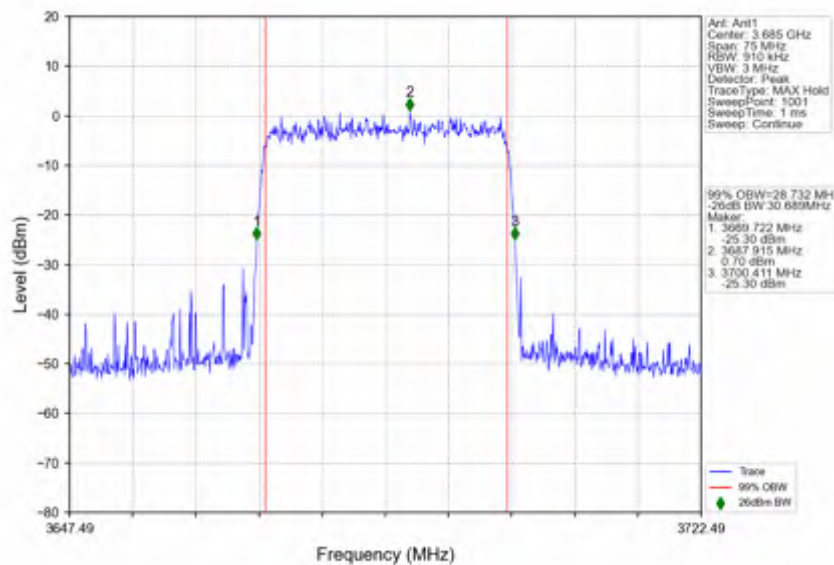


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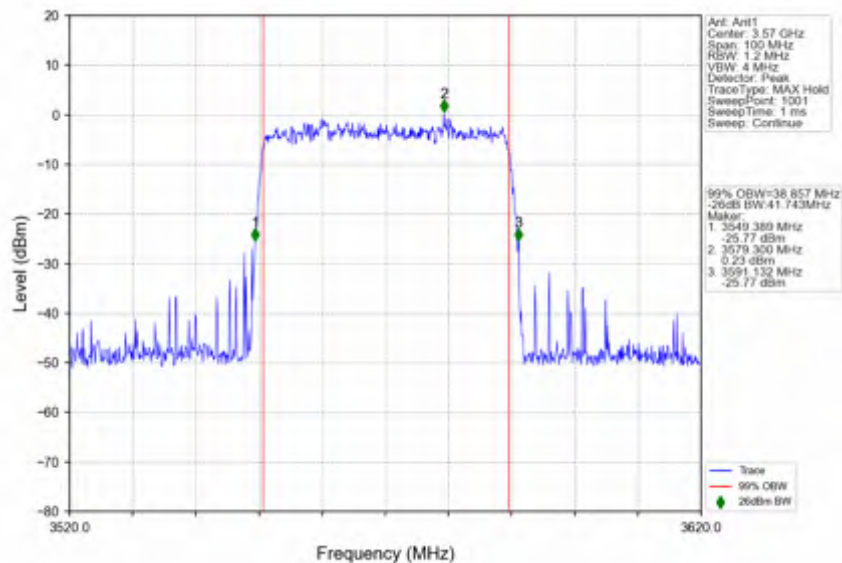
8.6 15k_SISO_40MHz_NTNV

8.6.1 Test Result

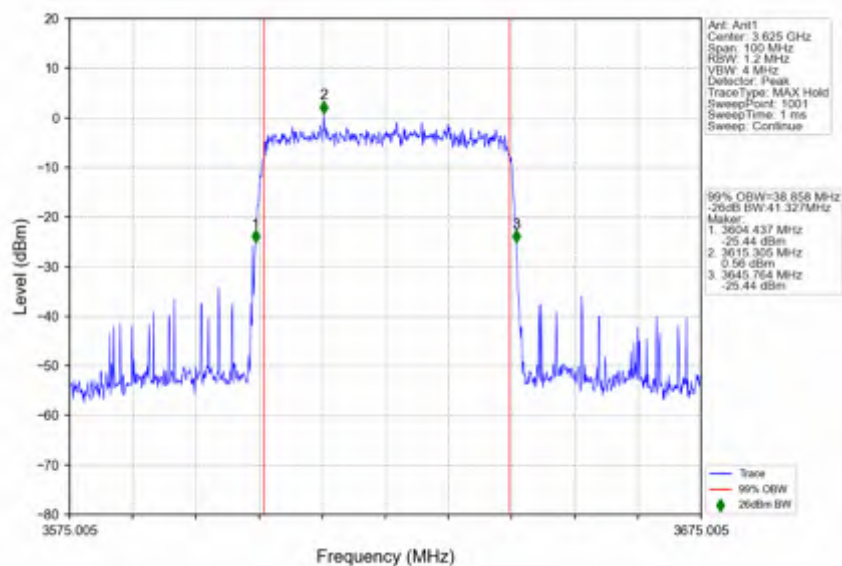
5G NR n78d SCS=15kHz SISO 40MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3570	Outer_Full	38.86	41.74	/	Pass
	3625.005	Outer_Full	38.86	41.33	/	Pass
	3679.995	Outer_Full	38.70	41.26	/	Pass
DFT-s-OFDM QPSK	3570	Outer_Full	38.77	41.41	/	Pass
	3625.005	Outer_Full	38.77	41.35	/	Pass
	3679.995	Outer_Full	38.81	41.87	/	Pass
DFT-s-OFDM 16 QAM	3570	Outer_Full	38.80	41.40	/	Pass
	3625.005	Outer_Full	38.78	41.74	/	Pass
	3679.995	Outer_Full	38.85	41.37	/	Pass
DFT-s-OFDM 64 QAM	3570	Outer_Full	38.92	42.06	/	Pass
	3625.005	Outer_Full	38.88	43.07	/	Pass
	3679.995	Outer_Full	38.71	41.39	/	Pass
DFT-s-OFDM 256 QAM	3570	Outer_Full	38.85	41.56	/	Pass
	3625.005	Outer_Full	38.88	41.38	/	Pass
	3679.995	Outer_Full	38.70	41.62	/	Pass
CP-OFDM QPSK	3570	Outer_Full	38.78	45.44	/	Pass
	3625.005	Outer_Full	38.85	41.26	/	Pass
	3679.995	Outer_Full	38.74	41.85	/	Pass
CP-OFDM 16 QAM	3570	Outer_Full	38.82	41.41	/	Pass
	3625.005	Outer_Full	38.73	41.26	/	Pass
	3679.995	Outer_Full	38.72	41.33	/	Pass
CP-OFDM 64 QAM	3570	Outer_Full	38.69	42.51	/	Pass
	3625.005	Outer_Full	38.68	41.44	/	Pass
	3679.995	Outer_Full	38.82	41.42	/	Pass
CP-OFDM 256 QAM	3570	Outer_Full	38.68	41.28	/	Pass
	3625.005	Outer_Full	38.73	41.40	/	Pass
	3679.995	Outer_Full	38.71	42.91	/	Pass

8.6.2 Test Graph

n78d_15kHz_SISO_NTNV_40MHz_DFT-s-OFDM_PI/2_BPSK_3570MHz_Outer_Full



n78d_15kHz_SISO_NTNV_40MHz_DFT-s-OFDM_PI/2_BPSK_3625.005MHz_Outer_Full



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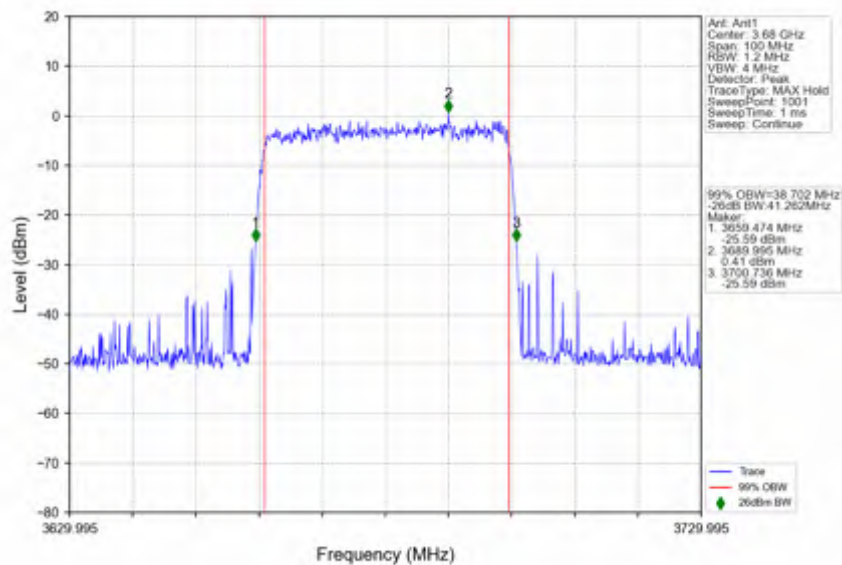
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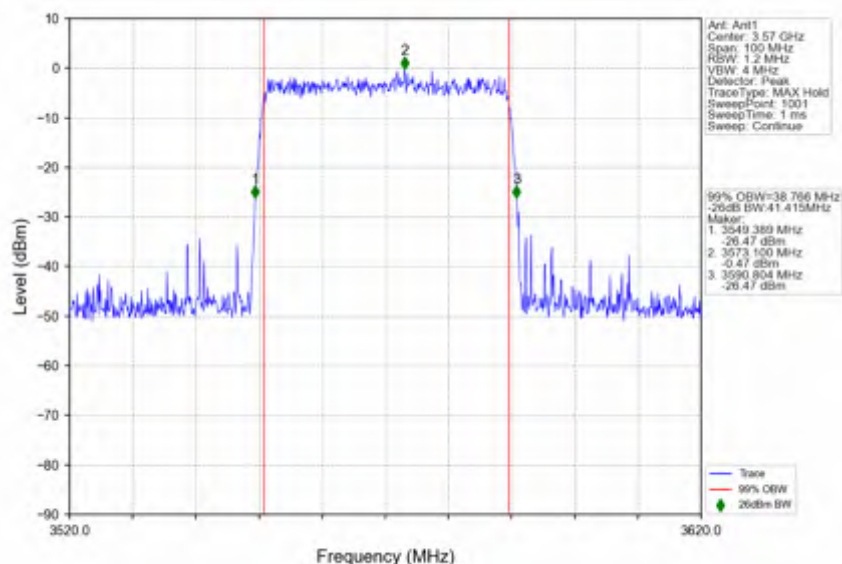
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n78d 15kHz SISO NTNv 40MHz DFT-s-OFDM QPSK 3570MHz Outer Full

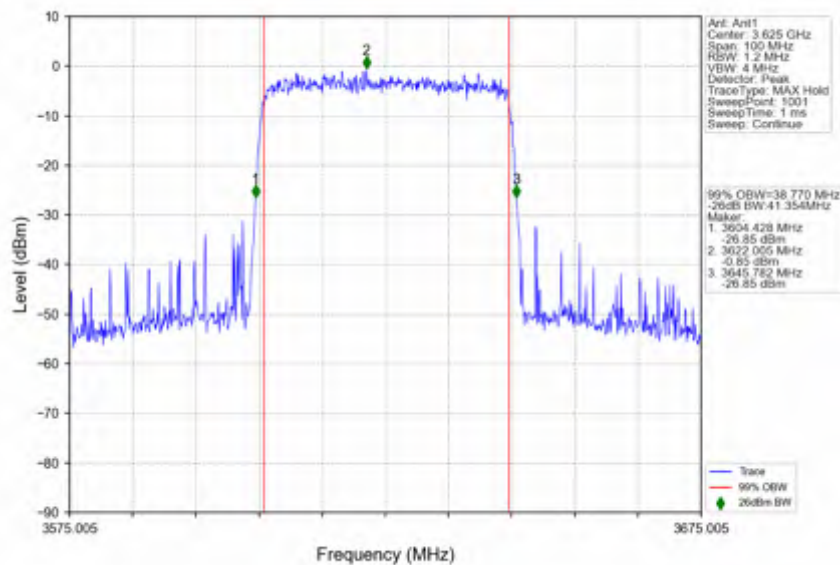


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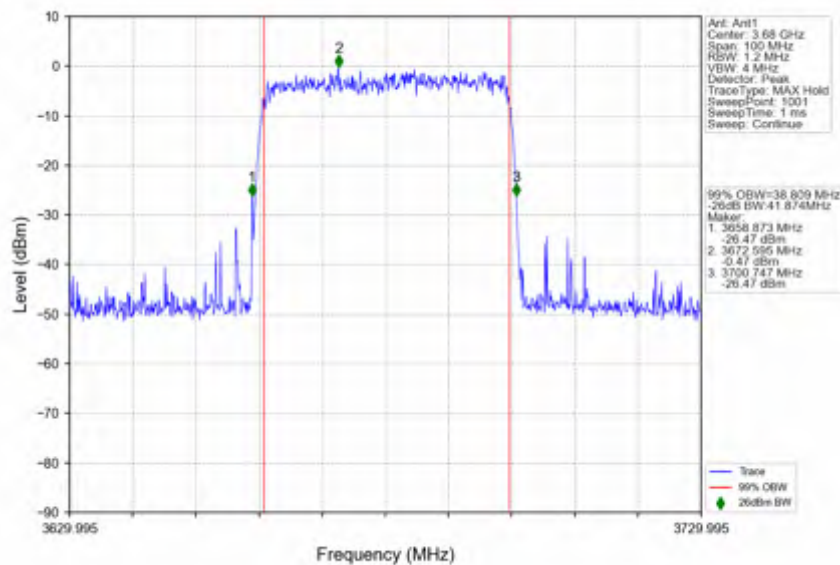
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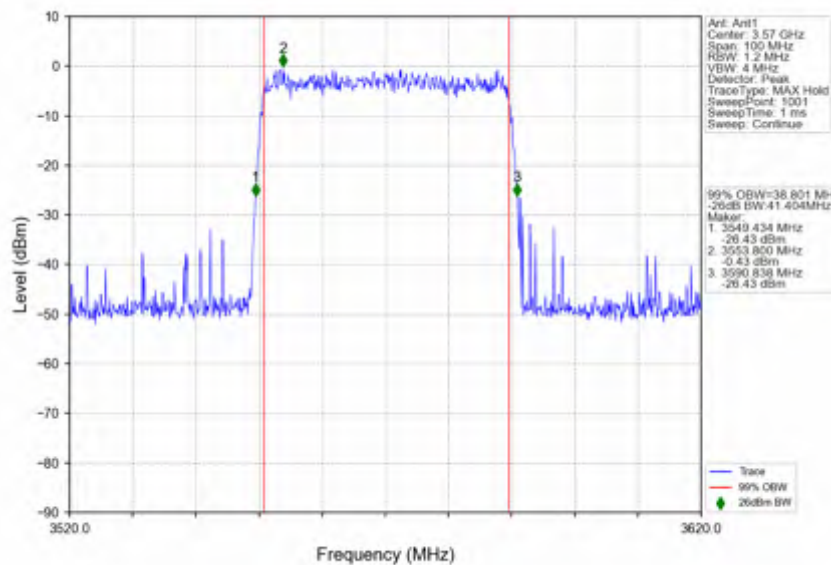


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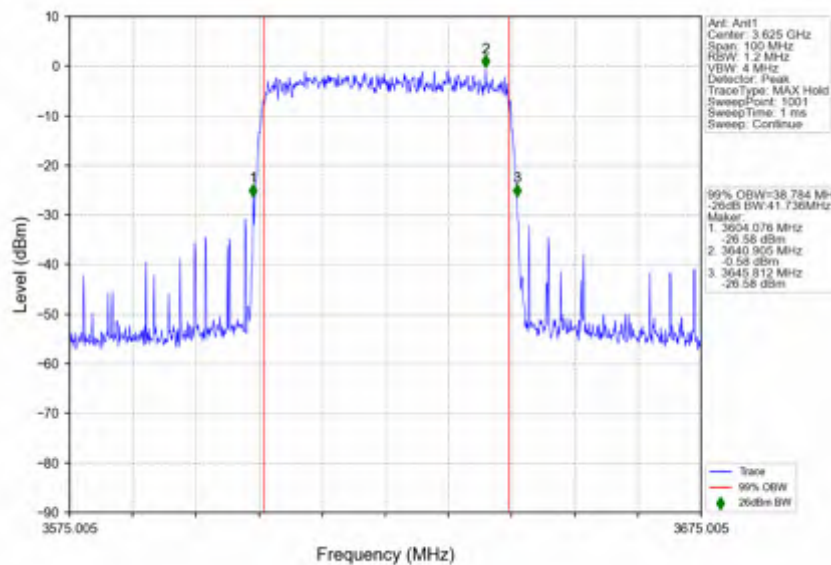
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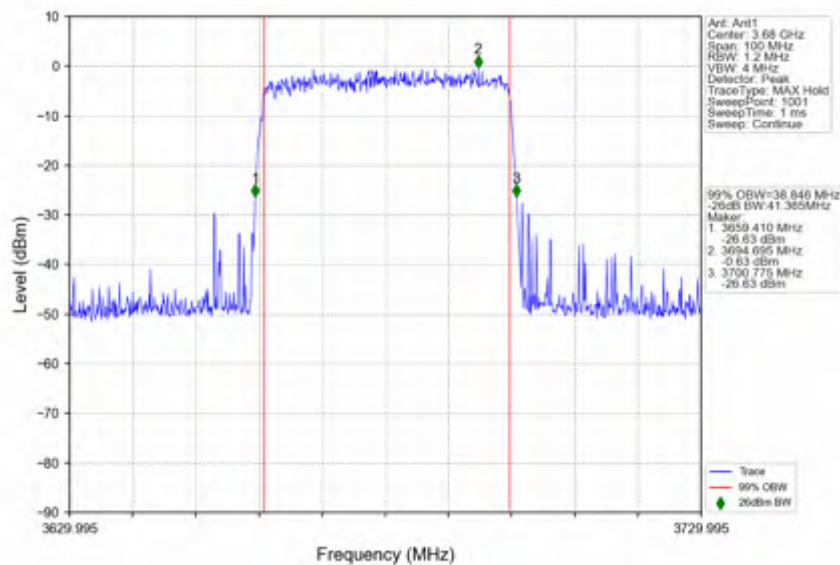


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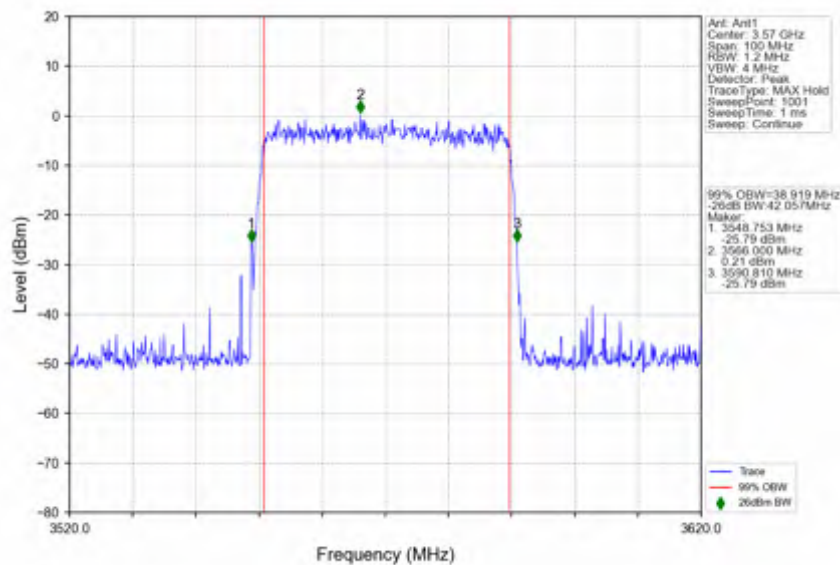
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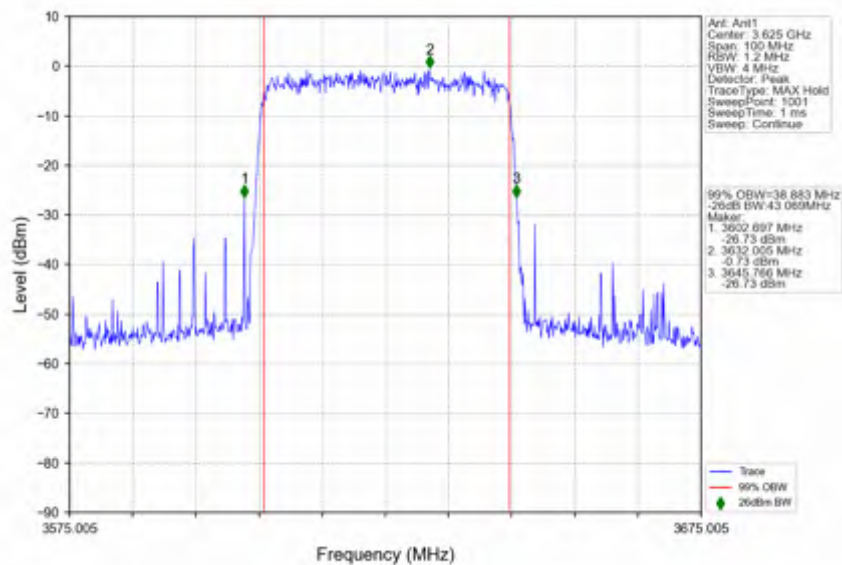
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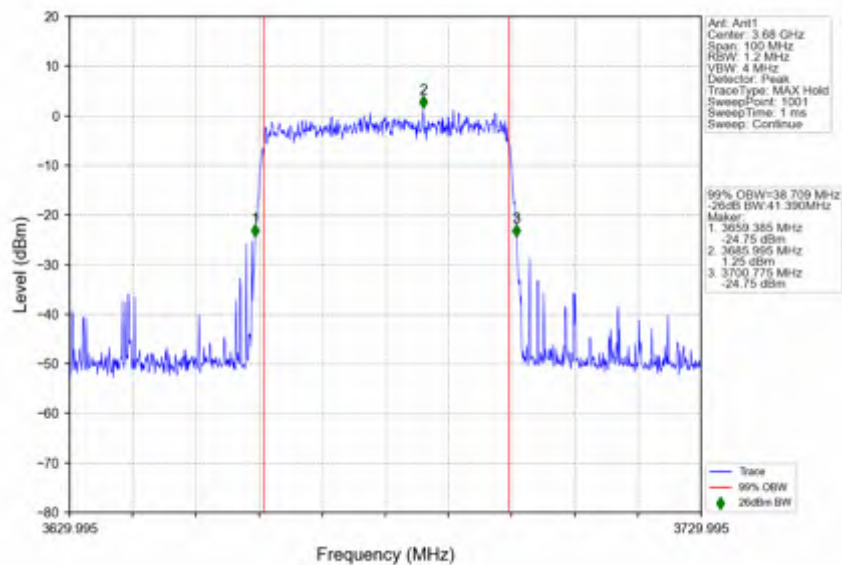
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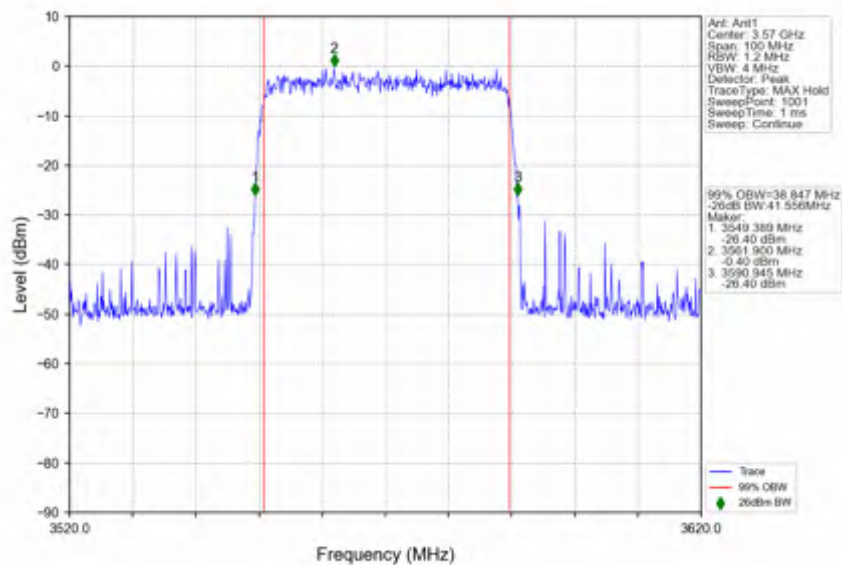
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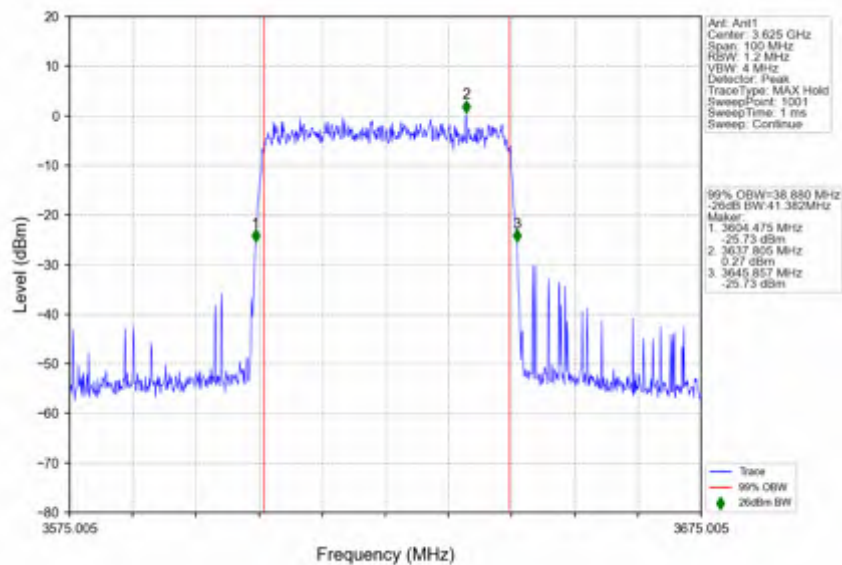
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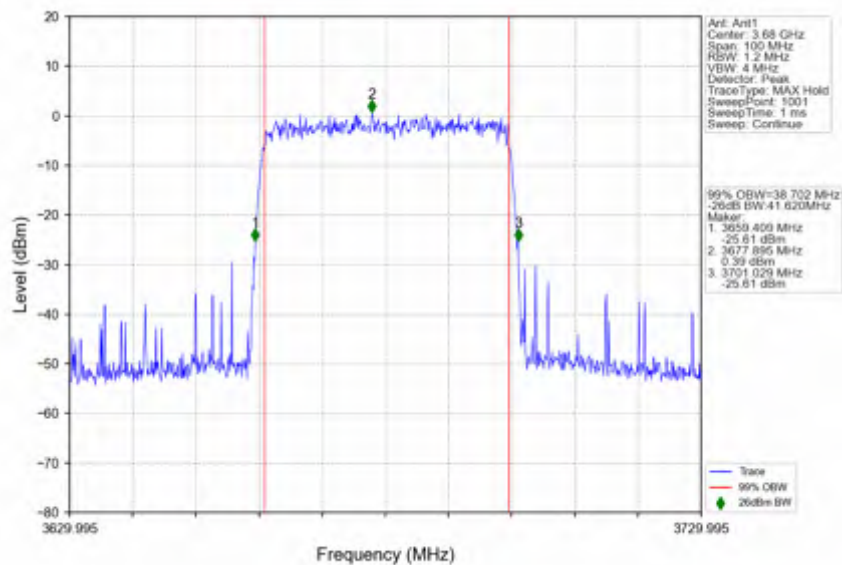
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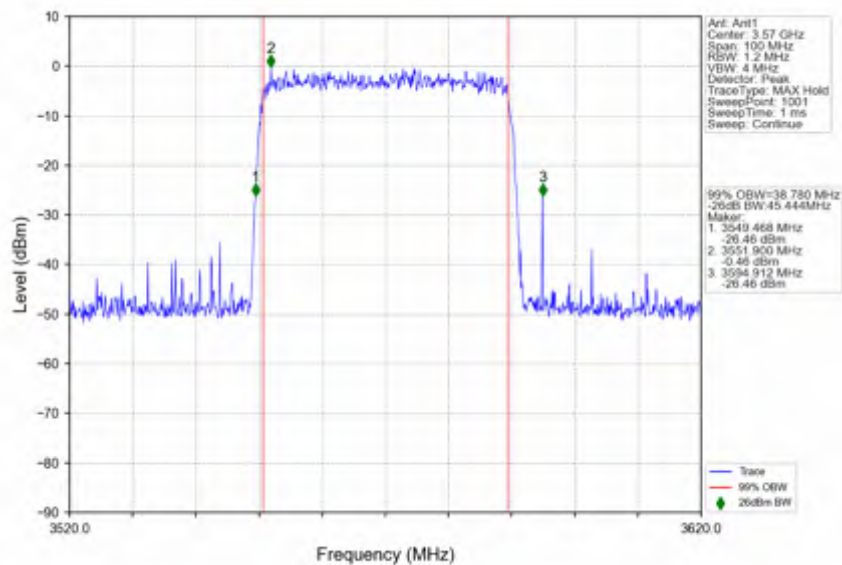
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n78d 15kHz SISO NTN 40MHz CP-OFDM QPSK 3570MHz Outer Full

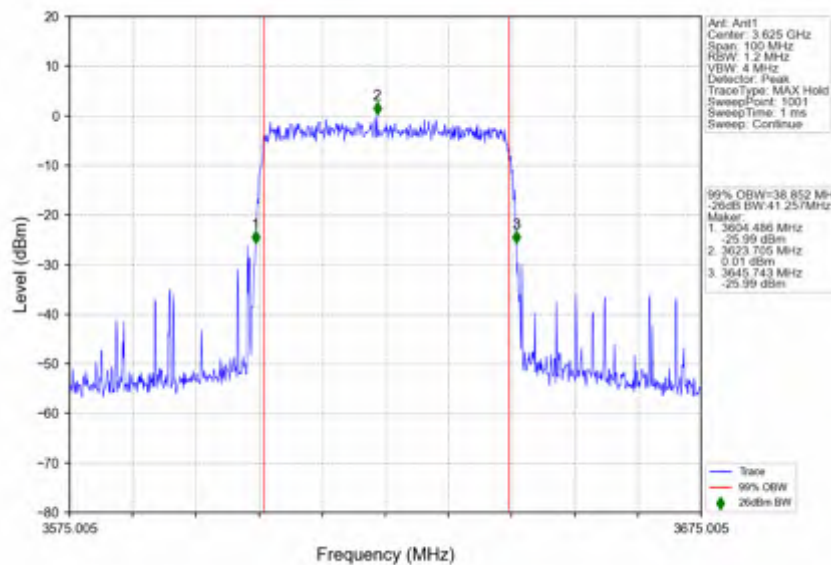


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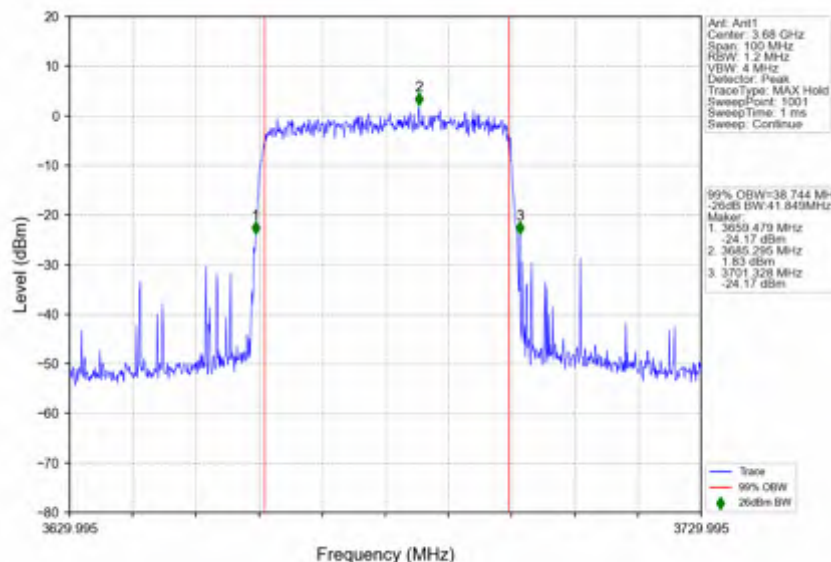
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n78d_15kHz_SISO_NTNV_40MHz_CP-OFDM_QPSK_3625.005MHz_Outer_Full



n78d	15kHz	SISO	NTNV	40MHz	CP-OFDM	QPSK	3679.995MHz	Outer	Full
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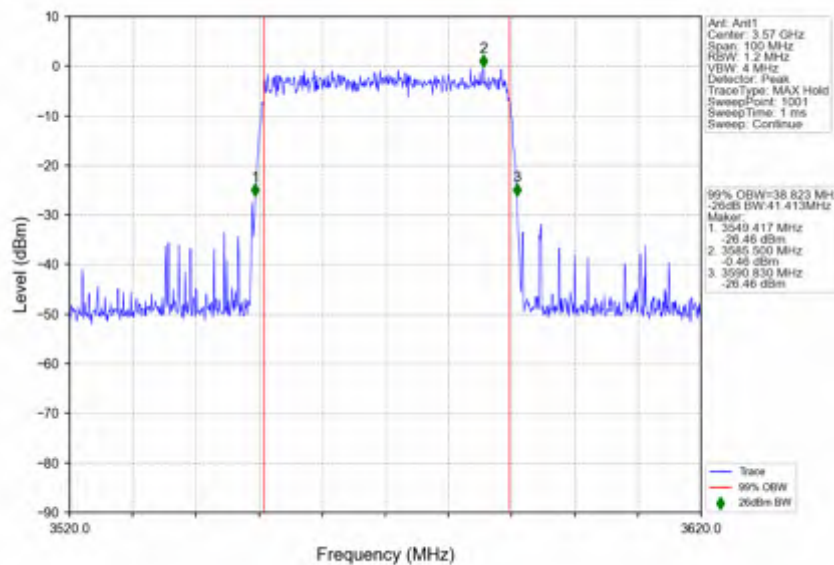


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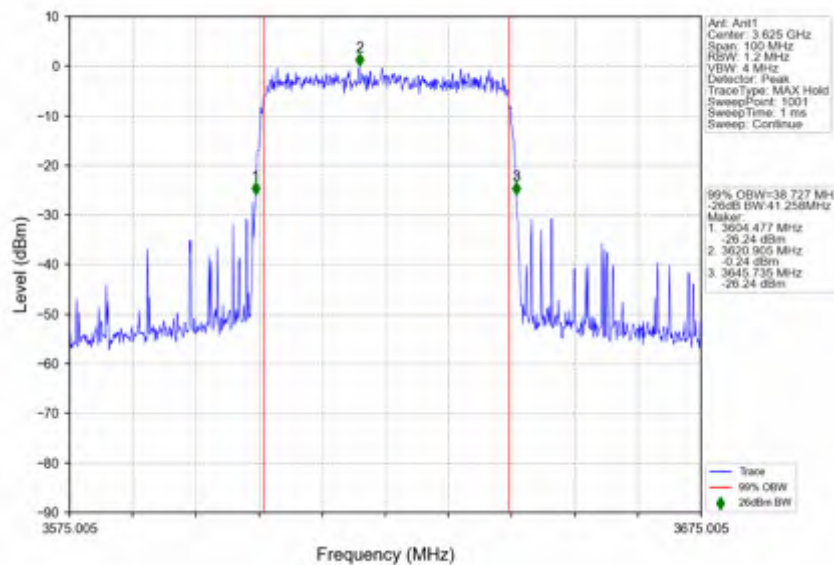
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n78d_15kHz_SISO_NTNV_40MHz_CP-OFDM_16_QAM_3570MHz_Outer_Full



n78d_15kHz_SISO_NTNV_40MHz_CP-OFDM_16_QAM_3625.005MHz_Outer_Full



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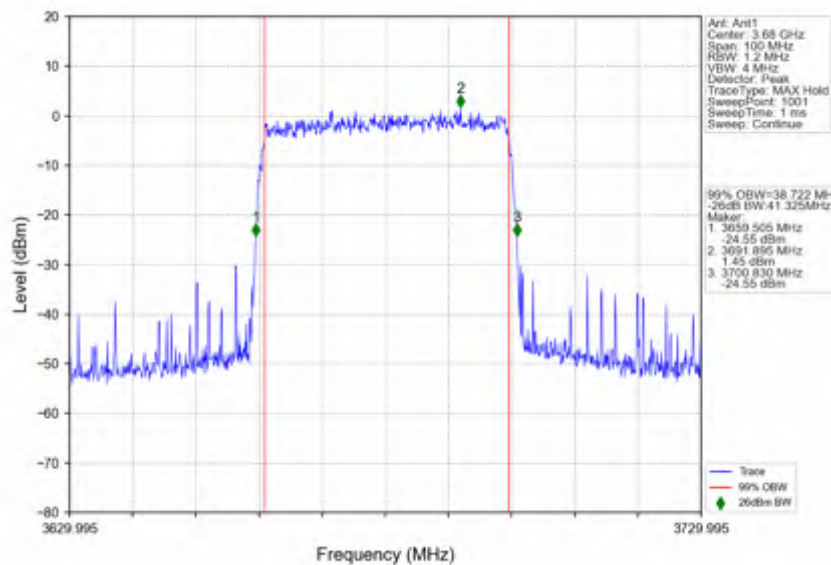
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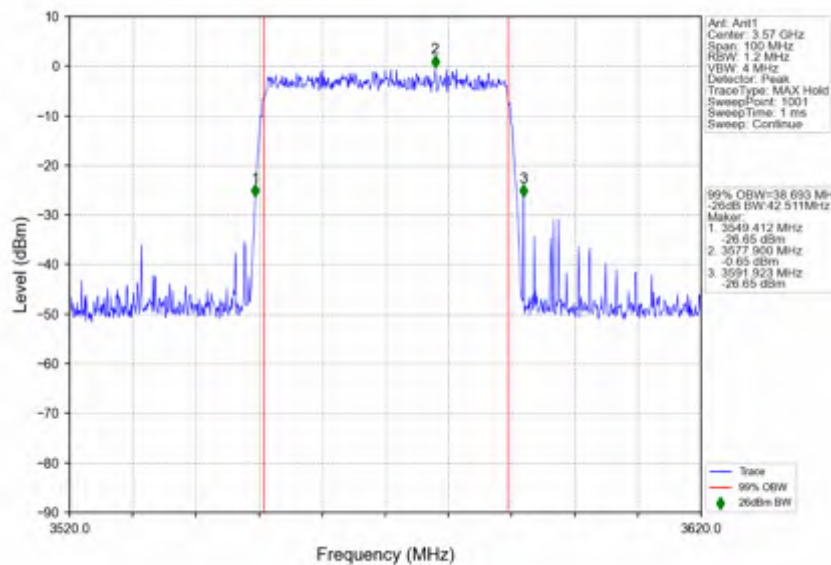
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n78d_15kHz_SISO_NTNV_40MHz_CP-OFDM 16 QAM_3679.995MHz_Outer_Full



n78d_15kHz_SISO_NTNV_40MHz_CP-OFDM 64 QAM_3570MHz_Outer_Full



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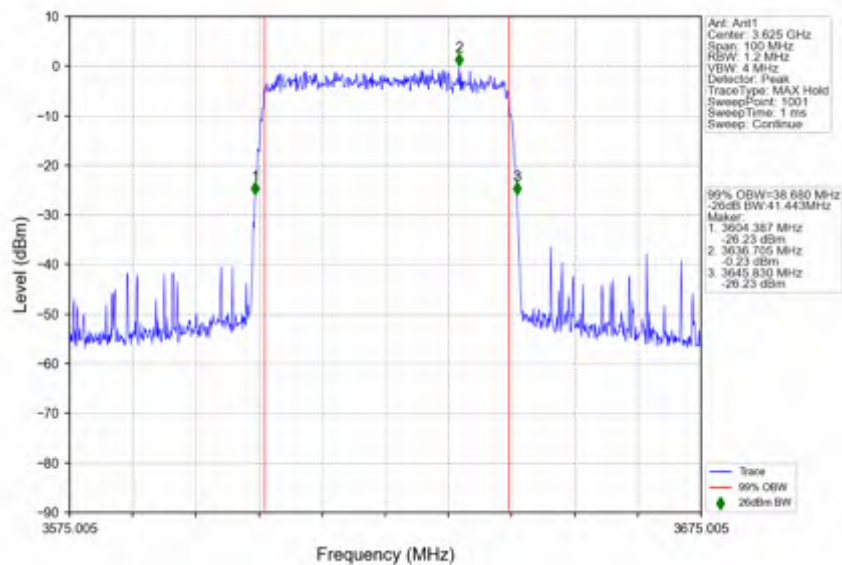
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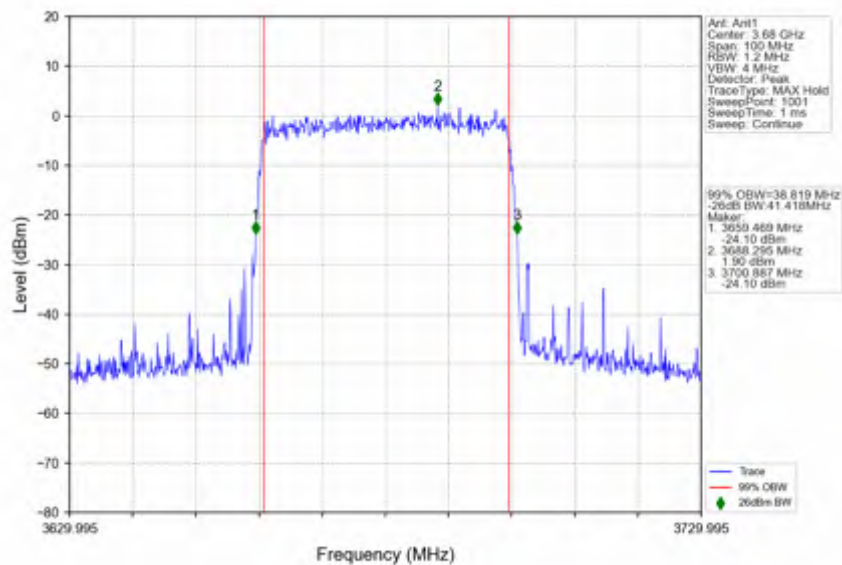
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n78d_15kHz_SISO_NTNV_40MHz_CP-OFDM_64_QAM_3679.995MHz_Outer_Full

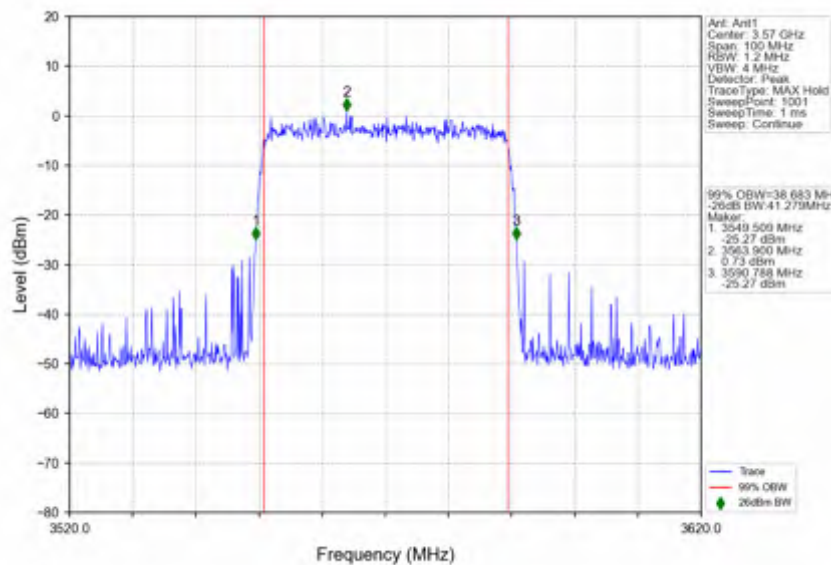


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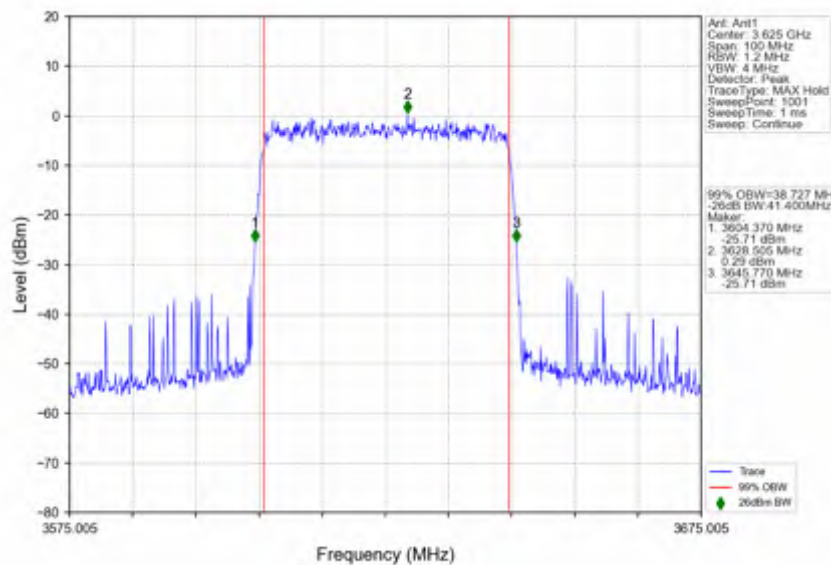
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n78d_15kHz_SISO_NTNV_40MHz_CP-OFDM_256_QAM_3570MHz_Outer_Full



n78d_15kHz_SISO_NTNV_40MHz_CP-OFDM_256_QAM_3625.005MHz_Outer_Full



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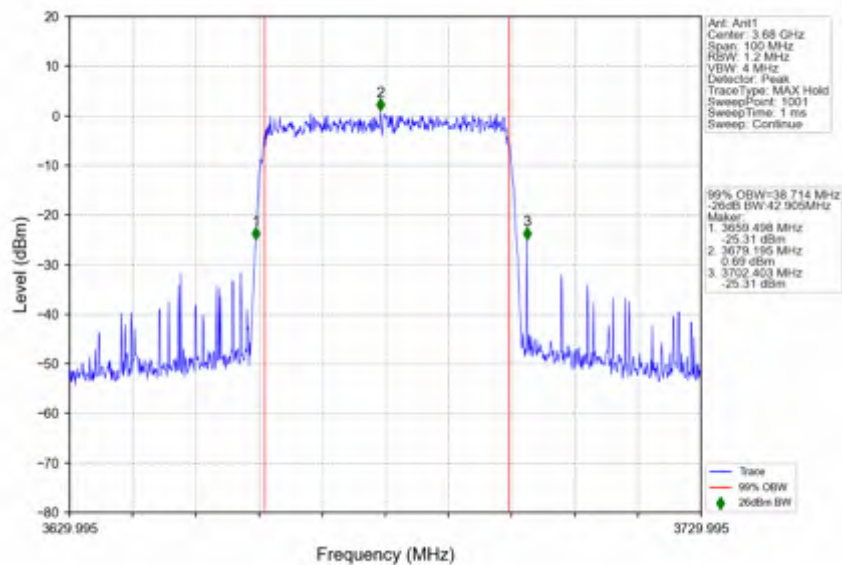
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n78d	15kHz	SISO	NTNV	40MHz	CP-OFDM	256 QAM	3679.995MHz	Outer	Full
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8.7 15k_SISO_50MHz_NTNV

8.7.1 Test Result

5G NR n78d SCS=15kHz SISO 50MHz NTNv						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3575.01	Outer_Full	48.62	53.03	/	Pass
	3625.005	Outer_Full	48.57	51.81	/	Pass
	3675	Outer_Full	48.49	51.71	/	Pass
DFT-s-OFDM QPSK	3575.01	Outer_Full	48.46	51.72	/	Pass
	3625.005	Outer_Full	48.48	51.74	/	Pass
	3675	Outer_Full	48.48	52.00	/	Pass
DFT-s-OFDM 16 QAM	3575.01	Outer_Full	48.58	51.78	/	Pass
	3625.005	Outer_Full	48.47	51.55	/	Pass
	3675	Outer_Full	48.48	51.61	/	Pass
DFT-s-OFDM 64 QAM	3575.01	Outer_Full	48.75	51.73	/	Pass
	3625.005	Outer_Full	48.61	51.67	/	Pass
	3675	Outer_Full	48.35	51.72	/	Pass
DFT-s-OFDM 256 QAM	3575.01	Outer_Full	48.43	51.67	/	Pass
	3625.005	Outer_Full	48.48	51.70	/	Pass
	3675	Outer_Full	48.46	51.63	/	Pass
CP-OFDM QPSK	3575.01	Outer_Full	48.43	51.59	/	Pass
	3625.005	Outer_Full	48.34	52.26	/	Pass
	3675	Outer_Full	48.34	52.09	/	Pass
CP-OFDM 16 QAM	3575.01	Outer_Full	48.52	51.60	/	Pass
	3625.005	Outer_Full	48.46	51.76	/	Pass
	3675	Outer_Full	48.55	51.67	/	Pass
CP-OFDM 64 QAM	3575.01	Outer_Full	48.47	51.67	/	Pass
	3625.005	Outer_Full	48.44	52.05	/	Pass
	3675	Outer_Full	48.40	51.81	/	Pass
CP-OFDM 256 QAM	3575.01	Outer_Full	48.72	51.78	/	Pass
	3625.005	Outer_Full	48.55	51.83	/	Pass
	3675	Outer_Full	48.41	51.70	/	Pass



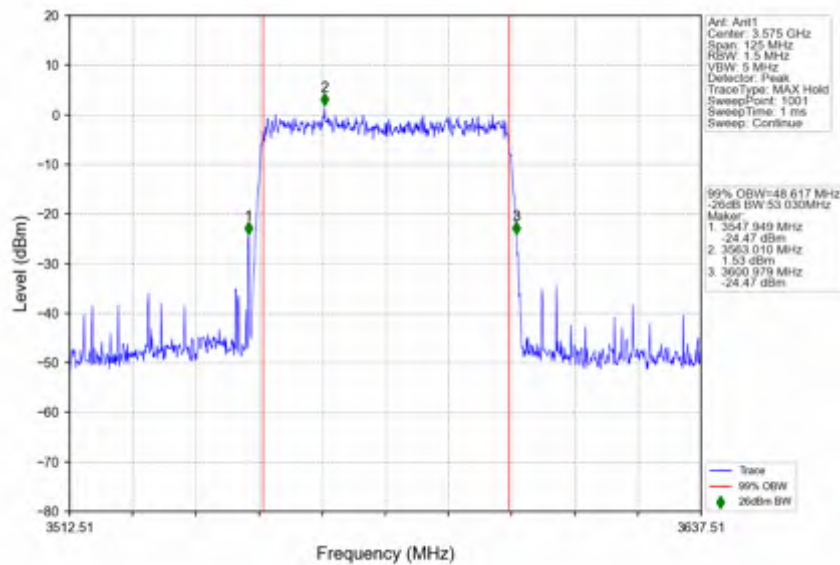
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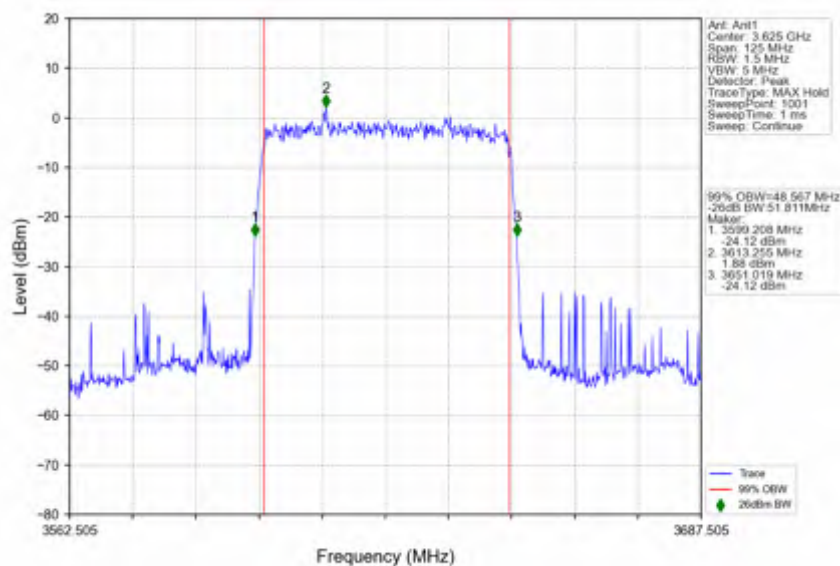
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8.7.2 Test Graph

n78d_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3575.01MHz_Outer_Full



n78d_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3625.005MHz_Outer_Full



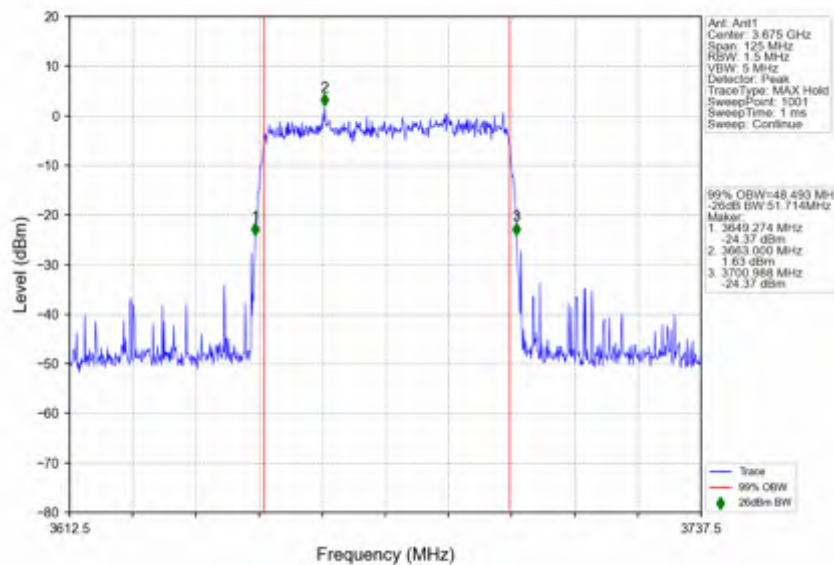
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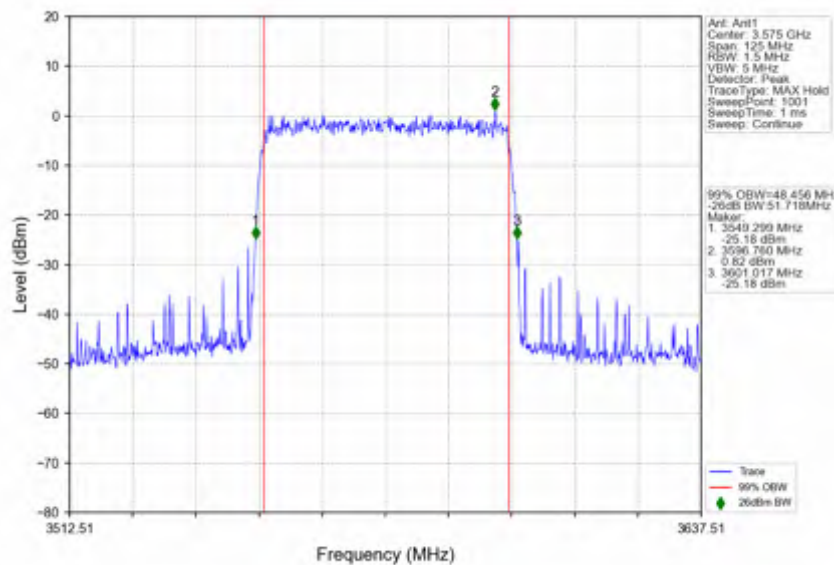
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n78d_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM QPSK_3575.01MHz_Outer_Full



