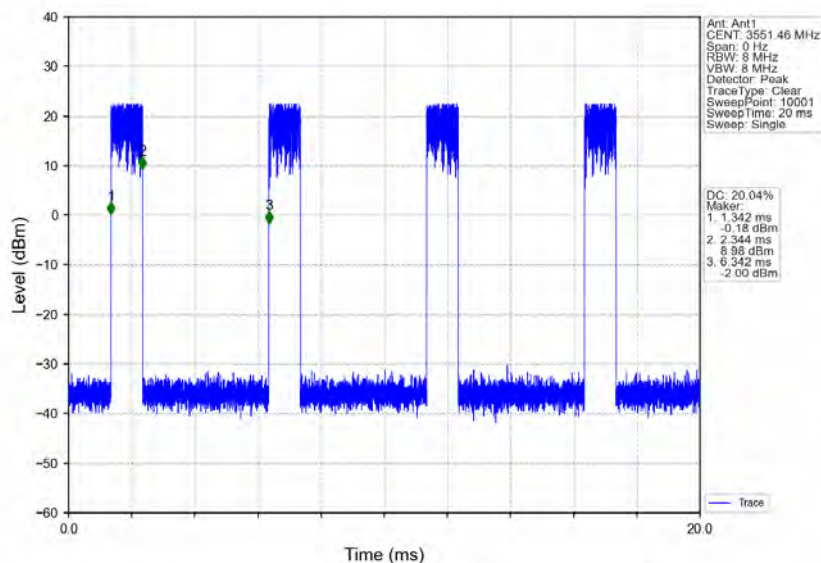
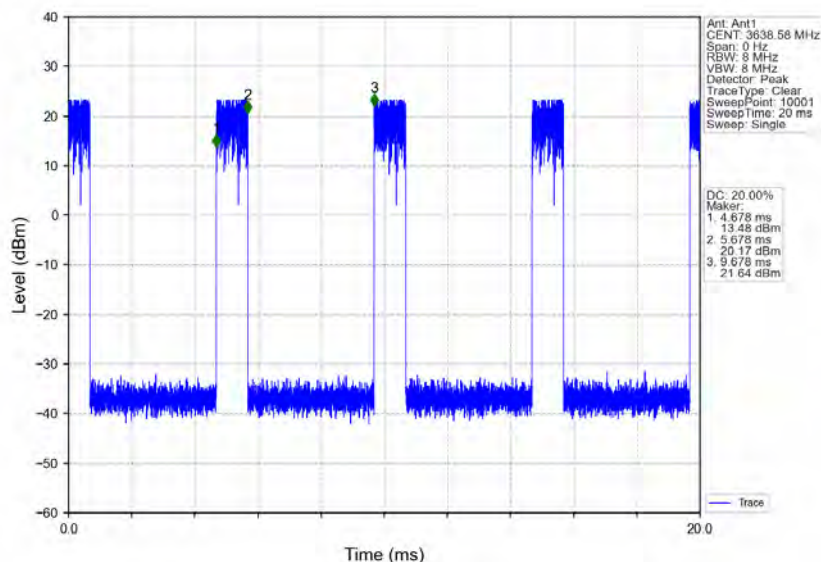


n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM_QPSK_3595.02MHz_Inner_1RB_Left



n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM_QPSK_3595.02MHz_Inner_1RB_Right