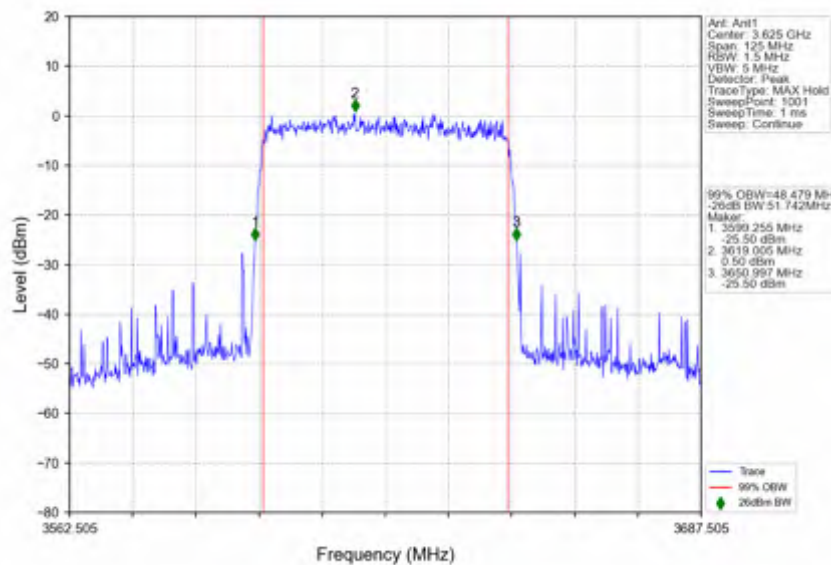
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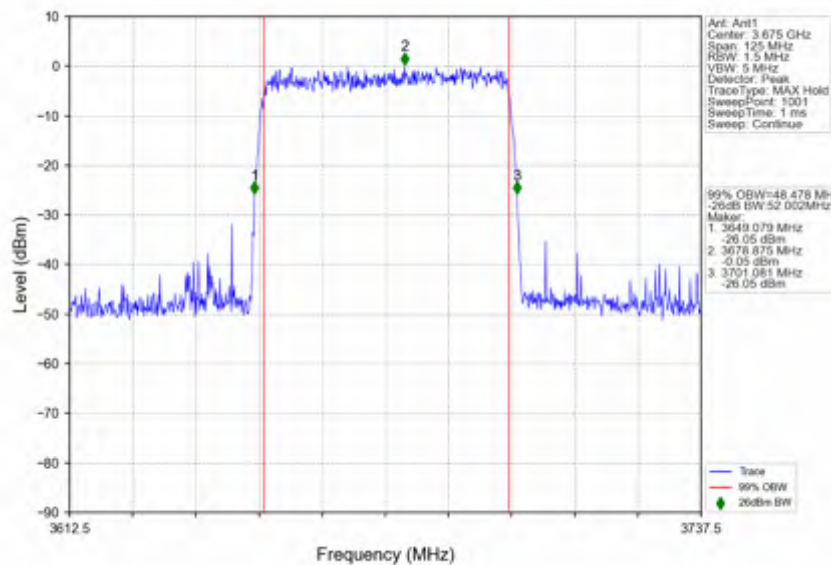
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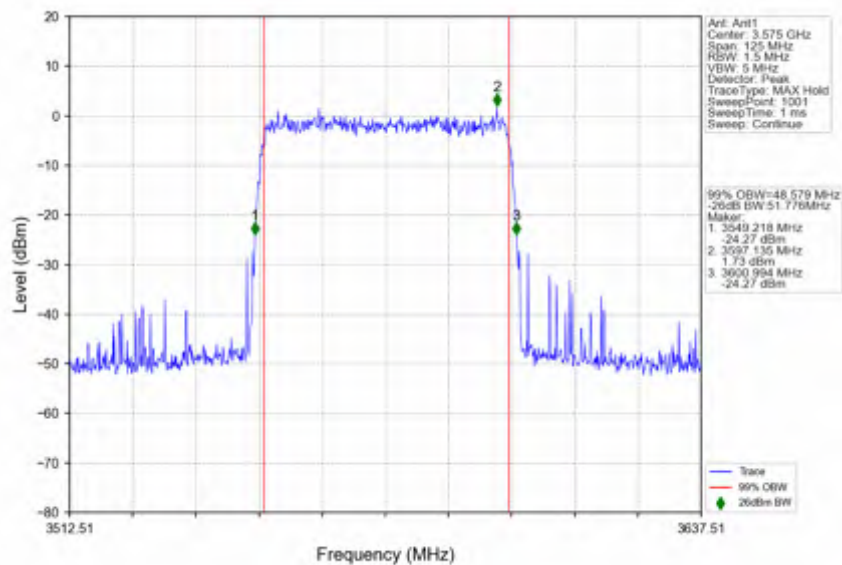
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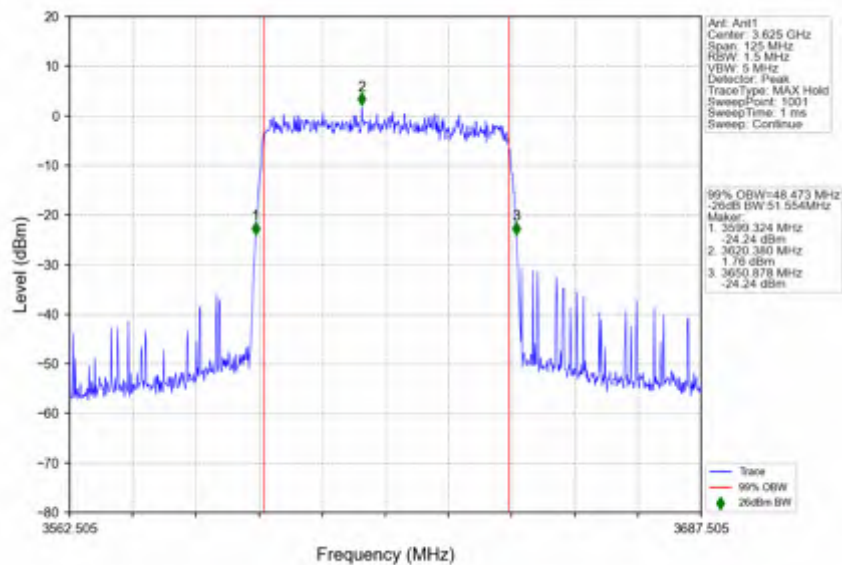
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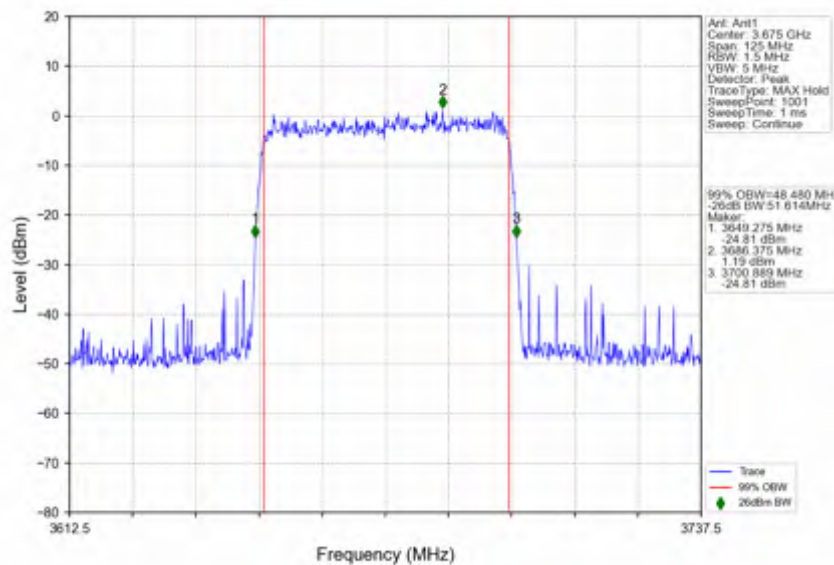
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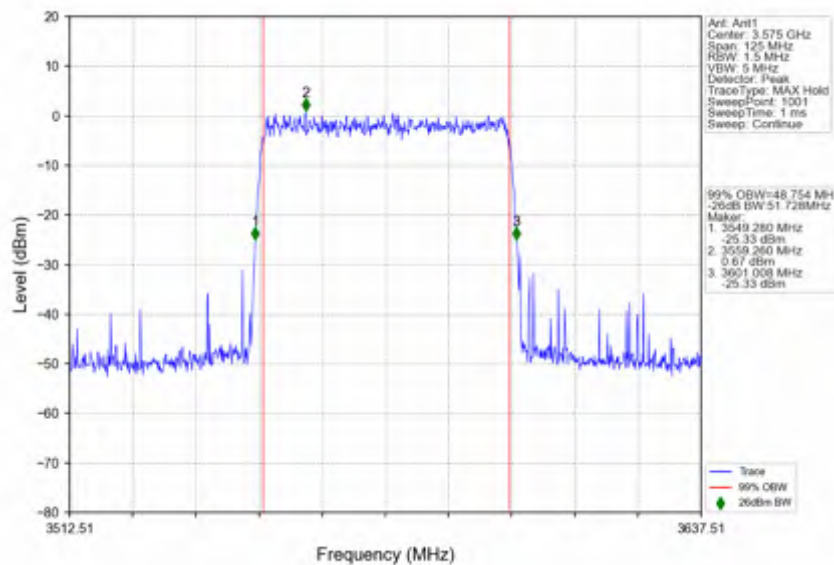
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n78d_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM_16_QAM_3675MHz_Outer_Full



n78d_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM_64_QAM_3575.01MHz_Outer_Full

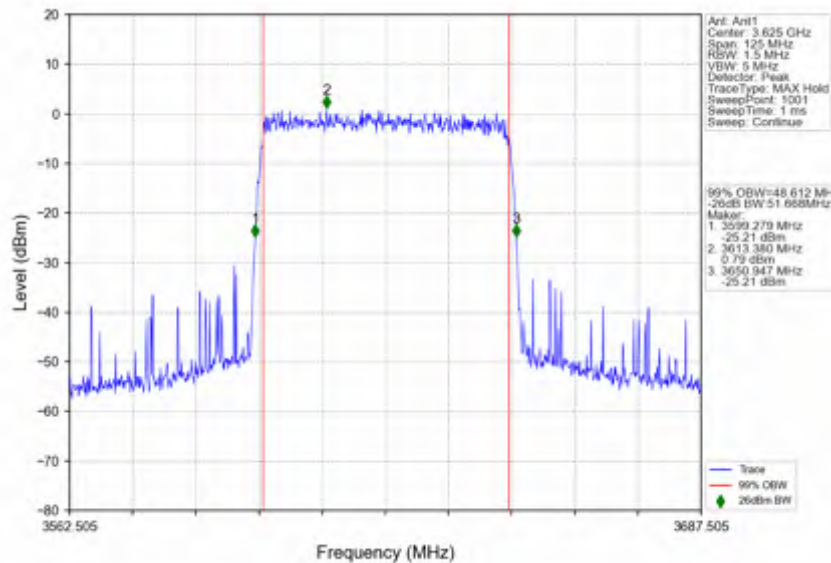


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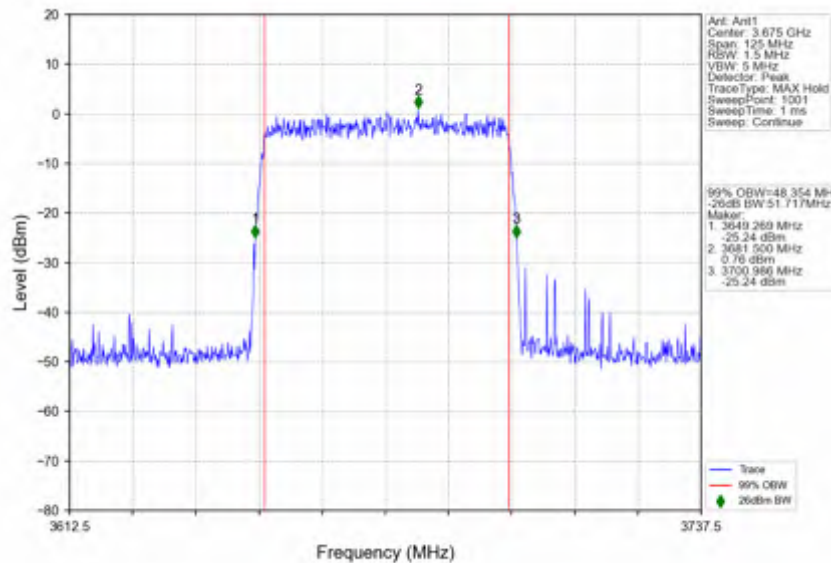
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n78d_15kHz_SISO_NTNV_50MHz_DFT-s-OFDM_64_QAM_3625.005MHz_Outer_Full



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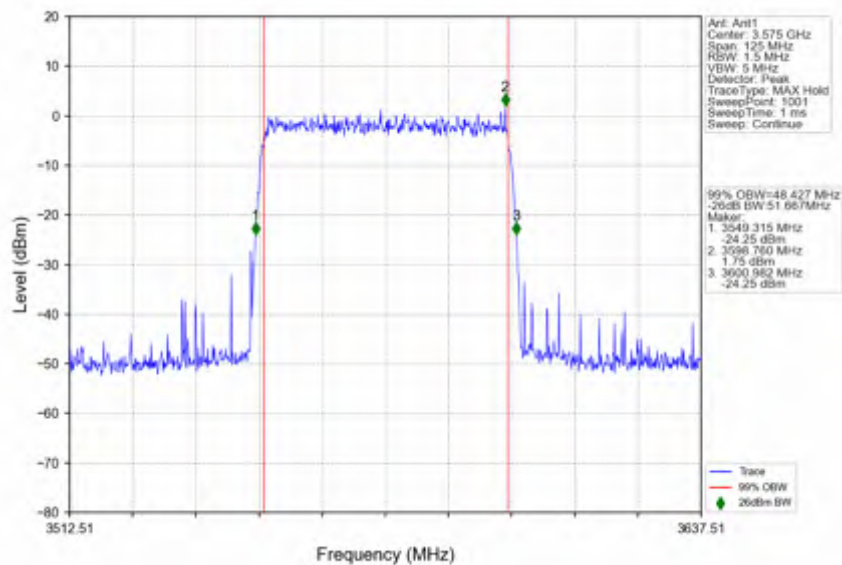
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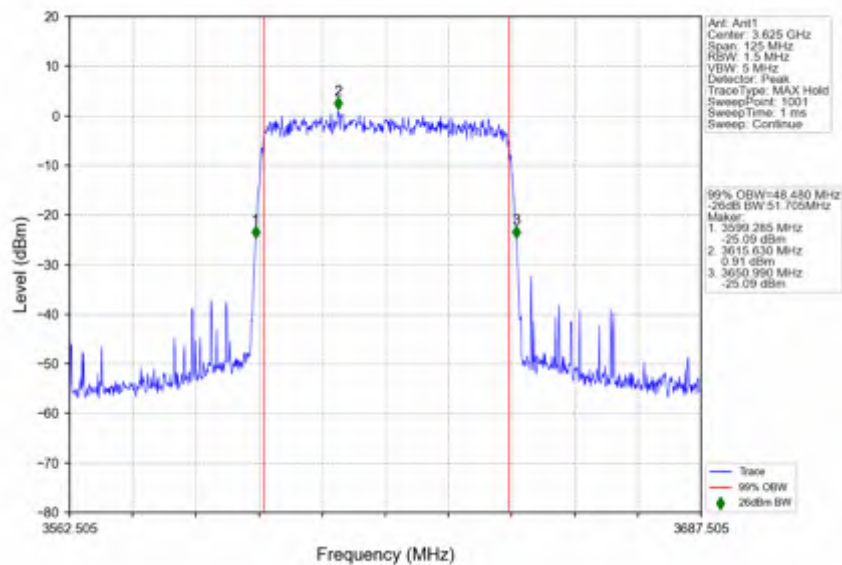
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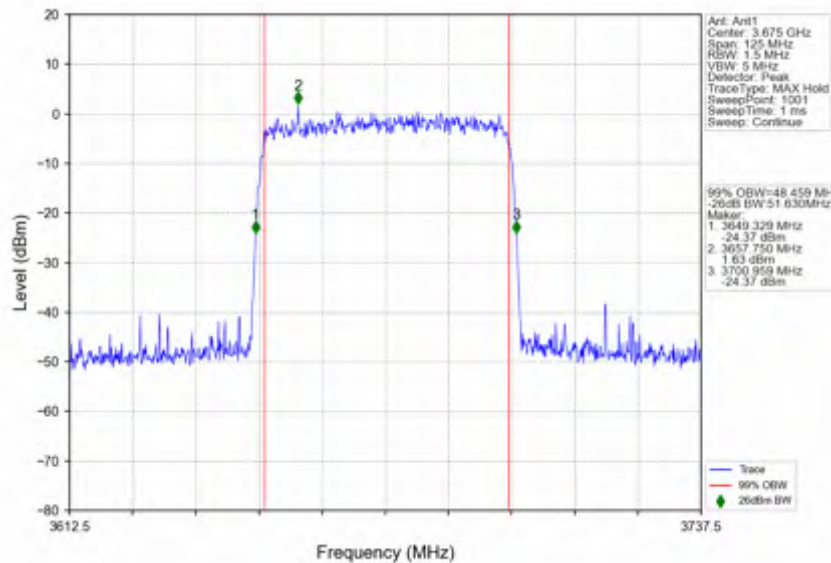
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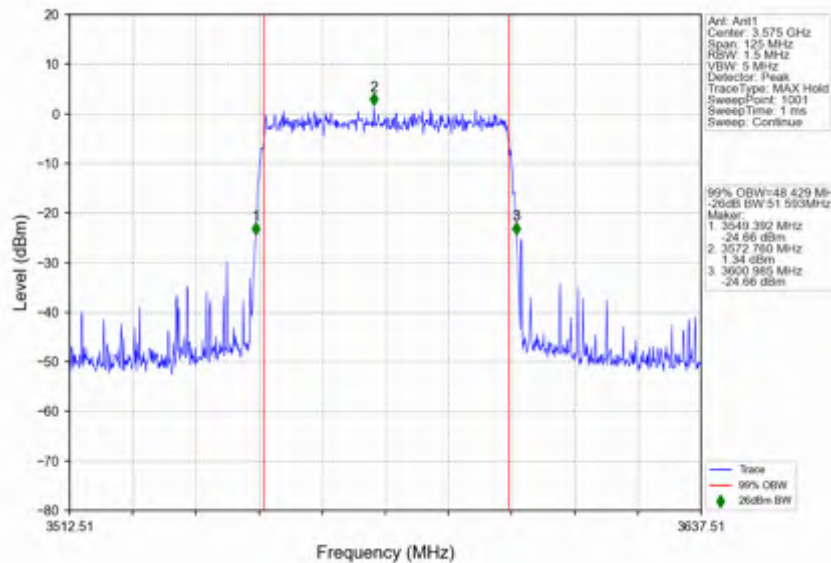
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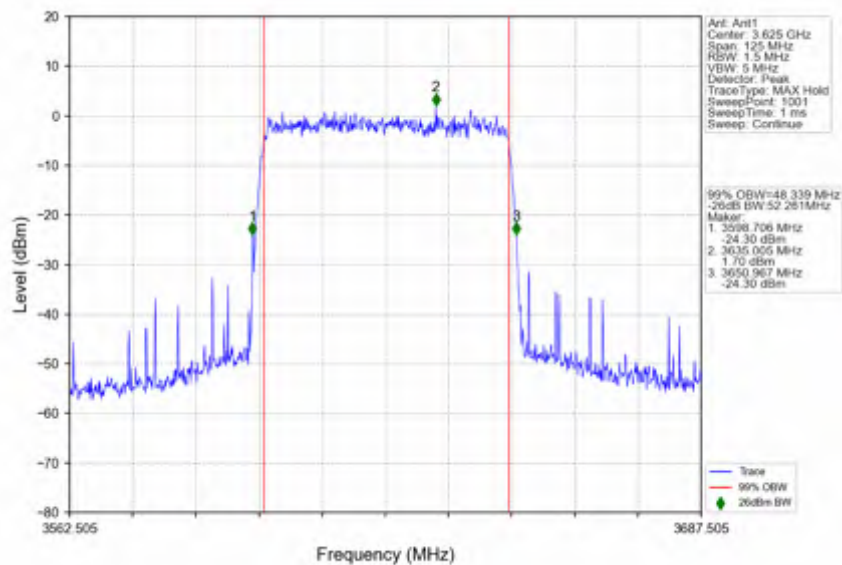
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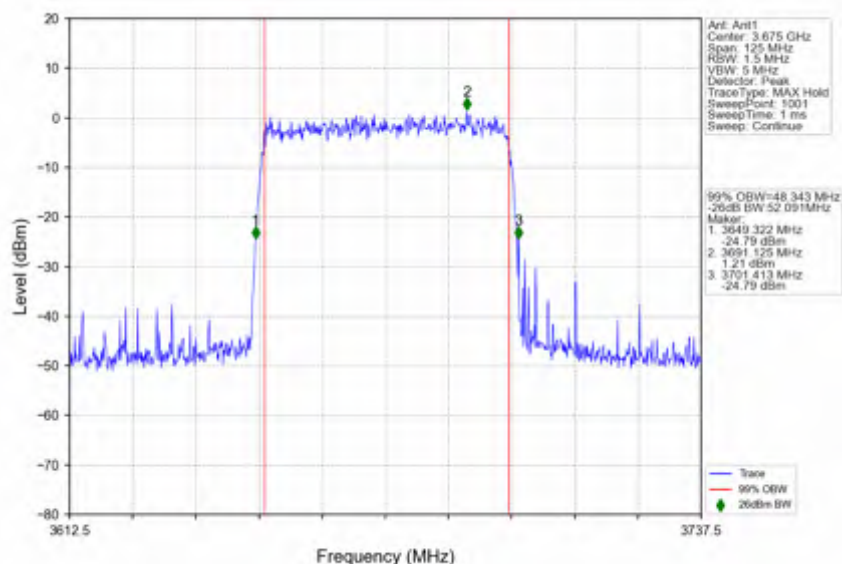
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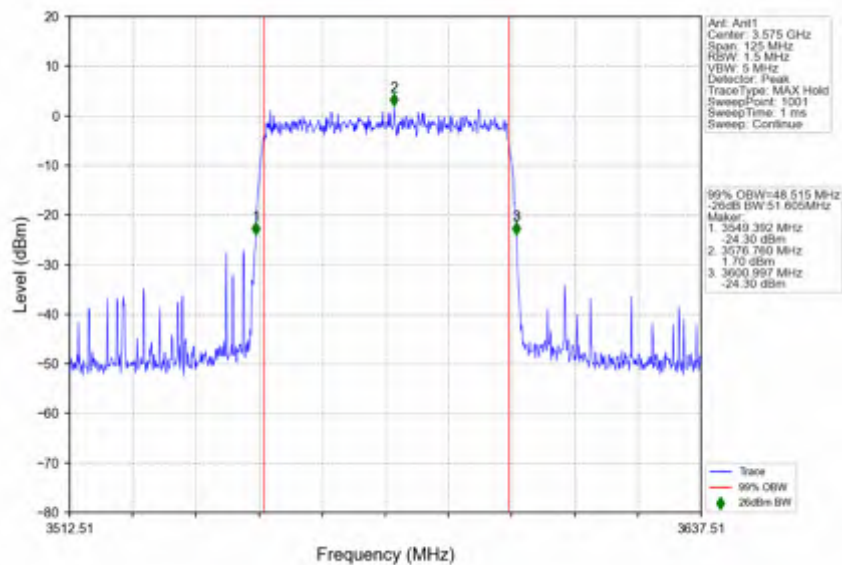
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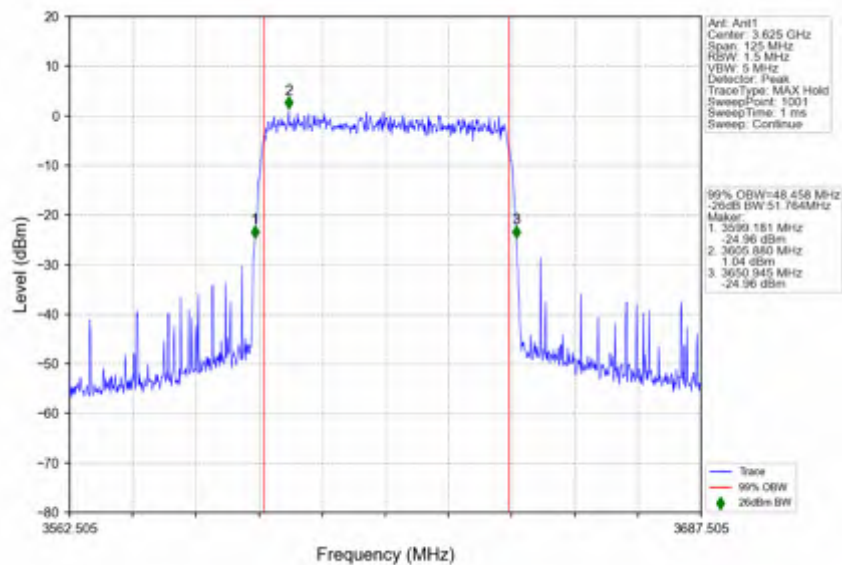
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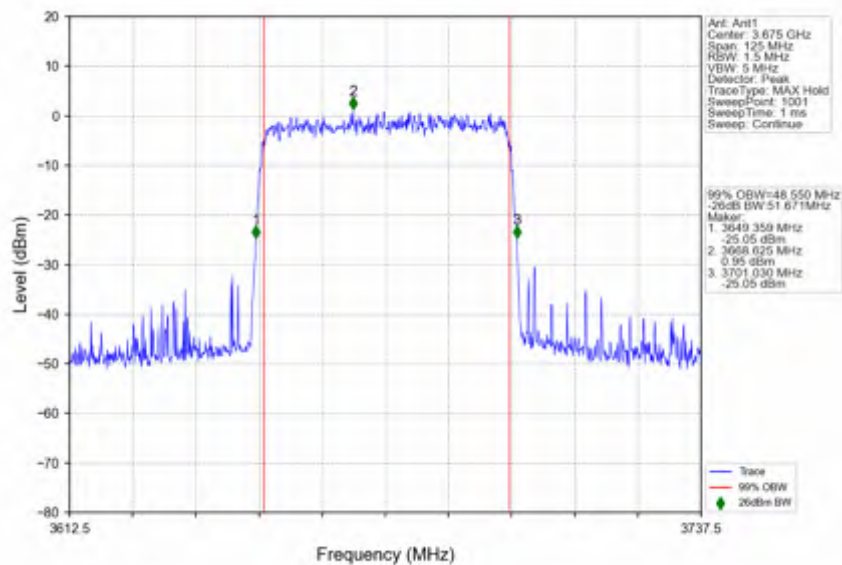
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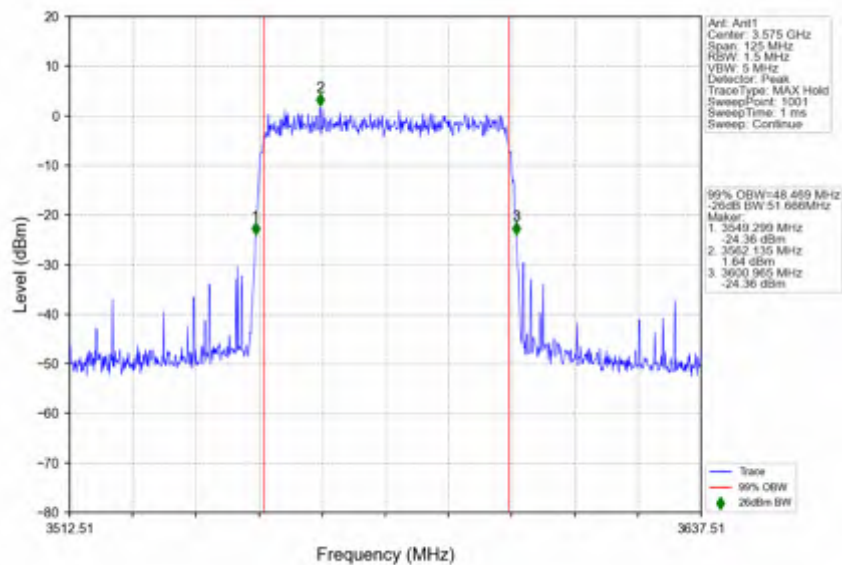
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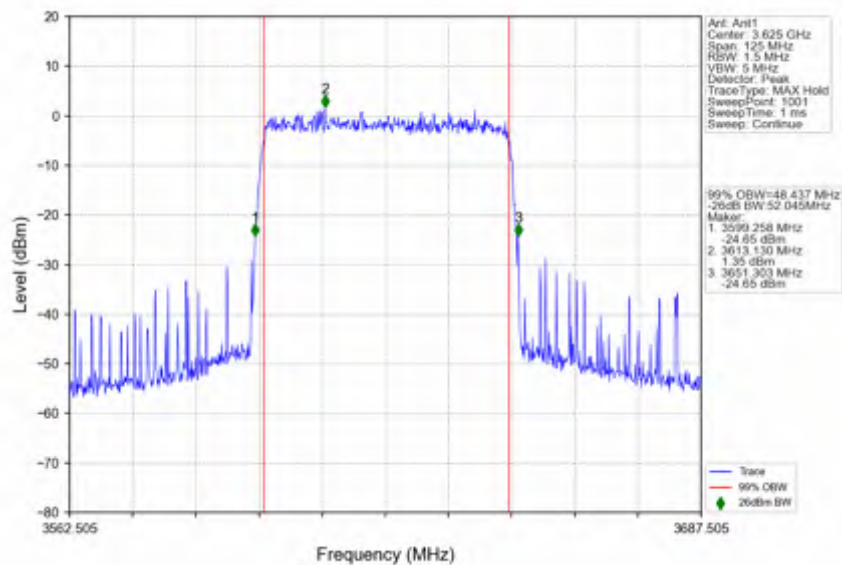
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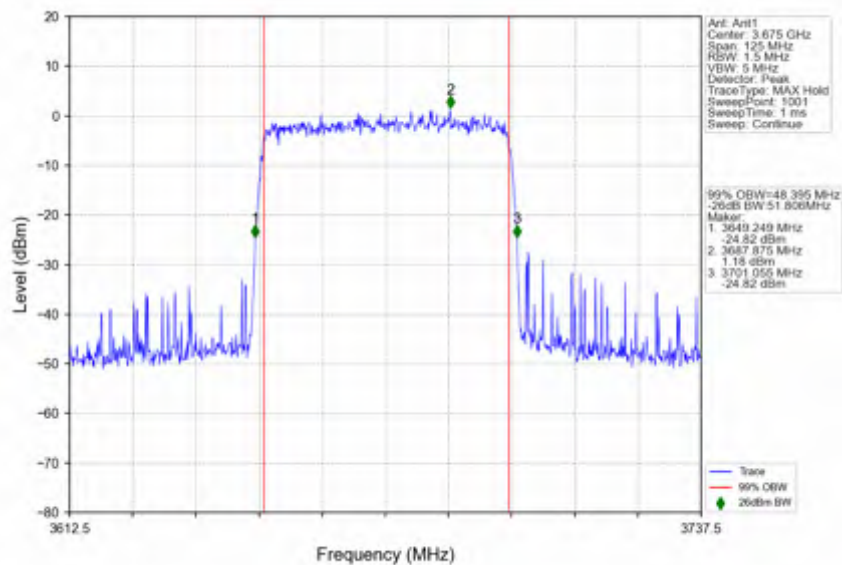
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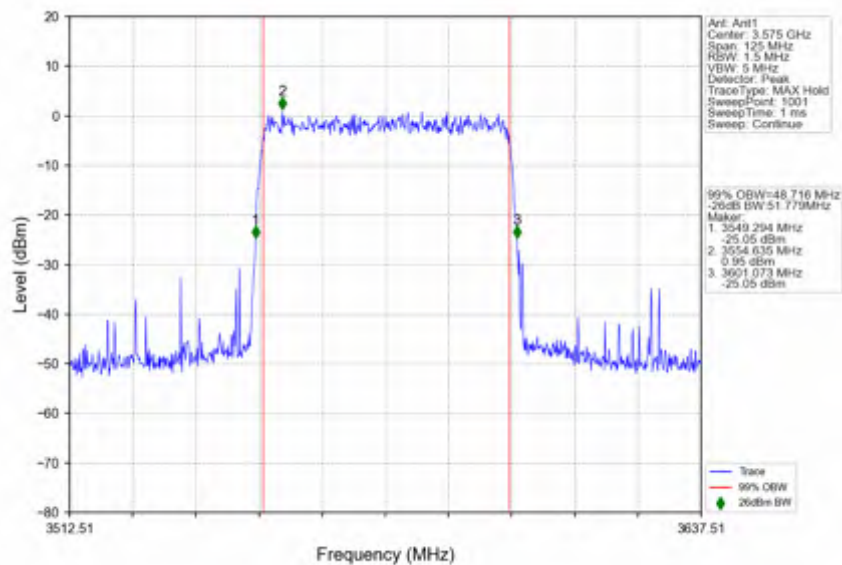
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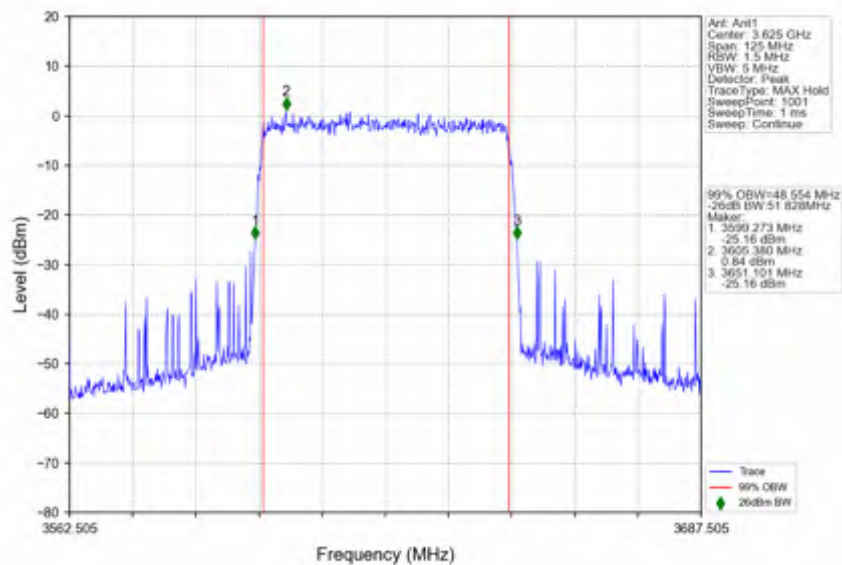
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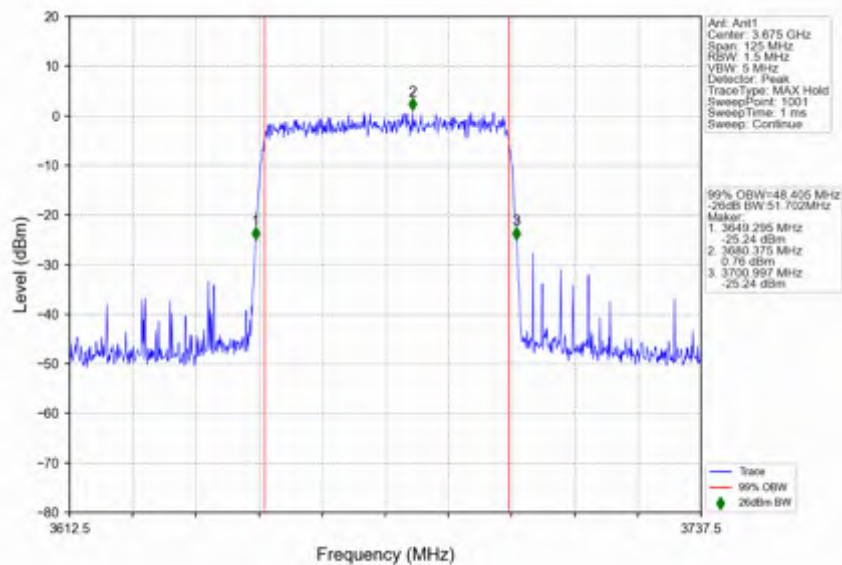
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8.8 30k_SISO_10MHz_NTNV

8.8.1 Test Result

5G NR n78d SCS=30kHz SISO 10MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3555	Outer_Full	8.67	9.77	/	Pass
	3624.99	Outer_Full	8.68	9.72	/	Pass
	3694.98	Outer_Full	8.64	9.59	/	Pass
DFT-s-OFDM QPSK	3555	Outer_Full	8.69	9.76	/	Pass
	3624.99	Outer_Full	8.65	9.64	/	Pass
	3694.98	Outer_Full	8.67	9.65	/	Pass
DFT-s-OFDM 16 QAM	3555	Outer_Full	8.67	9.85	/	Pass
	3624.99	Outer_Full	8.66	9.91	/	Pass
	3694.98	Outer_Full	8.64	9.62	/	Pass
DFT-s-OFDM 64 QAM	3555	Outer_Full	8.70	9.69	/	Pass
	3624.99	Outer_Full	8.68	9.50	/	Pass
	3694.98	Outer_Full	8.66	9.49	/	Pass
DFT-s-OFDM 256 QAM	3555	Outer_Full	8.70	9.62	/	Pass
	3624.99	Outer_Full	8.65	9.57	/	Pass
	3694.98	Outer_Full	8.64	9.50	/	Pass
CP-OFDM QPSK	3555	Outer_Full	8.68	9.72	/	Pass
	3624.99	Outer_Full	8.65	9.70	/	Pass
	3694.98	Outer_Full	8.68	9.55	/	Pass
CP-OFDM 16 QAM	3555	Outer_Full	8.69	9.90	/	Pass
	3624.99	Outer_Full	8.64	9.60	/	Pass
	3694.98	Outer_Full	8.68	9.64	/	Pass
CP-OFDM 64 QAM	3555	Outer_Full	8.74	9.85	/	Pass
	3624.99	Outer_Full	8.62	9.69	/	Pass
	3694.98	Outer_Full	8.70	9.57	/	Pass
CP-OFDM 256 QAM	3555	Outer_Full	8.71	9.83	/	Pass
	3624.99	Outer_Full	8.67	9.56	/	Pass
	3694.98	Outer_Full	8.66	9.54	/	Pass



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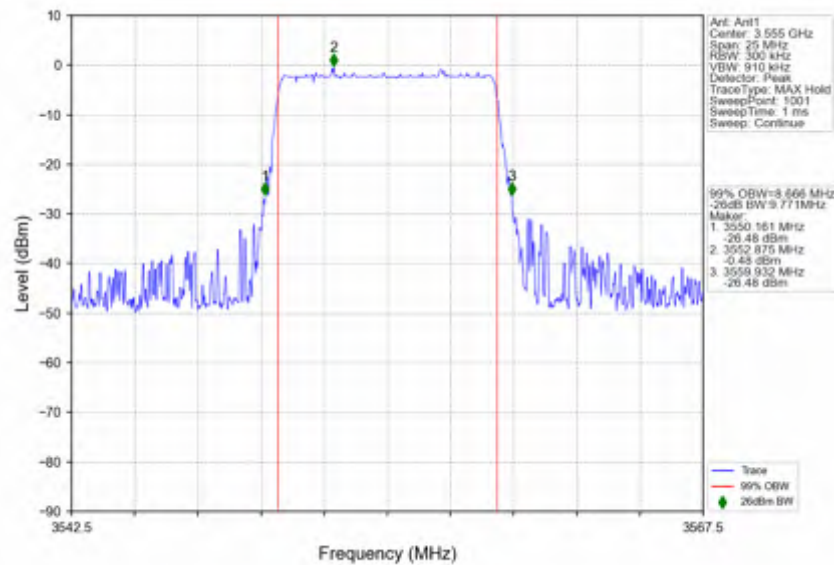
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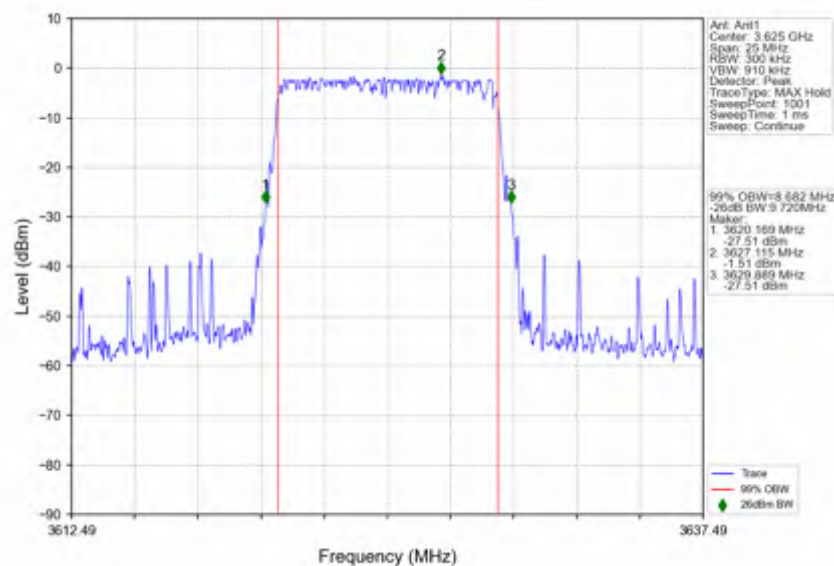
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8.8.2 Test Graph

n78d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3555MHz_Outer_Full



n78d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3624.99MHz_Outer_Full



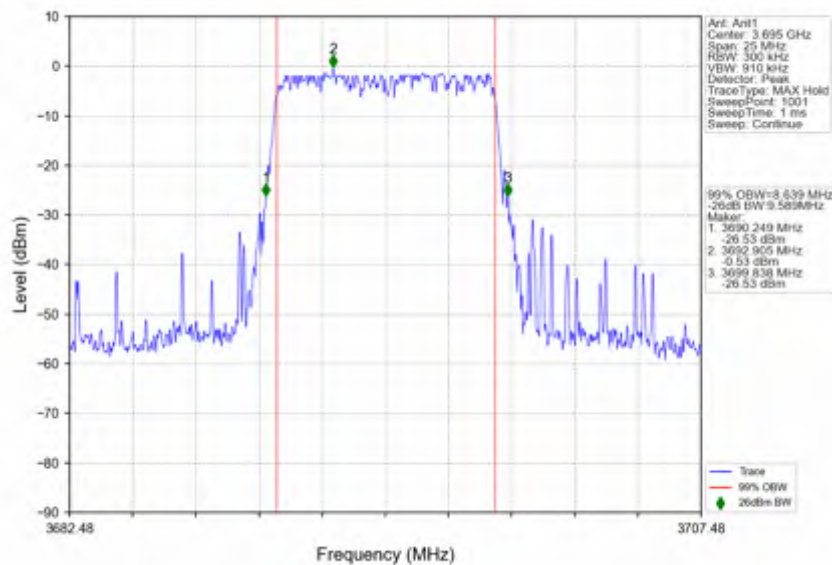
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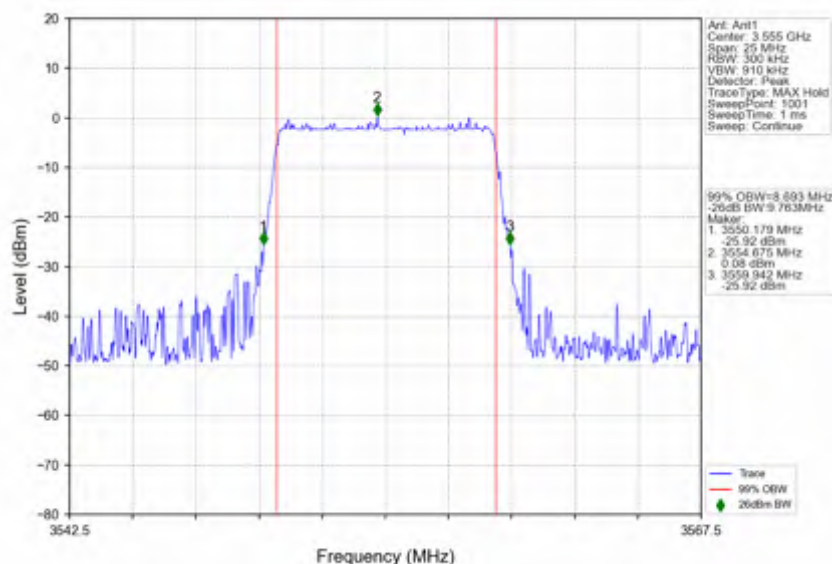
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n78d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_3694.98MHz_Outer_Full



n78d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_3555MHz_Outer_Full



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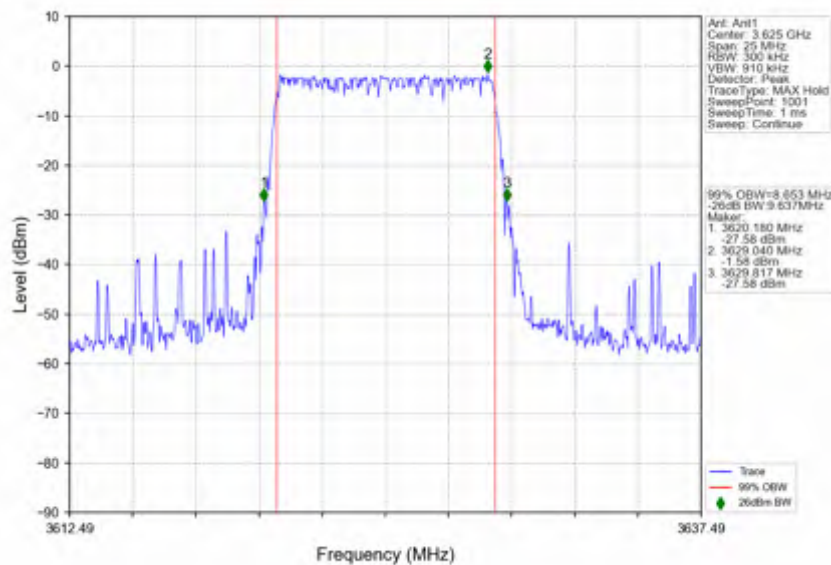
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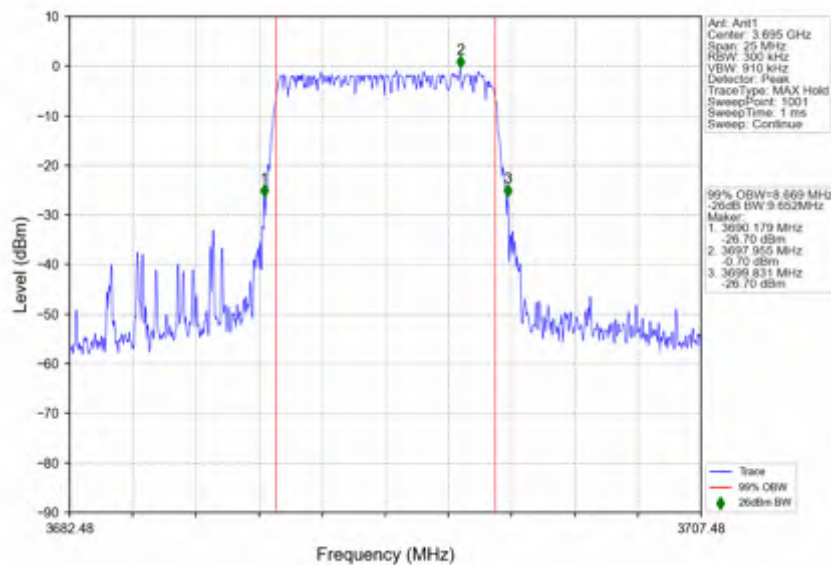
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n78d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3624.99MHz_Outer_Full



n78d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_QPSK_3694.98MHz_Outer_Full



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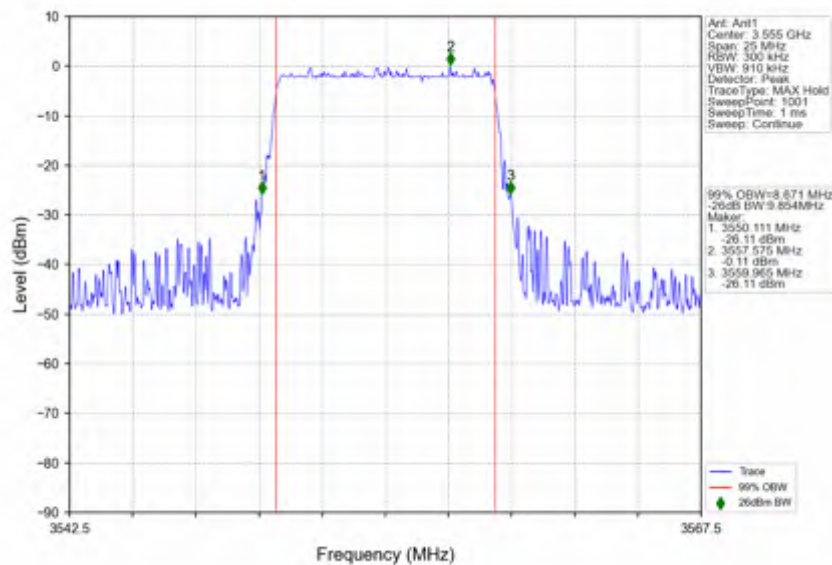
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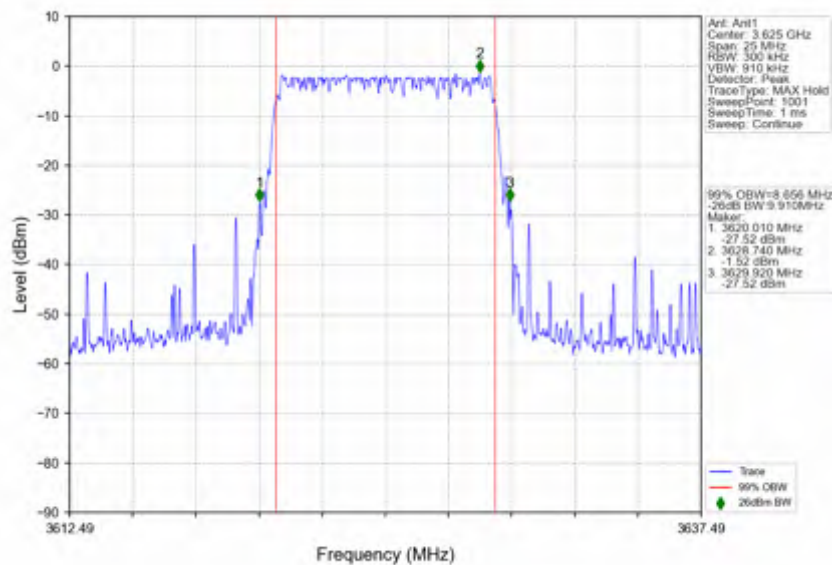
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n78d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM_3555MHz_Outer_Full



n78d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM_3624.99MHz_Outer_Full



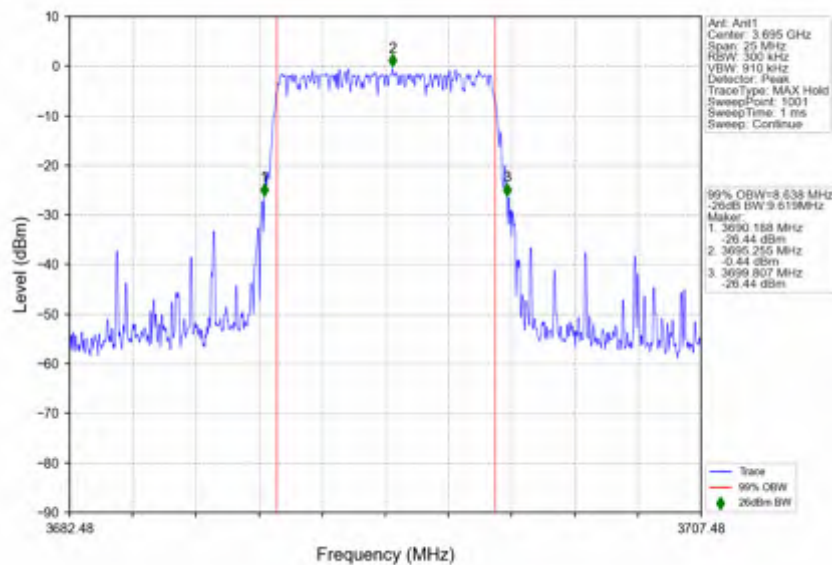
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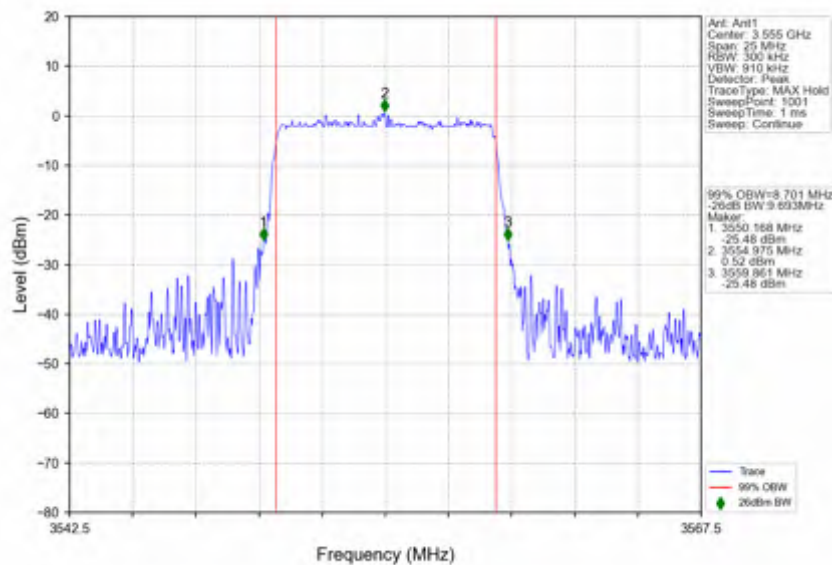
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n78d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM 16 QAM_3694.98MHz_Outer_Full



n78d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM 64 QAM_3555MHz_Outer_Full



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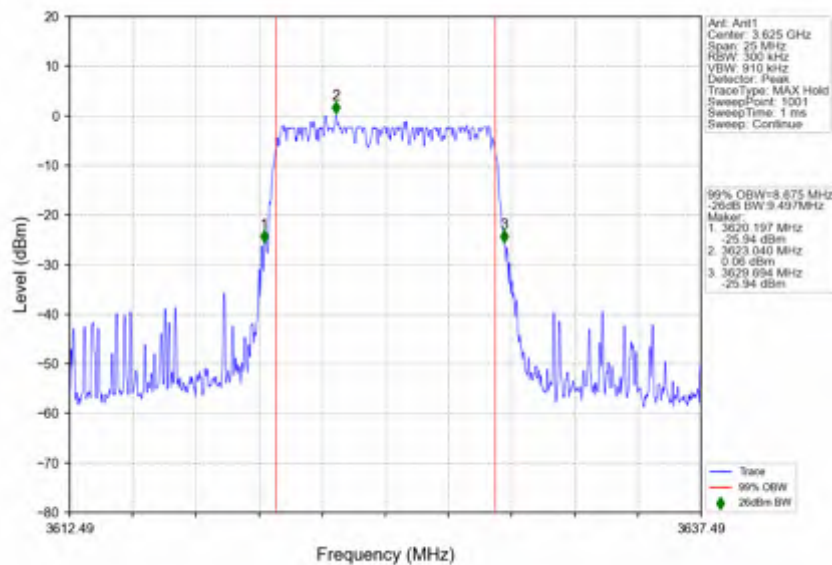
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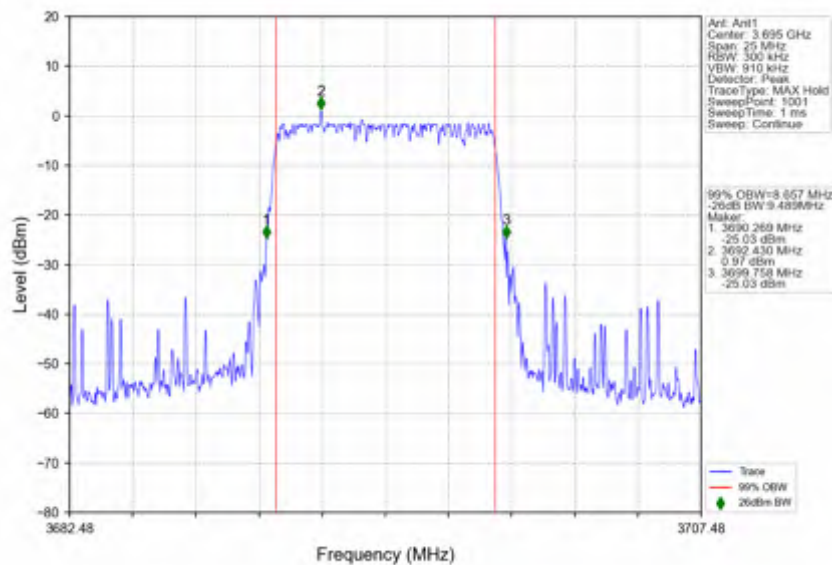
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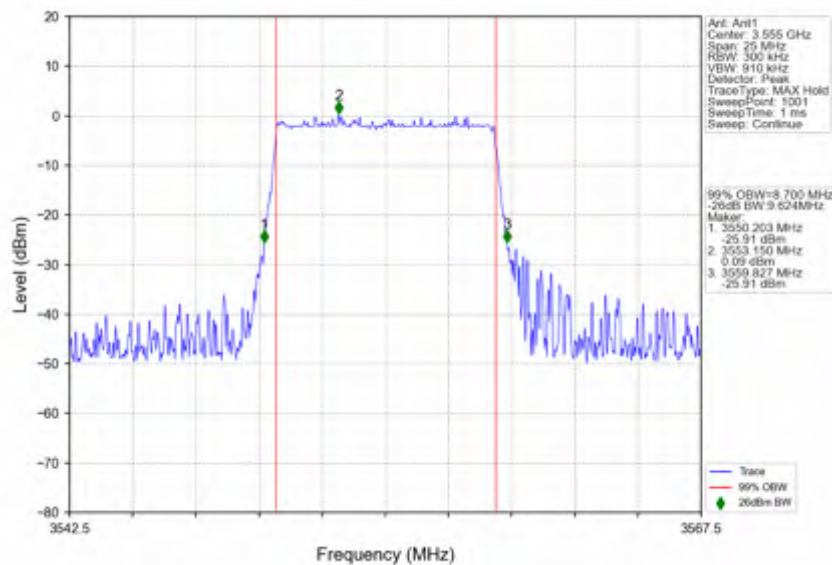
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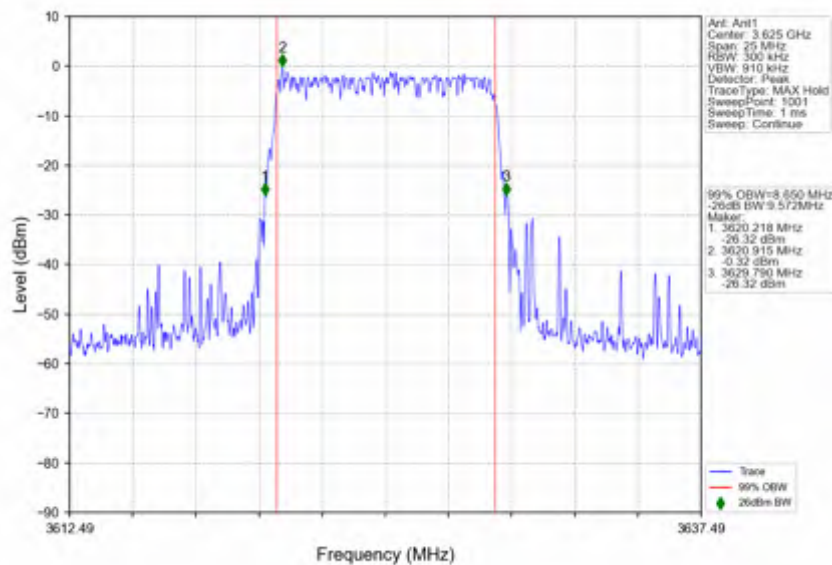
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n78d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_3555MHz_Outer_Full



n78d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM_256_QAM_3624.99MHz_Outer_Full



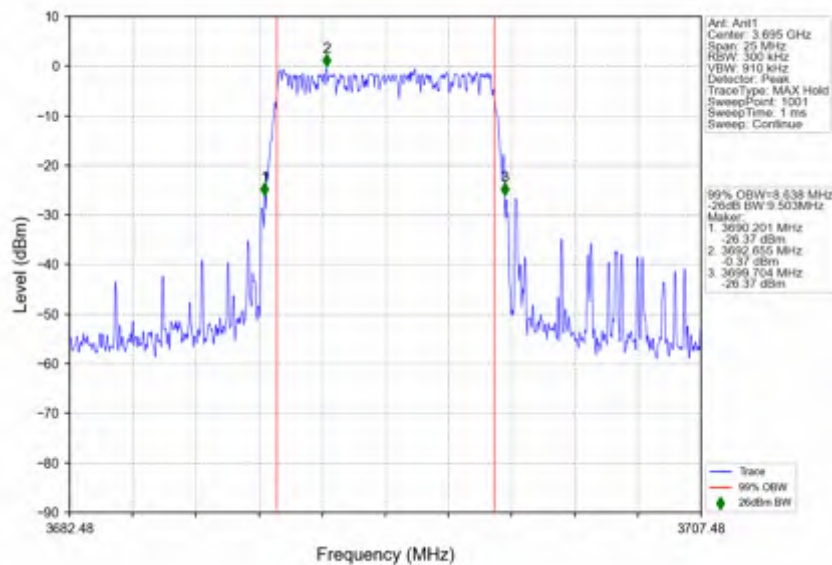
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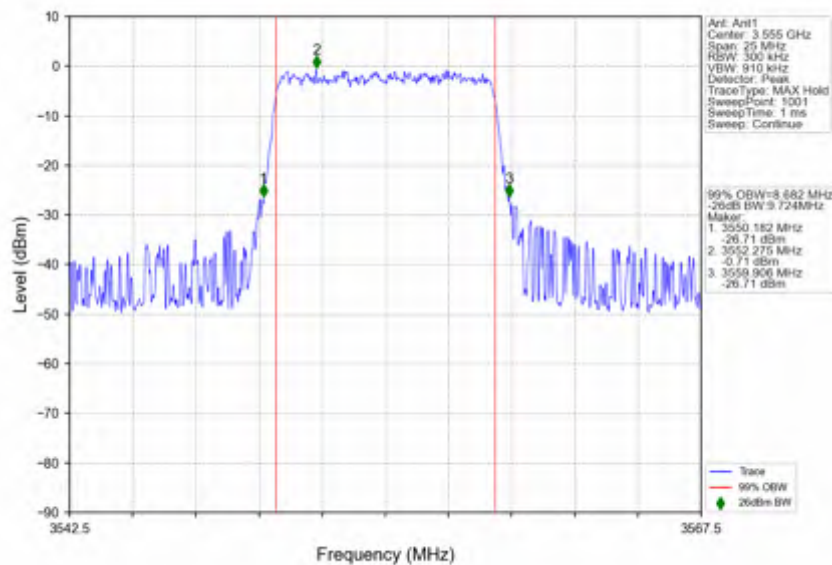
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n78d_30kHz_SISO_NTNV_10MHz_DFT-s-OFDM 256 QAM_3694.98MHz_Outer_Full



n78d_30kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_3555MHz_Outer_Full



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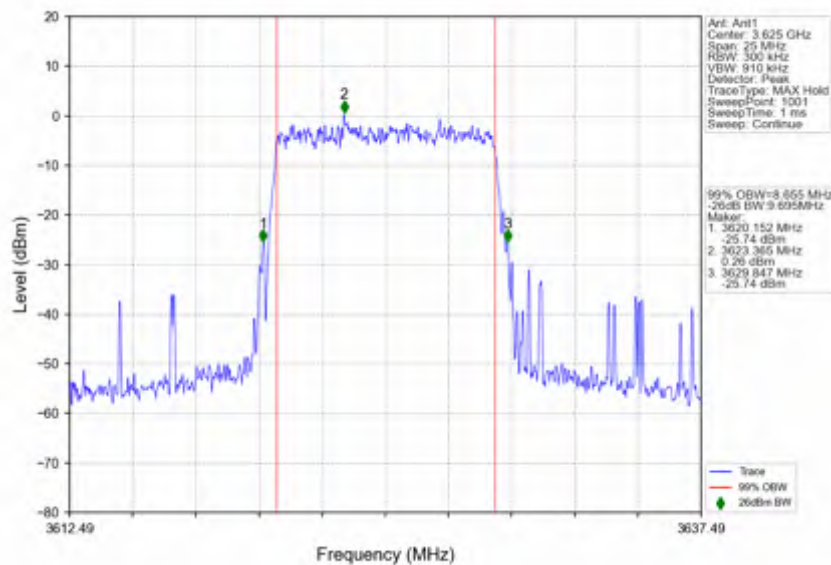
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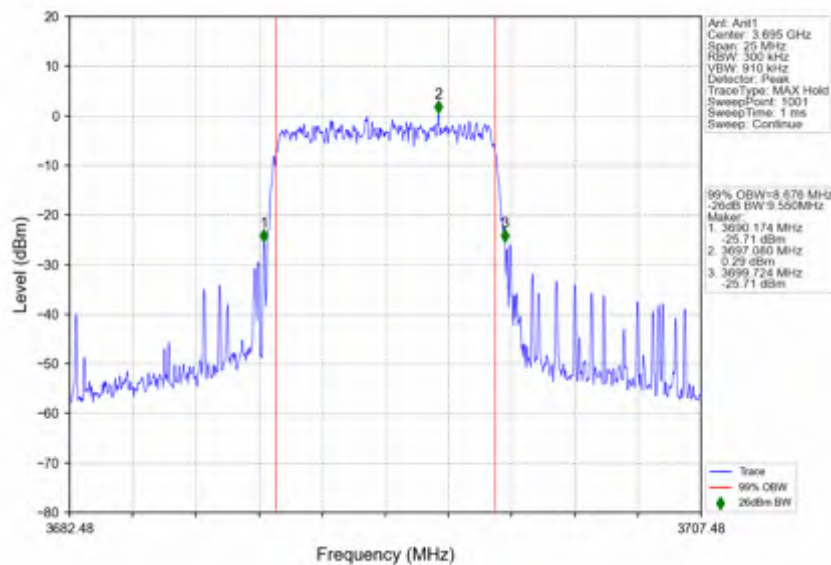
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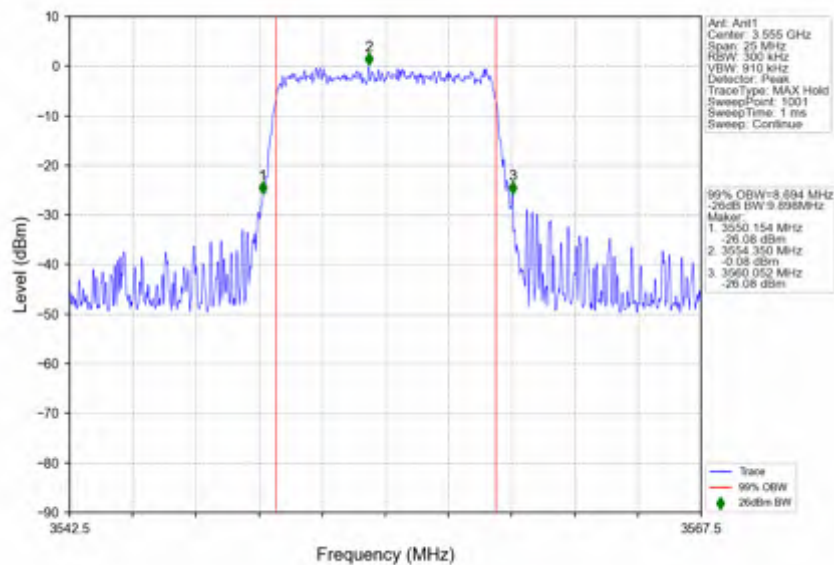
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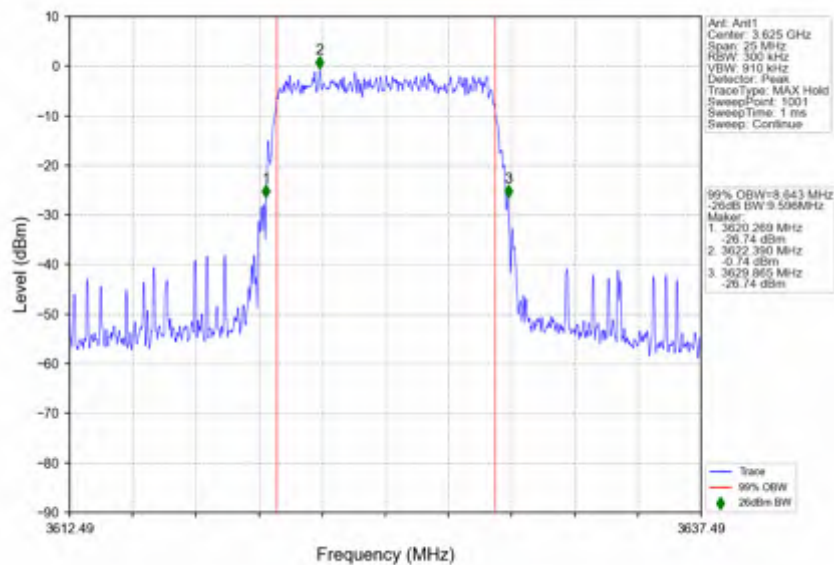
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n78d 30kHz SISO NTNv 10MHz CP-OFDM 16 QAM 3624.99MHz Outer Full

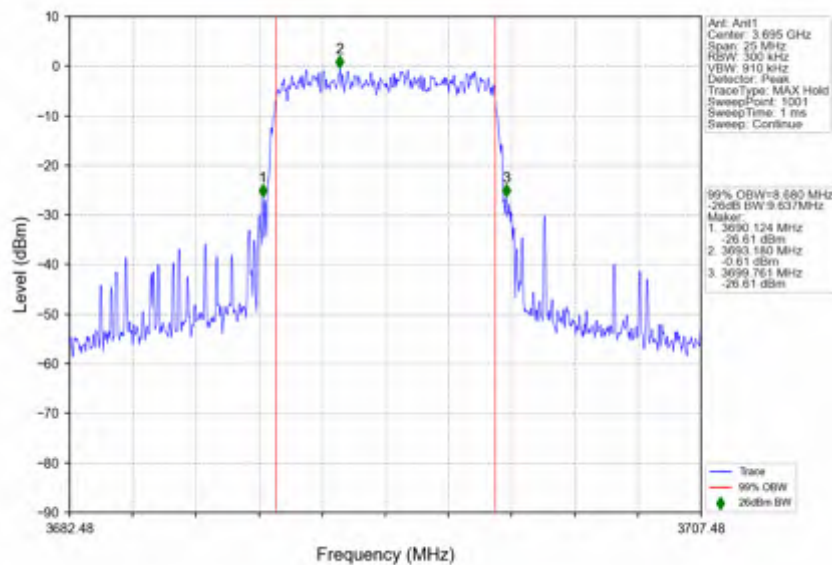


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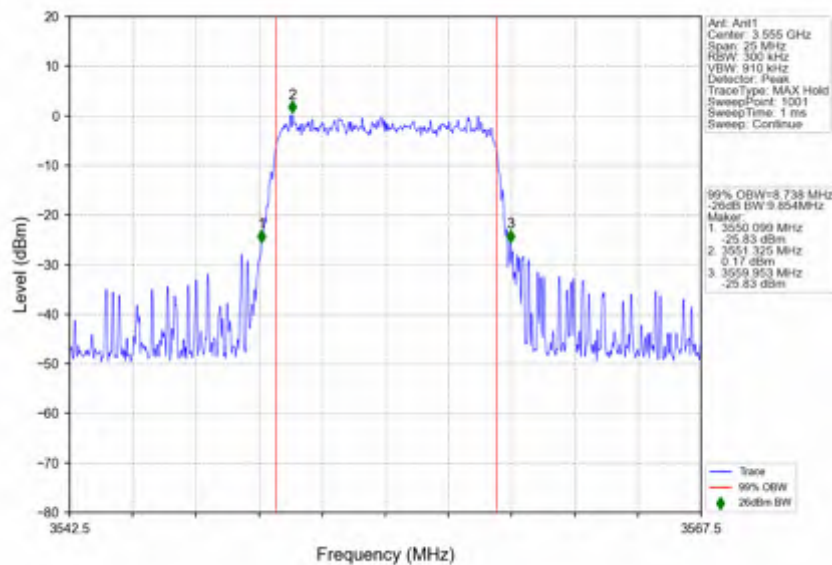
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n78d_30kHz_SISO_NTNV_10MHz_CP-OFDM 16 QAM 3694.98MHz_Outer_Full



n78d_30kHz_SISO_NTNV_10MHz_CP-OFDM 64 QAM 3555MHz_Outer_Full



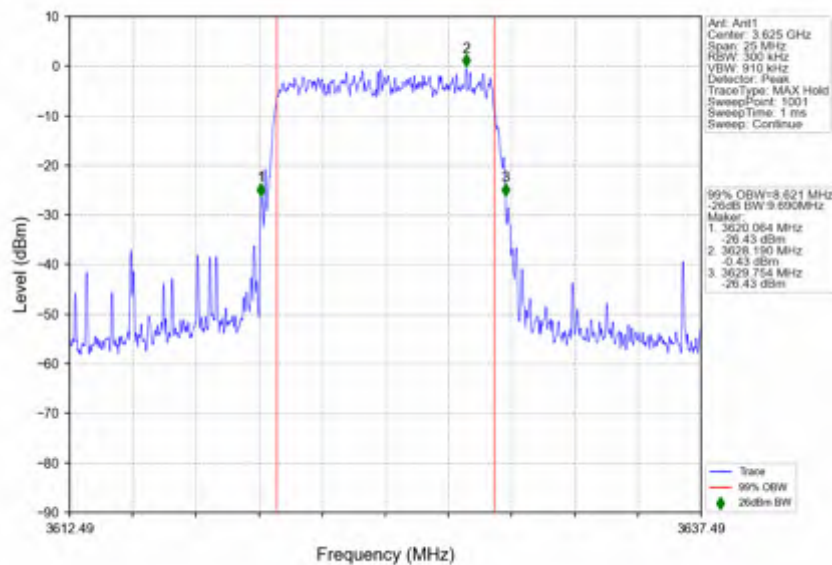
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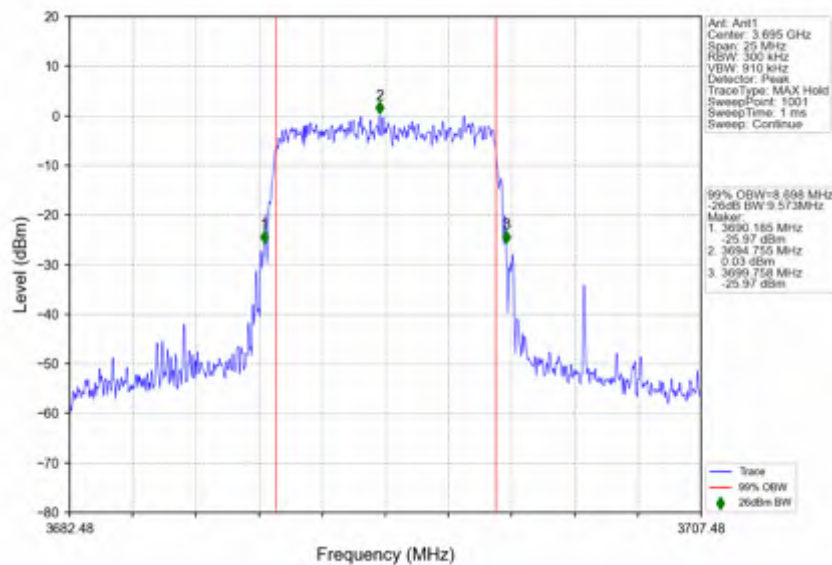
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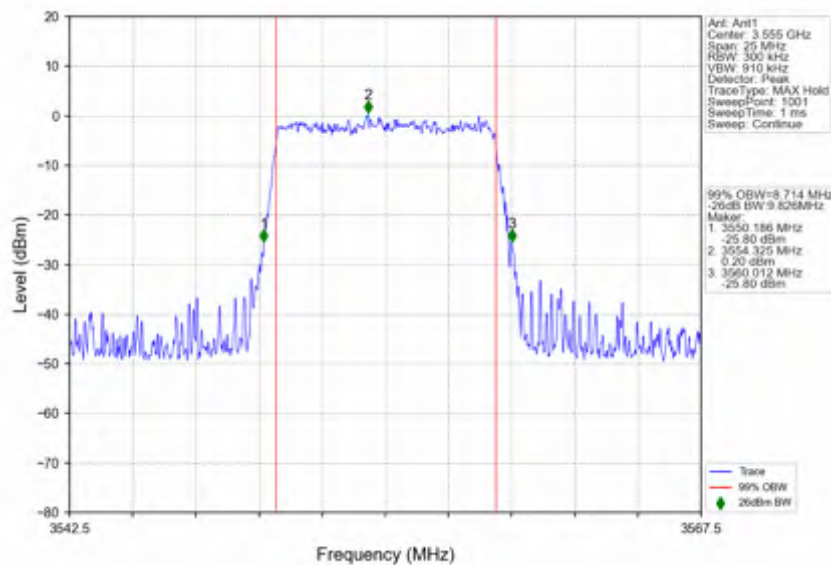
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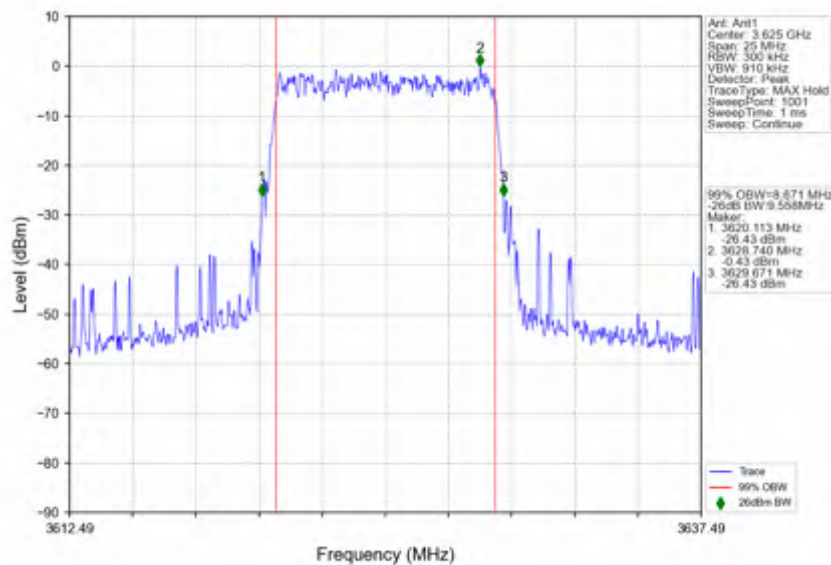
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n78d_30kHz_SISO_NTNV_10MHz_CP-OFDM_256_QAM_3624.99MHz_Outer_Full



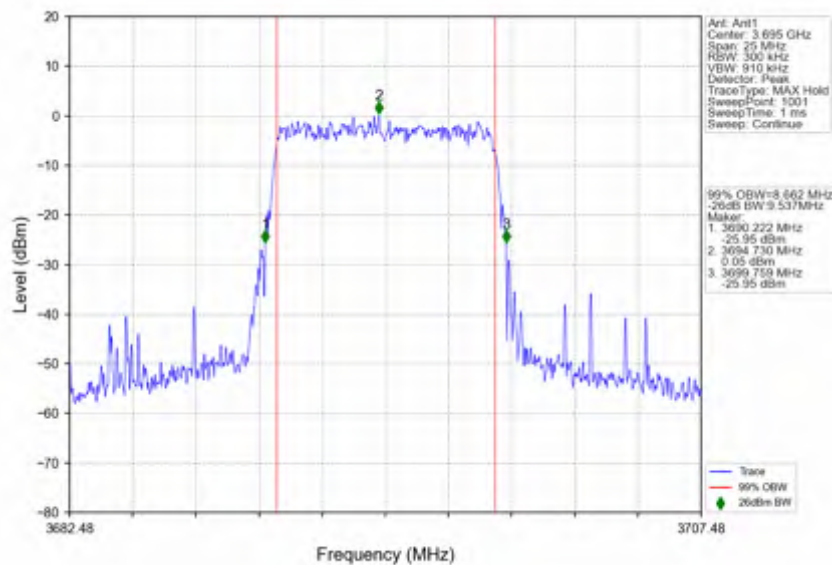
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8.9 30k_SISO_15MHz_NTNV

8.9.1 Test Result

5G NR n78d SCS=30kHz SISO 15MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3557.52	Outer_Full	13.07	14.52	/	Pass
	3624.99	Outer_Full	13.08	14.41	/	Pass
	3692.49	Outer_Full	13.04	14.08	/	Pass
DFT-s-OFDM QPSK	3557.52	Outer_Full	13.05	14.53	/	Pass
	3624.99	Outer_Full	13.05	14.19	/	Pass
	3692.49	Outer_Full	13.05	14.32	/	Pass
DFT-s-OFDM 16 QAM	3557.52	Outer_Full	13.11	14.48	/	Pass
	3624.99	Outer_Full	13.02	14.35	/	Pass
	3692.49	Outer_Full	13.03	14.32	/	Pass
DFT-s-OFDM 64 QAM	3557.52	Outer_Full	13.06	14.48	/	Pass
	3624.99	Outer_Full	13.03	14.25	/	Pass
	3692.49	Outer_Full	13.08	14.52	/	Pass
DFT-s-OFDM 256 QAM	3557.52	Outer_Full	13.04	14.78	/	Pass
	3624.99	Outer_Full	13.01	14.34	/	Pass
	3692.49	Outer_Full	13.06	14.22	/	Pass
CP-OFDM QPSK	3557.52	Outer_Full	13.73	15.16	/	Pass
	3624.99	Outer_Full	13.72	14.88	/	Pass
	3692.49	Outer_Full	13.73	15.19	/	Pass
CP-OFDM 16 QAM	3557.52	Outer_Full	13.71	15.11	/	Pass
	3624.99	Outer_Full	13.74	15.11	/	Pass
	3692.49	Outer_Full	13.73	15.74	/	Pass
CP-OFDM 64 QAM	3557.52	Outer_Full	13.76	15.22	/	Pass
	3624.99	Outer_Full	13.71	14.96	/	Pass
	3692.49	Outer_Full	13.72	14.95	/	Pass
CP-OFDM 256 QAM	3557.52	Outer_Full	13.76	15.05	/	Pass
	3624.99	Outer_Full	13.71	14.74	/	Pass
	3692.49	Outer_Full	13.77	14.87	/	Pass



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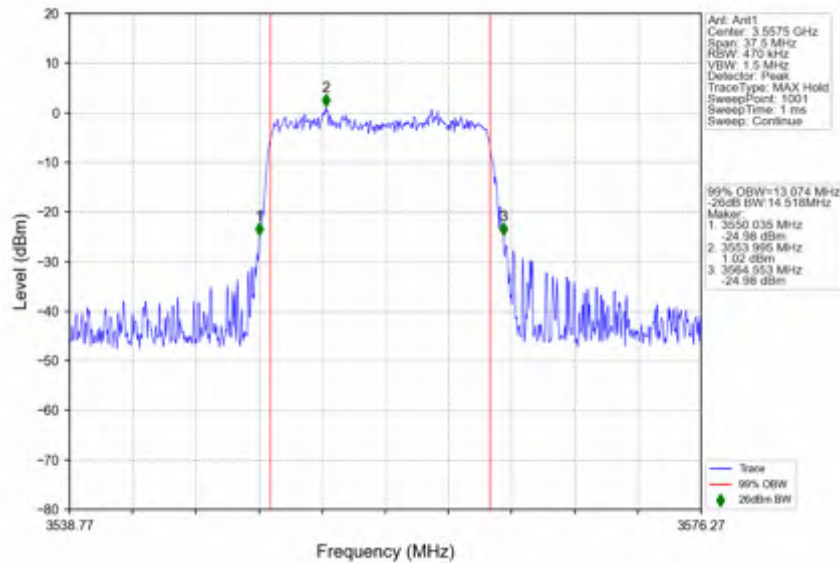
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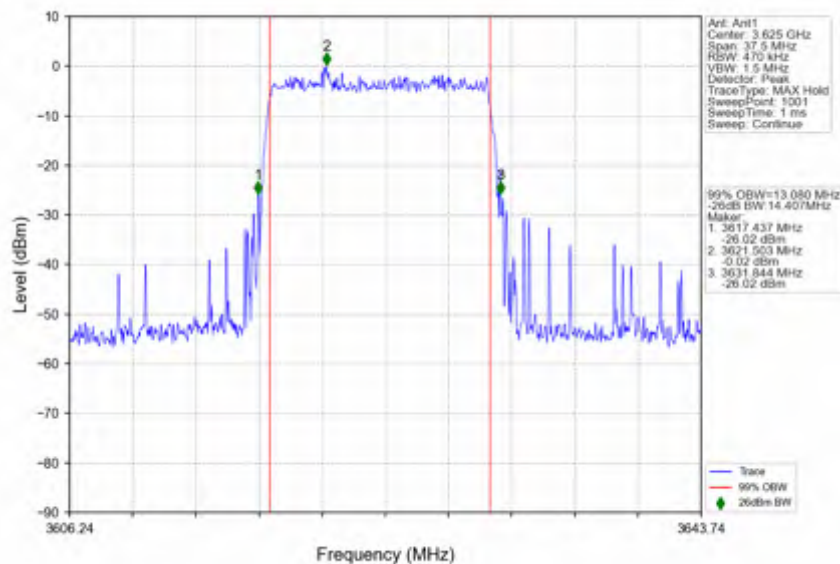
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8.9.2 Test Graph

n78d_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_3557.52MHz_Outer_Full



n78d_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_3624.99MHz_Outer_Full

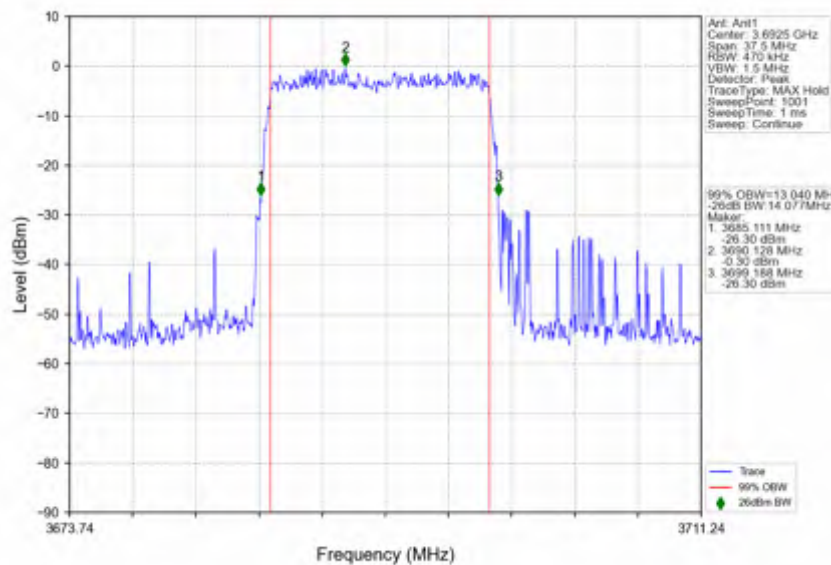


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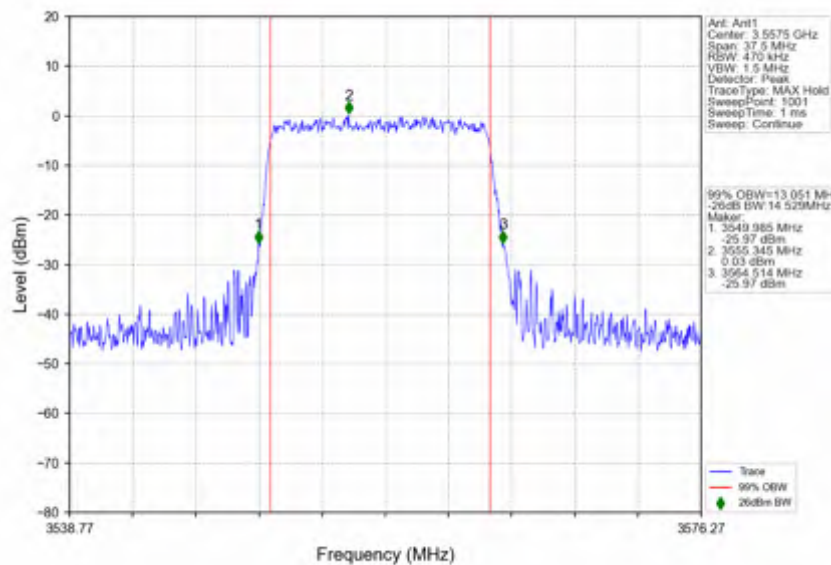
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n78d_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_PI/2_BPSK_3692.49MHz_Outer_Full



n78d	30kHz	SISO	NTNV	15MHz	DFT-s-OFDM	QPSK	3557.52MHz	Outer	Full
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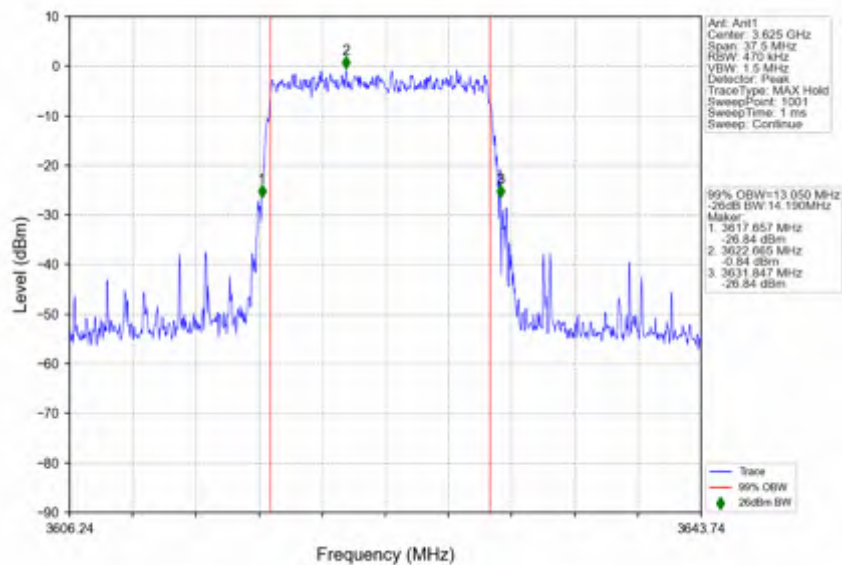


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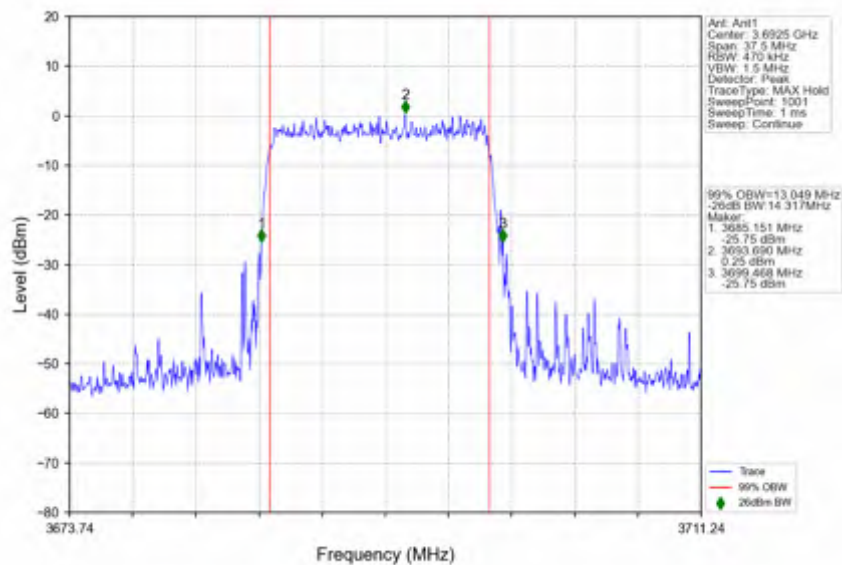
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n78d_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_QPSK_3692.49MHz_Outer_Full



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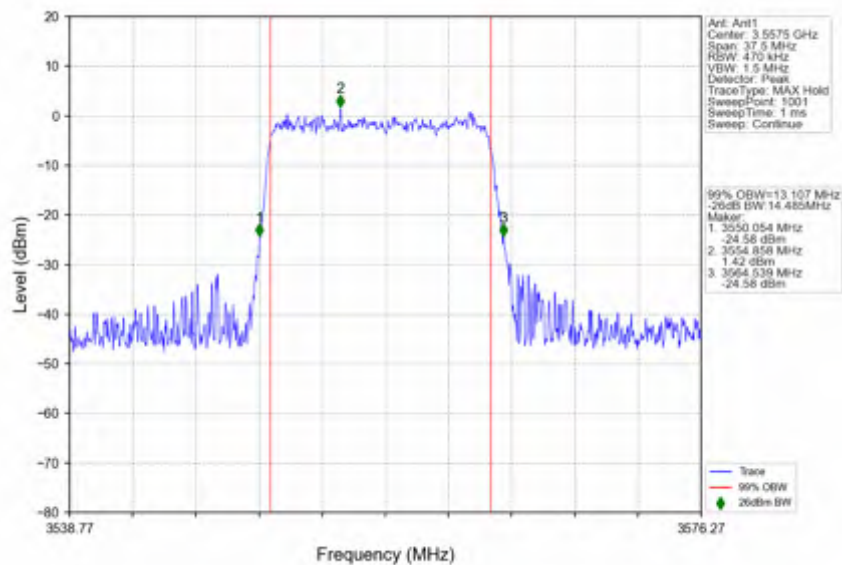
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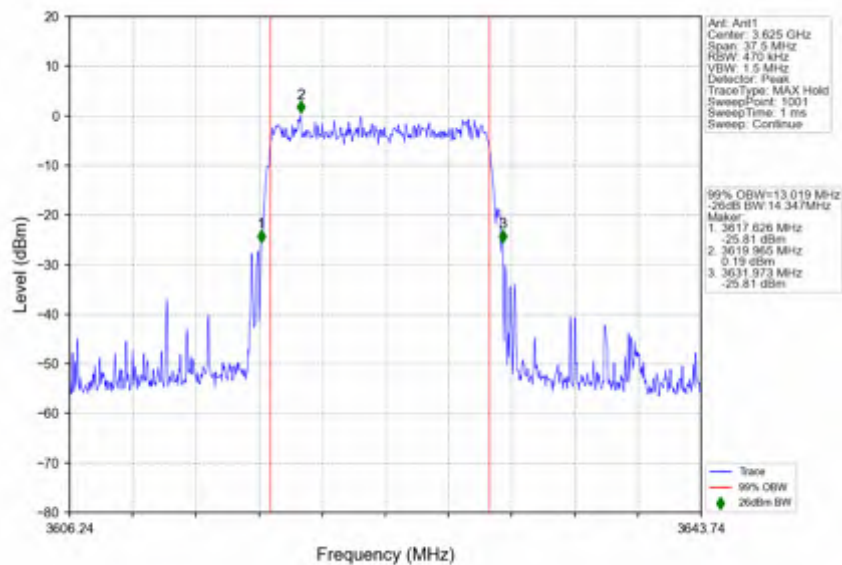
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n78d_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_16_QAM_3557.52MHz_Outer_Full



n78d_30kHz_SISO_NTNV_15MHz_DFT-s-OFDM_16_QAM_3624.99MHz_Outer_Full

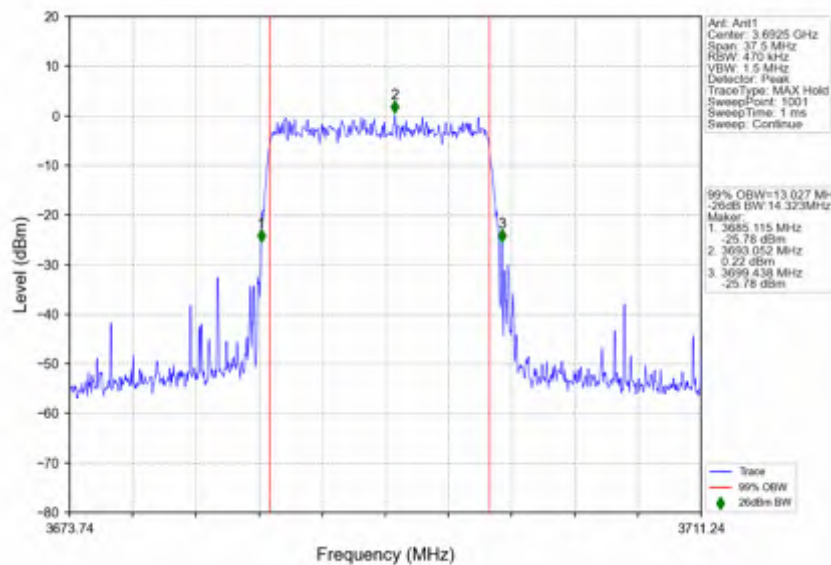


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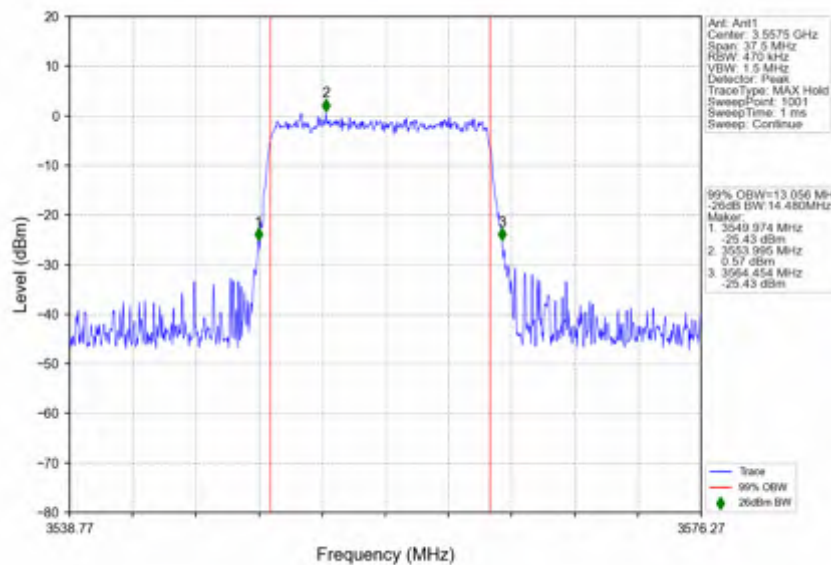
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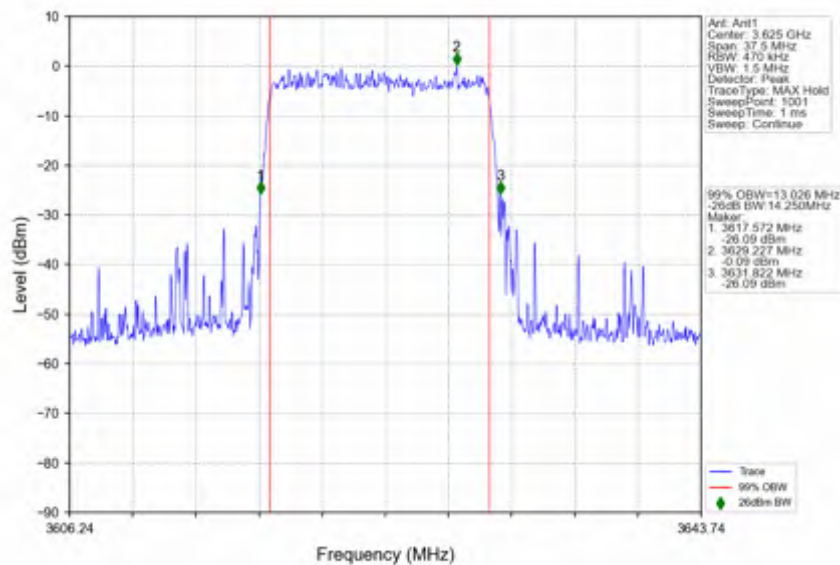


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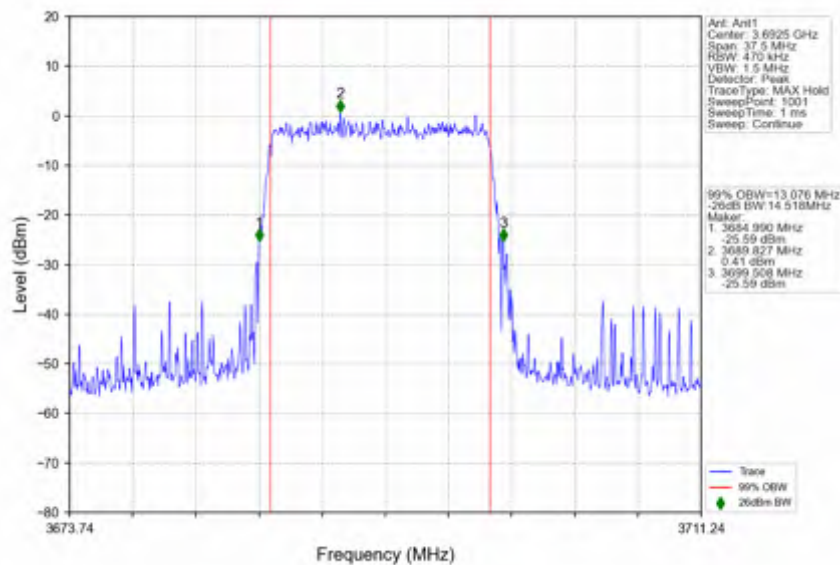
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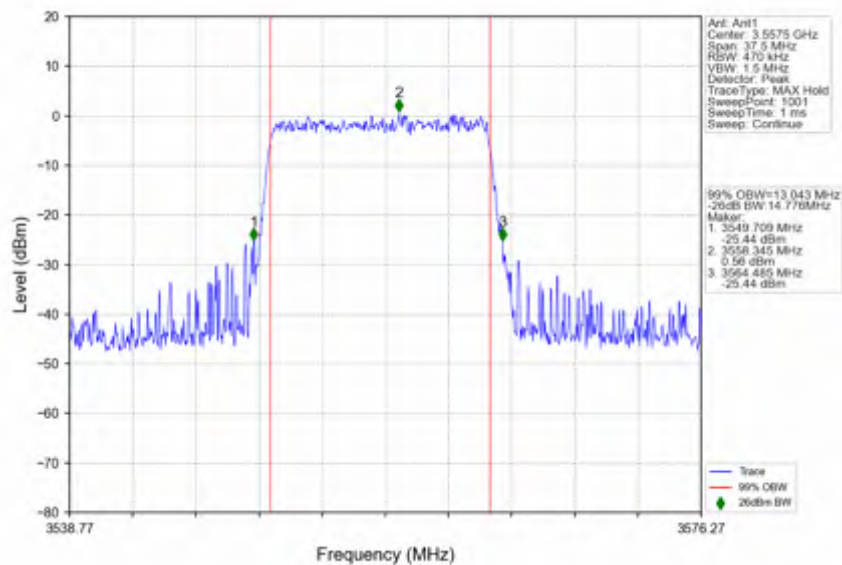
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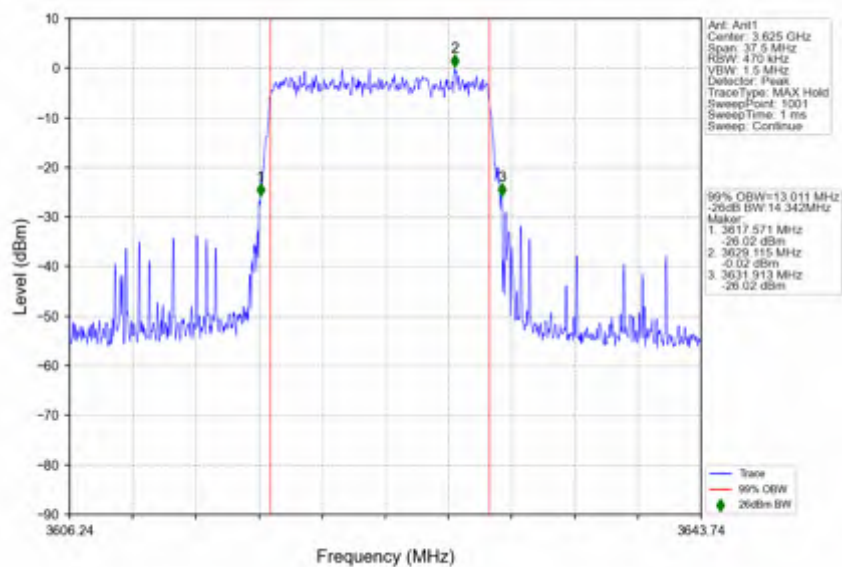
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n78d	30kHz	SISO	NTNV	15MHz	DFT-s-OFDM	256 QAM	3624.99MHz	Outer	Full
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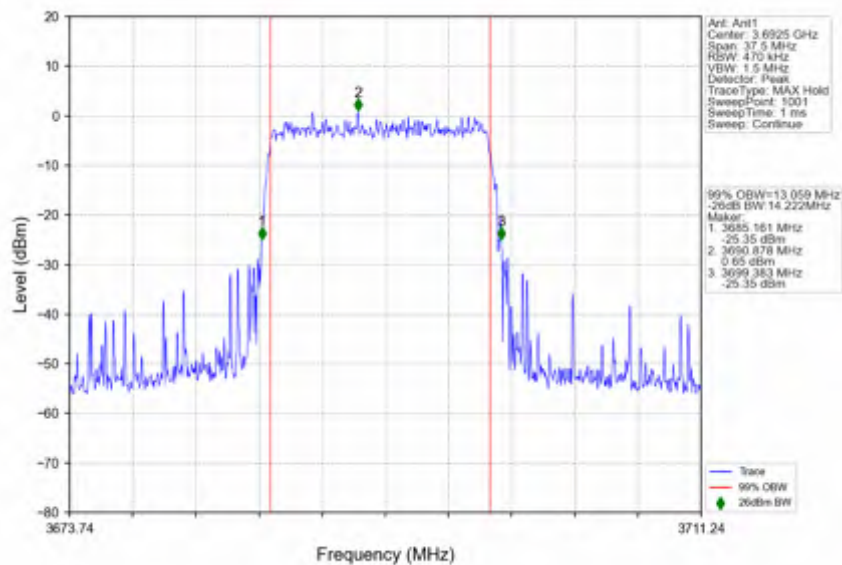


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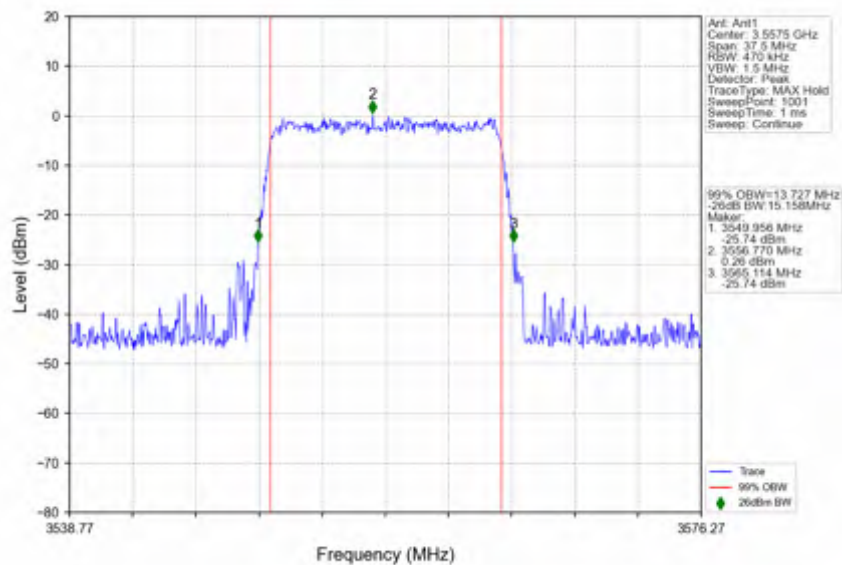
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n78d 30kHz SISO NTNv 15MHz CP-OFDM QPSK 3557.52MHz Outer Full

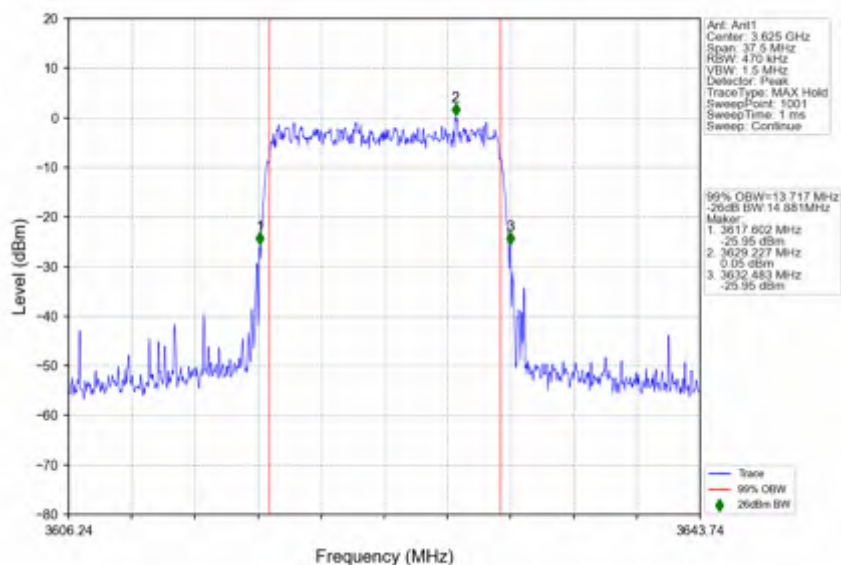


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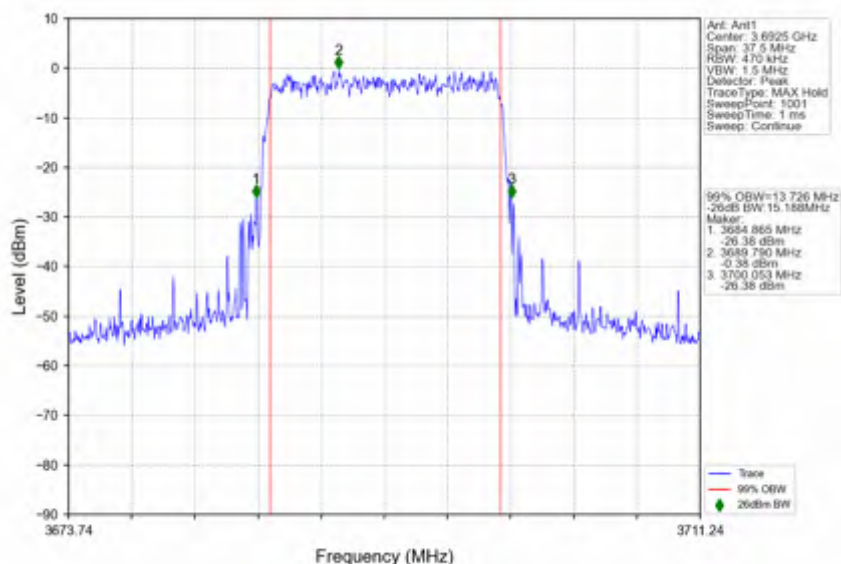
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n78d 30kHz SISO NTNv 15MHz CP-OFDM QPSK 3624.99MHz Outer Full



n78d	30kHz	SISO	NTNV	15MHz	CP-OFDM	QPSK	3692.49MHz	Outer	Full
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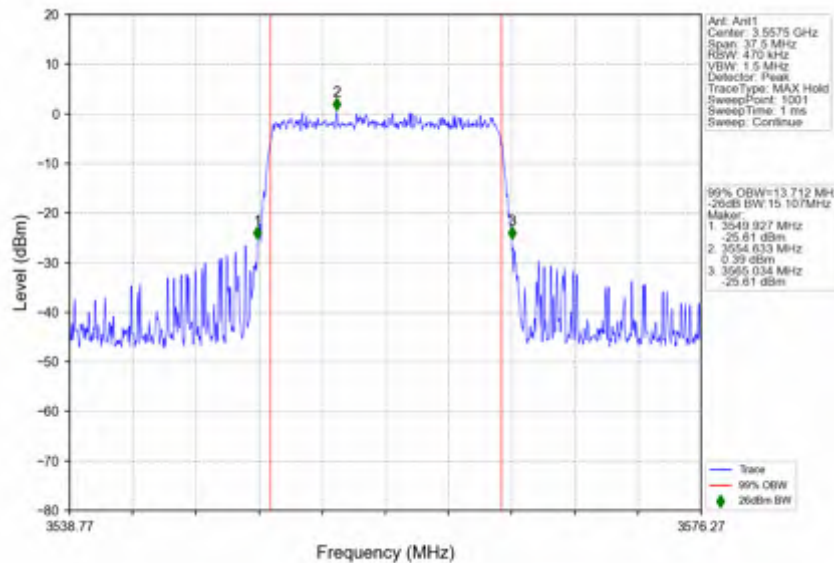


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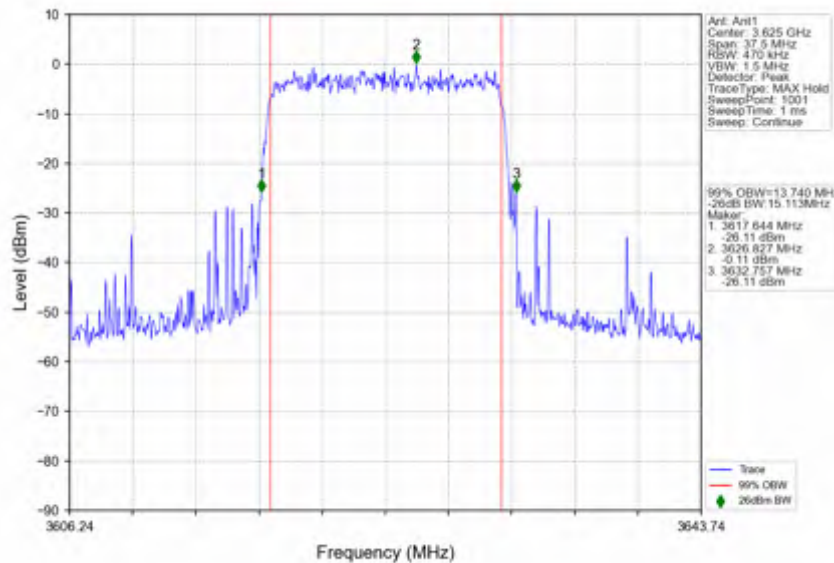
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n78d_30kHz_SISO_NTNV_15MHz_CP-OFDM_16_QAM_3557.52MHz_Outer_Full



n78d_30kHz_SISO_NTNV_15MHz_CP-OFDM_16_QAM_3624.99MHz_Outer_Full



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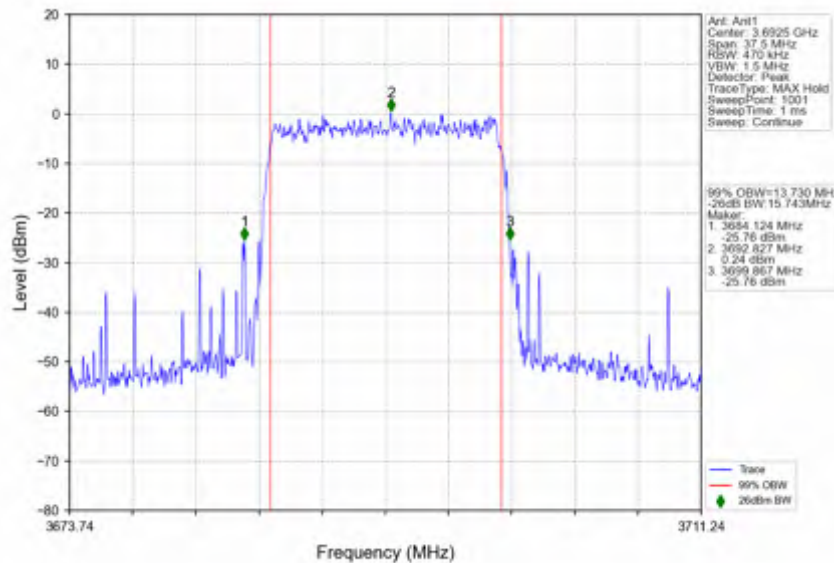
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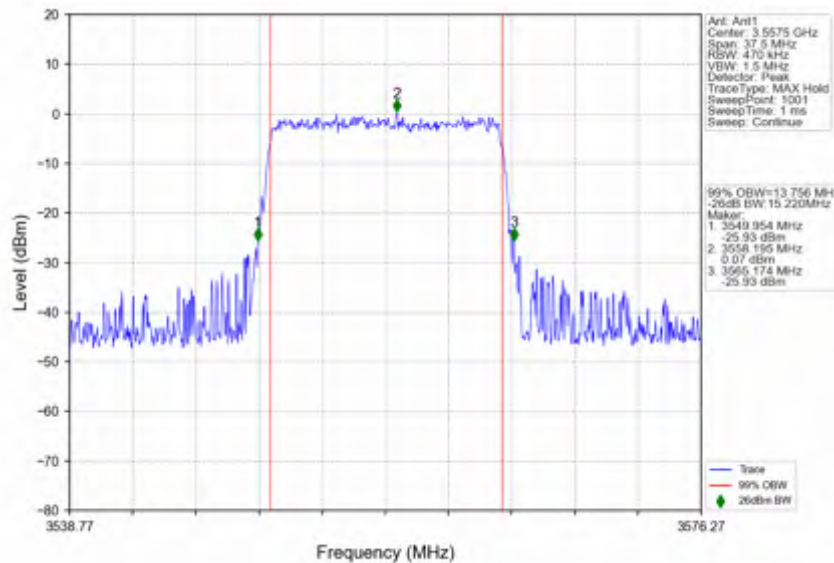
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n78d_30kHz_SISO_NTNV_15MHz_CP-OFDM 16 QAM_3692.49MHz_Outer_Full



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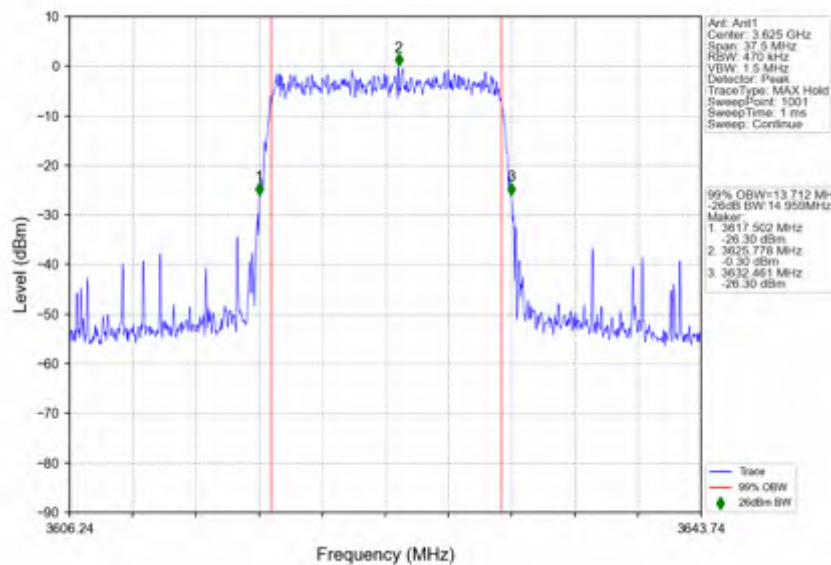
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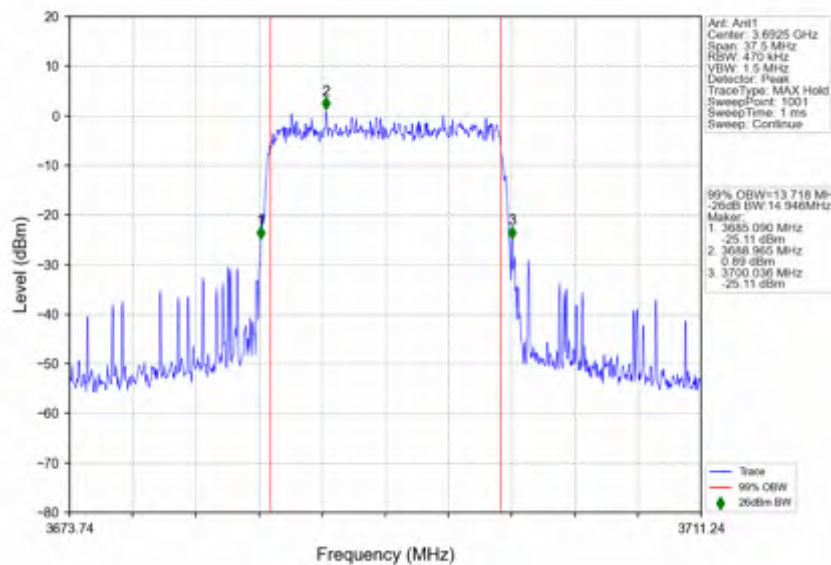
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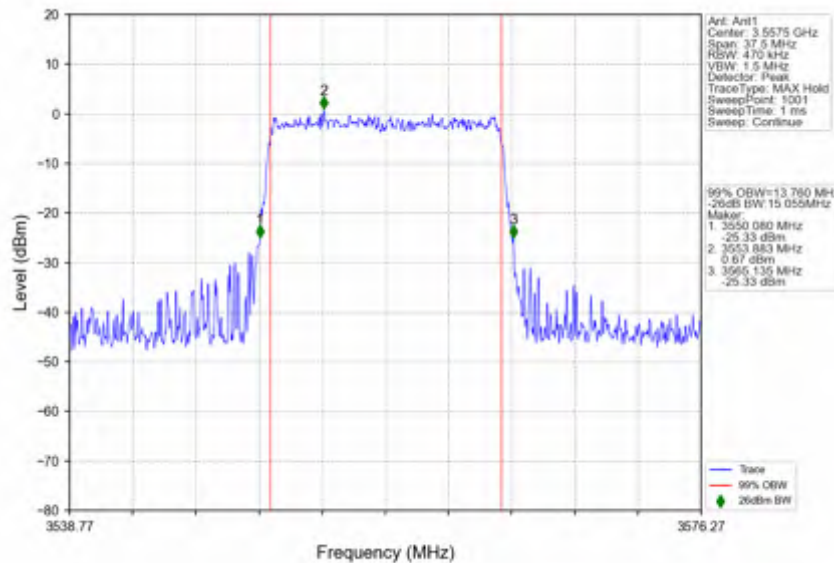
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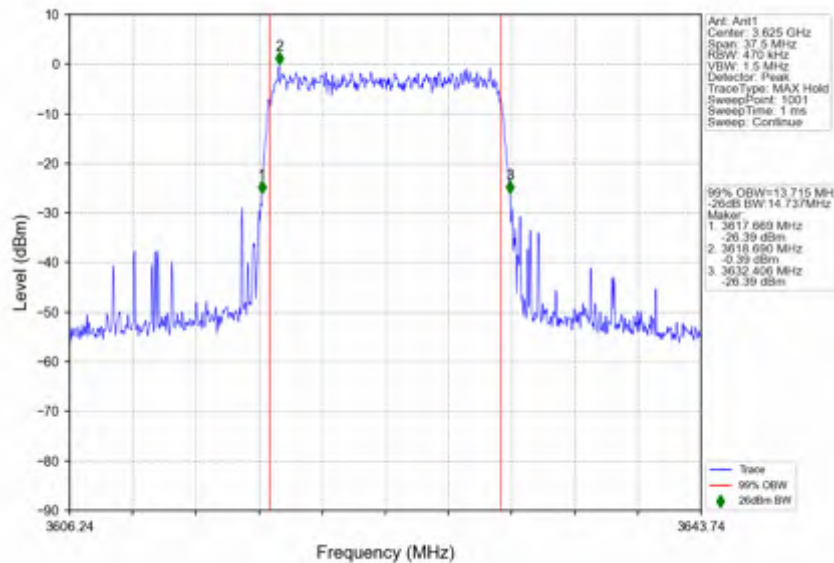
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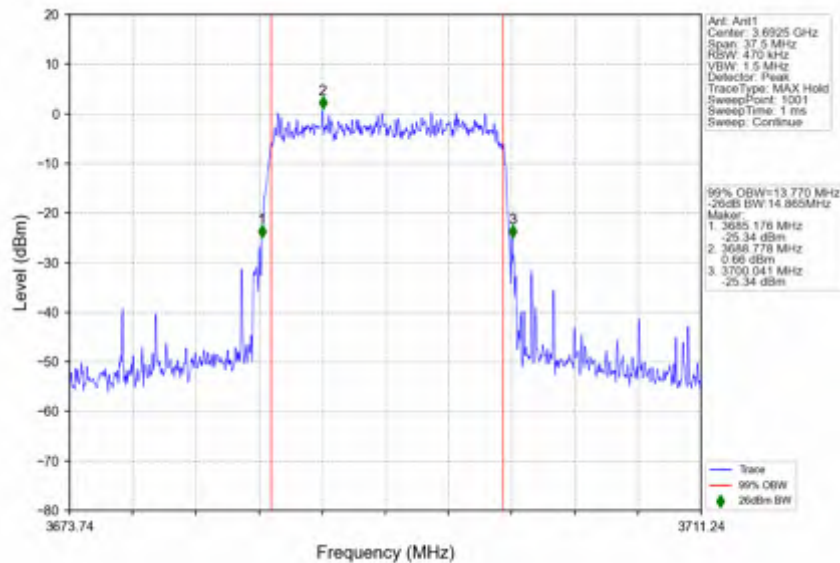


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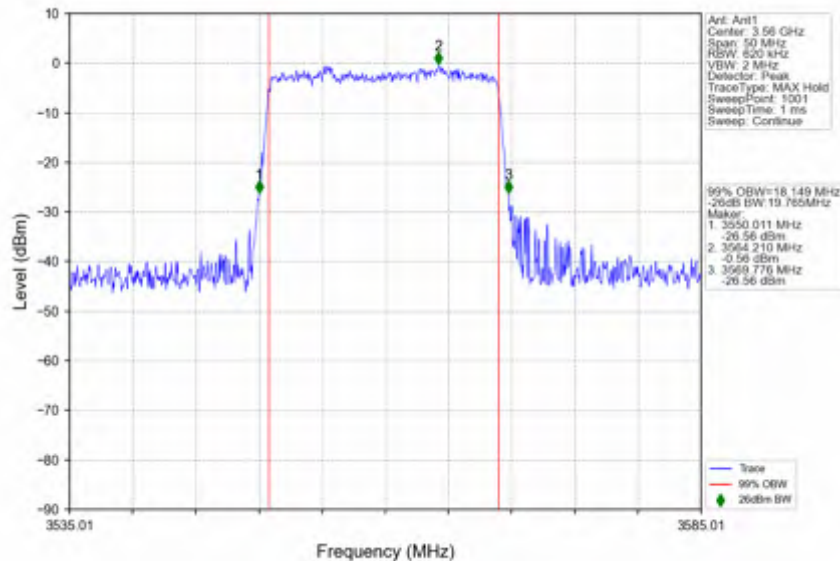
8.10 30k_SISO_20MHz_NTNV

8.10.1 Test Result

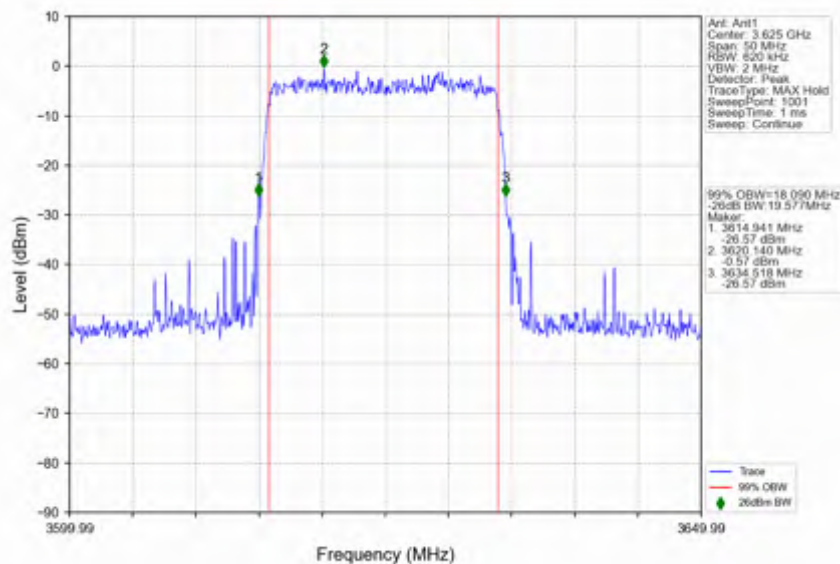
5G NR n78d SCS=30kHz SISO 20MHz NTNV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3560.01	Outer_Full	18.15	19.77	/	Pass
	3624.99	Outer_Full	18.09	19.58	/	Pass
	3690	Outer_Full	18.15	19.45	/	Pass
DFT-s-OFDM QPSK	3560.01	Outer_Full	18.06	19.66	/	Pass
	3624.99	Outer_Full	18.12	19.55	/	Pass
	3690	Outer_Full	18.09	19.60	/	Pass
DFT-s-OFDM 16 QAM	3560.01	Outer_Full	18.22	19.84	/	Pass
	3624.99	Outer_Full	18.10	19.50	/	Pass
	3690	Outer_Full	18.11	19.53	/	Pass
DFT-s-OFDM 64 QAM	3560.01	Outer_Full	18.09	19.80	/	Pass
	3624.99	Outer_Full	18.06	19.60	/	Pass
	3690	Outer_Full	18.07	19.39	/	Pass
DFT-s-OFDM 256 QAM	3560.01	Outer_Full	18.05	19.86	/	Pass
	3624.99	Outer_Full	18.04	19.42	/	Pass
	3690	Outer_Full	18.08	19.42	/	Pass
CP-OFDM QPSK	3560.01	Outer_Full	18.35	20.15	/	Pass
	3624.99	Outer_Full	18.35	19.95	/	Pass
	3690	Outer_Full	18.36	19.78	/	Pass
CP-OFDM 16 QAM	3560.01	Outer_Full	18.33	20.09	/	Pass
	3624.99	Outer_Full	18.37	19.63	/	Pass
	3690	Outer_Full	18.35	19.67	/	Pass
CP-OFDM 64 QAM	3560.01	Outer_Full	18.43	19.98	/	Pass
	3624.99	Outer_Full	18.40	19.84	/	Pass
	3690	Outer_Full	18.35	19.88	/	Pass
CP-OFDM 256 QAM	3560.01	Outer_Full	18.40	20.11	/	Pass
	3624.99	Outer_Full	18.42	19.83	/	Pass
	3690	Outer_Full	18.34	19.66	/	Pass

8.10.2 Test Graph

n78d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3560.01MHz_Outer_Full



n78d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM PI/2 BPSK_3624.99MHz_Outer_Full



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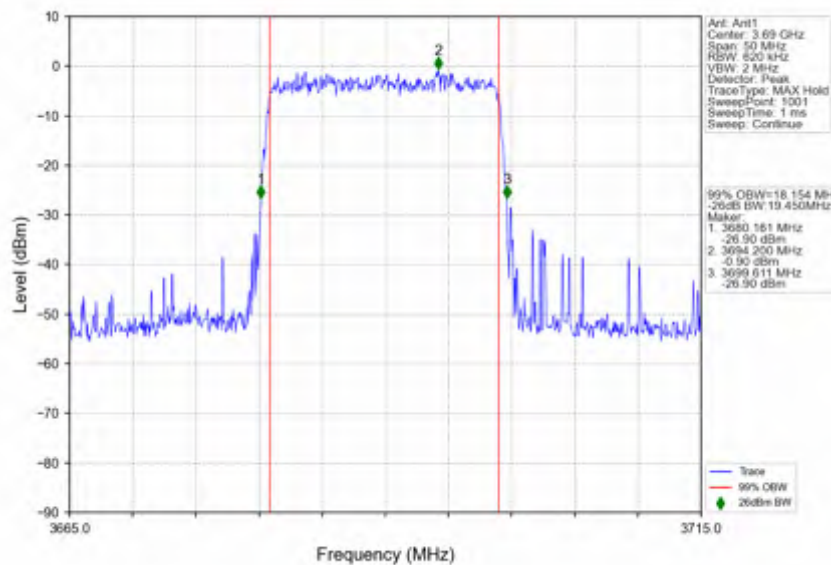
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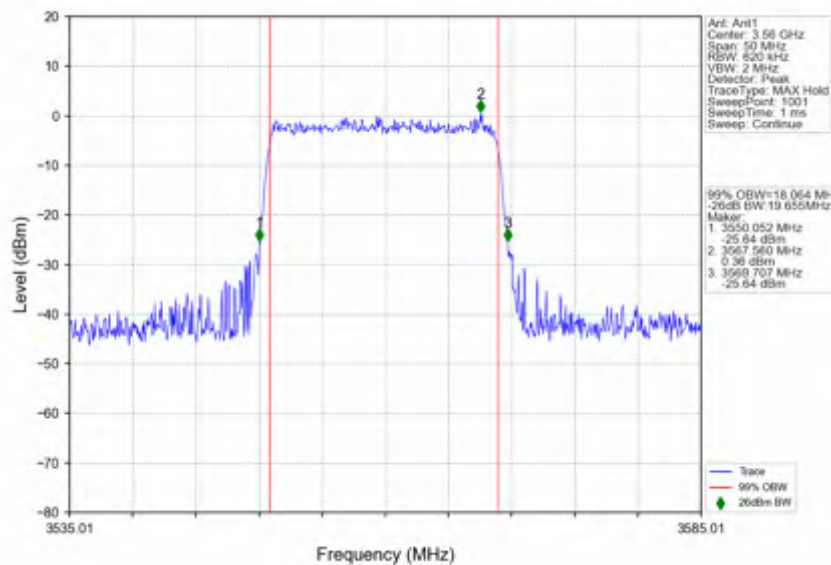
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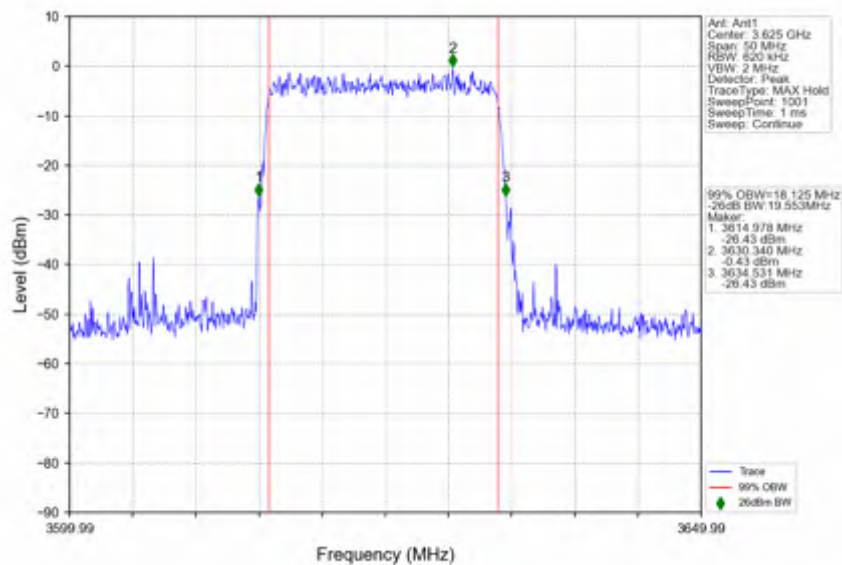
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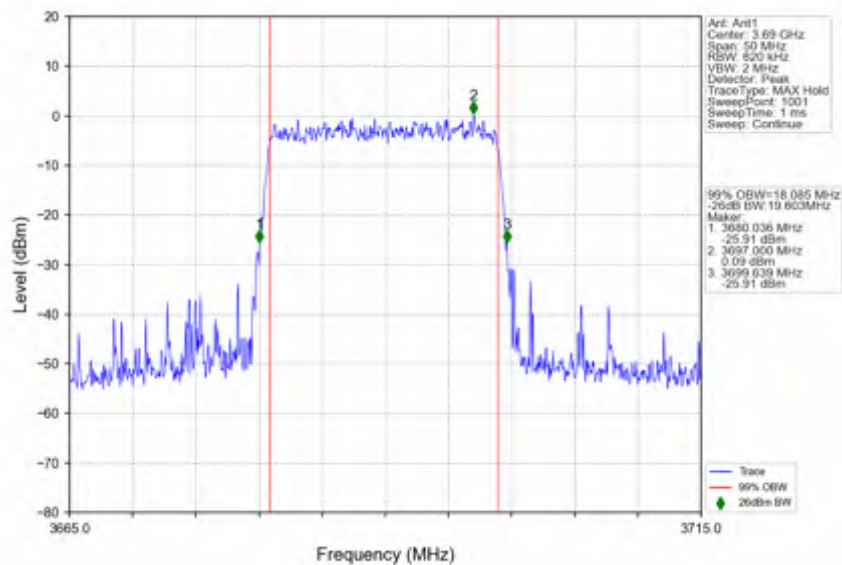
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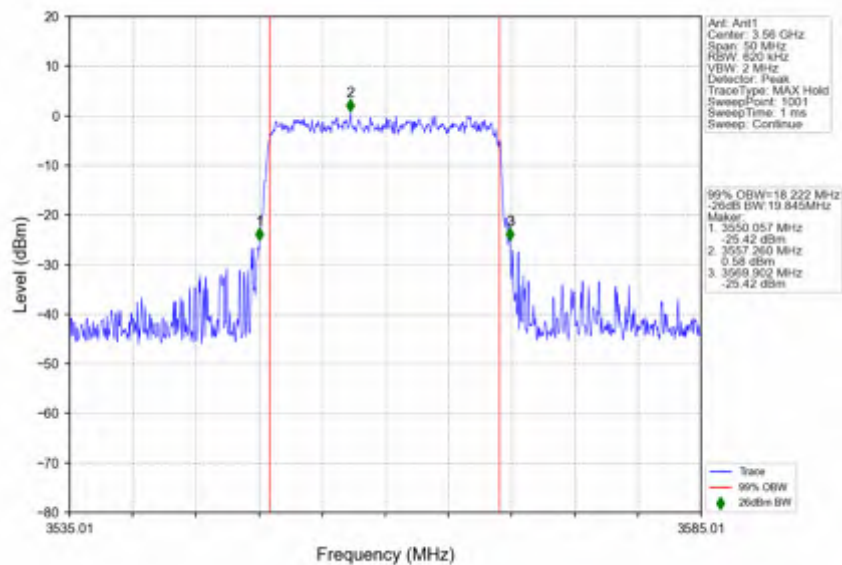
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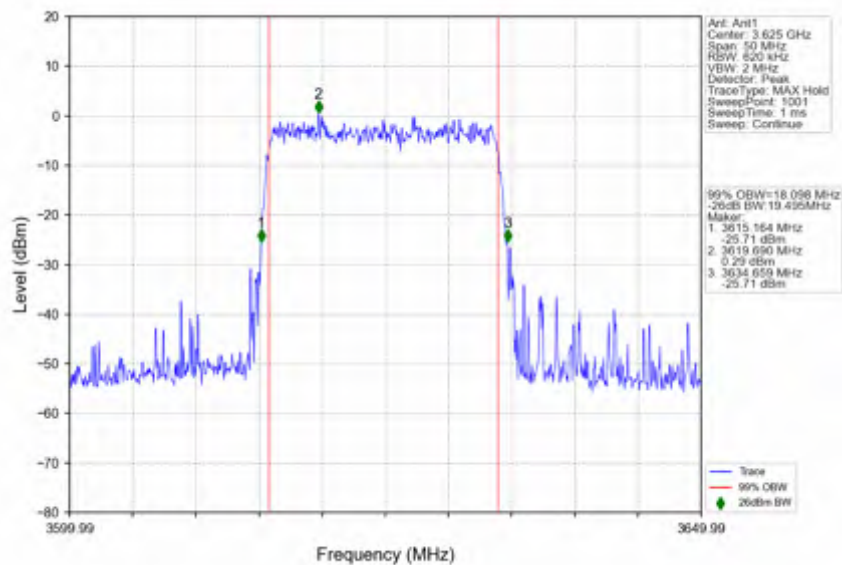
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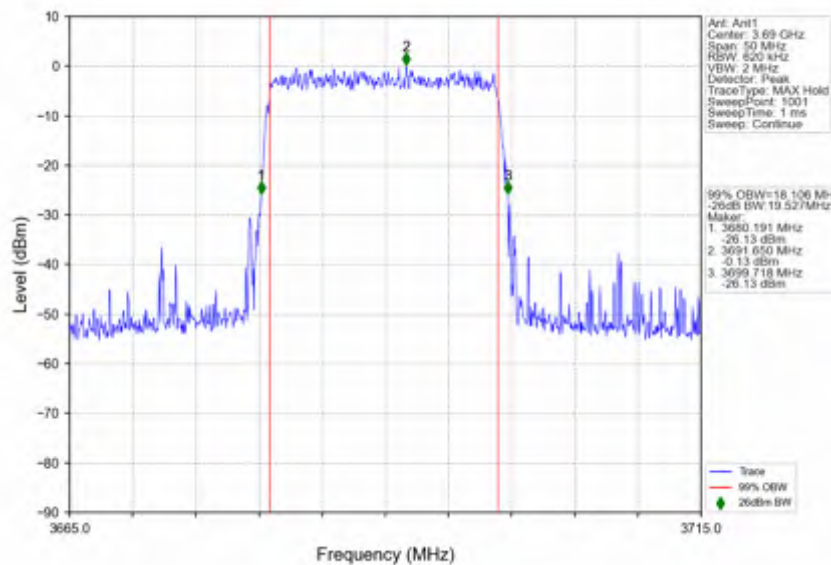


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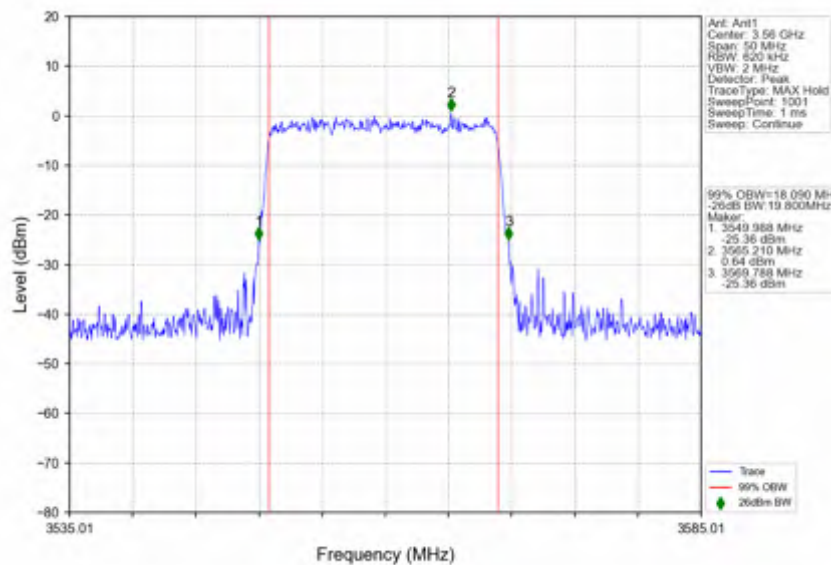
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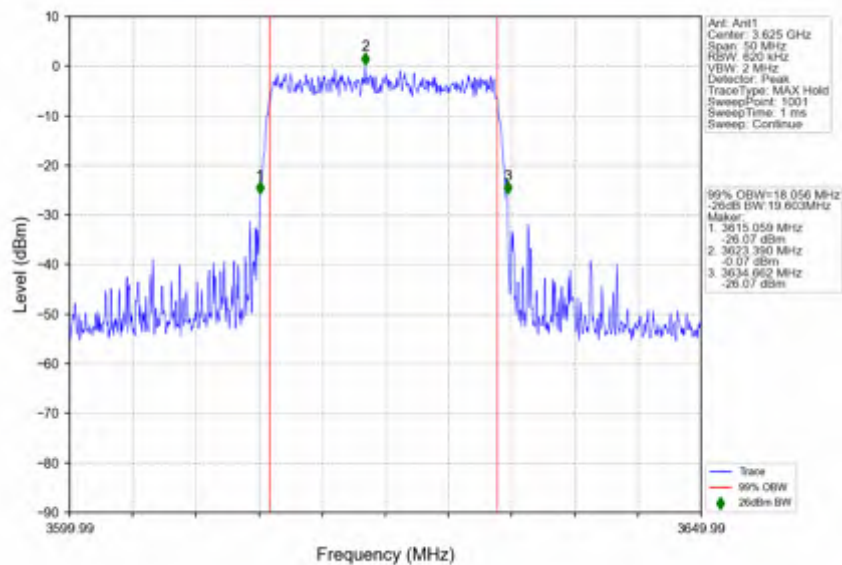
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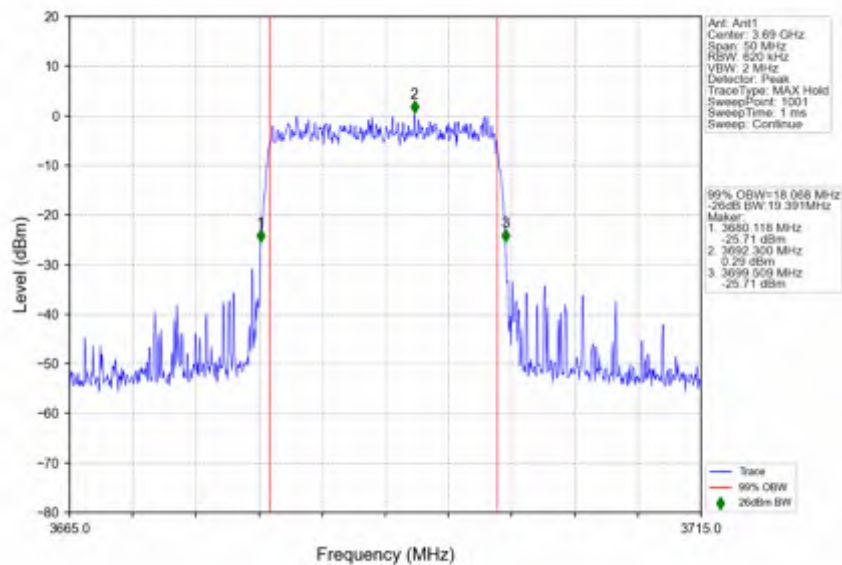
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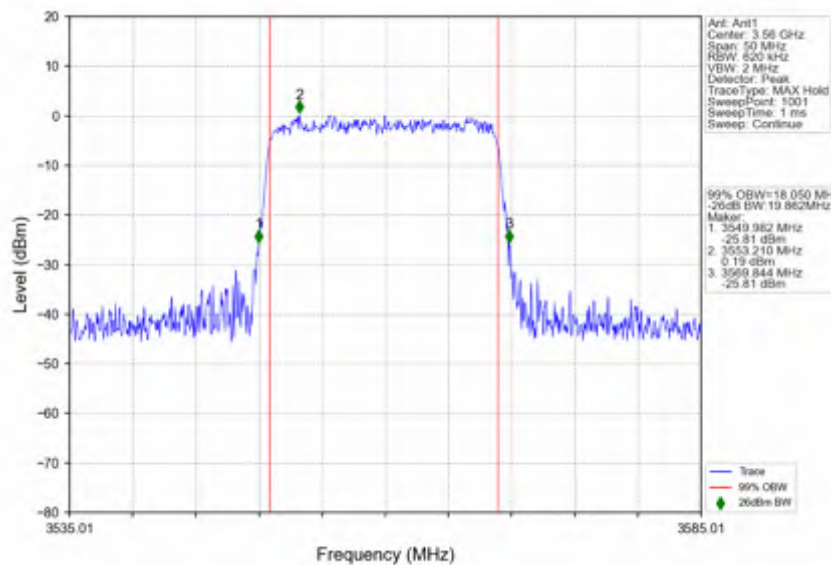


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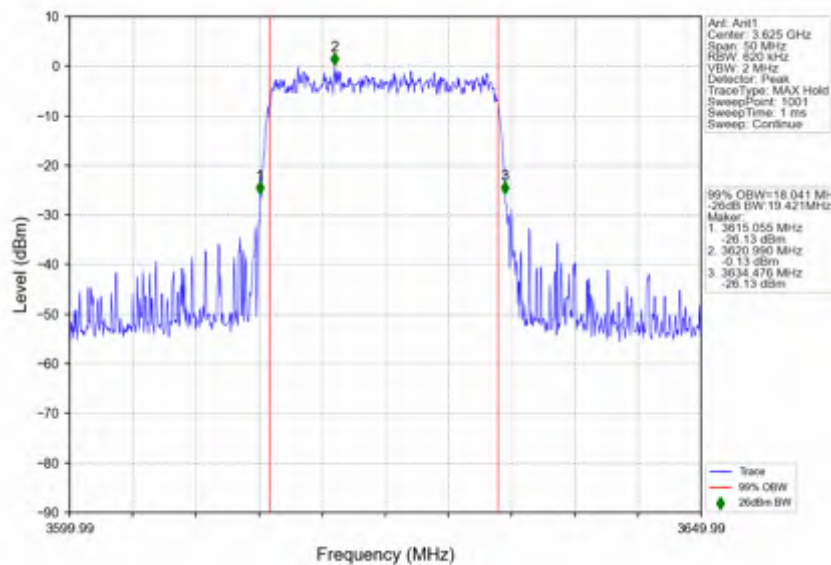
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n78d_30kHz_SISO_NTNV_20MHz_DFT-s-OFDM_256_QAM_3624.99MHz_Outer_Full

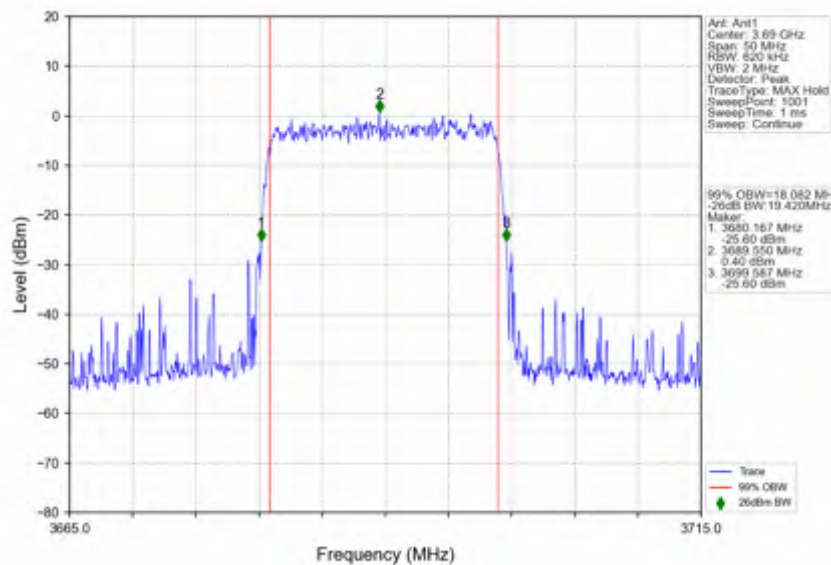


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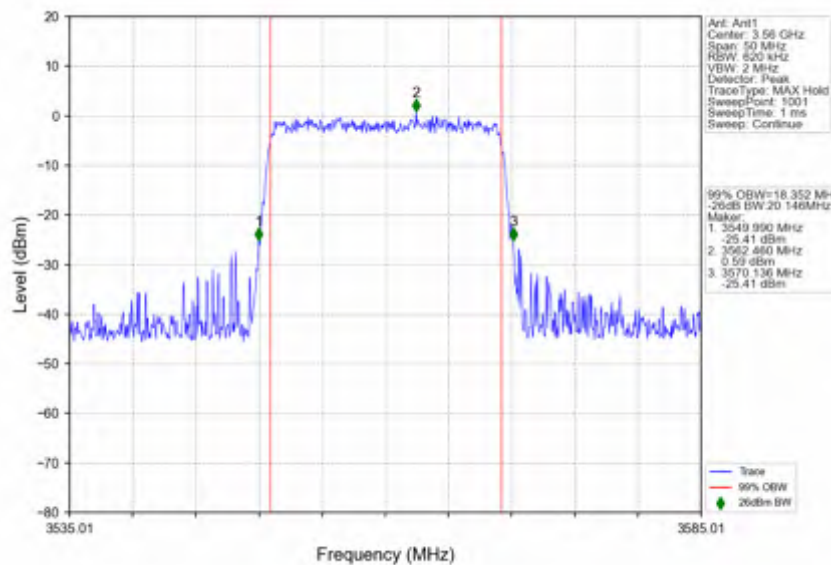
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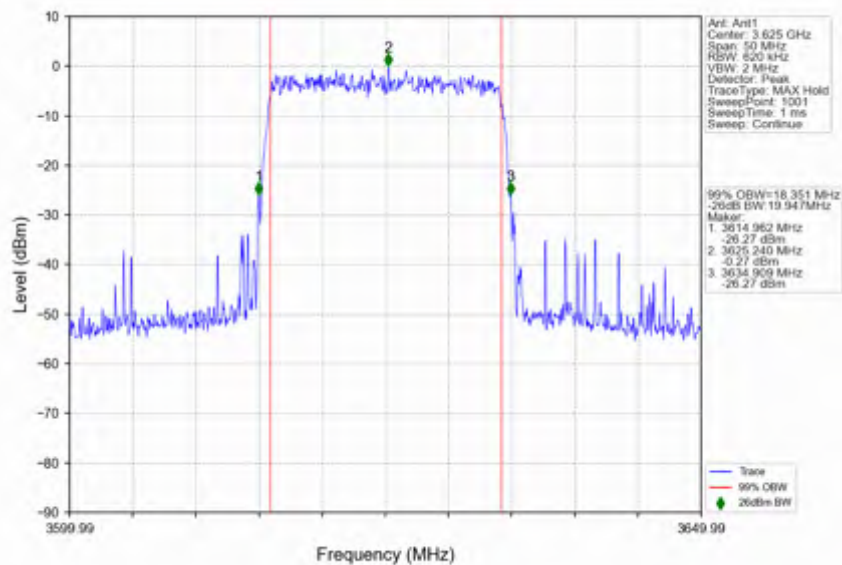


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 In case of a dispute, the competent court of law shall be the court of the place where the contract was concluded.
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 En cas de litige, le tribunal compétent sera le tribunal du lieu où le contrat a été conclu.
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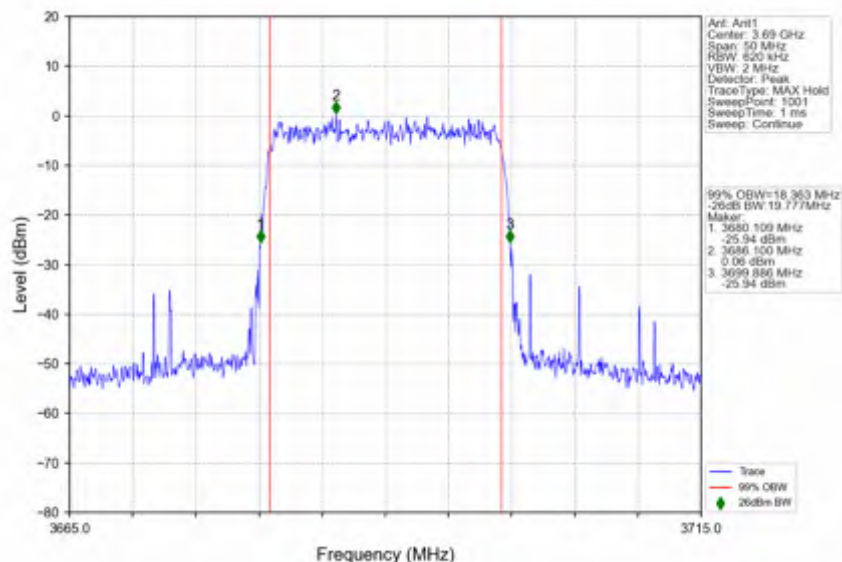
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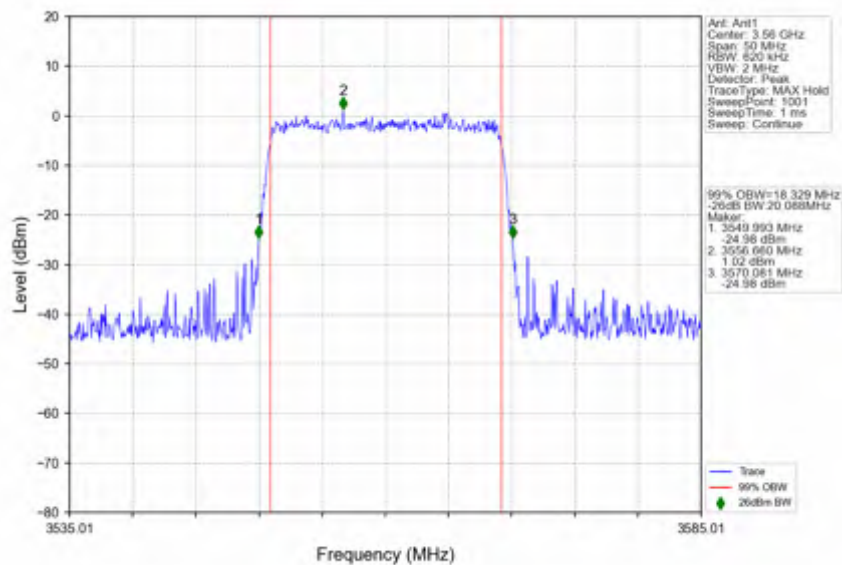
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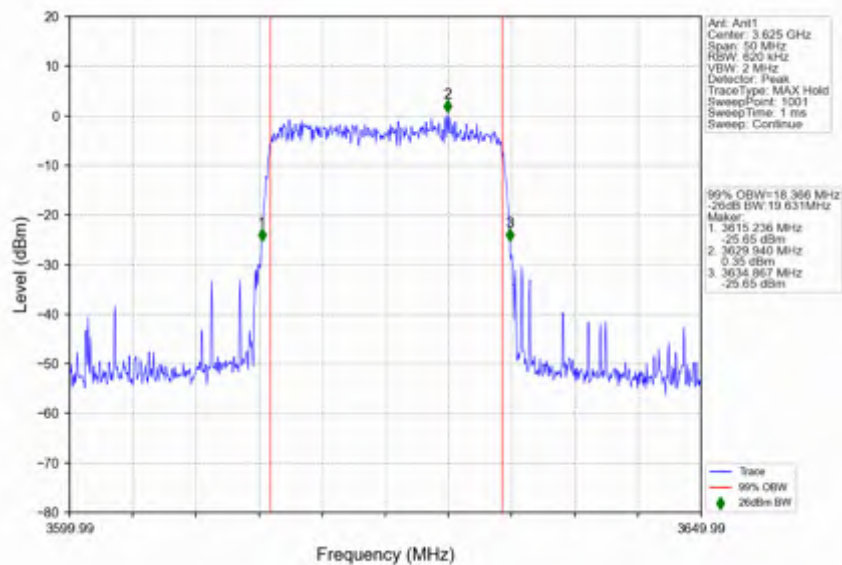
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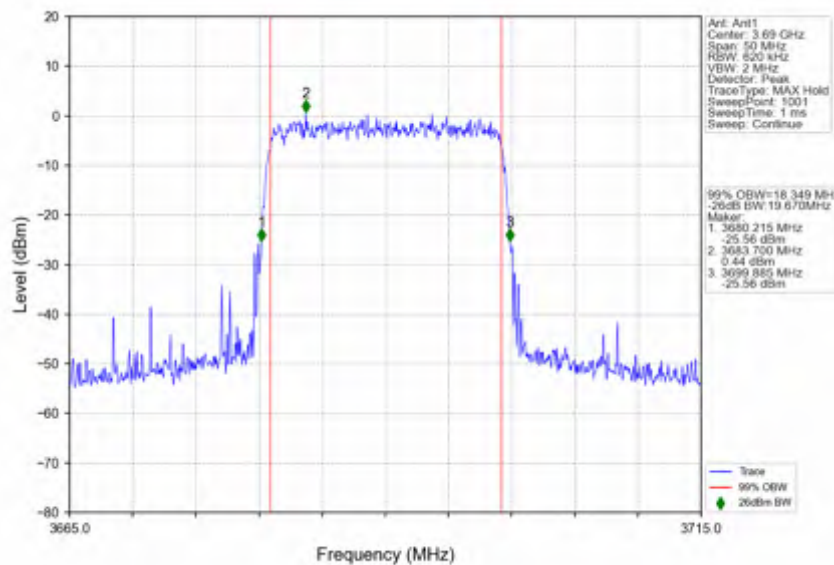
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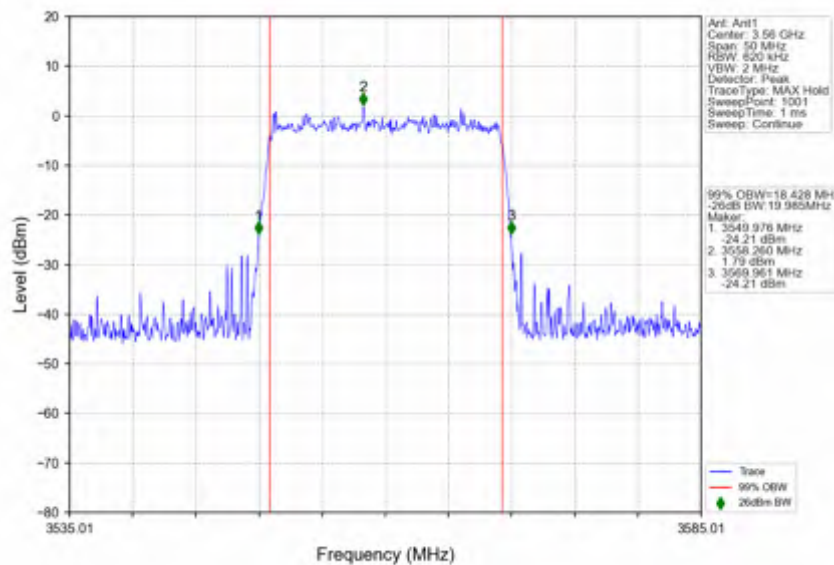
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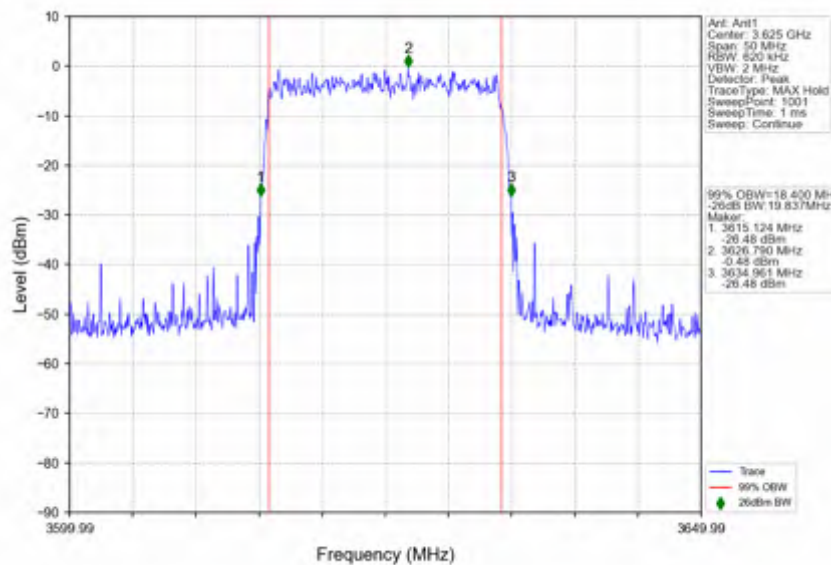
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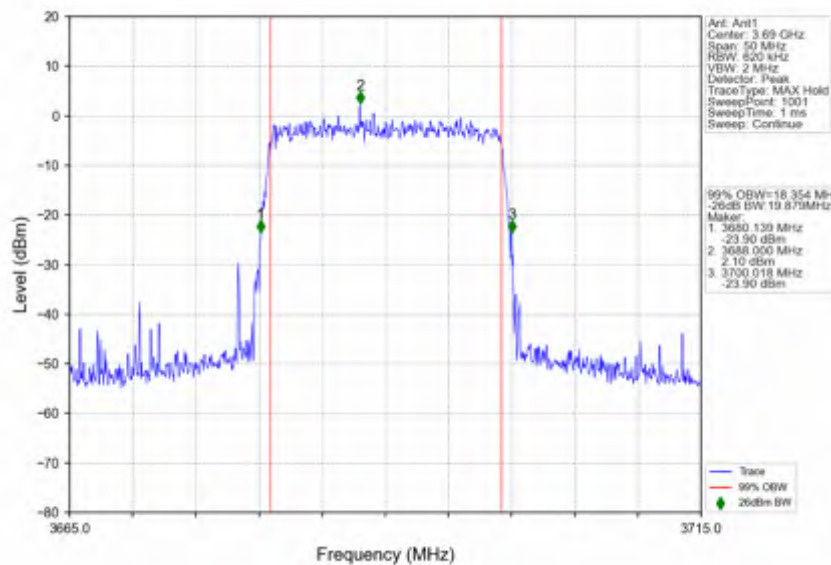
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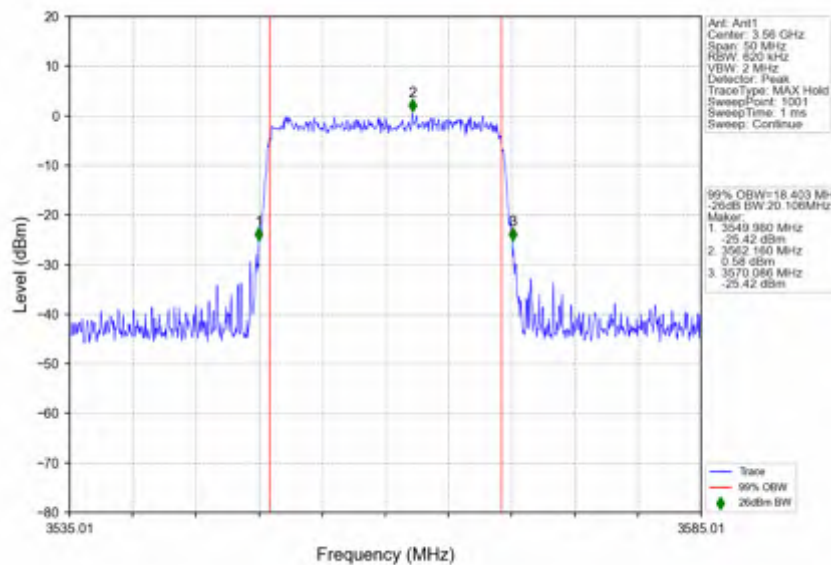
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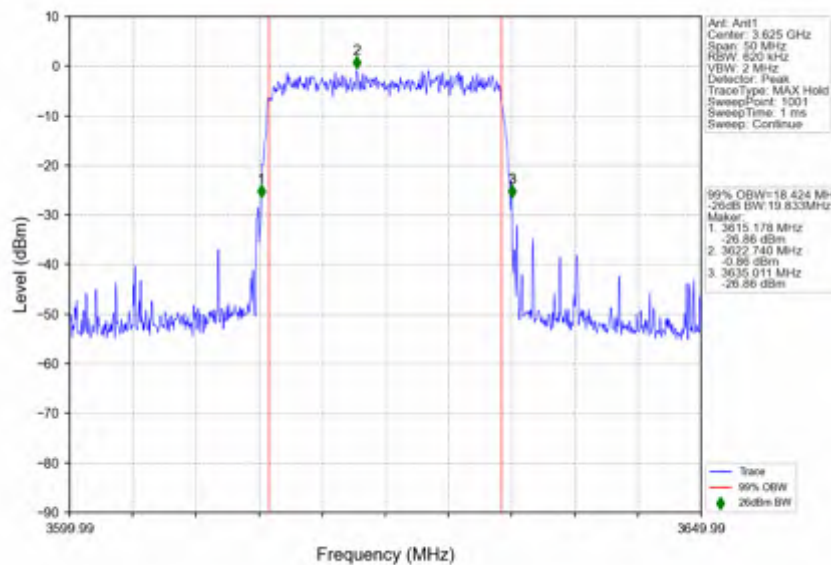
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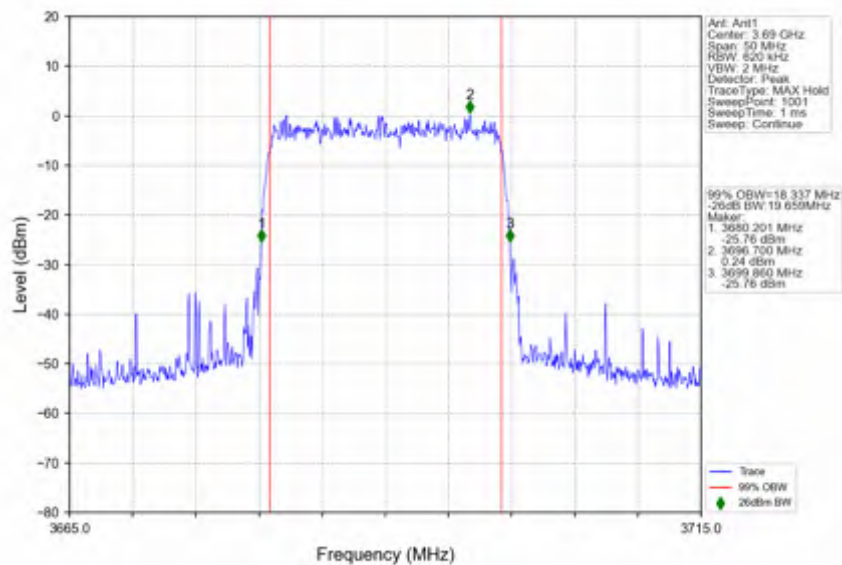


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8.11 30k_SISO_25MHz_NTNV

8.11.1 Test Result

5G NR n78d SCS=30kHz SISO 25MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3562.5	Outer_Full	23.18	24.82	/	Pass
	3624.99	Outer_Full	23.07	24.68	/	Pass
	3687.48	Outer_Full	23.09	24.70	/	Pass
DFT-s-OFDM QPSK	3562.5	Outer_Full	23.15	25.11	/	Pass
	3624.99	Outer_Full	23.12	24.63	/	Pass
	3687.48	Outer_Full	23.22	24.77	/	Pass
DFT-s-OFDM 16 QAM	3562.5	Outer_Full	23.12	24.97	/	Pass
	3624.99	Outer_Full	23.11	24.85	/	Pass
	3687.48	Outer_Full	23.04	24.72	/	Pass
DFT-s-OFDM 64 QAM	3562.5	Outer_Full	23.08	25.41	/	Pass
	3624.99	Outer_Full	23.07	24.93	/	Pass
	3687.48	Outer_Full	23.12	24.68	/	Pass
DFT-s-OFDM 256 QAM	3562.5	Outer_Full	23.05	26.01	/	Pass
	3624.99	Outer_Full	23.12	24.81	/	Pass
	3687.48	Outer_Full	23.07	24.70	/	Pass
CP-OFDM QPSK	3562.5	Outer_Full	23.39	25.55	/	Pass
	3624.99	Outer_Full	23.34	25.13	/	Pass
	3687.48	Outer_Full	23.38	25.09	/	Pass
CP-OFDM 16 QAM	3562.5	Outer_Full	23.42	25.39	/	Pass
	3624.99	Outer_Full	23.27	25.04	/	Pass
	3687.48	Outer_Full	23.40	25.03	/	Pass
CP-OFDM 64 QAM	3562.5	Outer_Full	23.39	25.48	/	Pass
	3624.99	Outer_Full	23.37	25.09	/	Pass
	3687.48	Outer_Full	23.34	25.07	/	Pass
CP-OFDM 256 QAM	3562.5	Outer_Full	23.41	25.24	/	Pass
	3624.99	Outer_Full	23.39	25.01	/	Pass
	3687.48	Outer_Full	23.36	25.00	/	Pass



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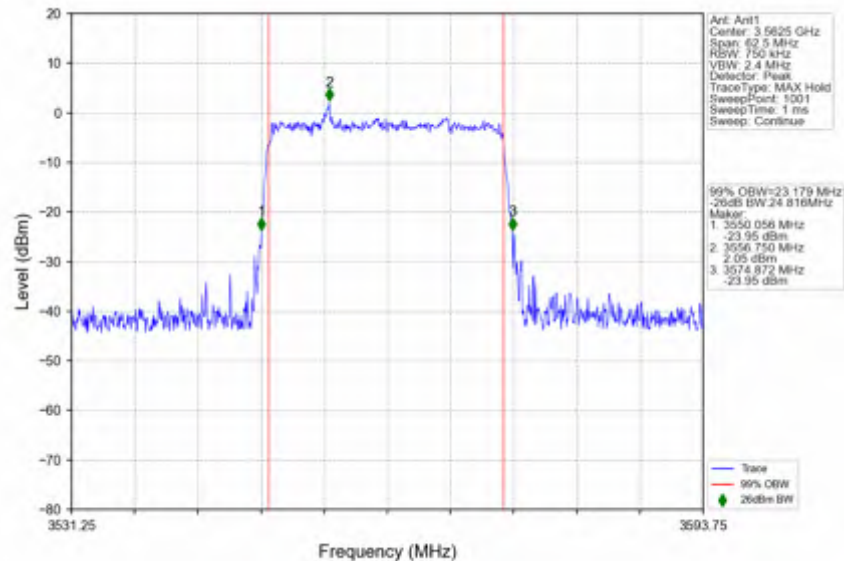
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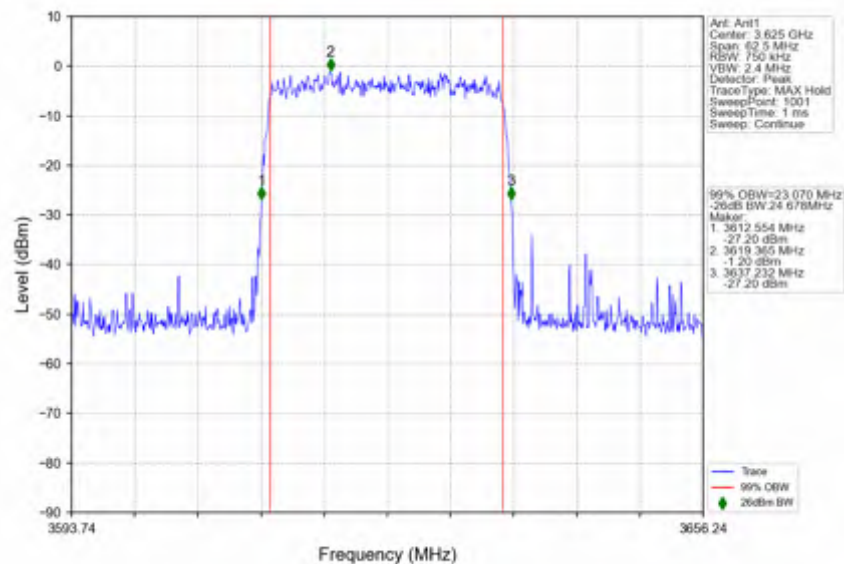
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8.11.2 Test Graph

n78d_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM_PI/2_BPSK_3562.5MHz_Outer_Full



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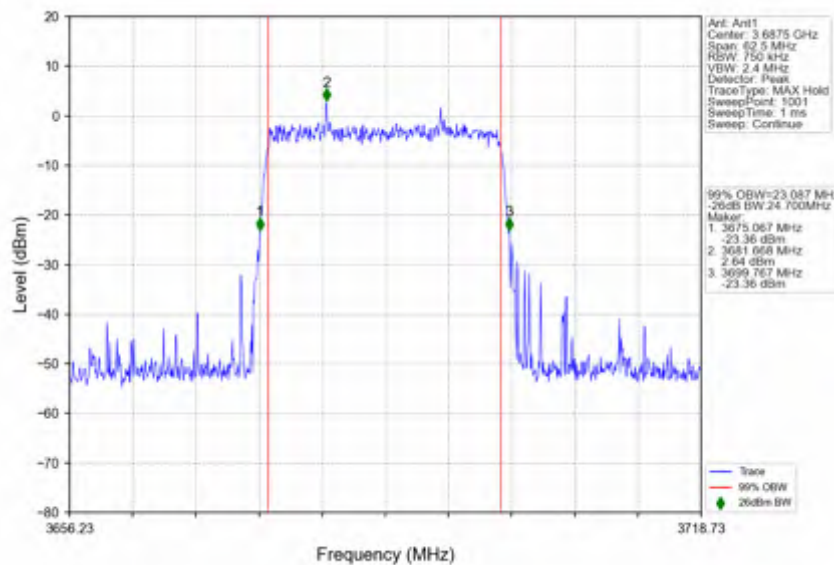
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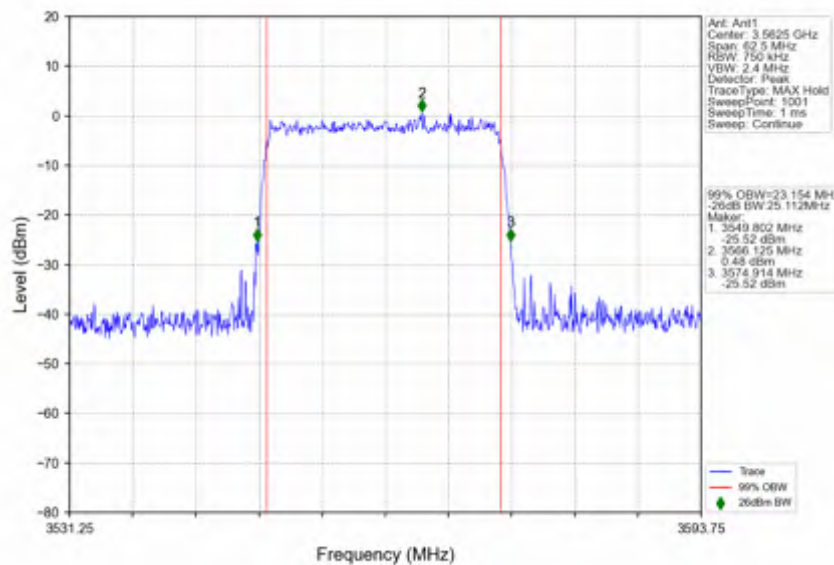
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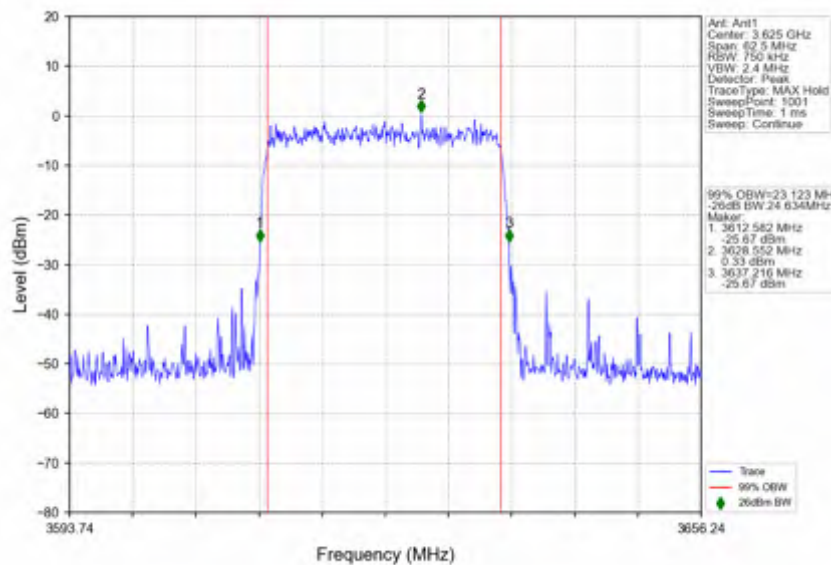


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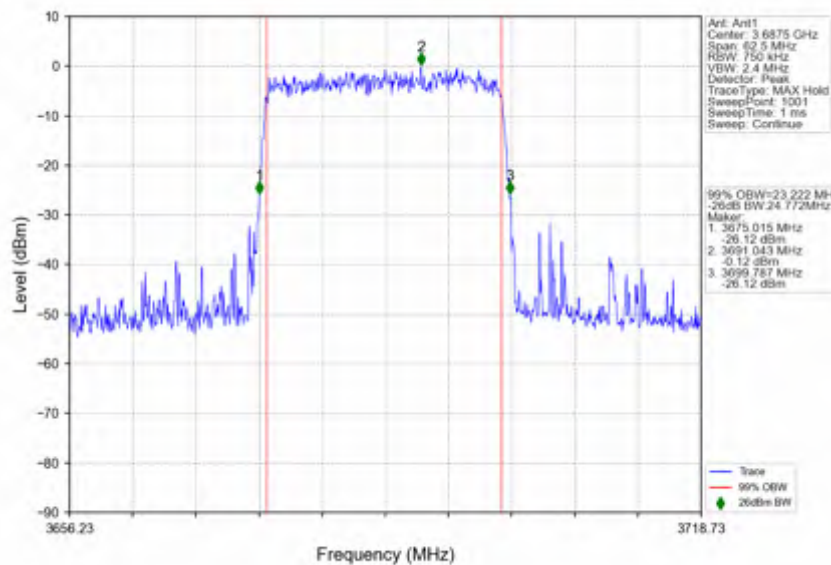
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n78d_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM_QPSK_3624.99MHz_Outer_Full



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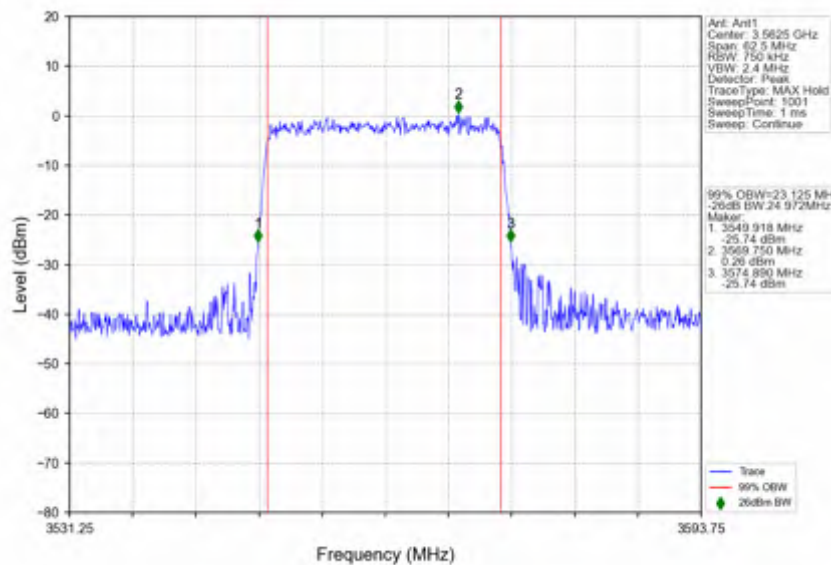
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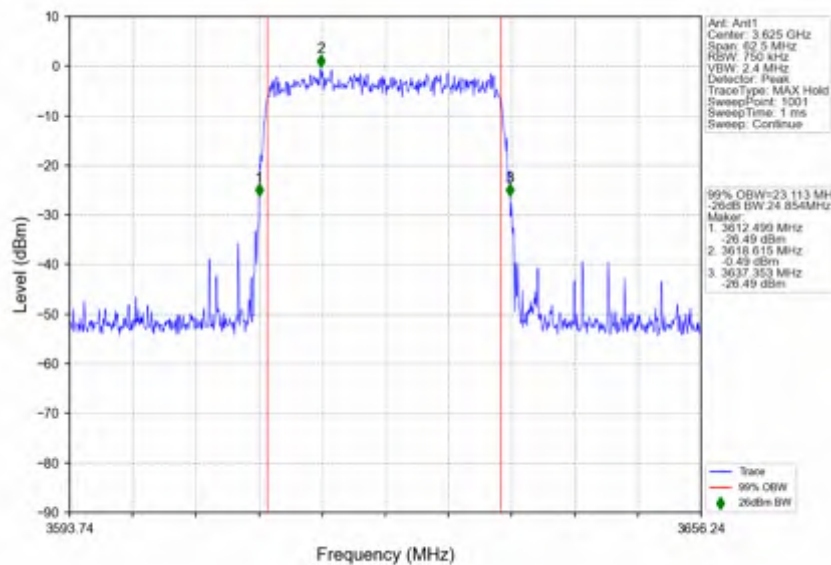
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n78d_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM_16_QAM_3562.5MHz_Outer_Full



n78d_30kHz_SISO_NTNV_25MHz_DFT-s-OFDM_16_QAM_3624.99MHz_Outer_Full



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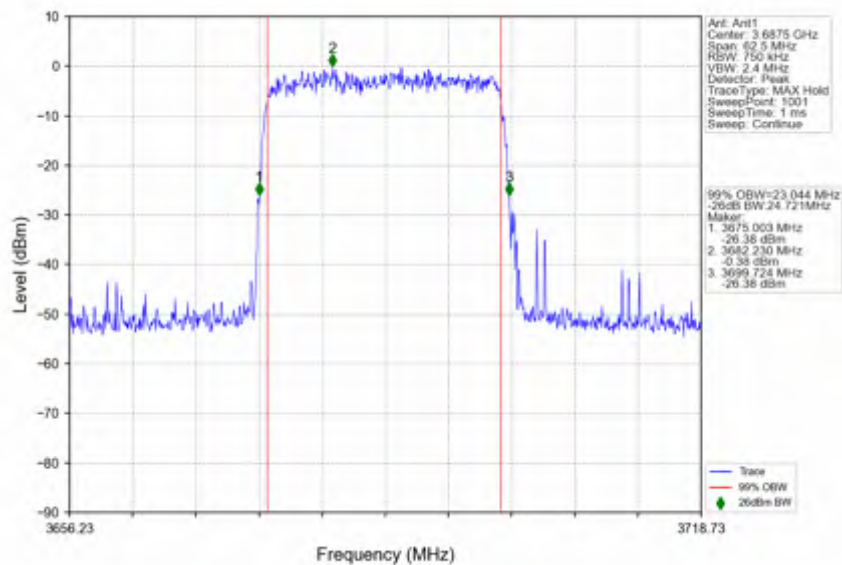
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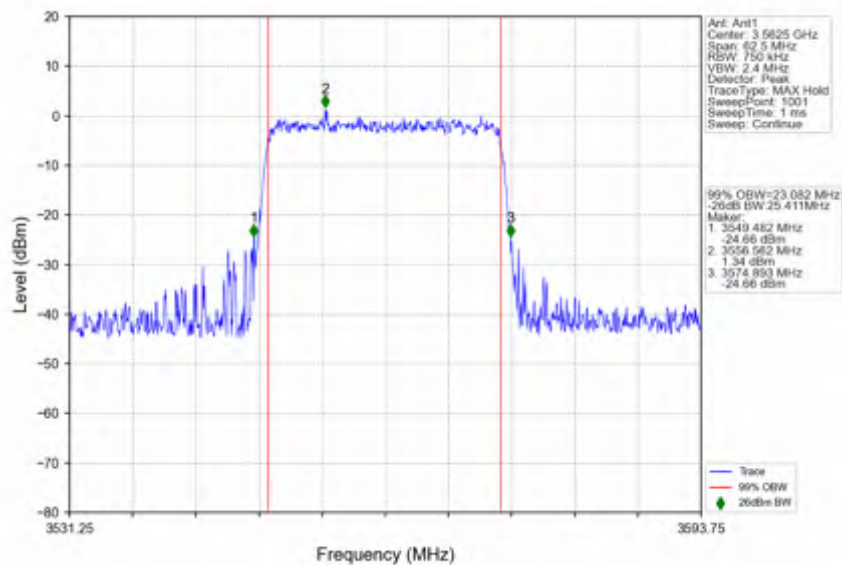
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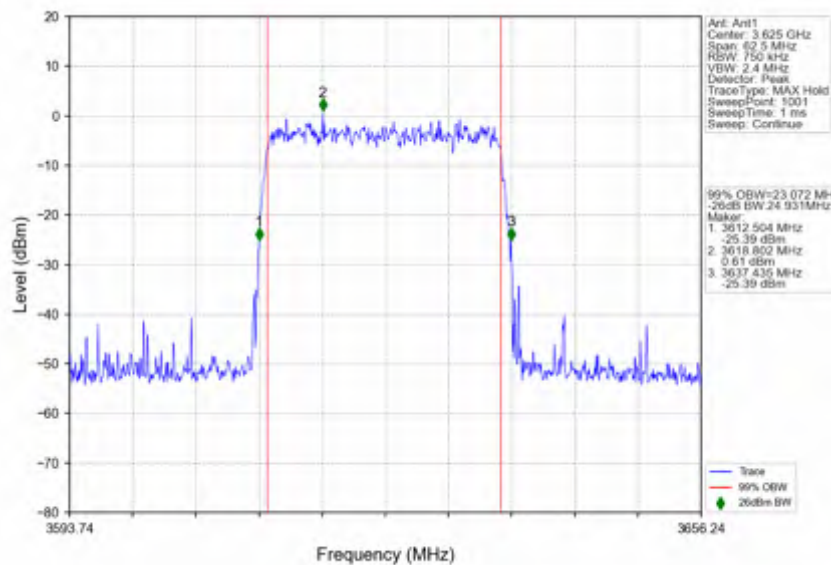
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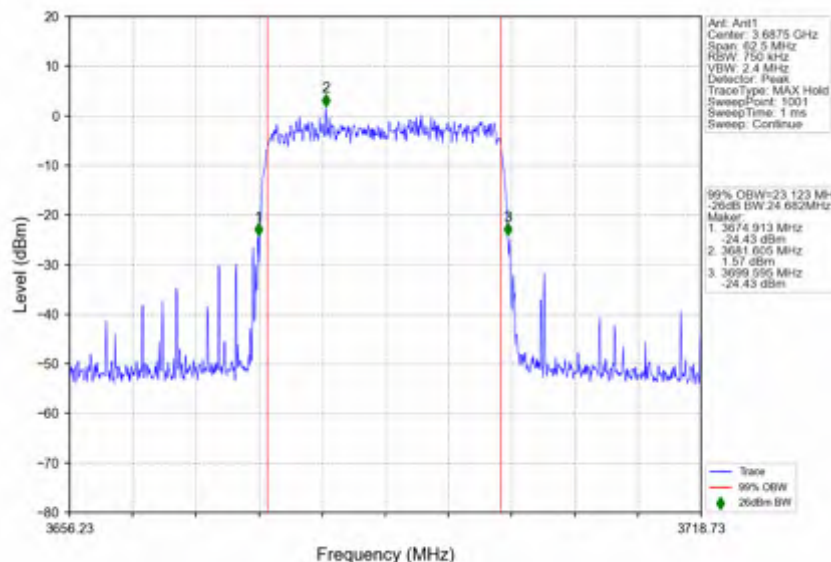
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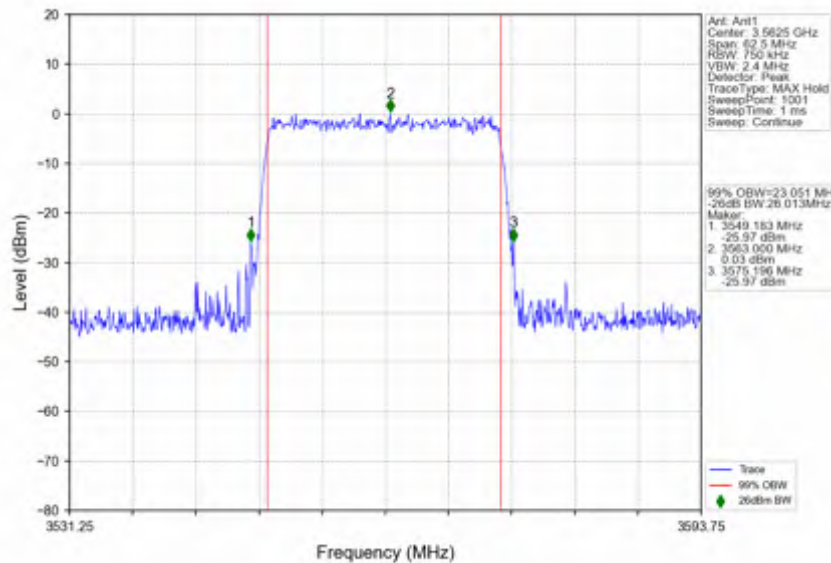
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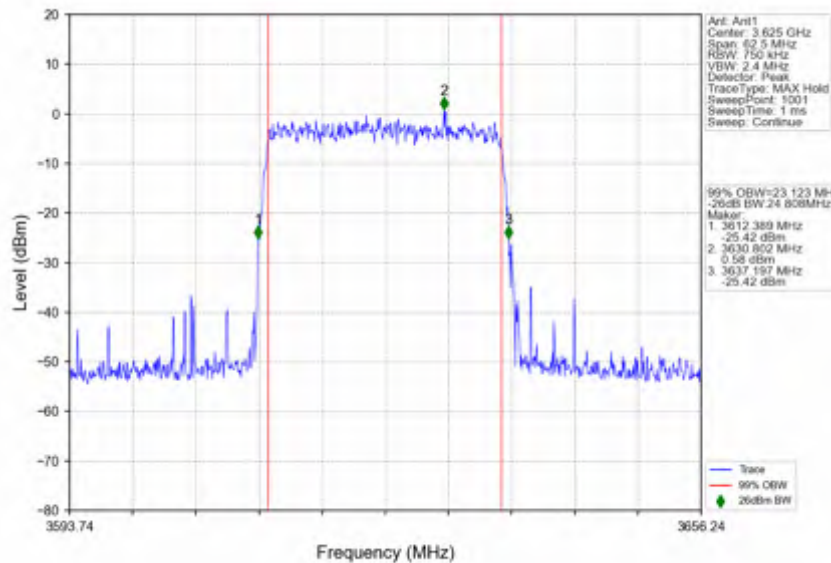
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n78d_30kHz_SISO_NTV_25MHz_DFT-s-OFDM_256_QAM_3562.5MHz_Outer_Full



n78d_30kHz_SISO_NTV_25MHz_DFT-s-OFDM_256_QAM_3624.99MHz_Outer_Full



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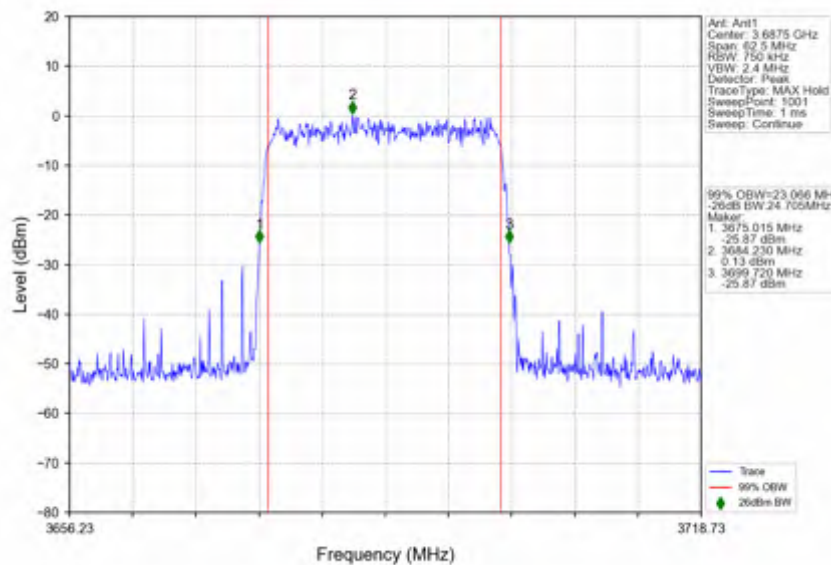
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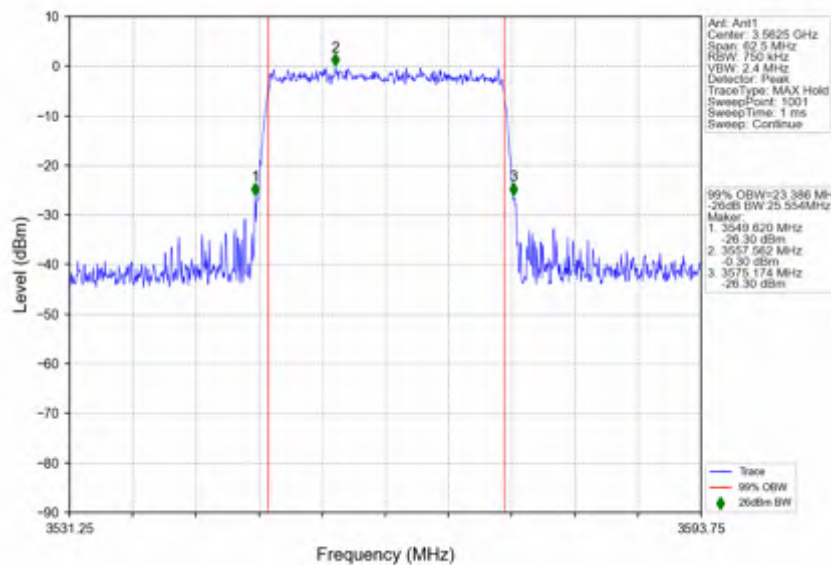
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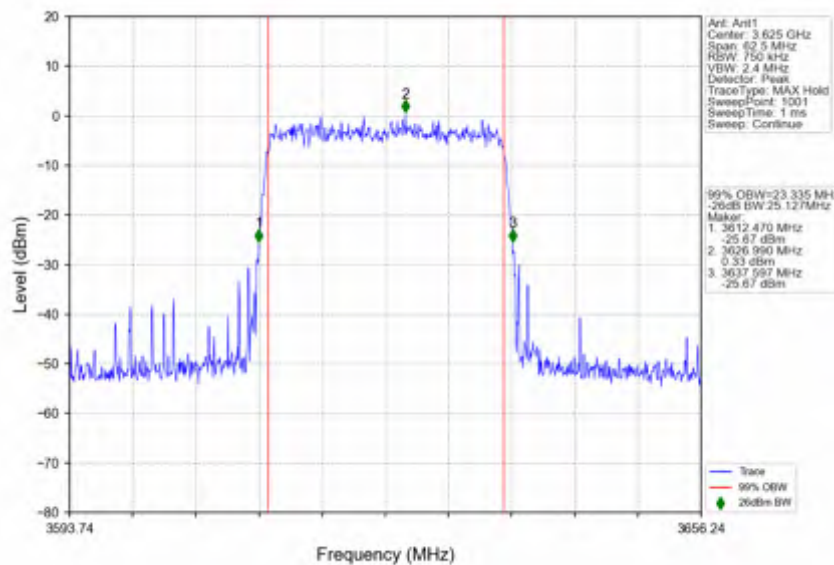
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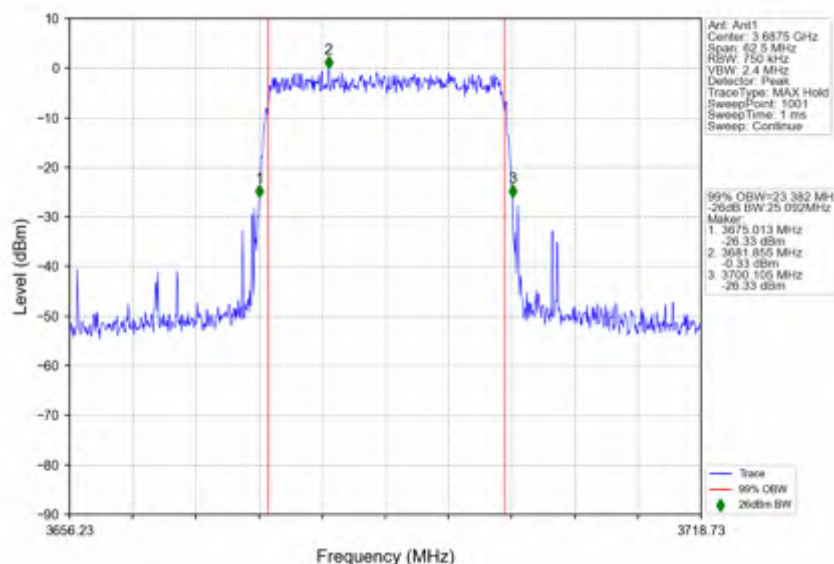
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n78d 30kHz SISO NTNv 25MHz CP-OFDM QPSK 3624.99MHz Outer Full



n78d	30kHz	SISO	NTNV	25MHz	CP-OFDM	QPSK	3687.48MHz	Outer	Full
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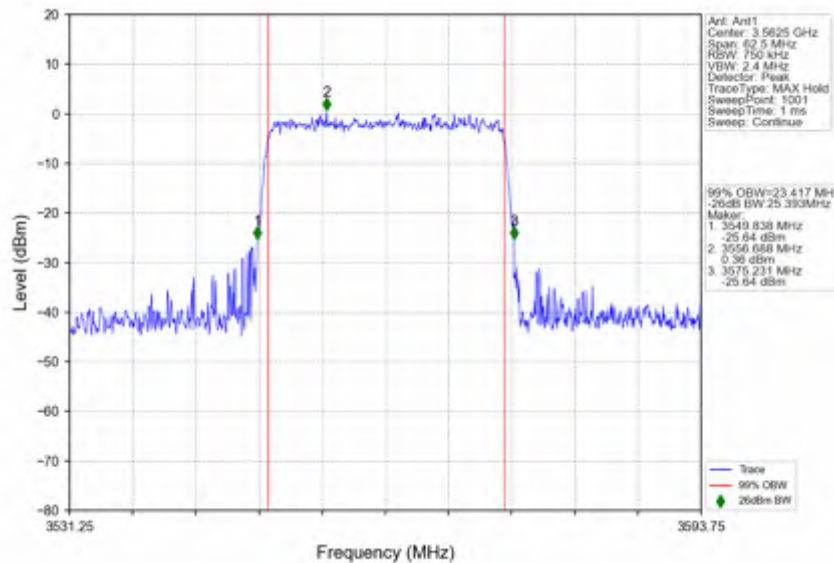


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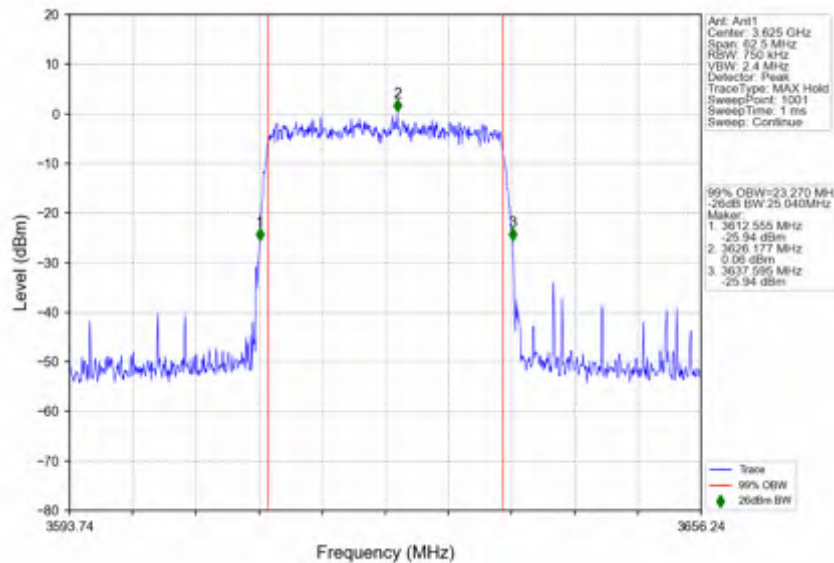
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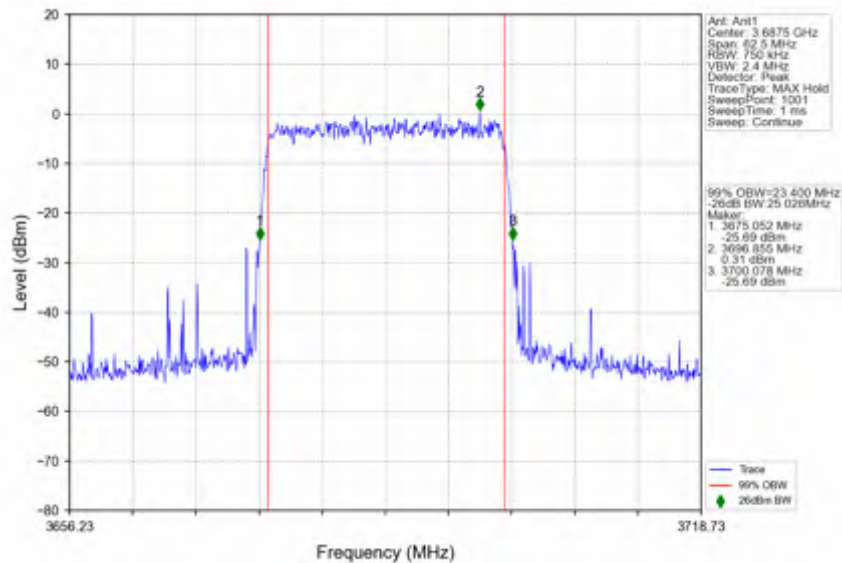
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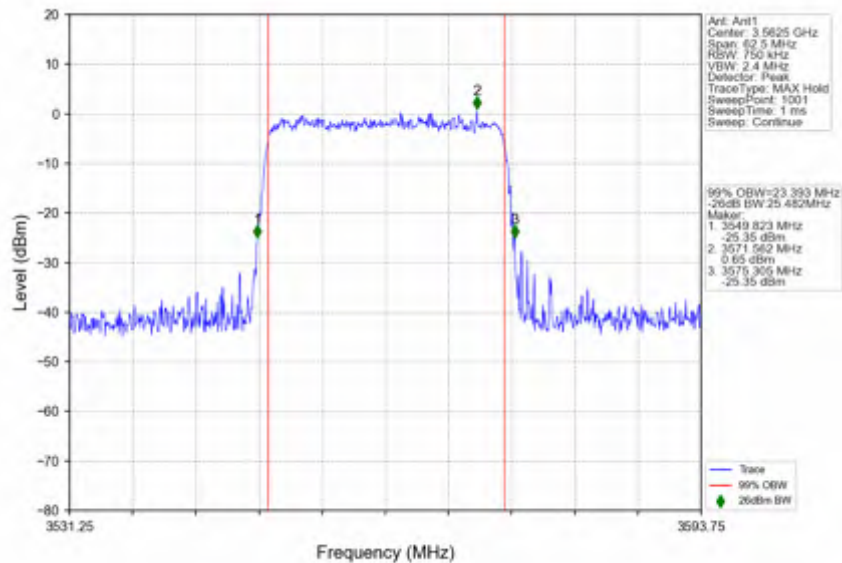
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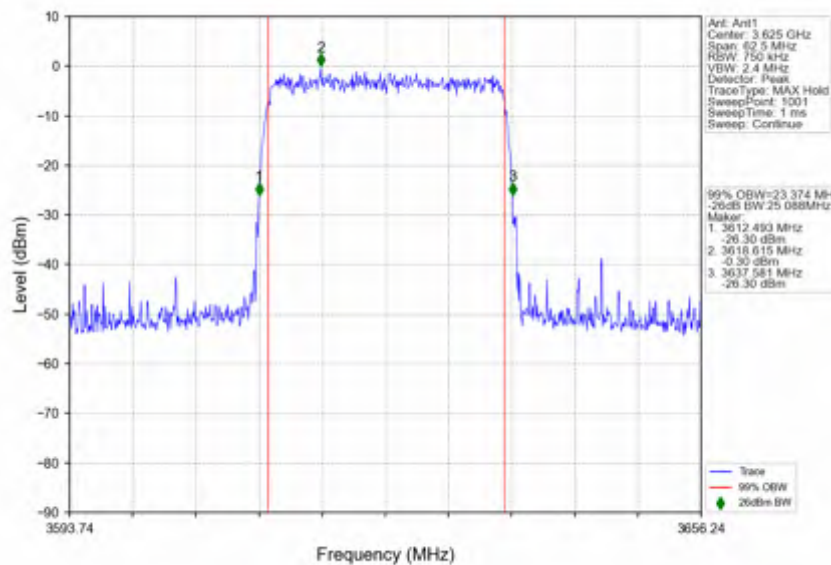
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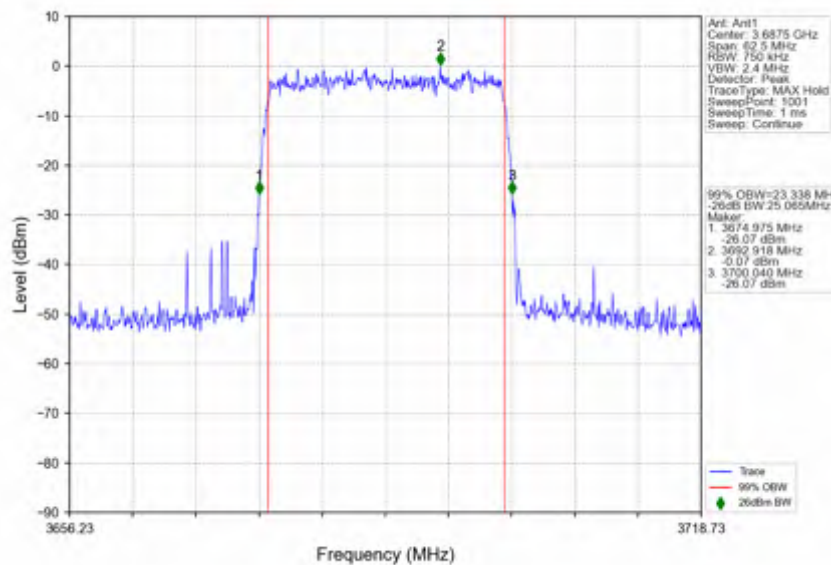
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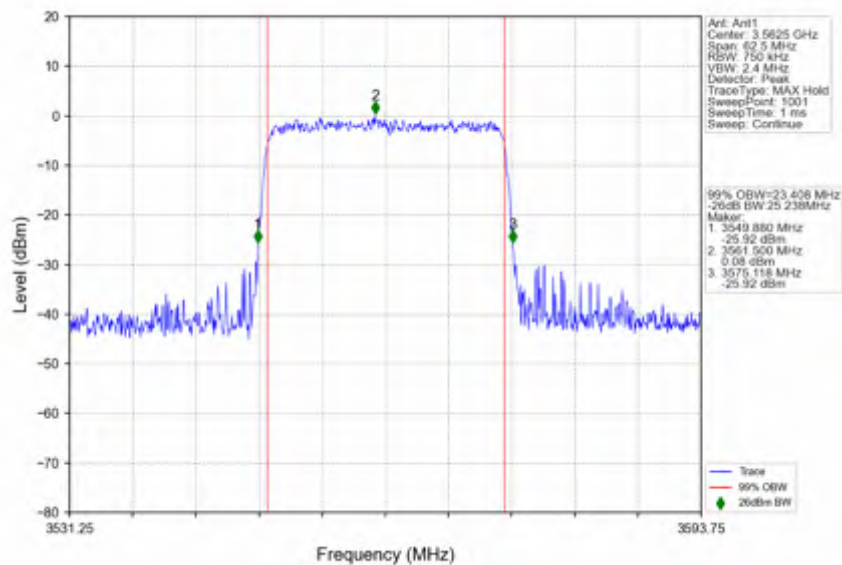
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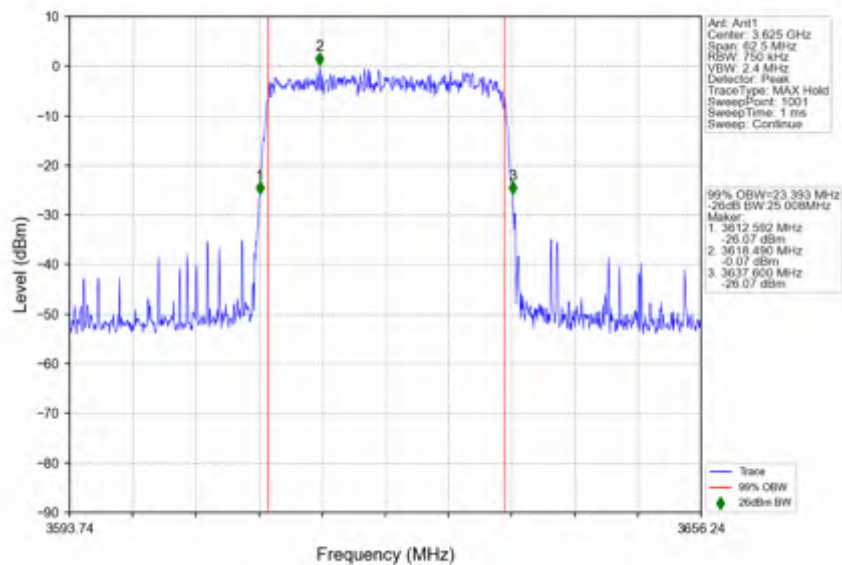
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n78d_30kHz_SISO_NTNV_25MHz_CP-OFDM 256 QAM_3562.5MHz_Outer_Full



n78d_30kHz_SISO_NTNV_25MHz_CP-OFDM 256 QAM_3624.99MHz_Outer_Full



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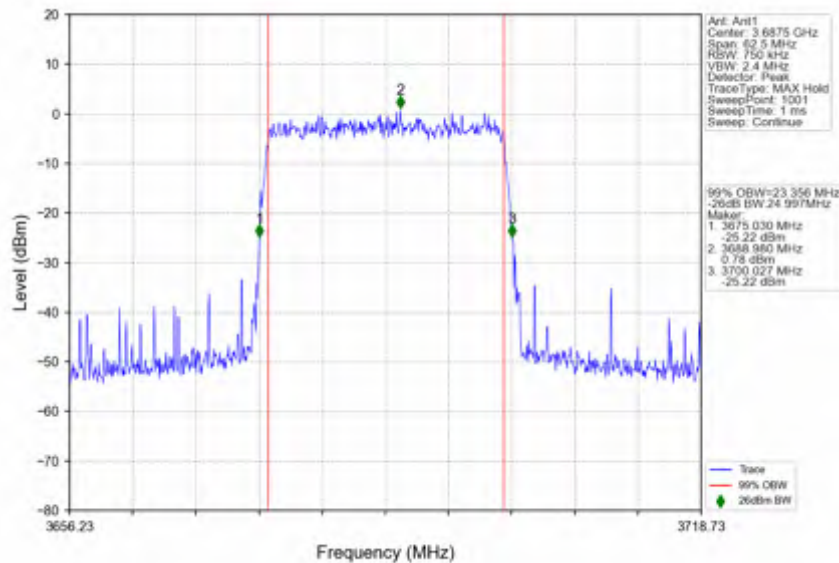
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n78d_30kHz_SISO_NTNV_25MHz_CP-OFDM_256_QAM_3687.48MHz_Outer_Full



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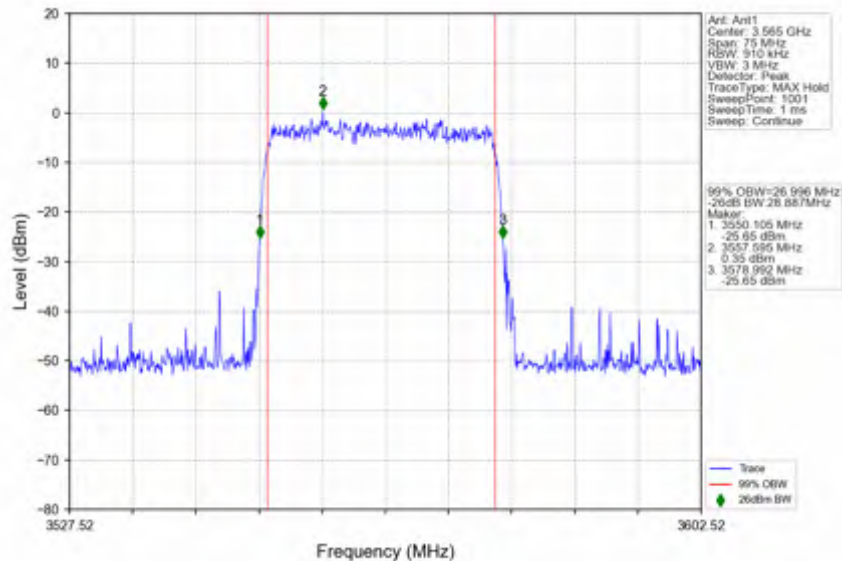
8.12 30k_SISO_30MHz_NTNV

8.12.1 Test Result

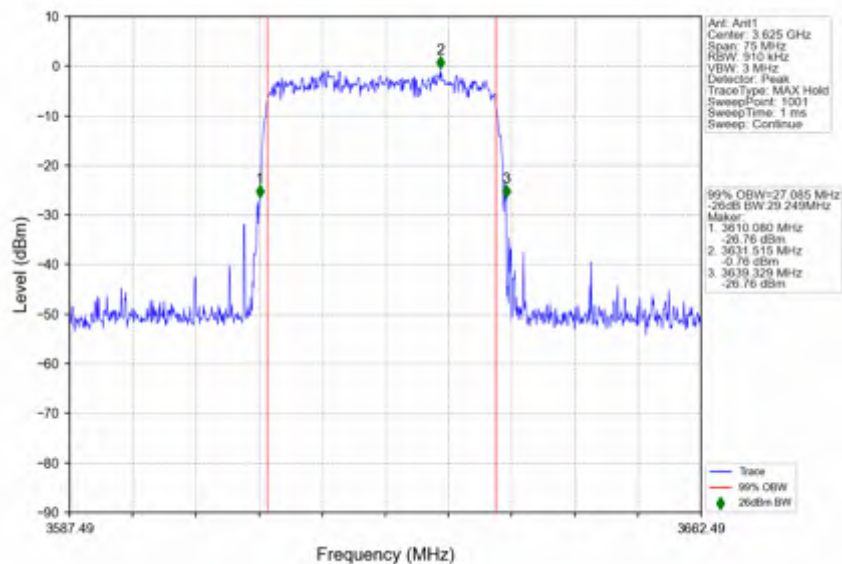
5G NR n78d SCS=30kHz SISO 30MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3565.02	Outer_Full	27.00	28.89	/	Pass
	3624.99	Outer_Full	27.09	29.25	/	Pass
	3684.99	Outer_Full	27.05	28.87	/	Pass
DFT-s-OFDM QPSK	3565.02	Outer_Full	26.99	29.04	/	Pass
	3624.99	Outer_Full	27.12	28.99	/	Pass
	3684.99	Outer_Full	27.17	29.13	/	Pass
DFT-s-OFDM 16 QAM	3565.02	Outer_Full	27.09	29.36	/	Pass
	3624.99	Outer_Full	27.04	29.31	/	Pass
	3684.99	Outer_Full	27.03	29.01	/	Pass
DFT-s-OFDM 64 QAM	3565.02	Outer_Full	27.09	29.15	/	Pass
	3624.99	Outer_Full	27.04	28.92	/	Pass
	3684.99	Outer_Full	27.07	29.11	/	Pass
DFT-s-OFDM 256 QAM	3565.02	Outer_Full	27.16	29.24	/	Pass
	3624.99	Outer_Full	27.06	29.09	/	Pass
	3684.99	Outer_Full	27.13	28.93	/	Pass
CP-OFDM QPSK	3565.02	Outer_Full	28.17	30.05	/	Pass
	3624.99	Outer_Full	28.01	29.97	/	Pass
	3684.99	Outer_Full	28.05	29.96	/	Pass
CP-OFDM 16 QAM	3565.02	Outer_Full	28.14	30.25	/	Pass
	3624.99	Outer_Full	28.05	29.93	/	Pass
	3684.99	Outer_Full	28.00	30.19	/	Pass
CP-OFDM 64 QAM	3565.02	Outer_Full	28.04	29.96	/	Pass
	3624.99	Outer_Full	28.06	29.93	/	Pass
	3684.99	Outer_Full	28.03	30.19	/	Pass
CP-OFDM 256 QAM	3565.02	Outer_Full	28.09	30.23	/	Pass
	3624.99	Outer_Full	28.00	29.93	/	Pass
	3684.99	Outer_Full	27.97	30.05	/	Pass

8.12.2 Test Graph

n78d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3565.02MHz_Outer_Full



n78d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3624.99MHz_Outer_Full



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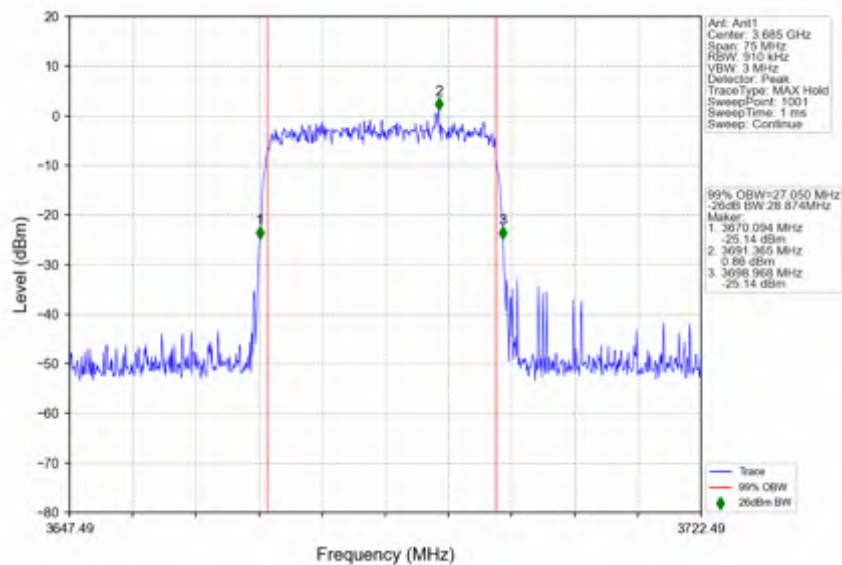
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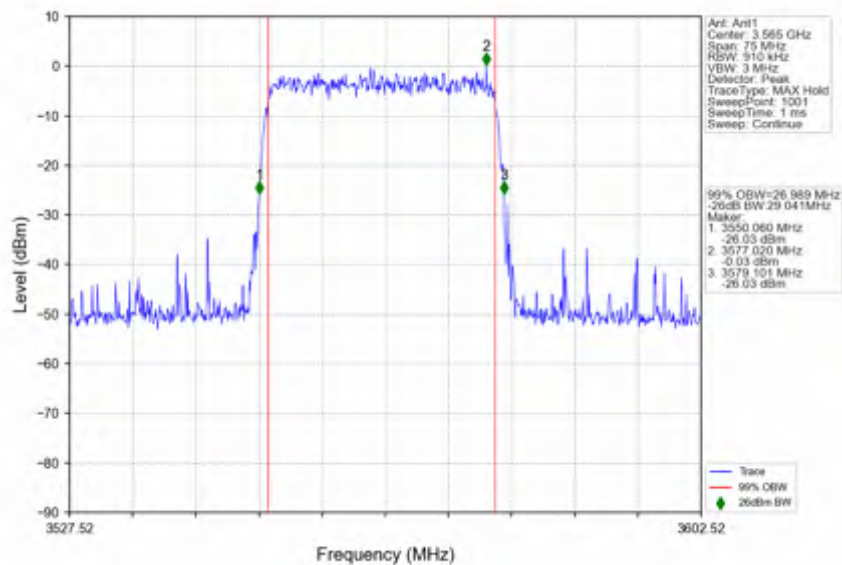
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n78d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM PI/2 BPSK_3684.99MHz_Outer_Full



n78d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM QPSK_3565.02MHz_Outer_Full



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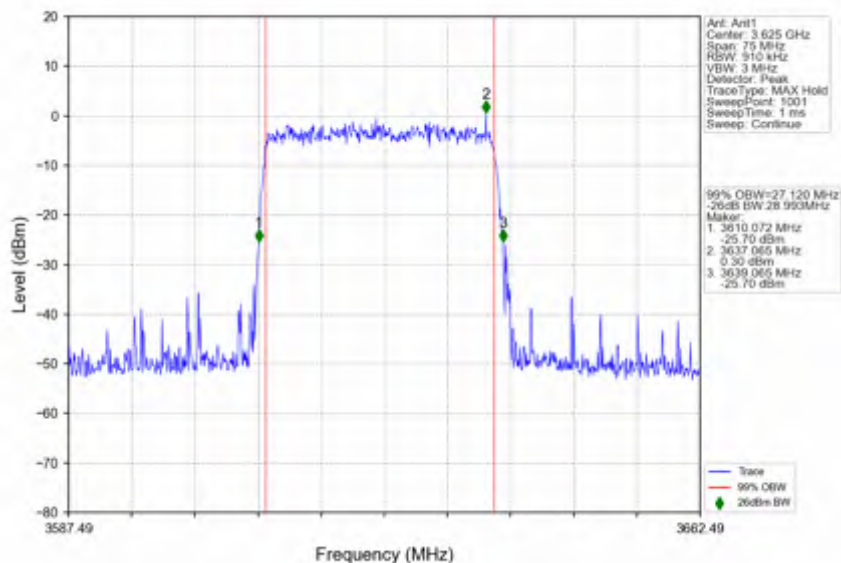
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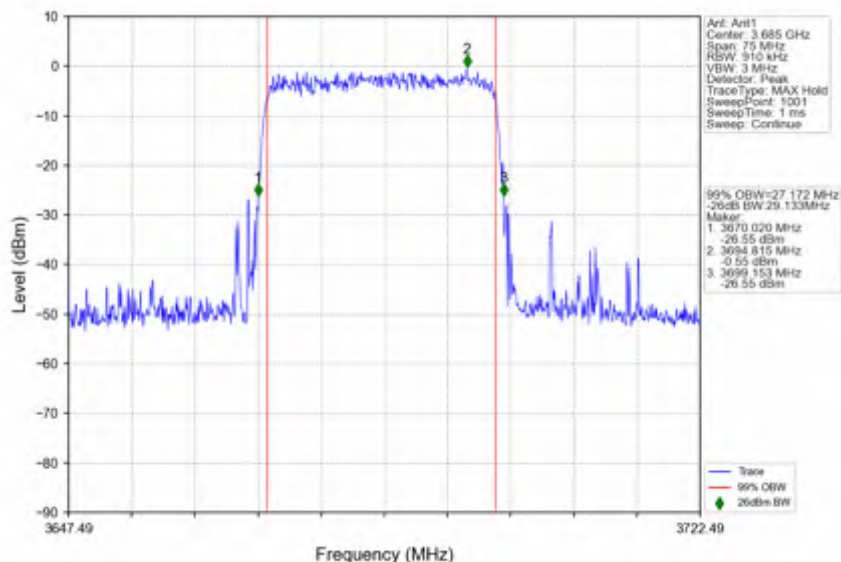
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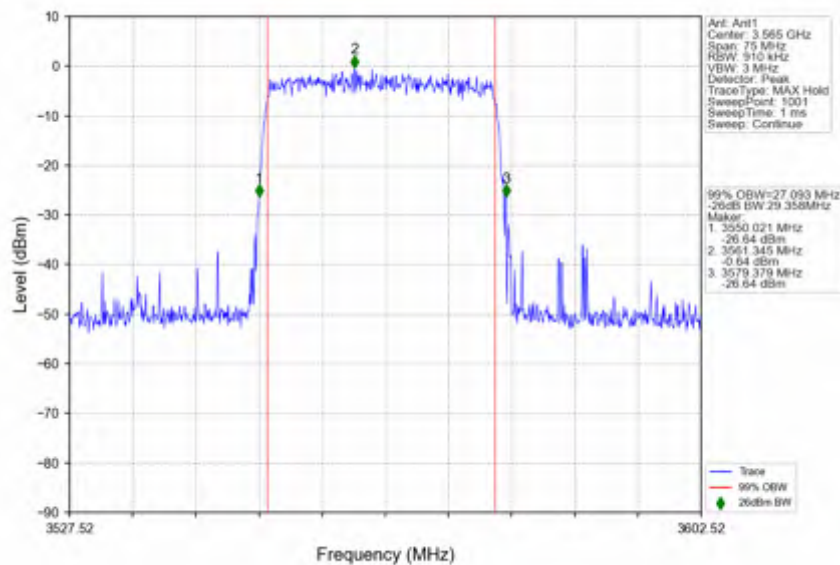
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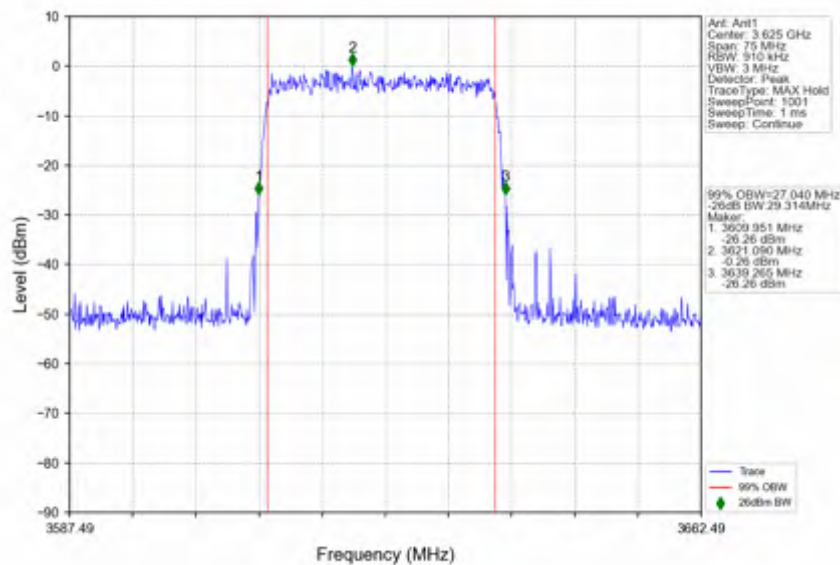
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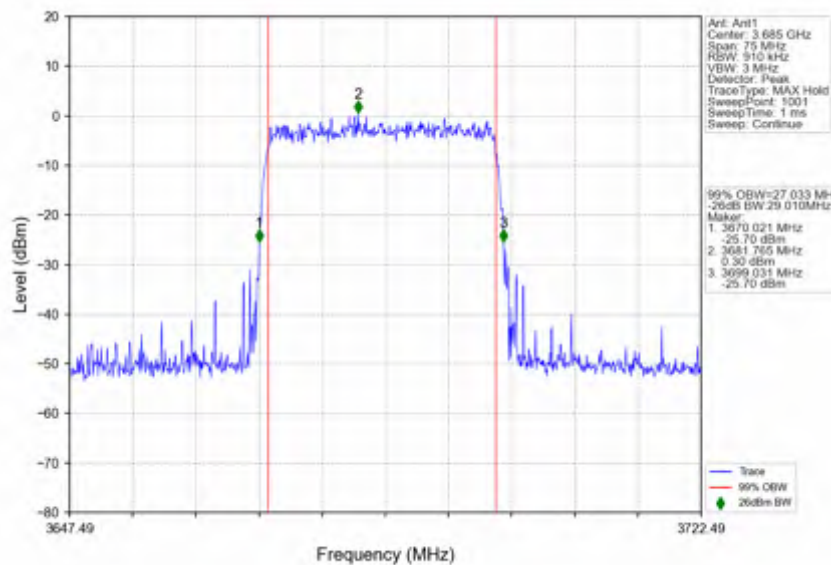


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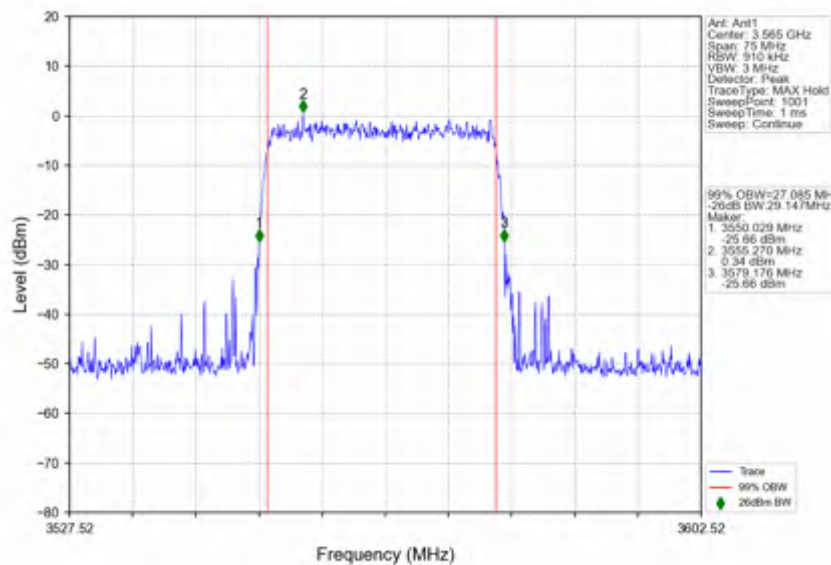
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n78d_30kHz_SISO_NTNV_30MHz_DFT-s-OFDM 64 QAM_3565.02MHz_Outer_Full



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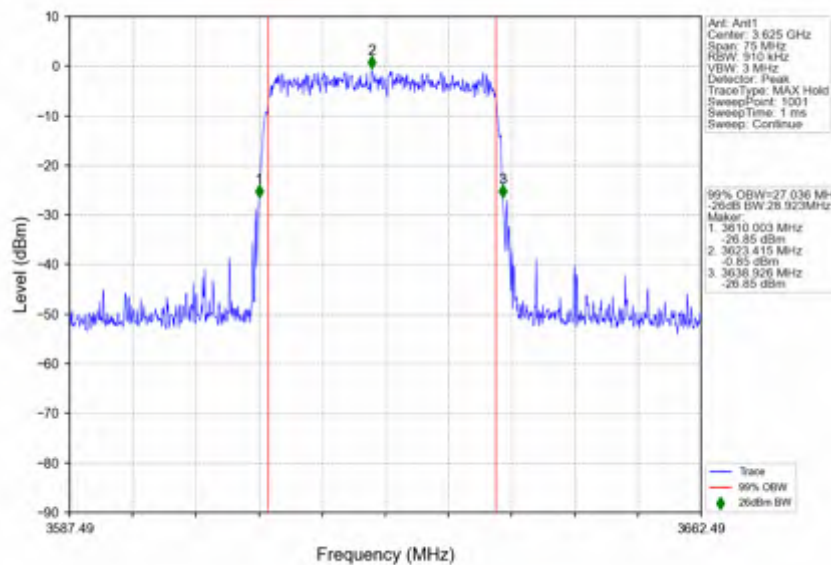
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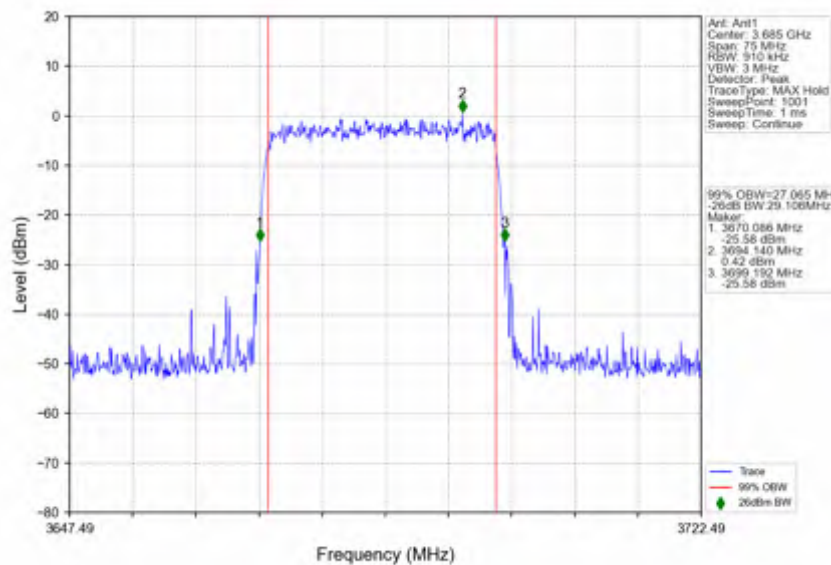
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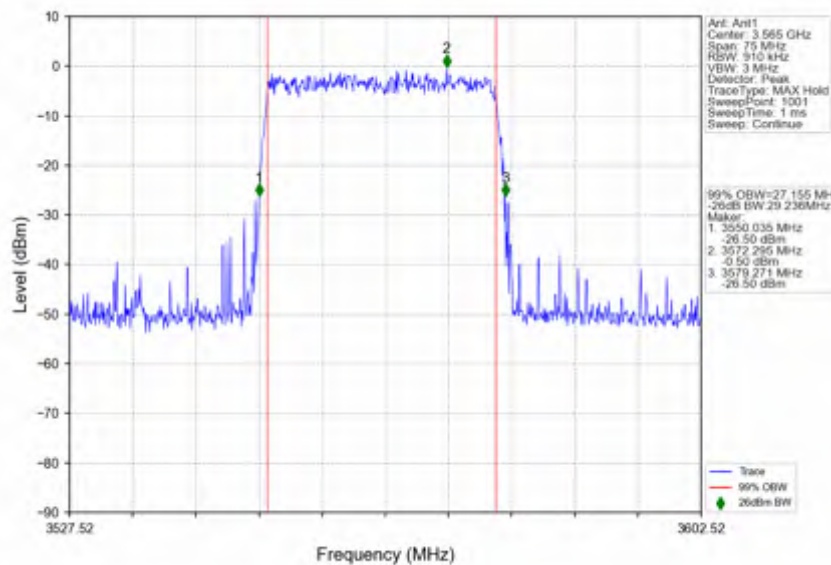
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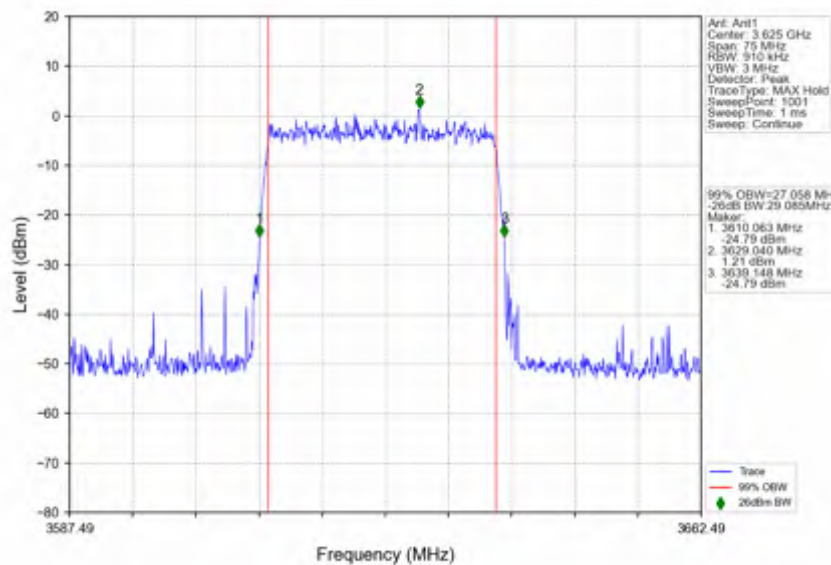
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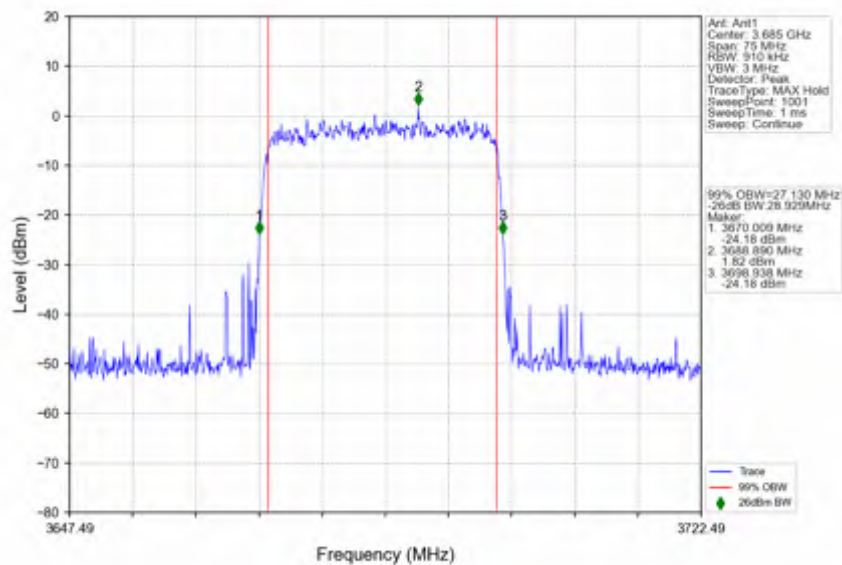
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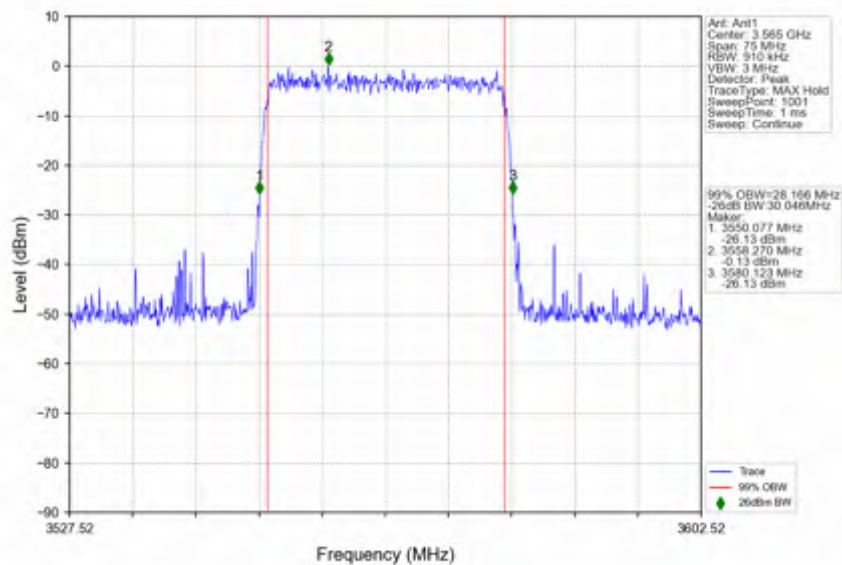
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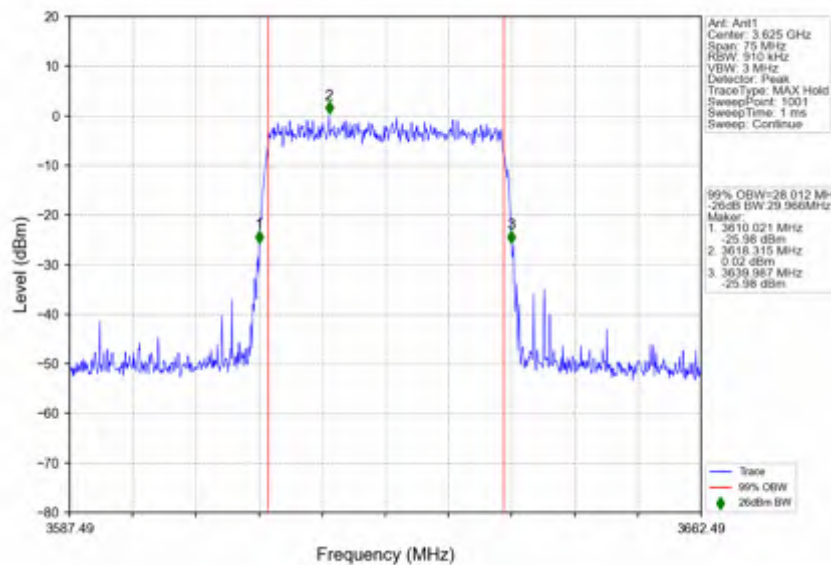
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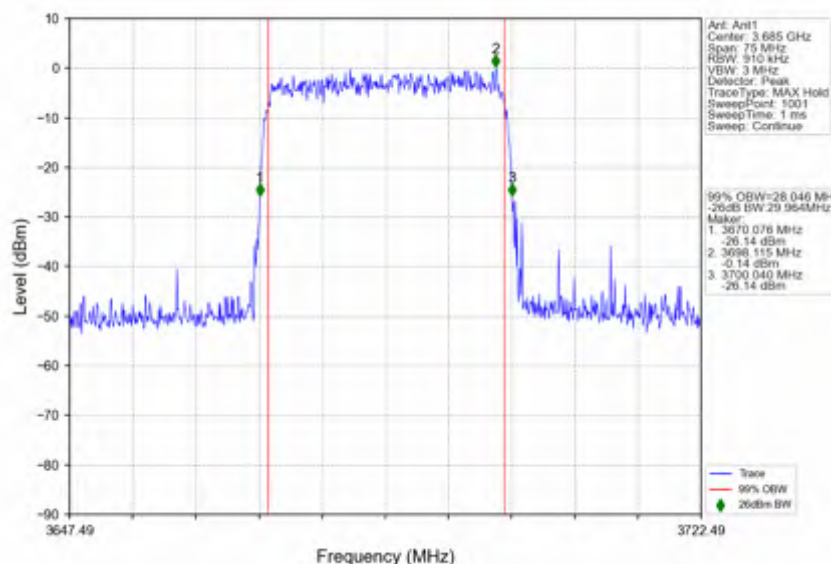
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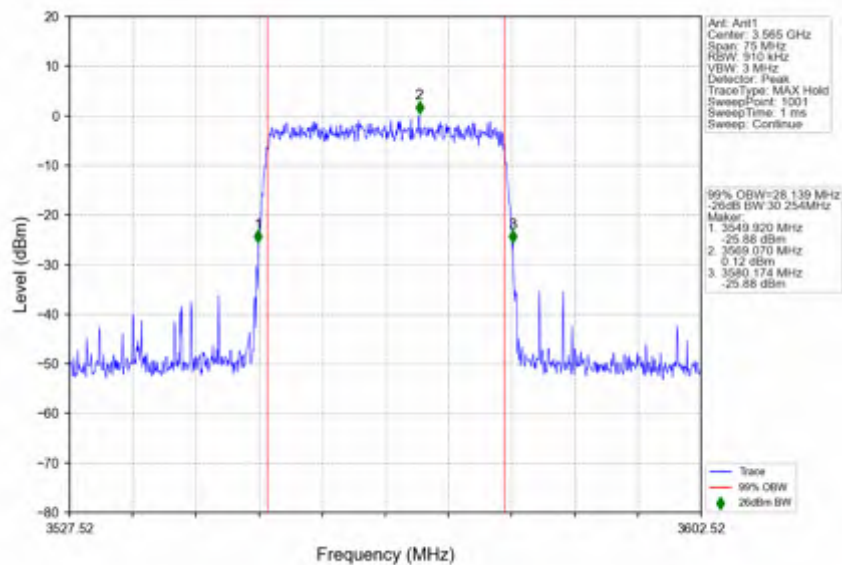
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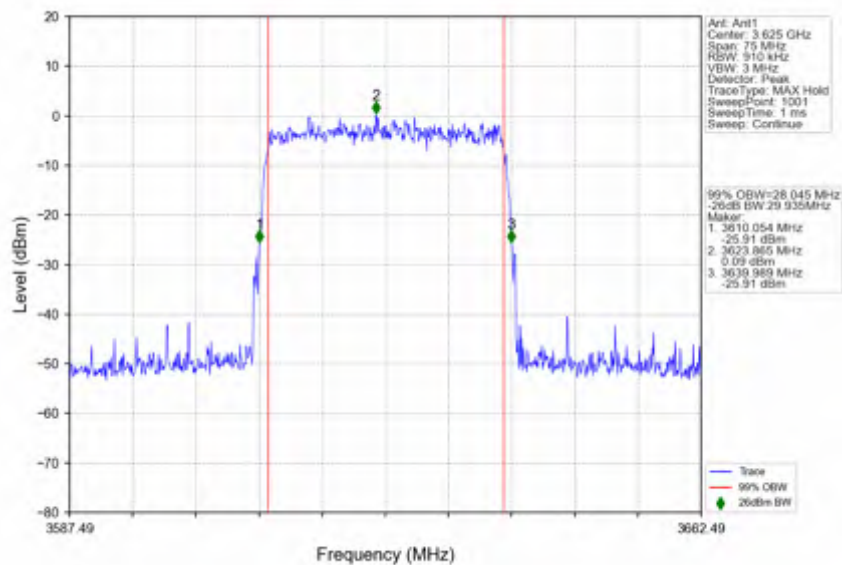
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n78d_30kHz_SISO_NTNV_30MHz_CP-OFDM 16 QAM_3624.99MHz_Outer_Full



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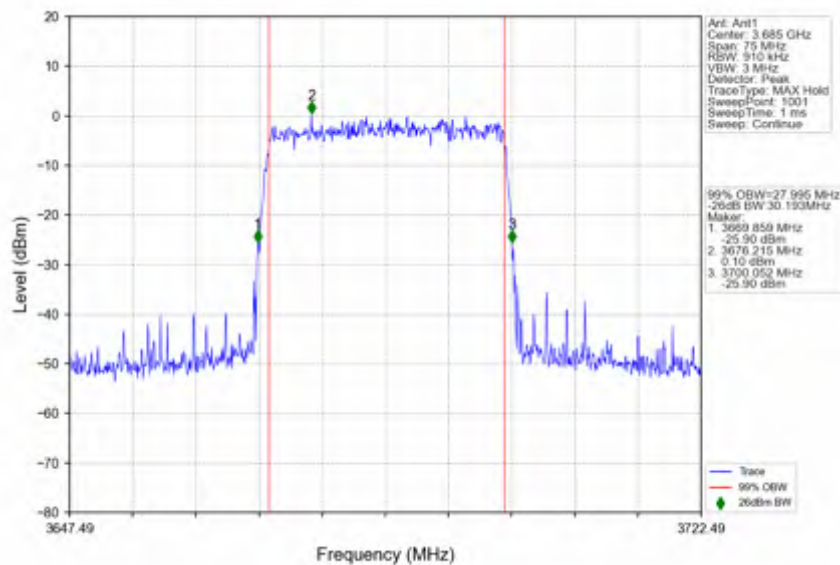
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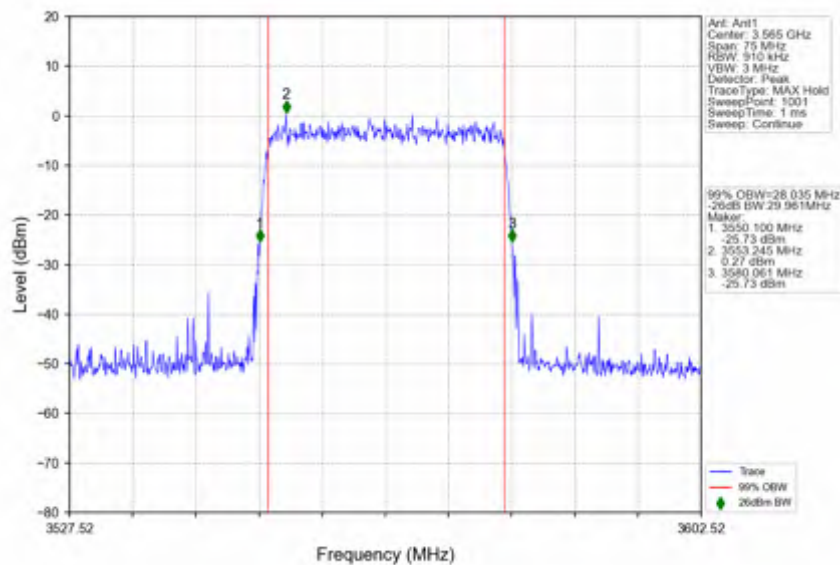
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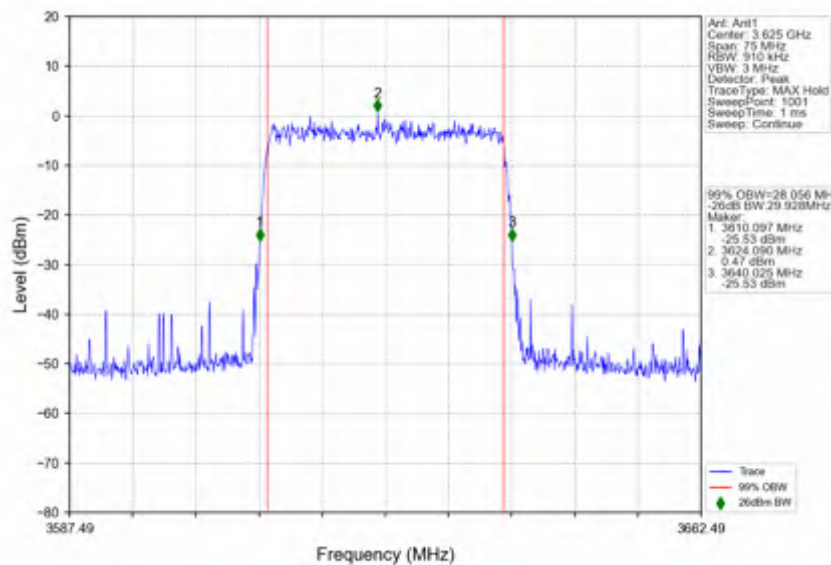


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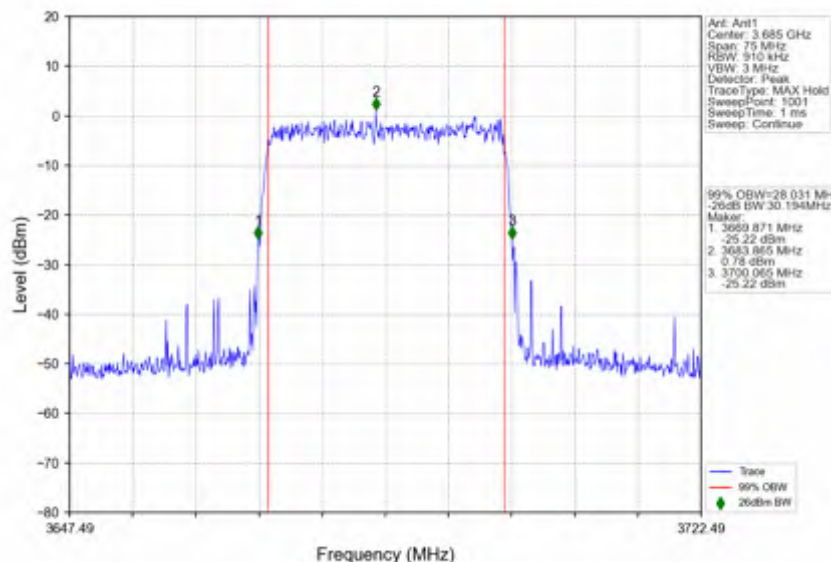
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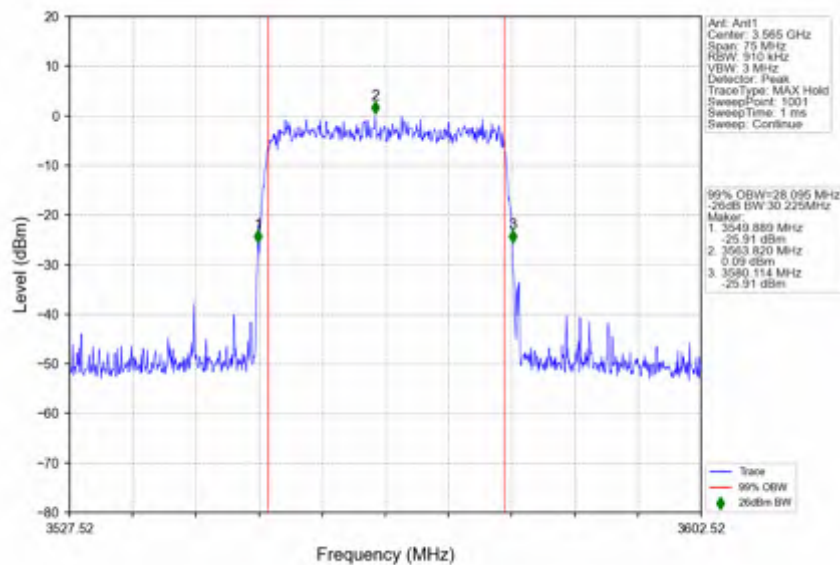
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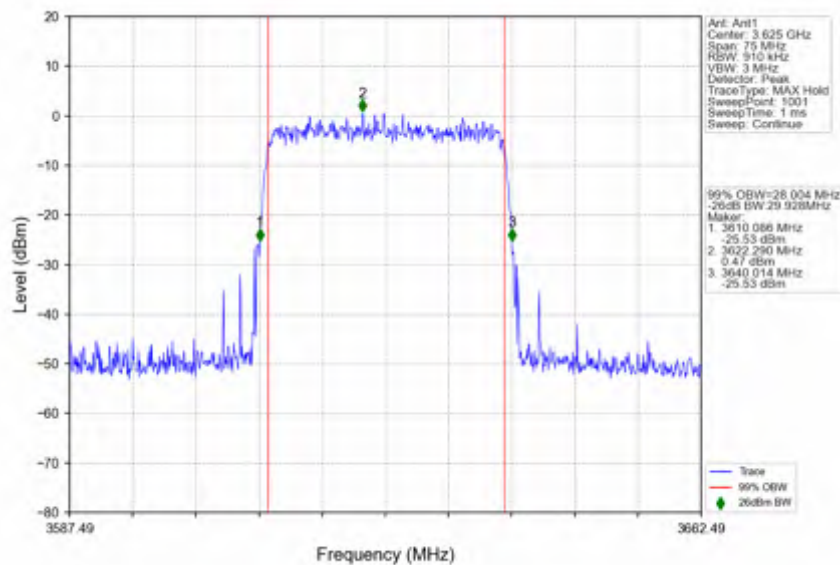
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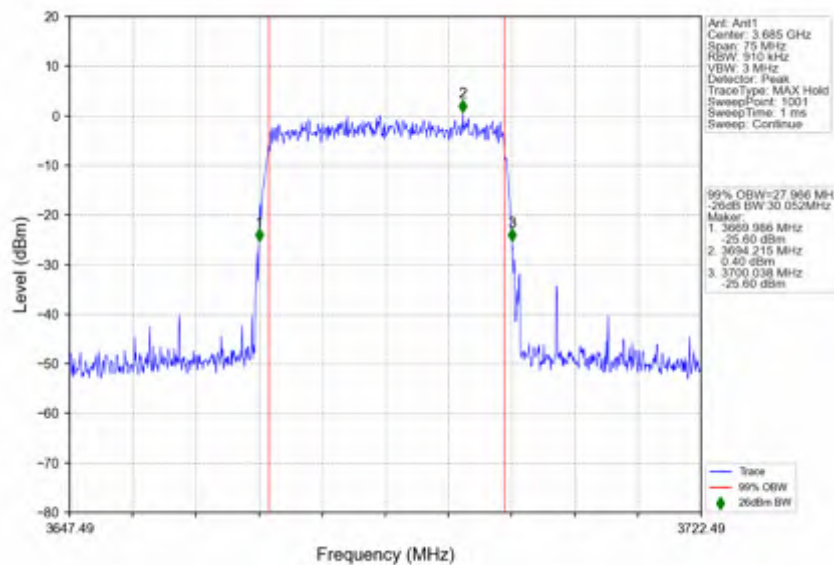
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8.13 30k_SISO_40MHz_NTNV

8.13.1 Test Result

5G NR n78d SCS=30kHz SISO 40MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3570	Outer_Full	36.06	38.62	/	Pass
	3624.99	Outer_Full	36.06	38.62	/	Pass
	3679.98	Outer_Full	35.91	38.54	/	Pass
DFT-s-OFDM QPSK	3570	Outer_Full	36.11	38.71	/	Pass
	3624.99	Outer_Full	36.03	39.67	/	Pass
	3679.98	Outer_Full	35.96	38.76	/	Pass
DFT-s-OFDM 16 QAM	3570	Outer_Full	36.03	38.55	/	Pass
	3624.99	Outer_Full	35.97	38.50	/	Pass
	3679.98	Outer_Full	36.02	38.69	/	Pass
DFT-s-OFDM 64 QAM	3570	Outer_Full	36.05	38.88	/	Pass
	3624.99	Outer_Full	35.99	38.91	/	Pass
	3679.98	Outer_Full	35.95	38.58	/	Pass
DFT-s-OFDM 256 QAM	3570	Outer_Full	35.96	38.75	/	Pass
	3624.99	Outer_Full	35.96	38.44	/	Pass
	3679.98	Outer_Full	35.89	38.40	/	Pass
CP-OFDM QPSK	3570	Outer_Full	38.07	40.66	/	Pass
	3624.99	Outer_Full	38.02	40.80	/	Pass
	3679.98	Outer_Full	38.07	40.71	/	Pass
CP-OFDM 16 QAM	3570	Outer_Full	38.01	40.69	/	Pass
	3624.99	Outer_Full	38.07	40.65	/	Pass
	3679.98	Outer_Full	38.14	40.57	/	Pass
CP-OFDM 64 QAM	3570	Outer_Full	38.00	40.66	/	Pass
	3624.99	Outer_Full	37.93	40.49	/	Pass
	3679.98	Outer_Full	37.98	40.60	/	Pass
CP-OFDM 256 QAM	3570	Outer_Full	38.26	40.90	/	Pass
	3624.99	Outer_Full	37.94	40.45	/	Pass
	3679.98	Outer_Full	38.01	40.93	/	Pass



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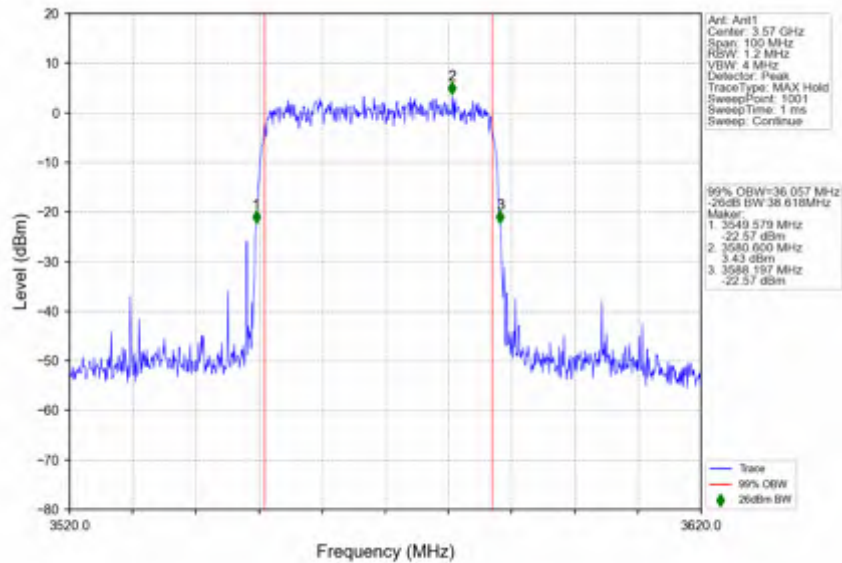
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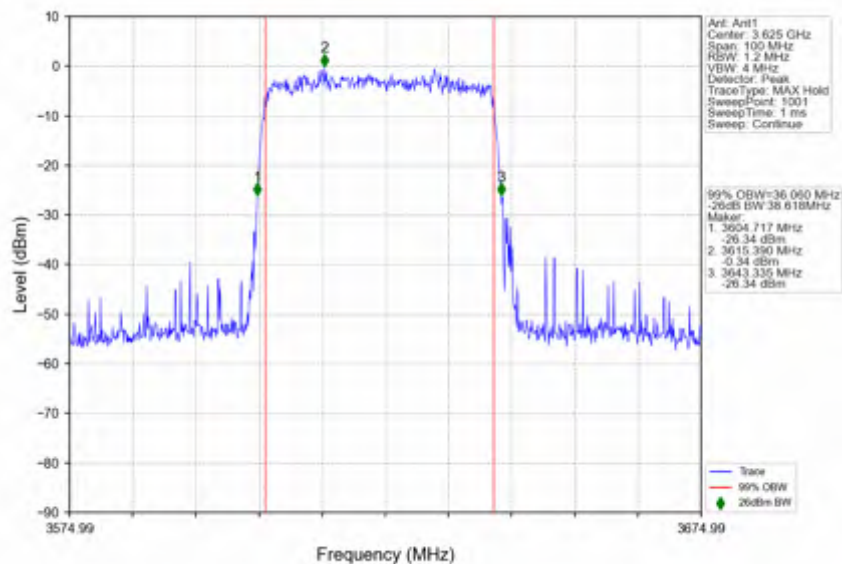
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8.13.2 Test Graph

n78d	30kHz	SISO	NTNV	40MHz	DFT-s-OFDM	PI/2 BPSK	3570MHz	Outer	Full
------	-------	------	------	-------	------------	-----------	---------	-------	------



n78d	30kHz	SISO	NTNV	40MHz	DFT-s-OFDM	PI/2	BPSK	3624.99MHz	Outer	Full
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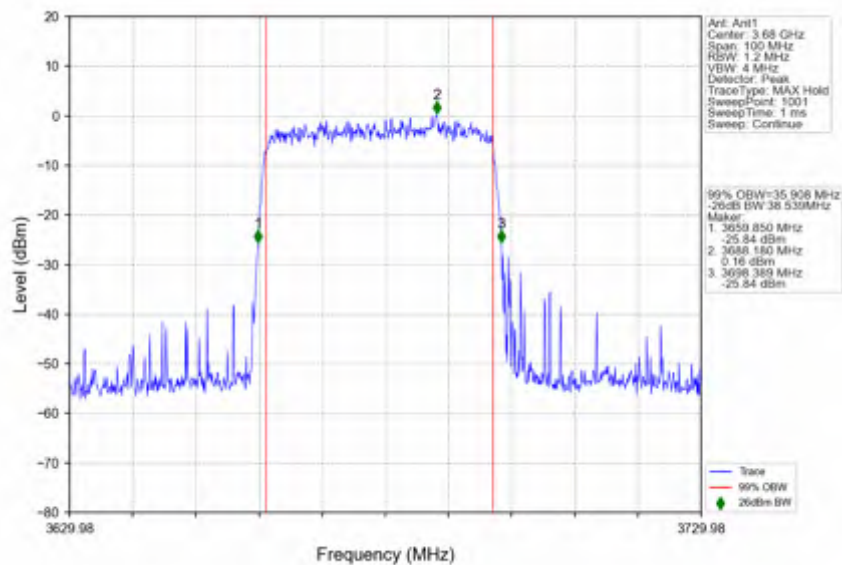
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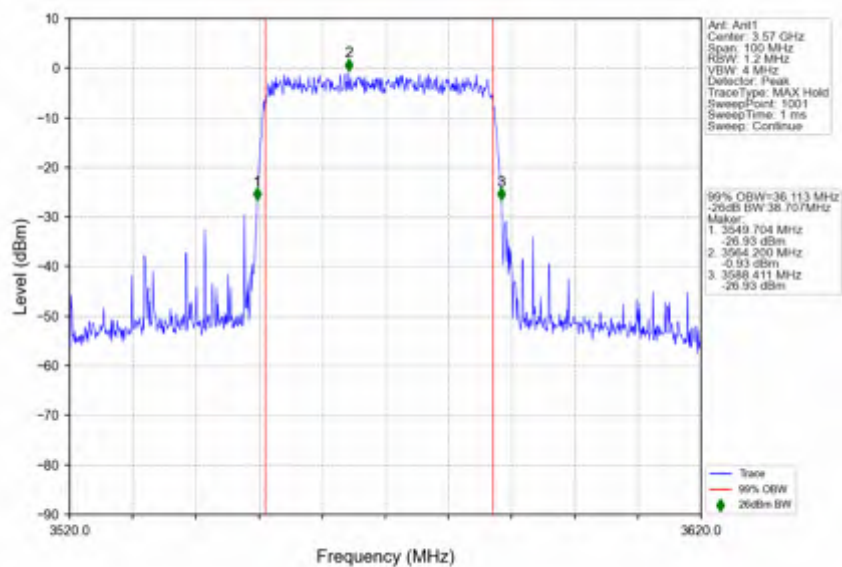
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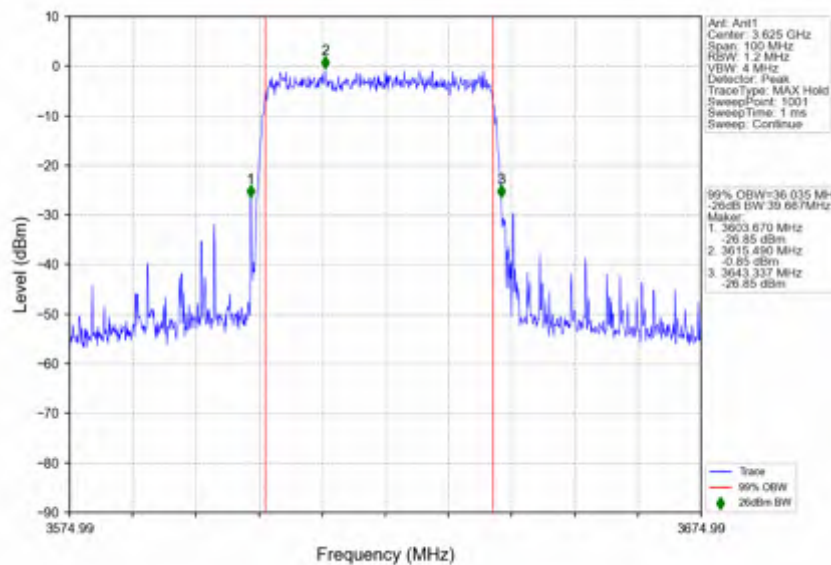
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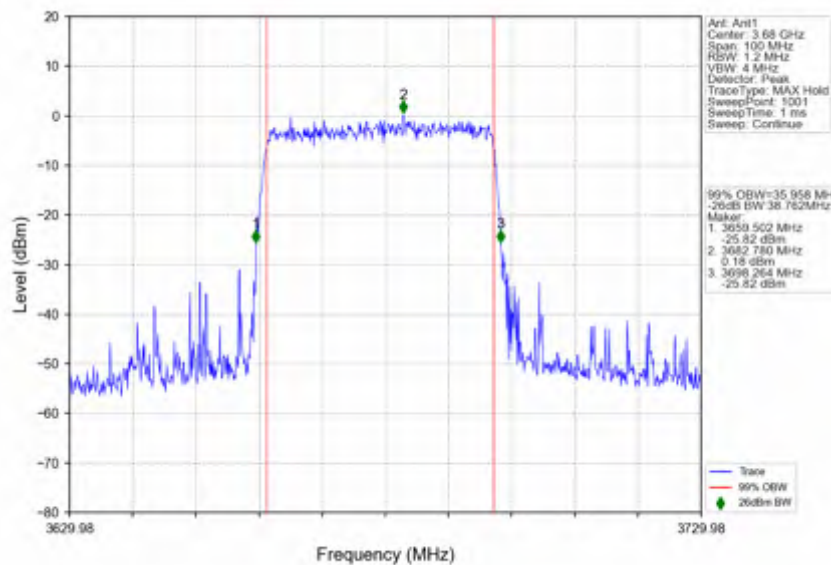
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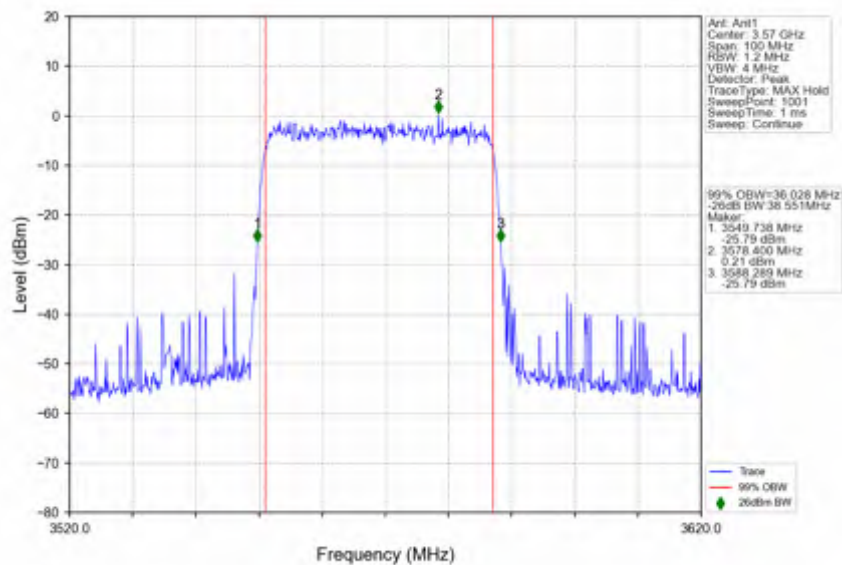
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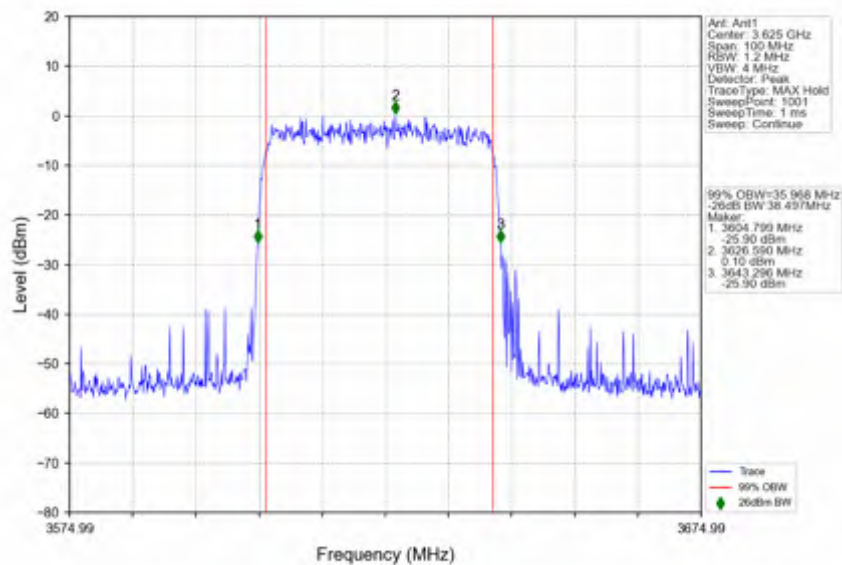
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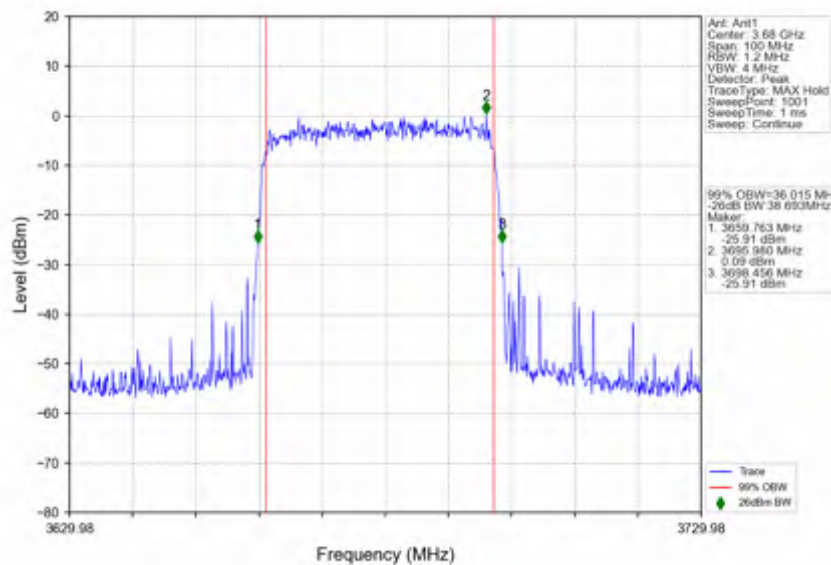
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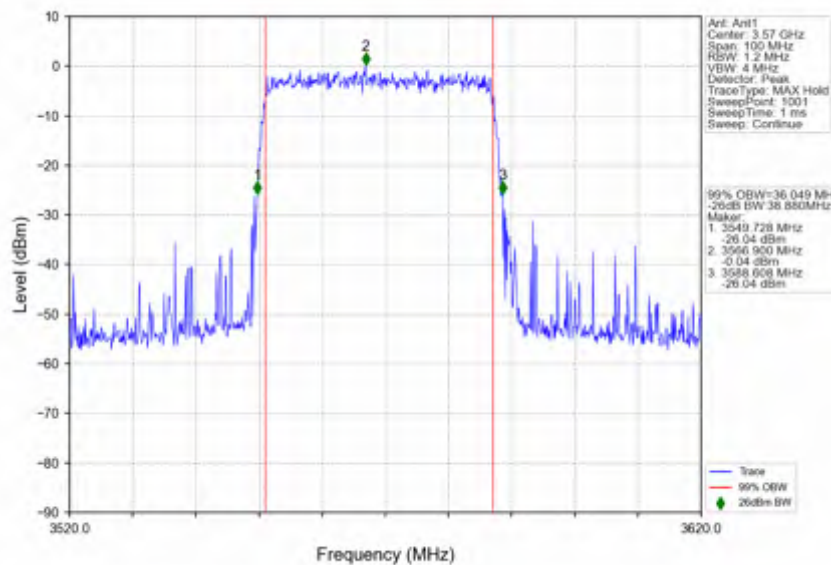
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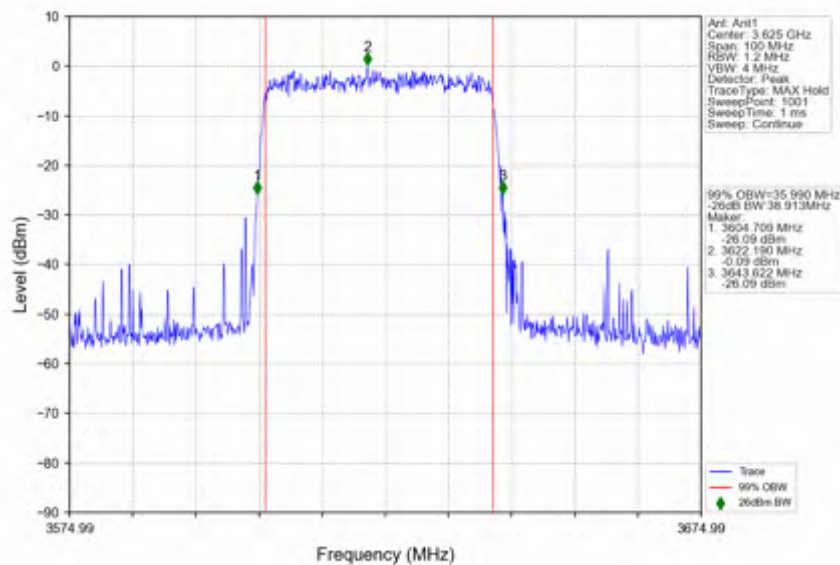
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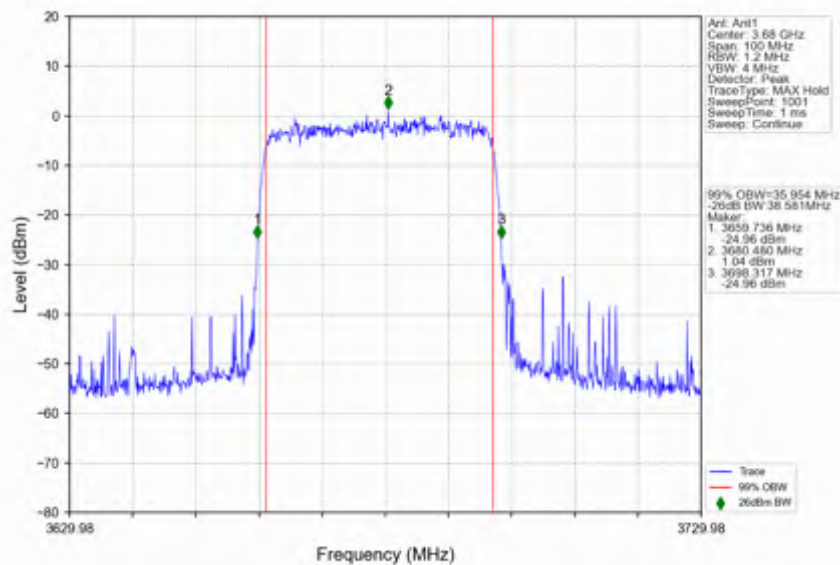
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n78d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_64_QAM_3624.99MHz_Outer_Full



n78d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_64_QAM_3679.98MHz_Outer_Full



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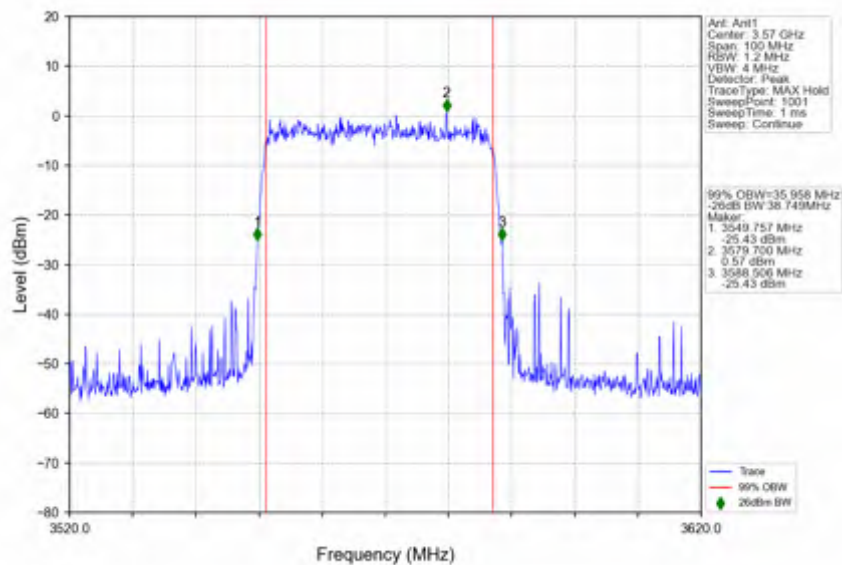
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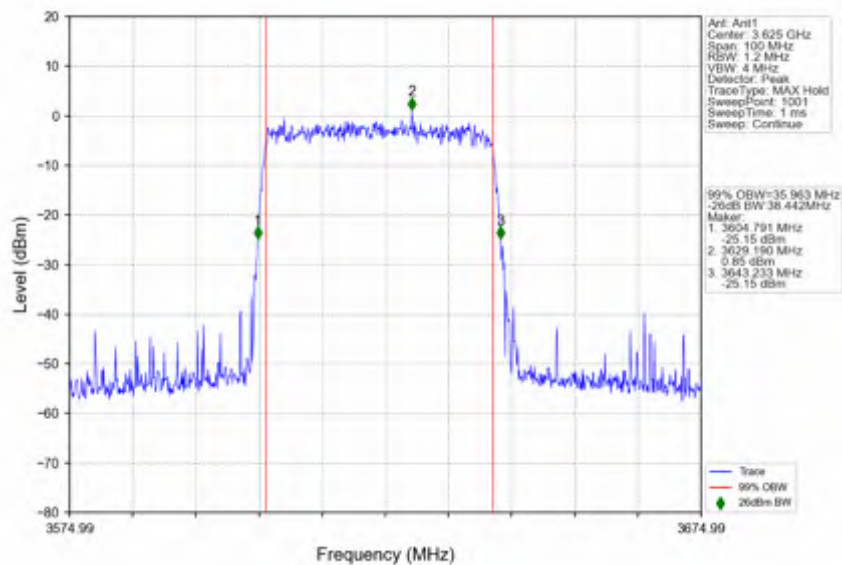
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n78d_30kHz_SISO_NTNV_40MHz_DFT-s-OFDM_256_QAM_3570MHz_Outer_Full



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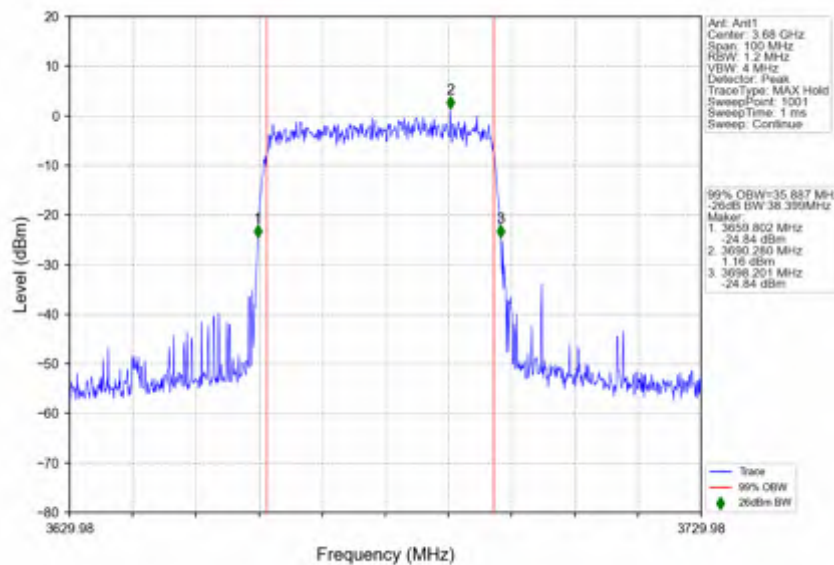
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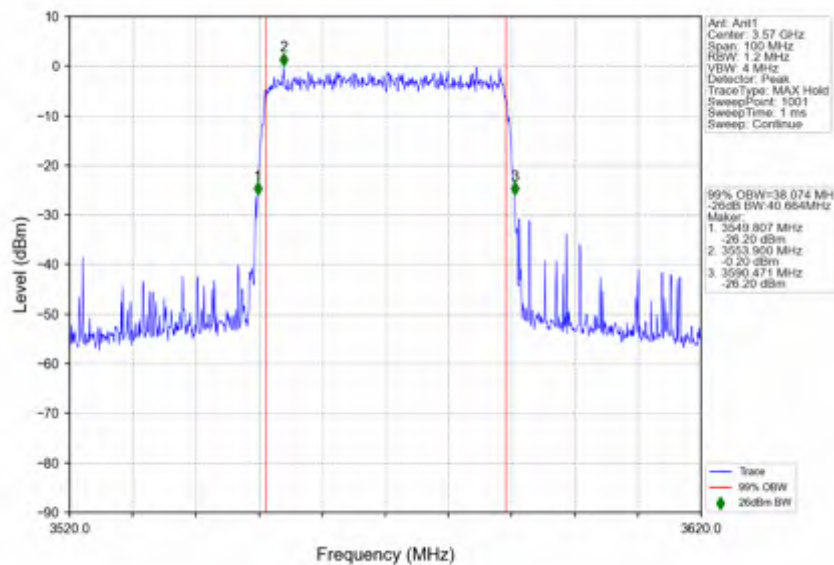
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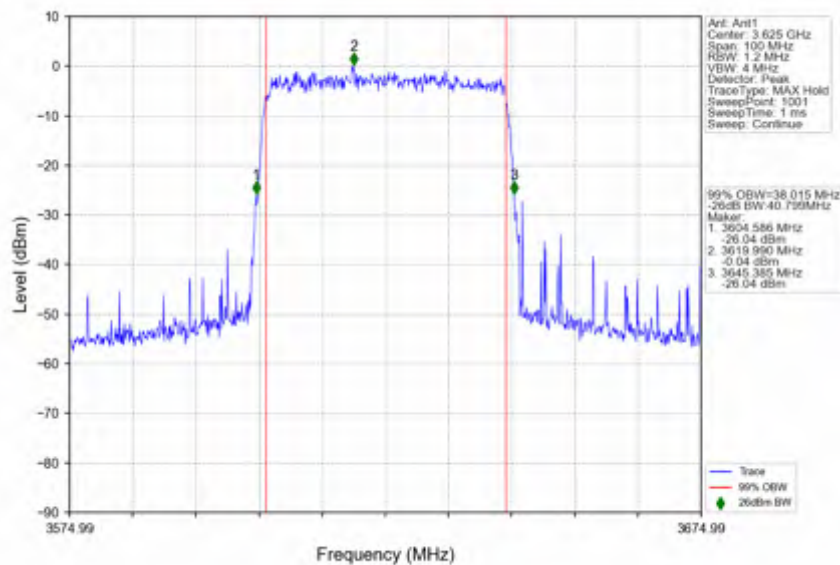
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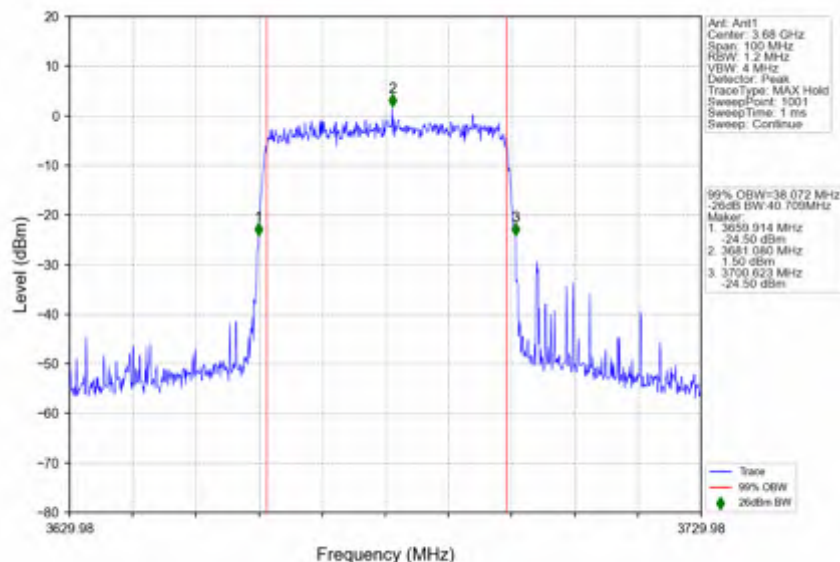
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n78d 30kHz SISO NTNv 40MHz CP-OFDM QPSK 3624.99MHz Outer Full



n78d 30kHz SISO NTNv 40MHz CP-OFDM QPSK 3679.98MHz Outer Full

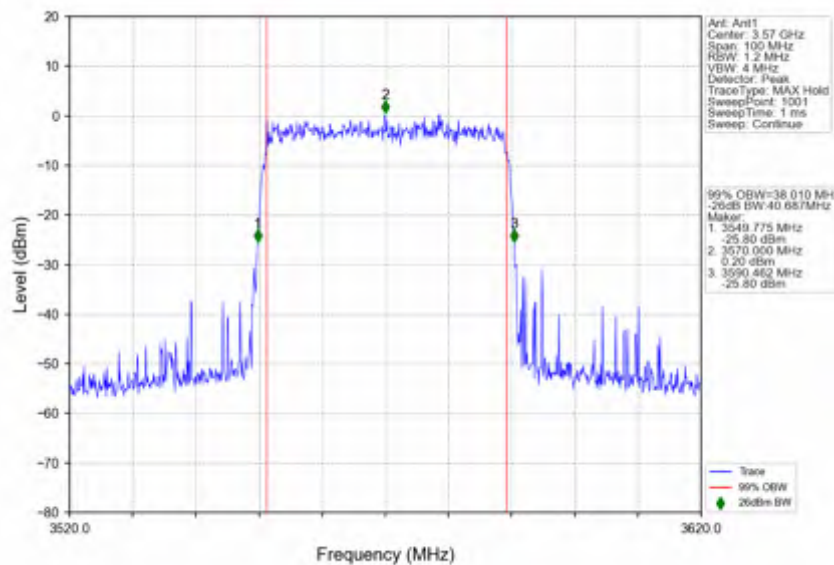


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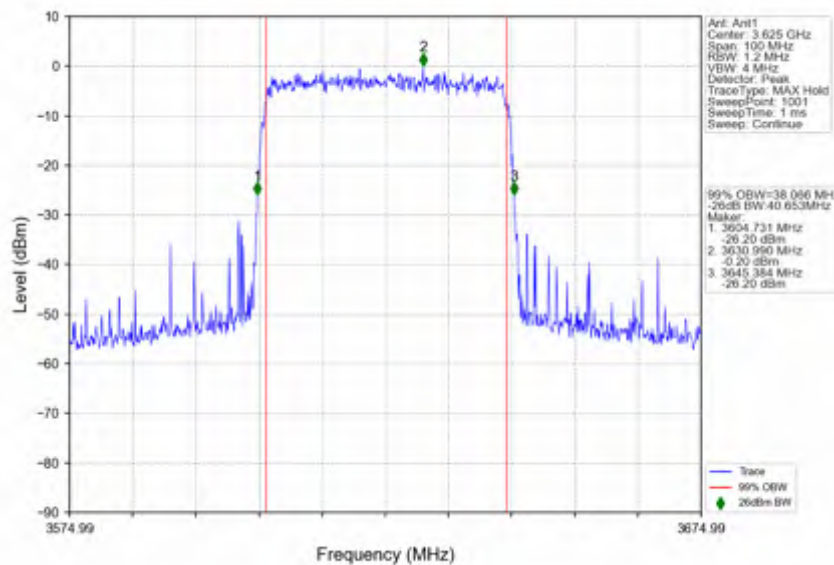
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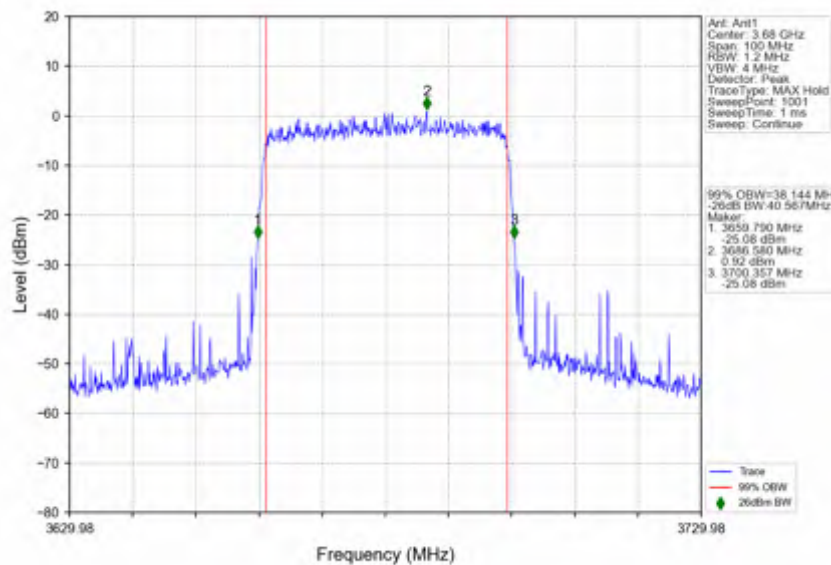
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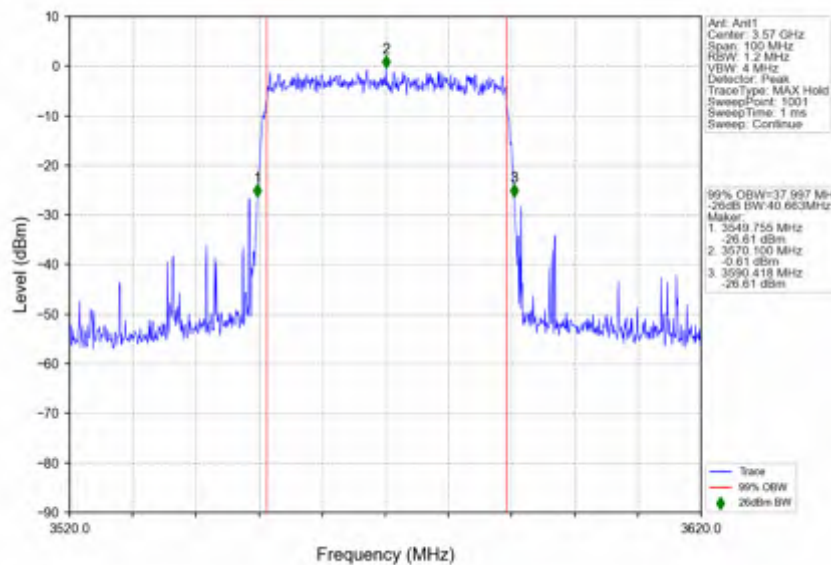
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n78d_30kHz_SISO_NTNV_40MHz_CP-OFDM_64_QAM_3570MHz_Outer_Full

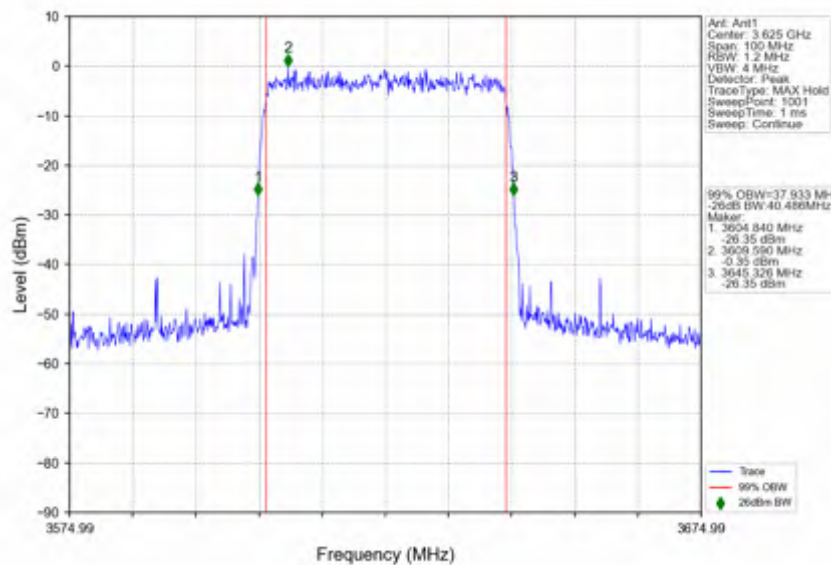


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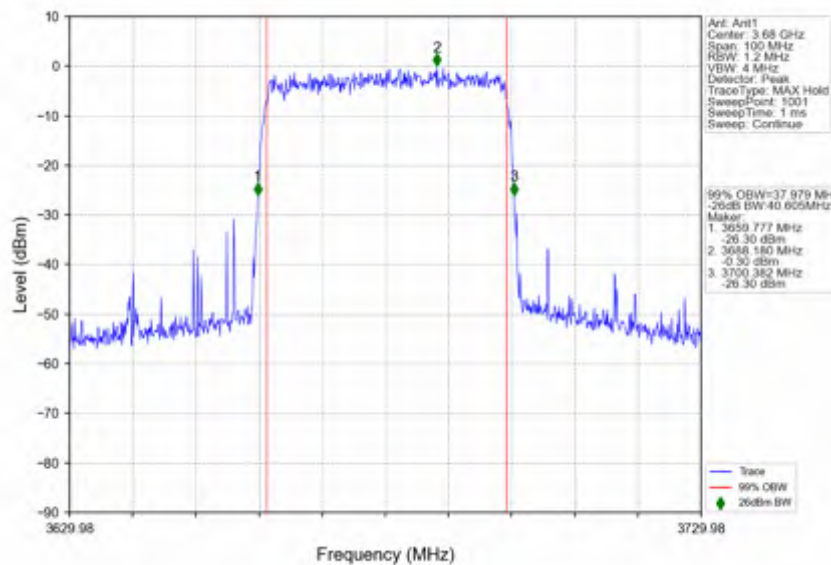
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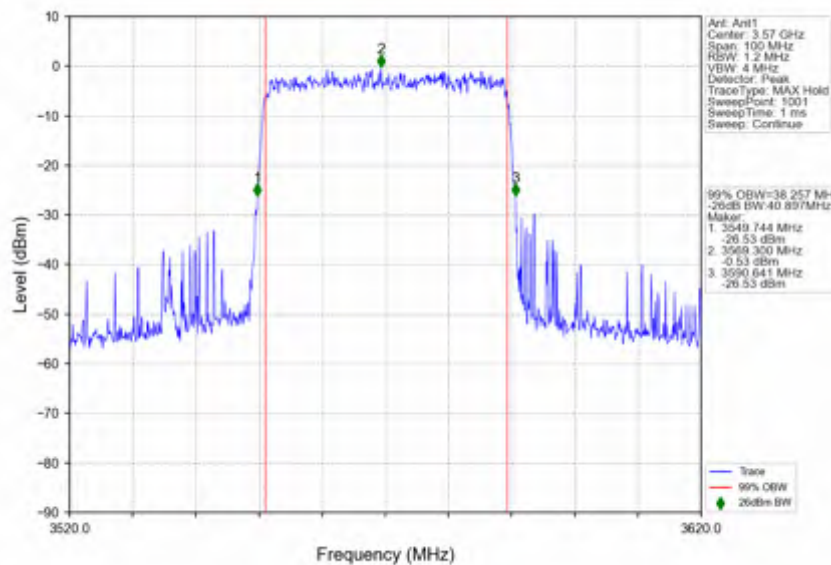
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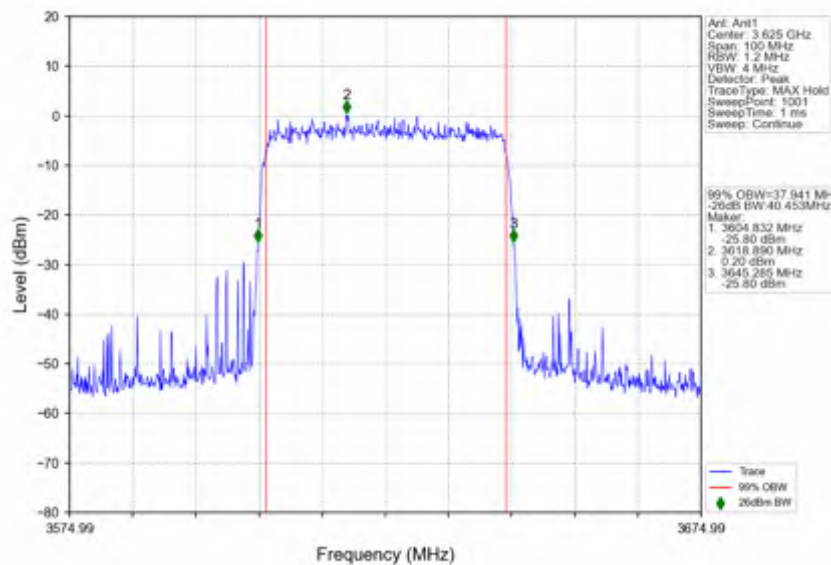
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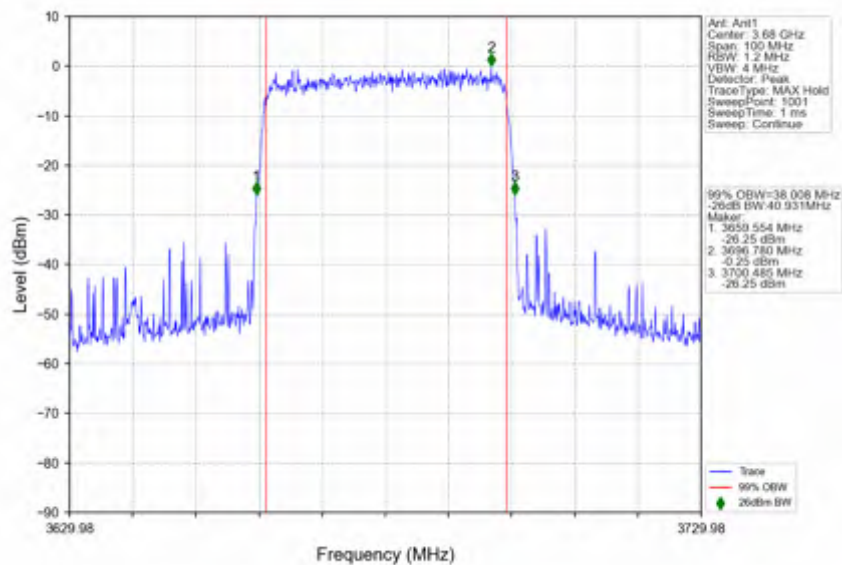
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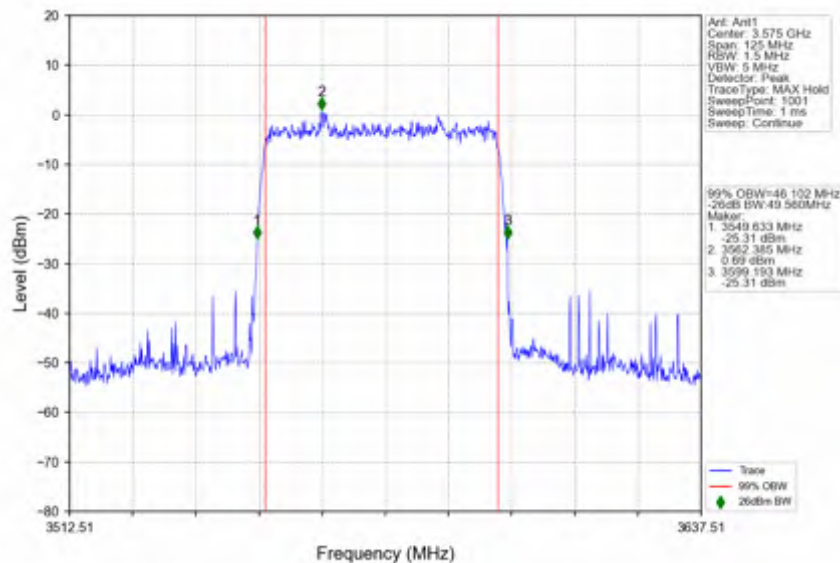
8.14 30k_SISO_50MHz_NTNV

8.14.1 Test Result

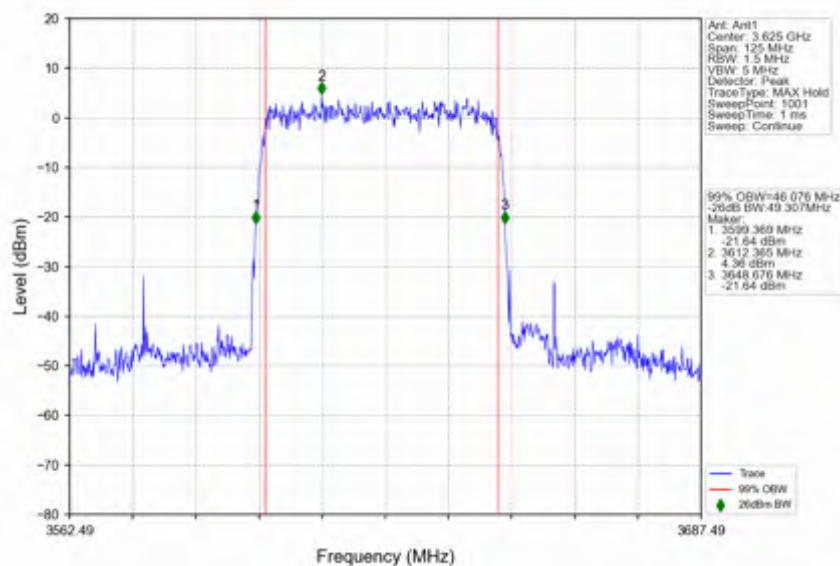
5G NR n78d SCS=30kHz SISO 50MHz NTV						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3575.01	Outer_Full	46.10	49.56	/	Pass
	3624.99	Outer_Full	46.08	49.31	/	Pass
	3675	Outer_Full	45.98	48.98	/	Pass
DFT-s-OFDM QPSK	3575.01	Outer_Full	46.14	49.24	/	Pass
	3624.99	Outer_Full	45.93	49.84	/	Pass
	3675	Outer_Full	46.19	49.39	/	Pass
DFT-s-OFDM 16 QAM	3575.01	Outer_Full	46.25	49.39	/	Pass
	3624.99	Outer_Full	45.96	49.08	/	Pass
	3675	Outer_Full	45.71	48.97	/	Pass
DFT-s-OFDM 64 QAM	3575.01	Outer_Full	45.96	49.58	/	Pass
	3624.99	Outer_Full	46.01	49.57	/	Pass
	3675	Outer_Full	46.28	48.55	/	Pass
DFT-s-OFDM 256 QAM	3575.01	Outer_Full	45.99	49.28	/	Pass
	3624.99	Outer_Full	45.84	49.04	/	Pass
	3675	Outer_Full	45.96	49.16	/	Pass
CP-OFDM QPSK	3575.01	Outer_Full	47.74	51.13	/	Pass
	3624.99	Outer_Full	47.76	50.91	/	Pass
	3675	Outer_Full	47.33	51.01	/	Pass
CP-OFDM 16 QAM	3575.01	Outer_Full	47.67	51.15	/	Pass
	3624.99	Outer_Full	47.63	50.88	/	Pass
	3675	Outer_Full	47.40	50.72	/	Pass
CP-OFDM 64 QAM	3575.01	Outer_Full	47.89	50.70	/	Pass
	3624.99	Outer_Full	47.80	50.45	/	Pass
	3675	Outer_Full	47.98	50.67	/	Pass
CP-OFDM 256 QAM	3575.01	Outer_Full	47.70	50.84	/	Pass
	3624.99	Outer_Full	47.87	51.53	/	Pass
	3675	Outer_Full	47.64	50.65	/	Pass

8.14.2 Test Graph

n78d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM PI/2 BPSK_3575.01MHz_Outer_Full



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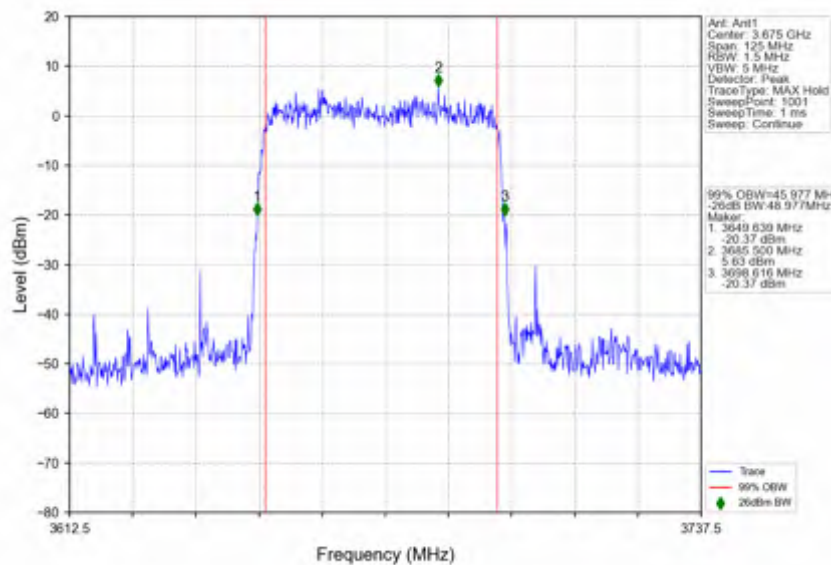
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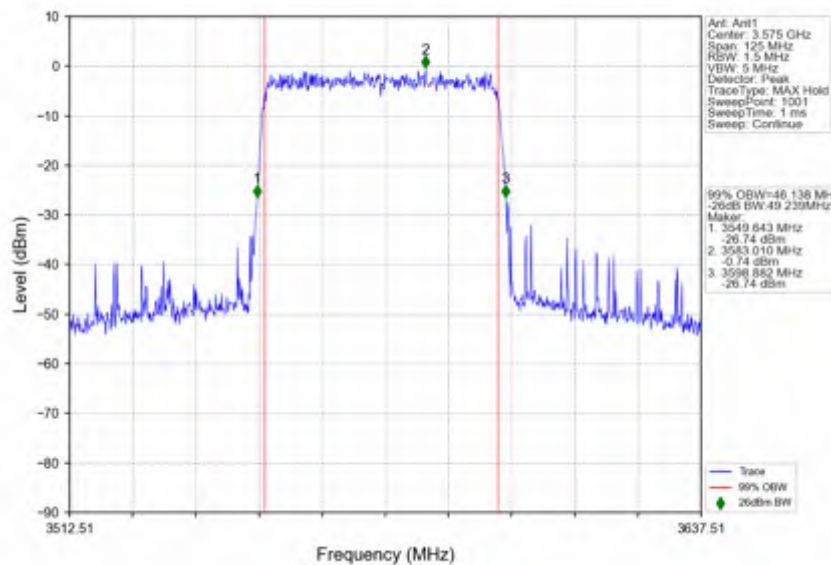
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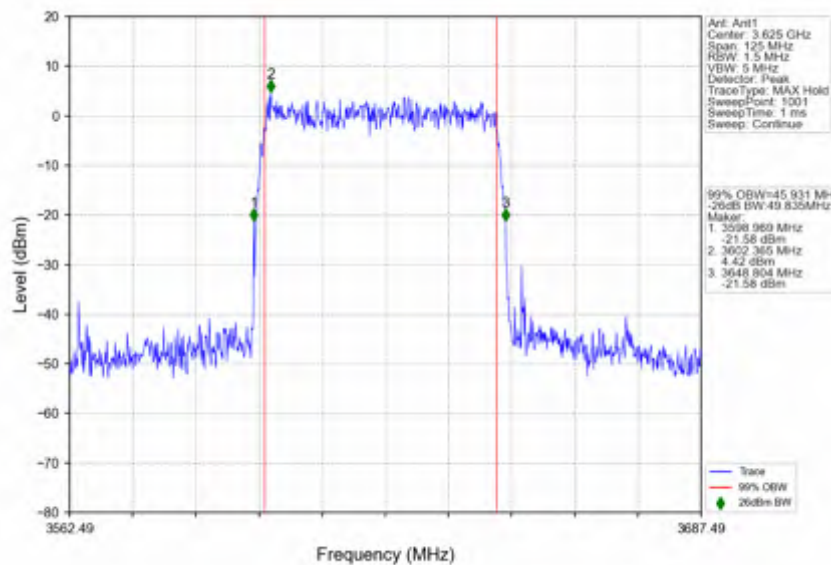
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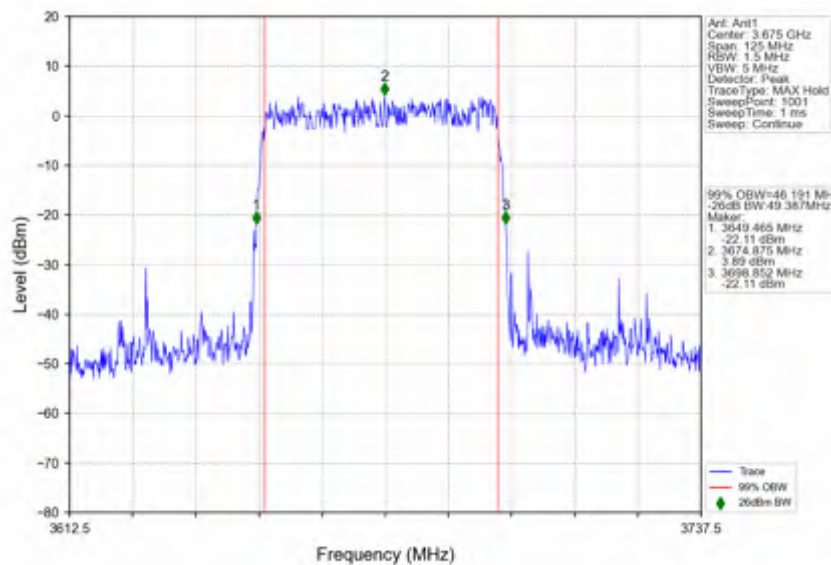
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n78d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_QPSK_3675MHz_Outer_Full

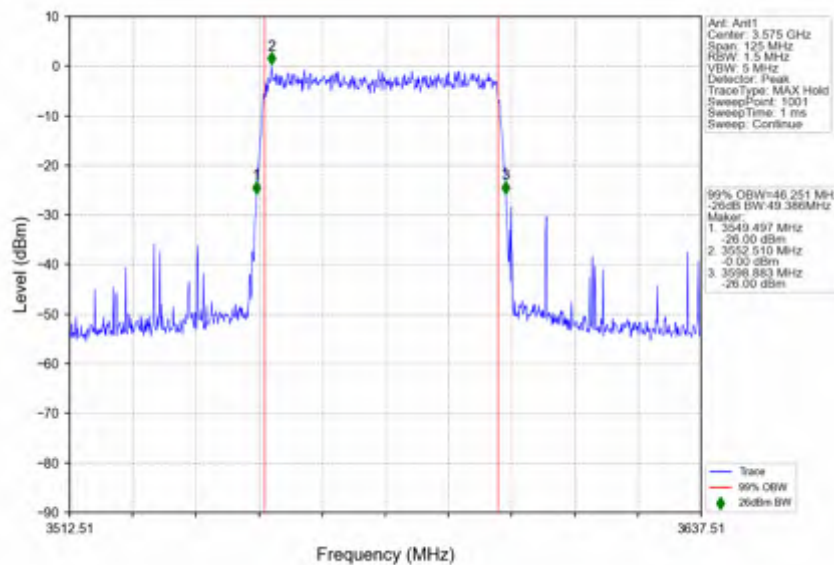


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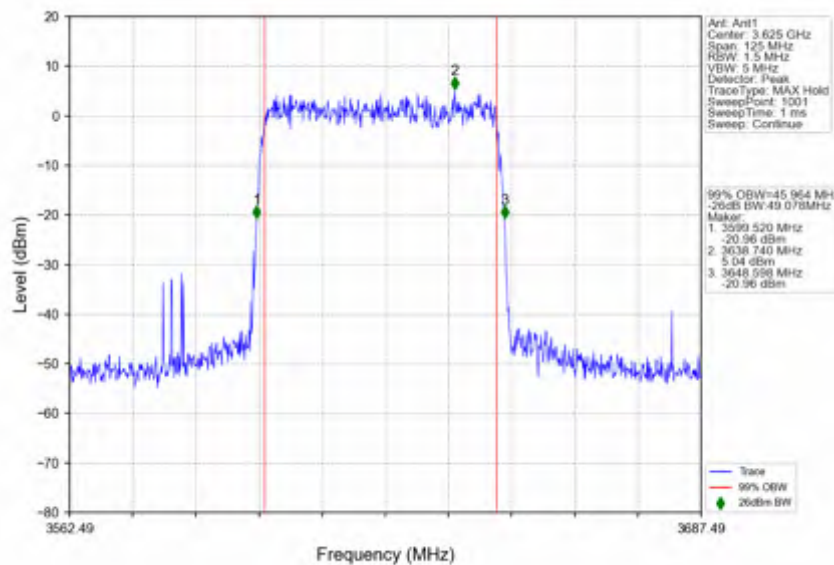
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n78d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_16_QAM_3575.01MHz_Outer_Full



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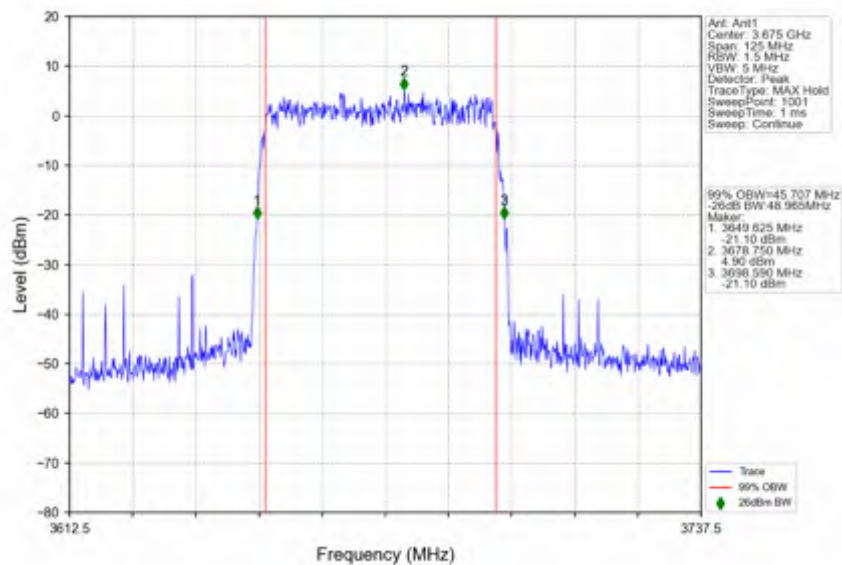


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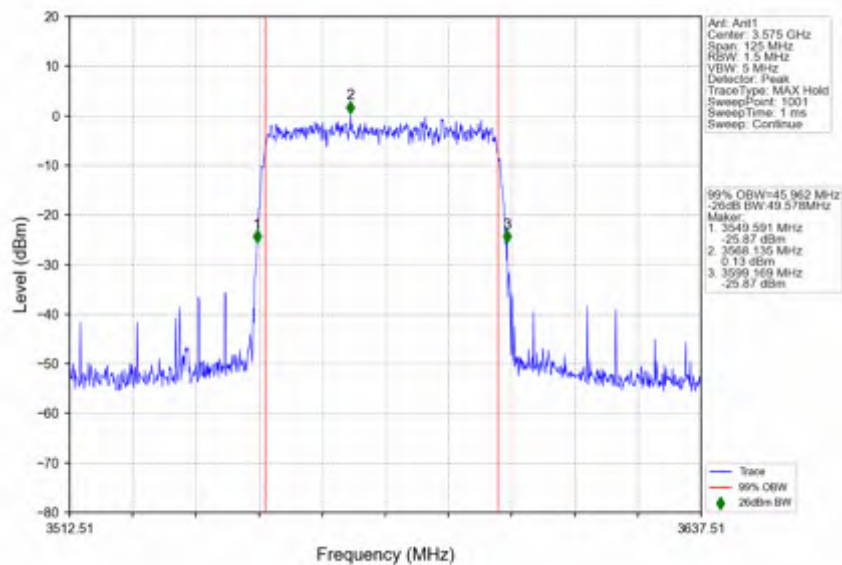
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n78d 30kHz SISO NTNv 50MHz DFT-s-OFDM 16 QAM 3675MHz Outer Full



n78d_30kHz_SISO_NTNV_50MHz_DFT-s-OFDM_64_QAM_3575.01MHz_Outer_Full

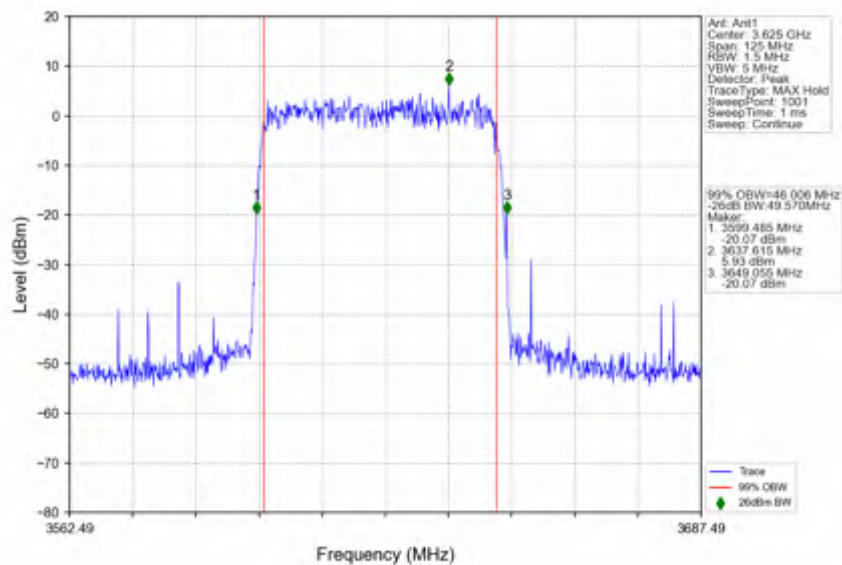


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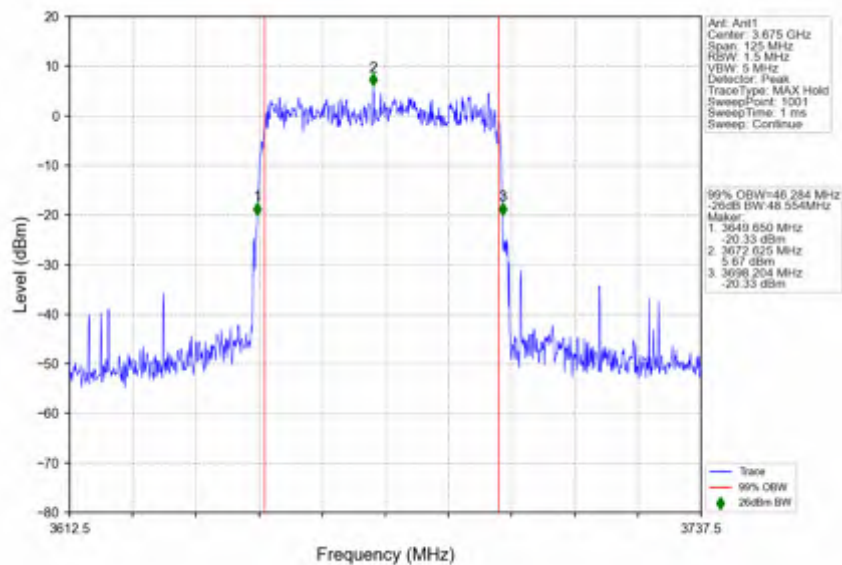
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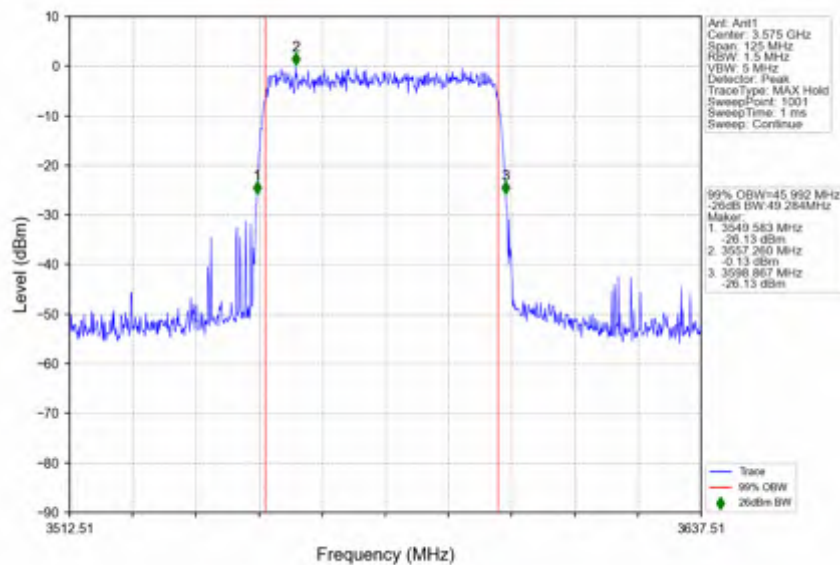
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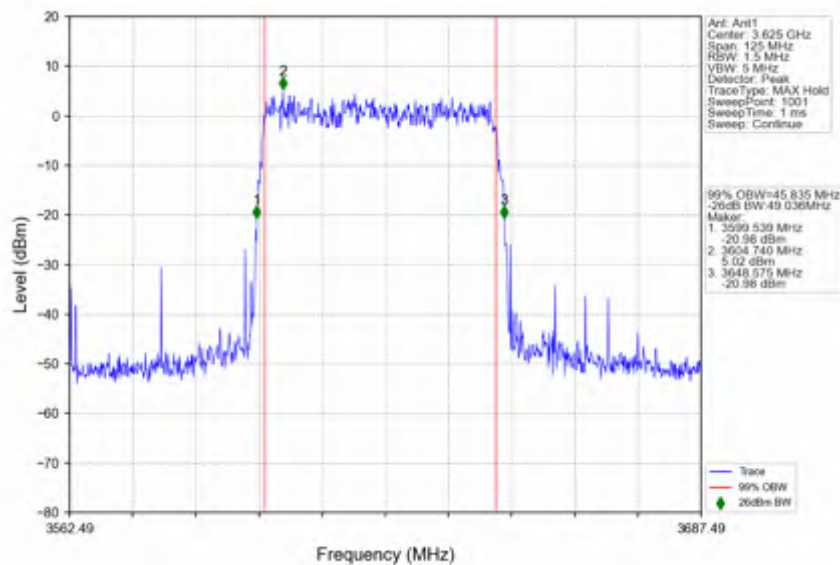
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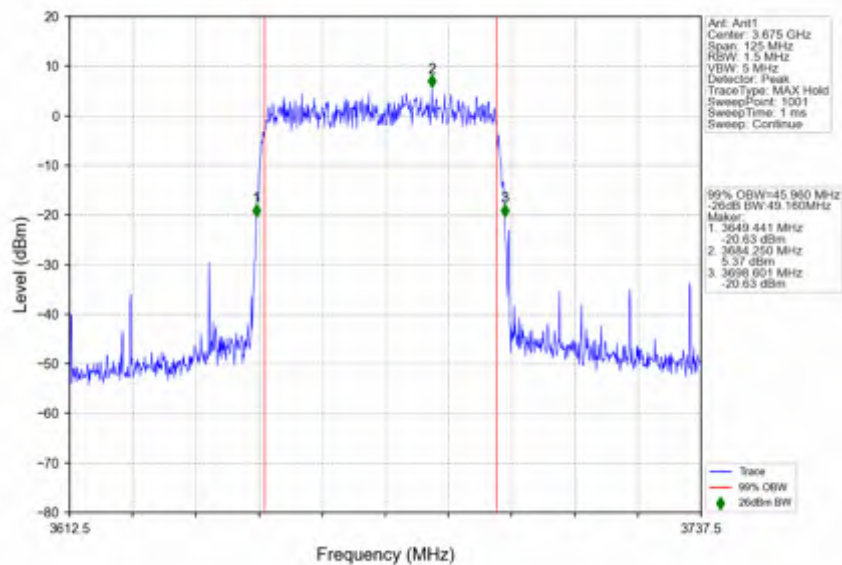


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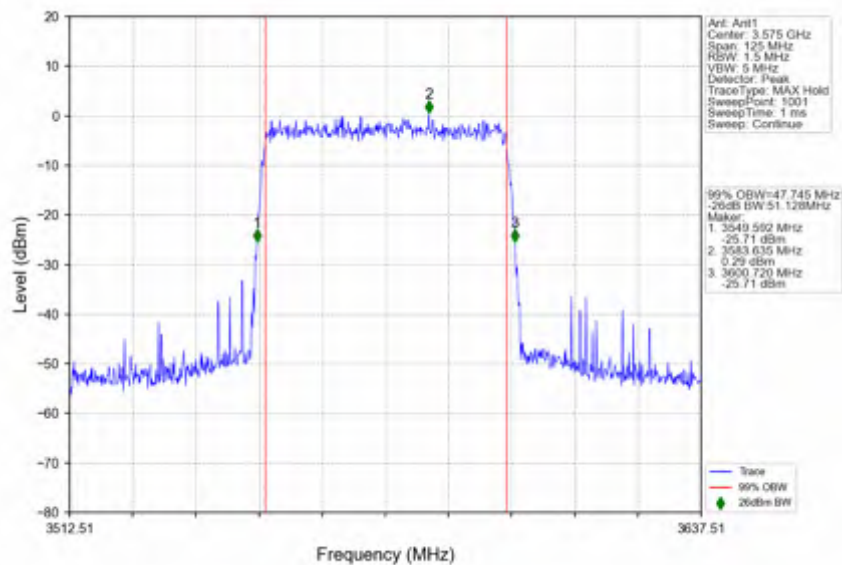
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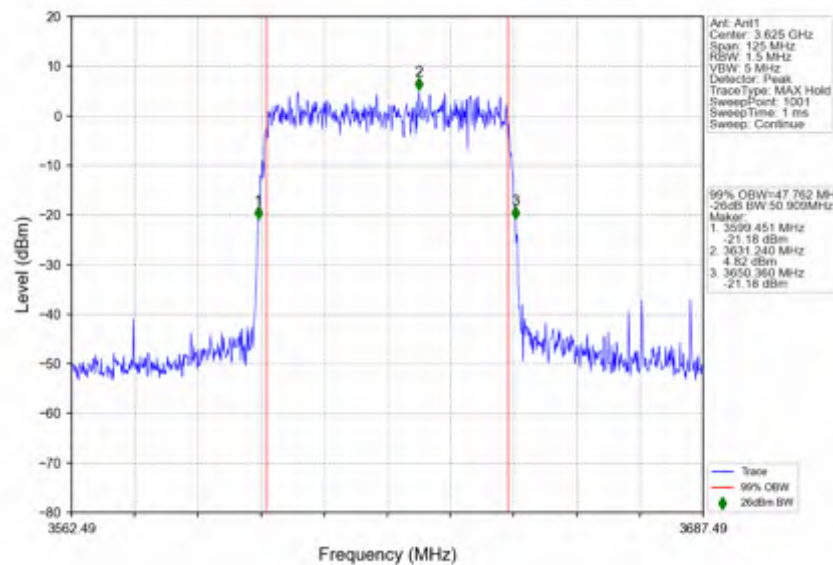
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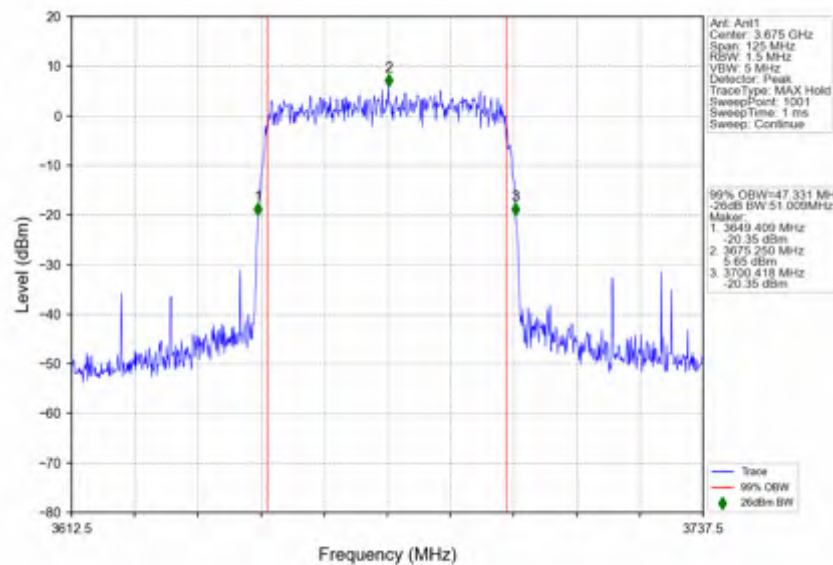
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n78d 30kHz SISO NTN 50MHz CP-OFDM QPSK 3675MHz Outer Full

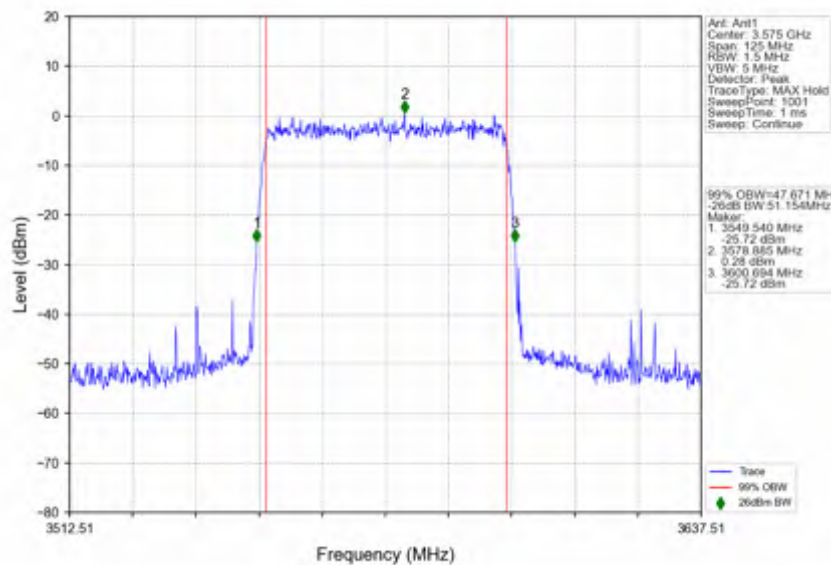


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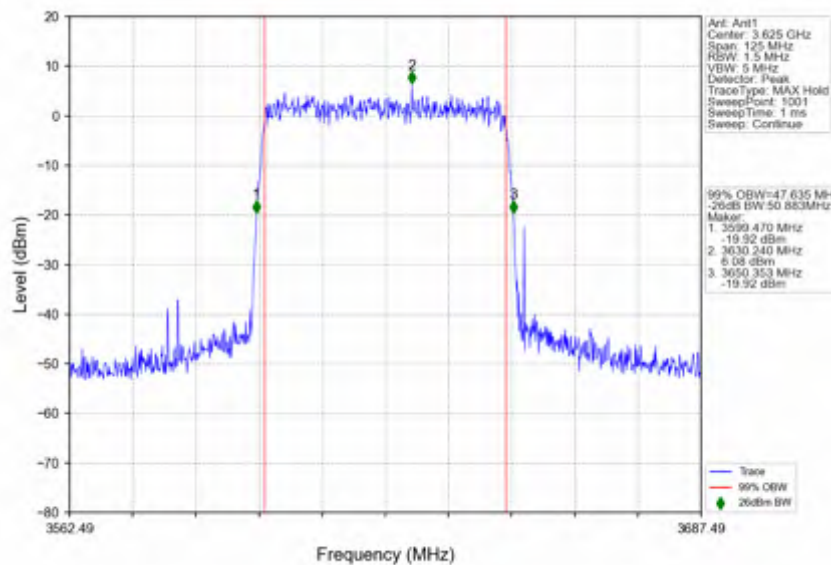
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n78d 30kHz SISO NTNv 50MHz CP-OFDM 16 QAM 3624.99MHz Outer Full

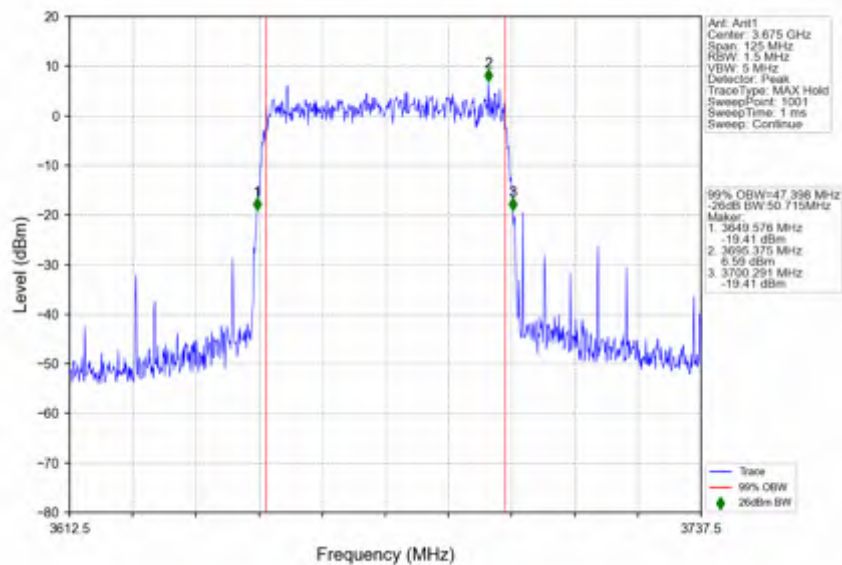


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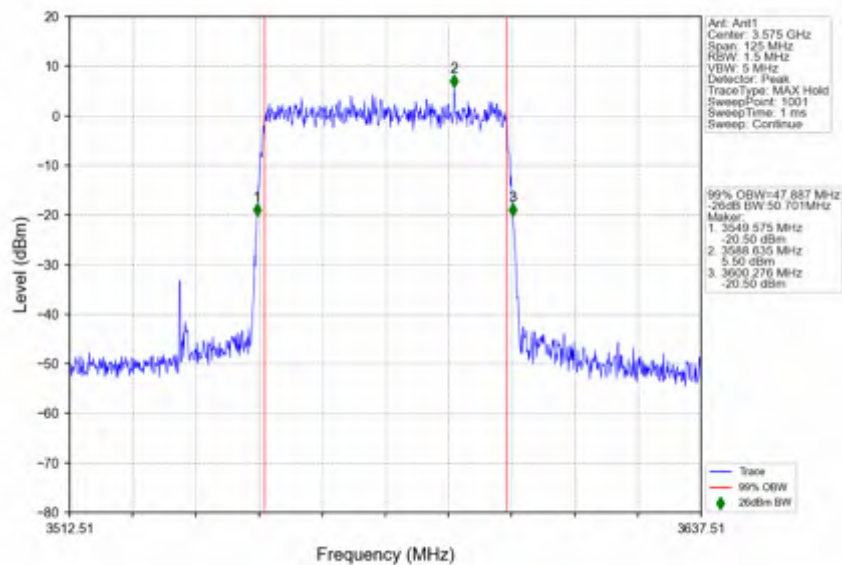
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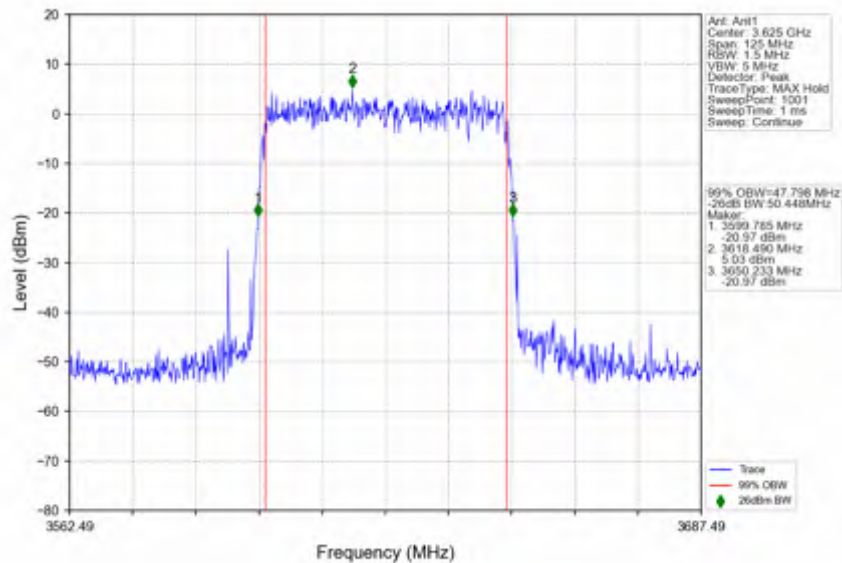
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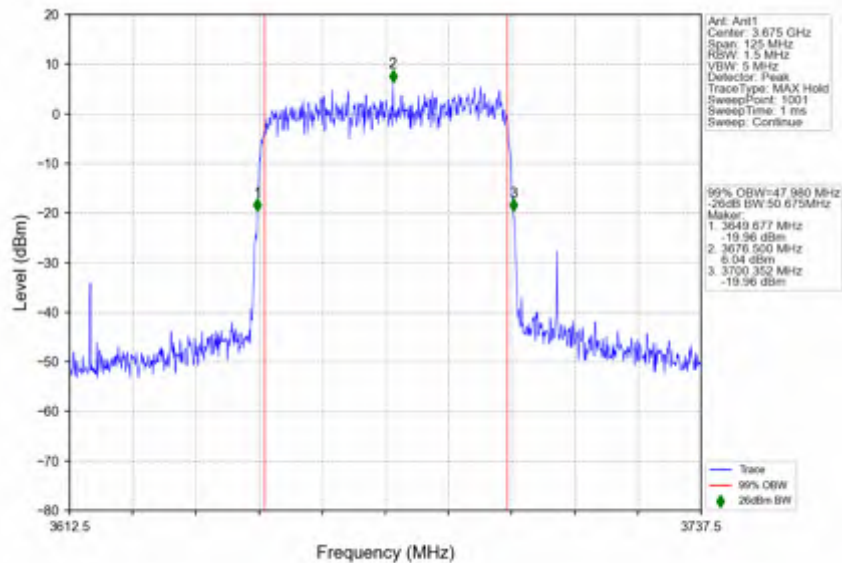
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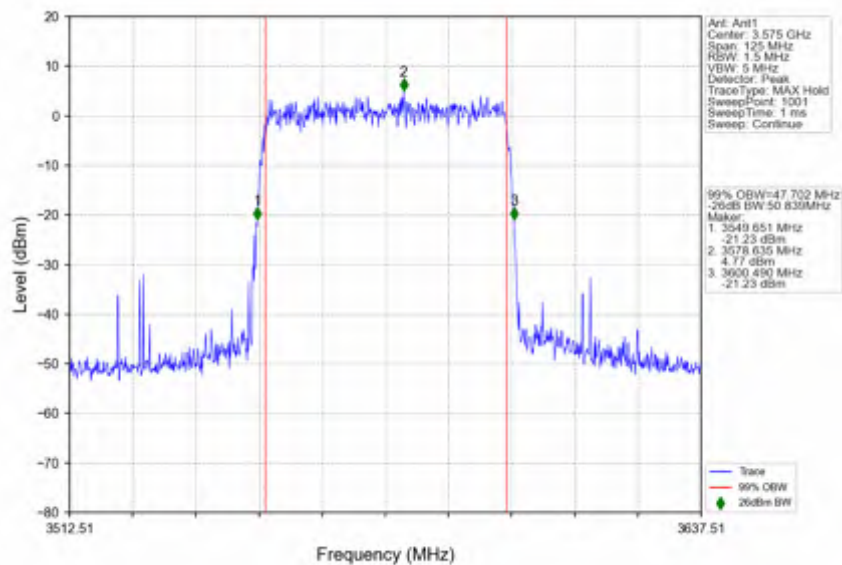
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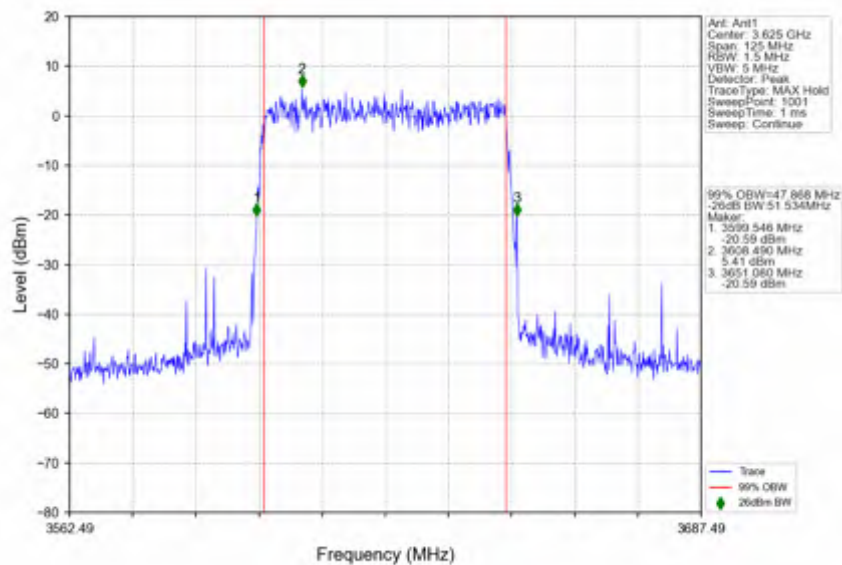
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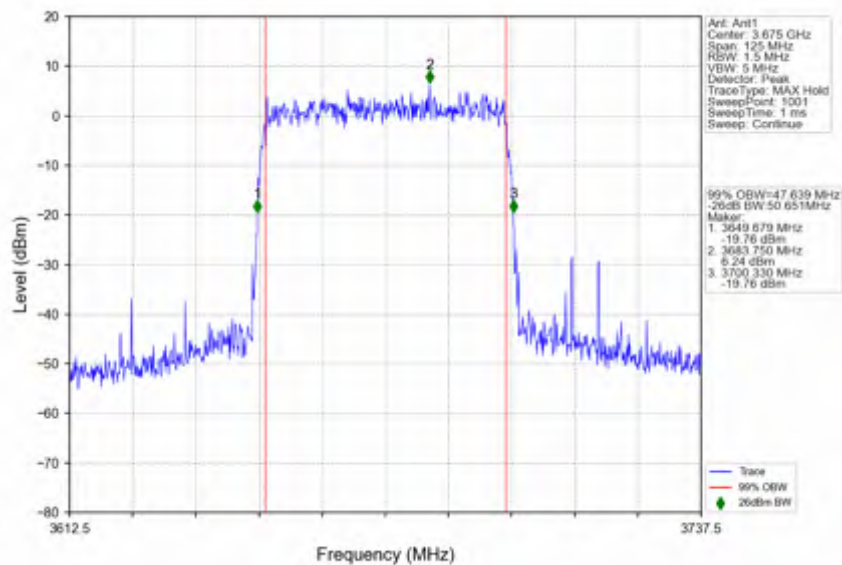
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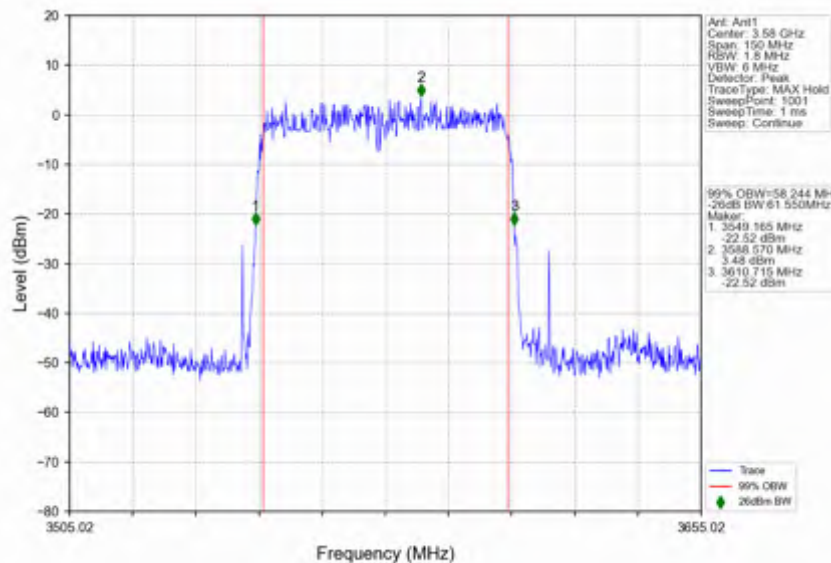
8.15 30k_SISO_60MHz_NTNV

8.15.1 Test Result

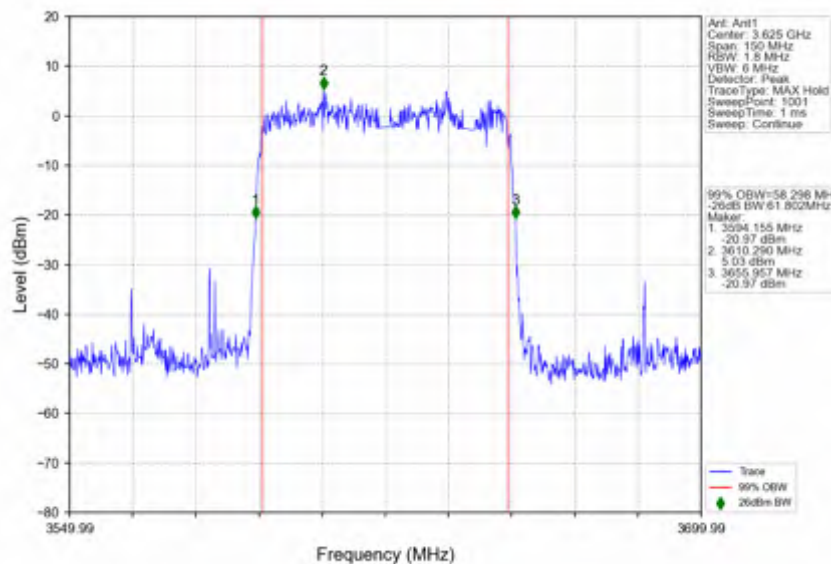
5G NR n78d SCS=30kHz SISO 60MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK	3580.02	Outer_Full	58.24	61.55	/	Pass
	3624.99	Outer_Full	58.30	61.80	/	Pass
	3669.99	Outer_Full	58.36	61.98	/	Pass
DFT-s-OFDM QPSK	3580.02	Outer_Full	58.02	63.15	/	Pass
	3624.99	Outer_Full	57.97	62.13	/	Pass
	3669.99	Outer_Full	58.51	64.18	/	Pass
DFT-s-OFDM 16 QAM	3580.02	Outer_Full	57.99	61.75	/	Pass
	3624.99	Outer_Full	57.89	61.63	/	Pass
	3669.99	Outer_Full	58.31	62.19	/	Pass
DFT-s-OFDM 64 QAM	3580.02	Outer_Full	58.13	61.91	/	Pass
	3624.99	Outer_Full	57.93	62.06	/	Pass
	3669.99	Outer_Full	58.10	61.75	/	Pass
DFT-s-OFDM 256 QAM	3580.02	Outer_Full	57.98	62.14	/	Pass
	3624.99	Outer_Full	58.21	62.08	/	Pass
	3669.99	Outer_Full	58.25	62.24	/	Pass
CP-OFDM QPSK	3580.02	Outer_Full	57.61	61.84	/	Pass
	3624.99	Outer_Full	58.16	61.93	/	Pass
	3669.99	Outer_Full	58.13	62.10	/	Pass
CP-OFDM 16 QAM	3580.02	Outer_Full	57.92	62.12	/	Pass
	3624.99	Outer_Full	57.90	61.82	/	Pass
	3669.99	Outer_Full	58.27	62.07	/	Pass
CP-OFDM 64 QAM	3580.02	Outer_Full	58.02	61.80	/	Pass
	3624.99	Outer_Full	57.90	62.08	/	Pass
	3669.99	Outer_Full	58.06	61.70	/	Pass
CP-OFDM 256 QAM	3580.02	Outer_Full	58.17	62.07	/	Pass
	3624.99	Outer_Full	58.25	61.81	/	Pass
	3669.99	Outer_Full	58.34	61.86	/	Pass

8.15.2 Test Graph

n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_PI/2_BPSK_3580.02MHz_Outer_Full



n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_PI/2_BPSK_3624.99MHz_Outer_Full



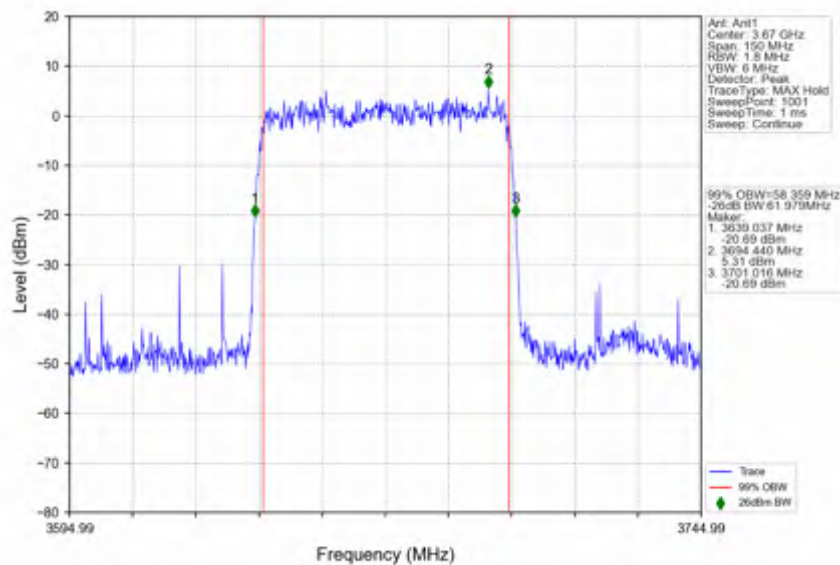
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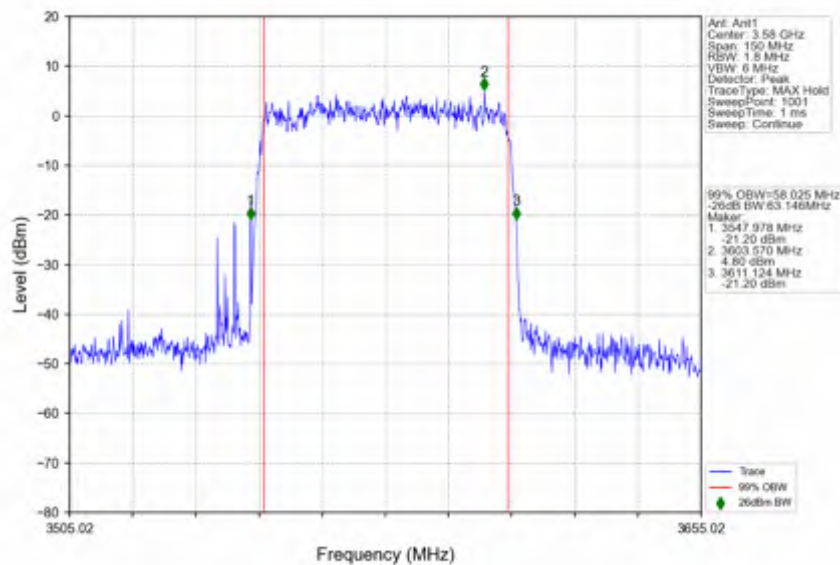
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n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM QPSK_3580.02MHz_Outer_Full



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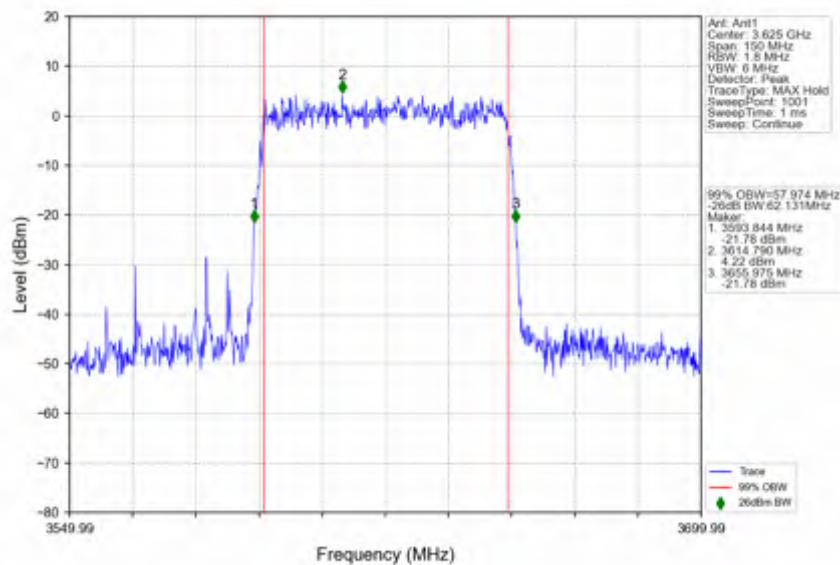
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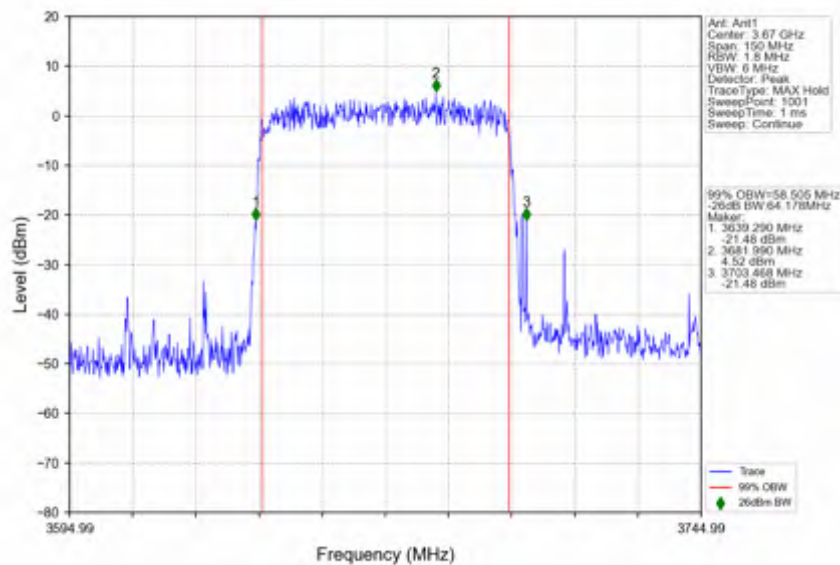
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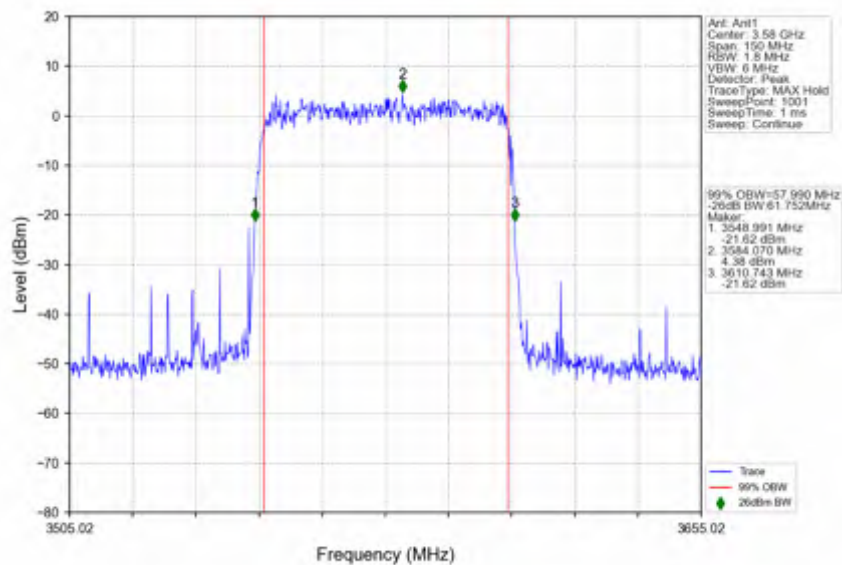


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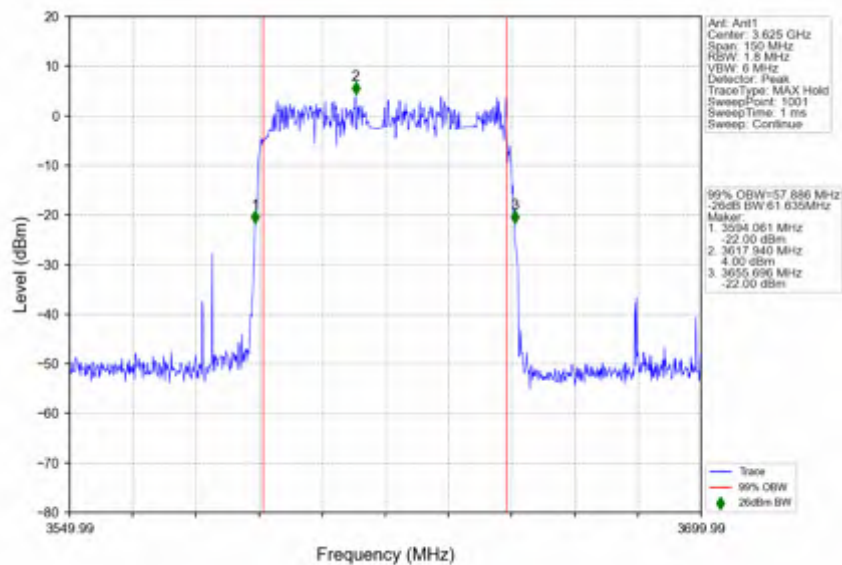
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n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM 16 QAM_3624.99MHz_Outer_Full



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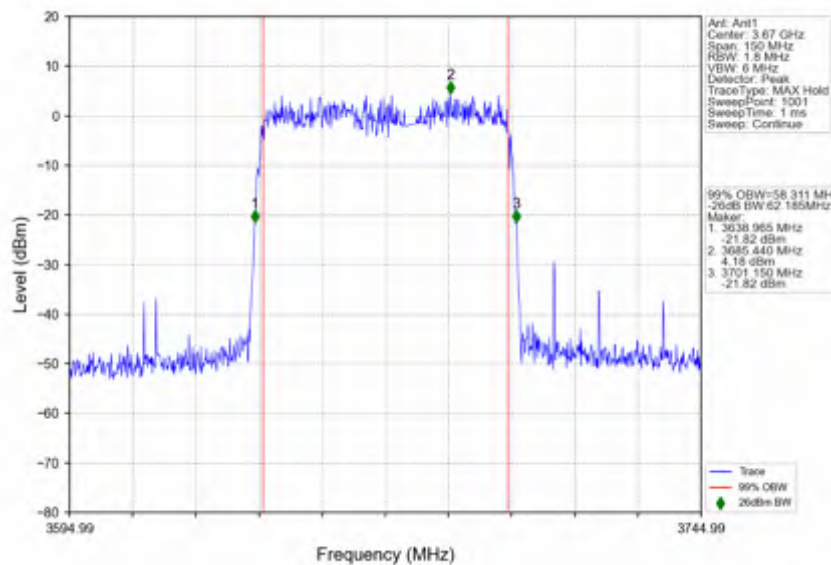
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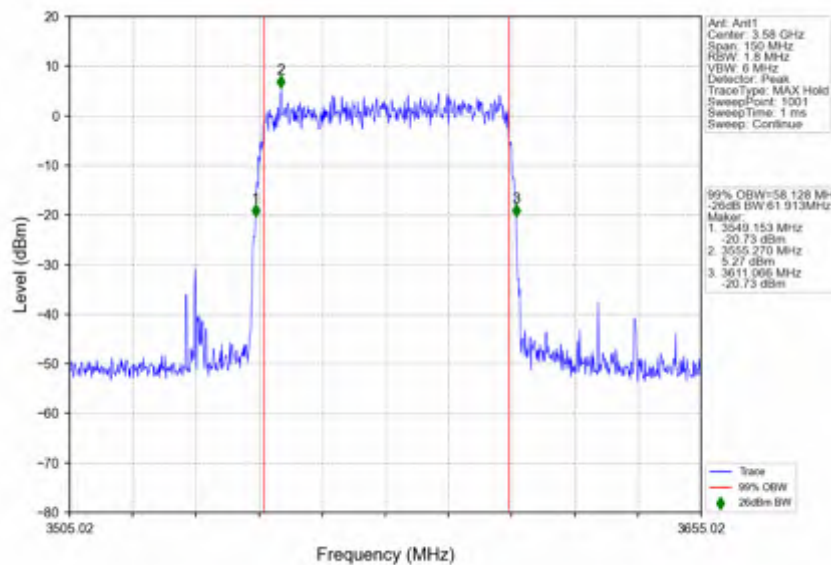
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n78d_30kHz_SISO_NTNV_60MHz_DFT-s-OFDM_64_QAM_3580.02MHz_Outer_Full

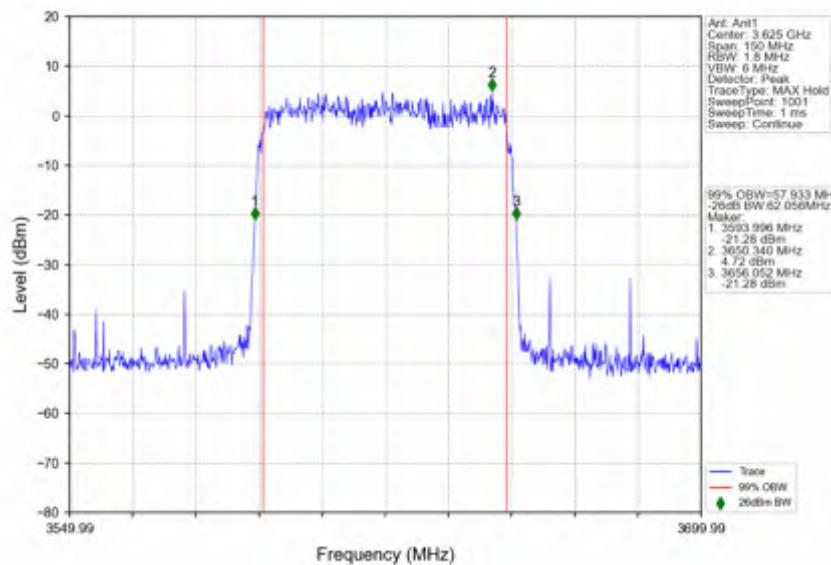


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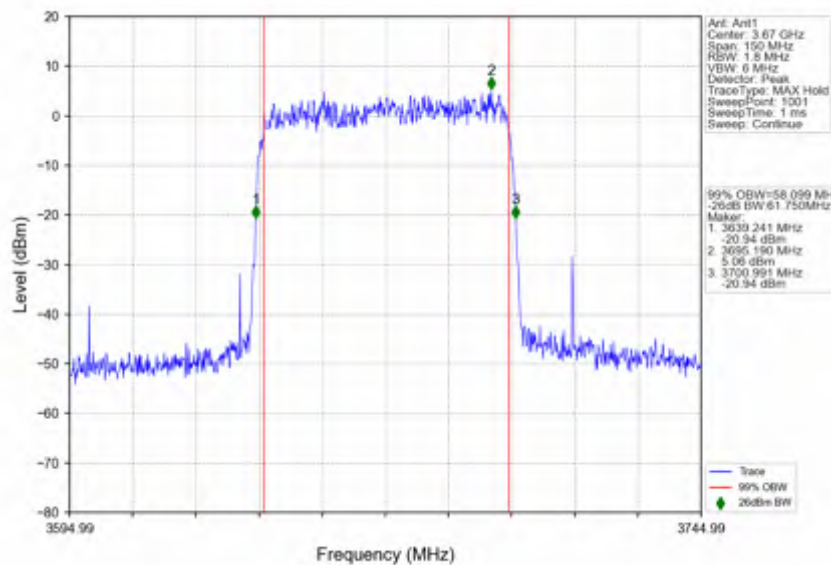
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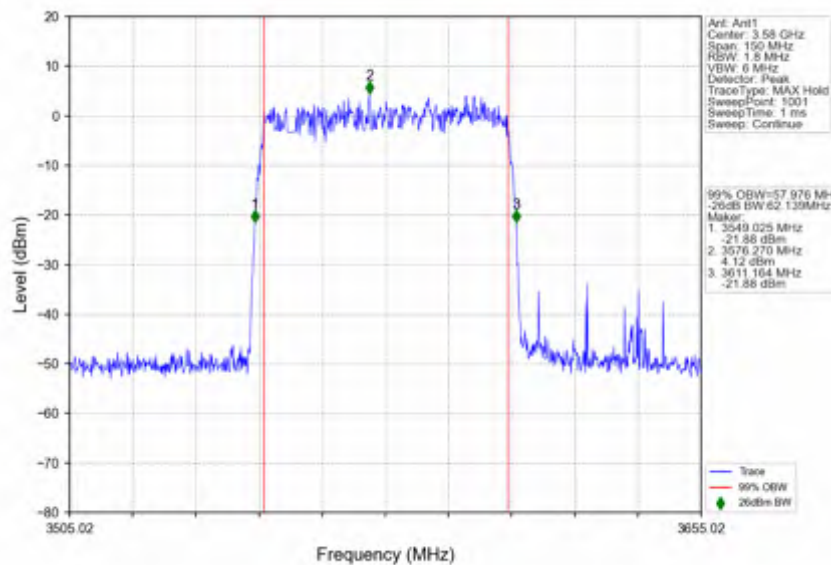
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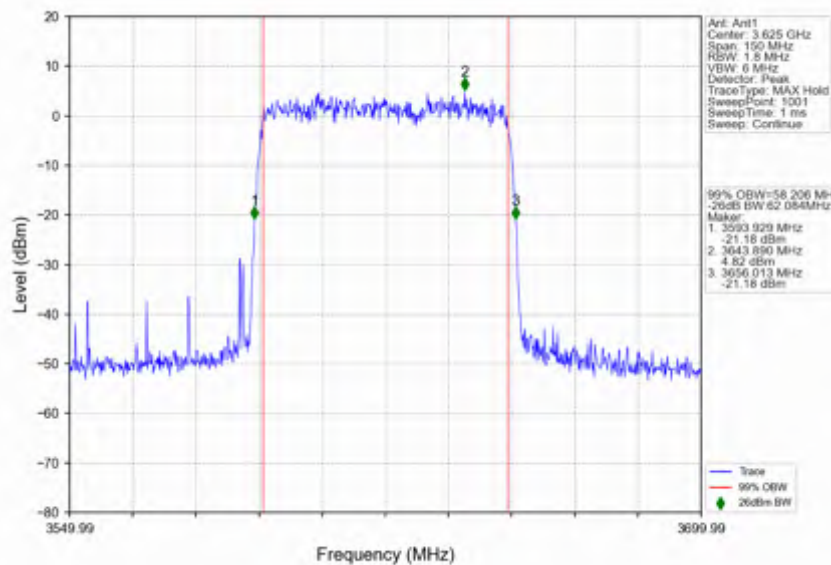
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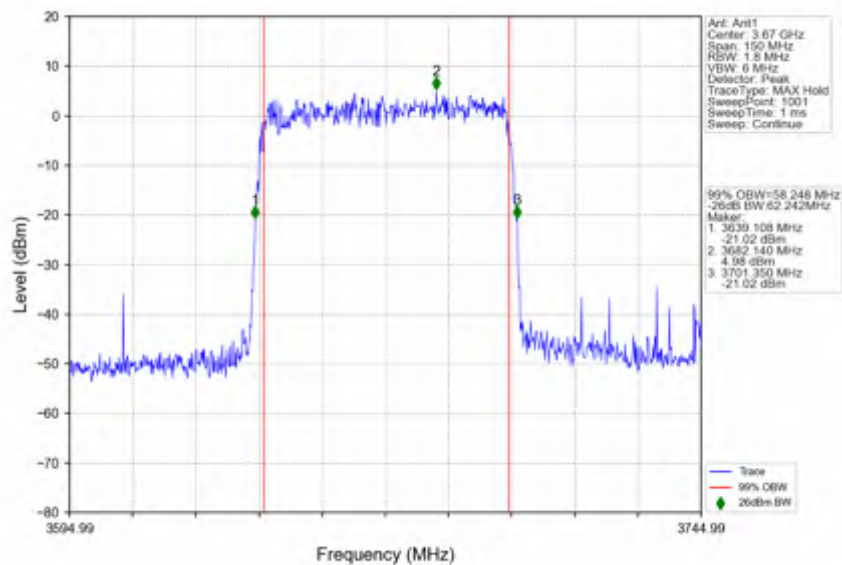


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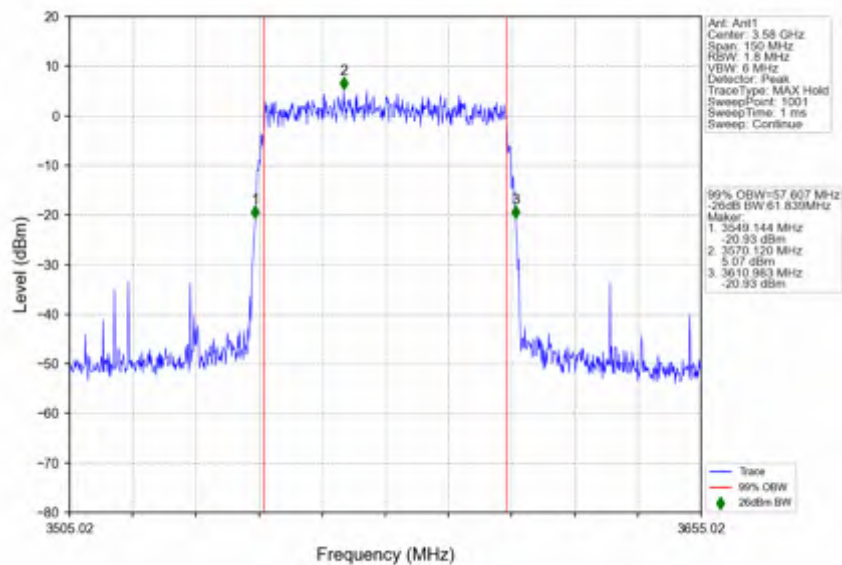
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n78d 30kHz SISO NTNv 60MHz CP-OFDM QPSK 3580.02MHz Outer Full



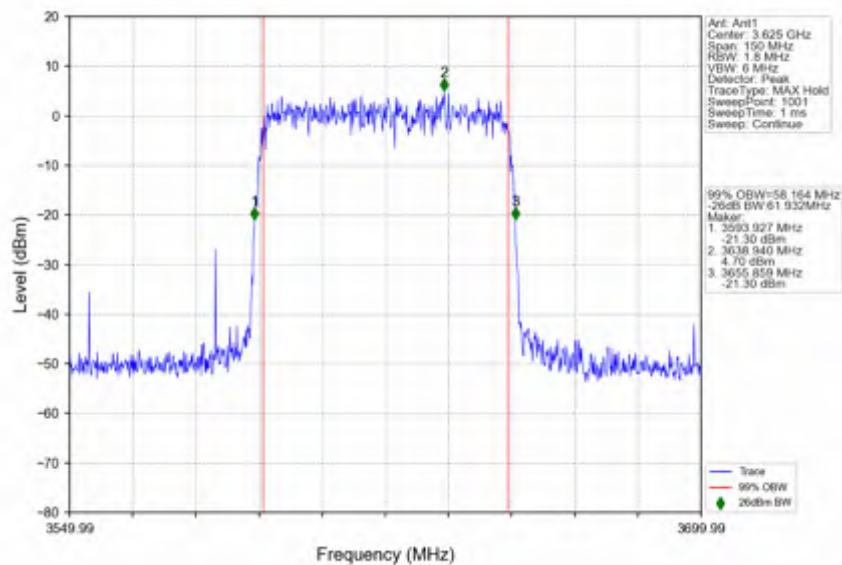
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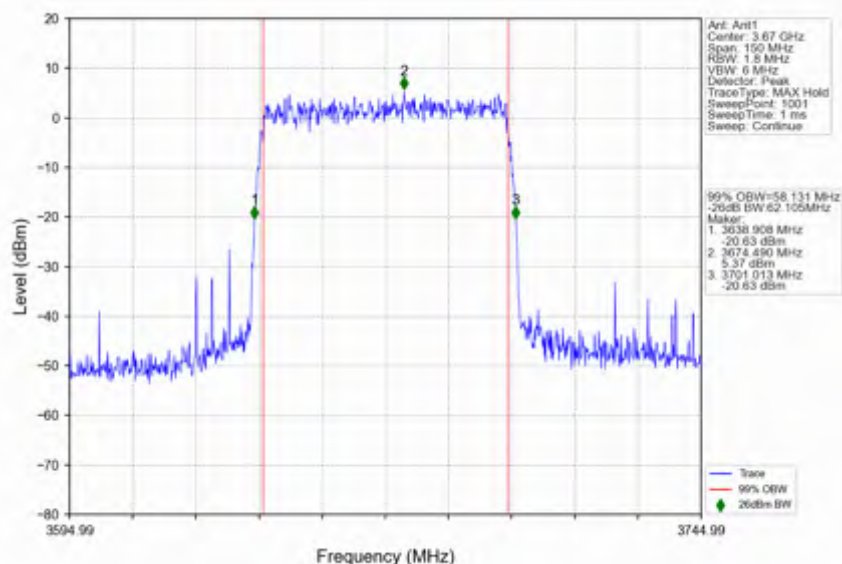
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n78d	30kHz	SISO	NTNV	60MHz	CP-OFDM	QPSK	3669.99MHz	Outer	Full
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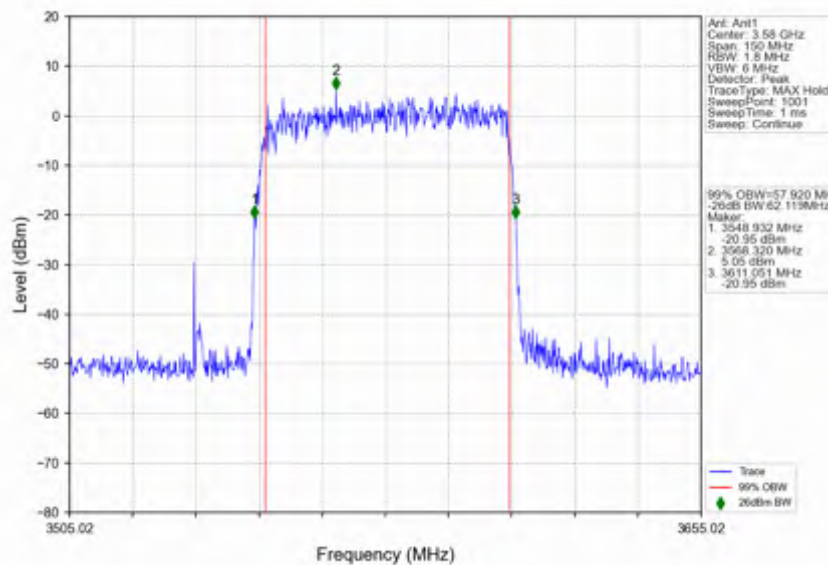


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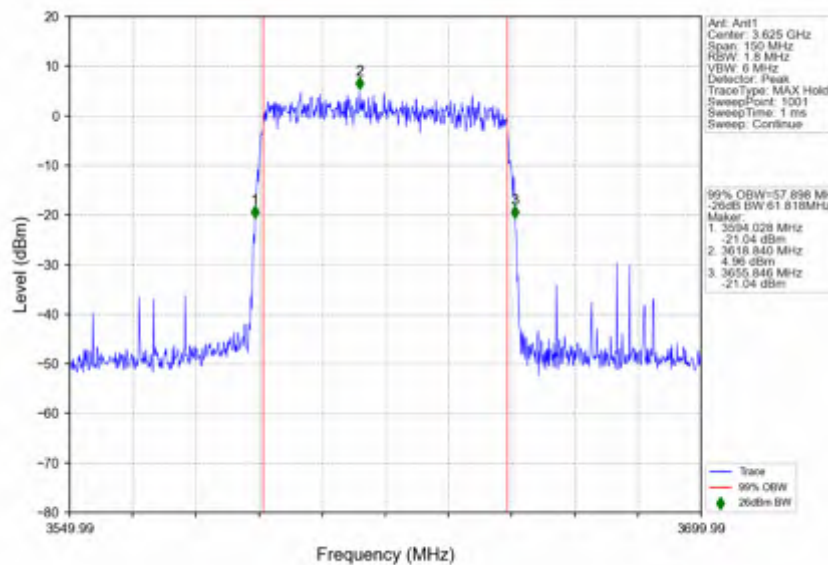
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