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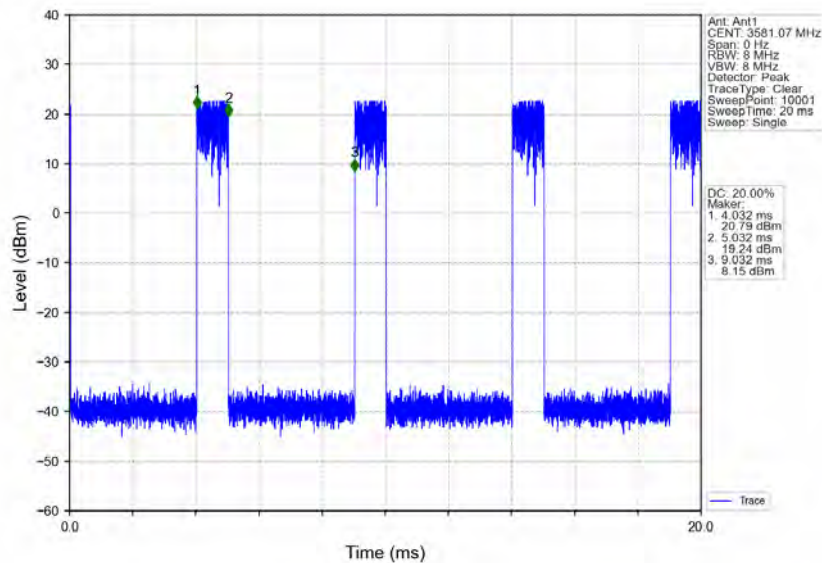
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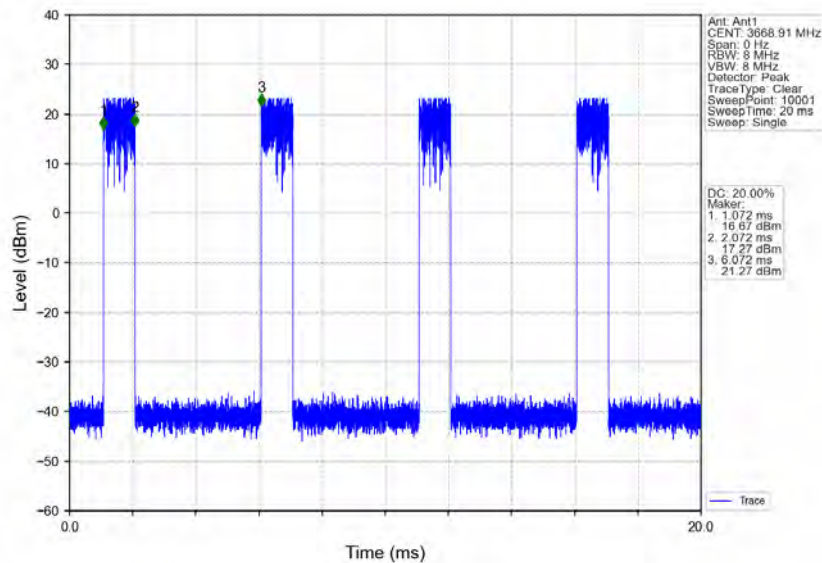
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n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM_QPSK_3624.99MHz_Edge_1RB_Left



n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM_QPSK_3624.99MHz_Edge_1RB_Right



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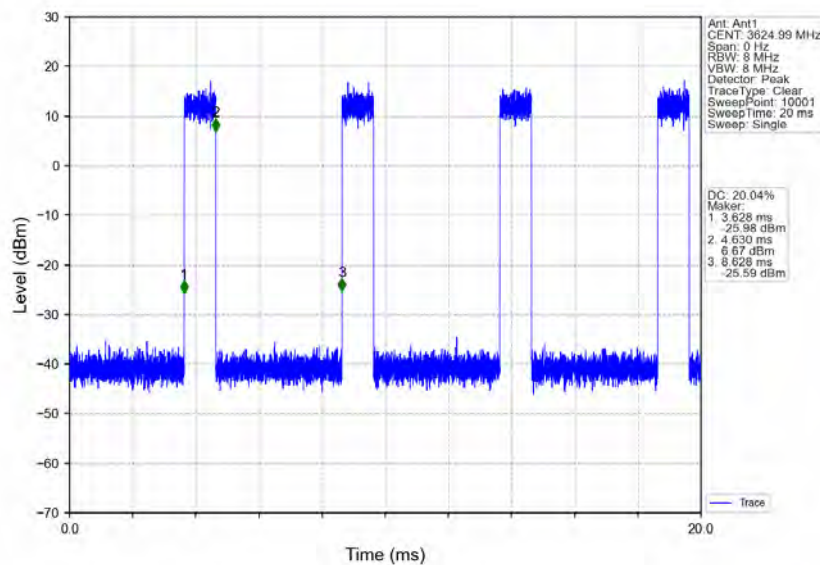
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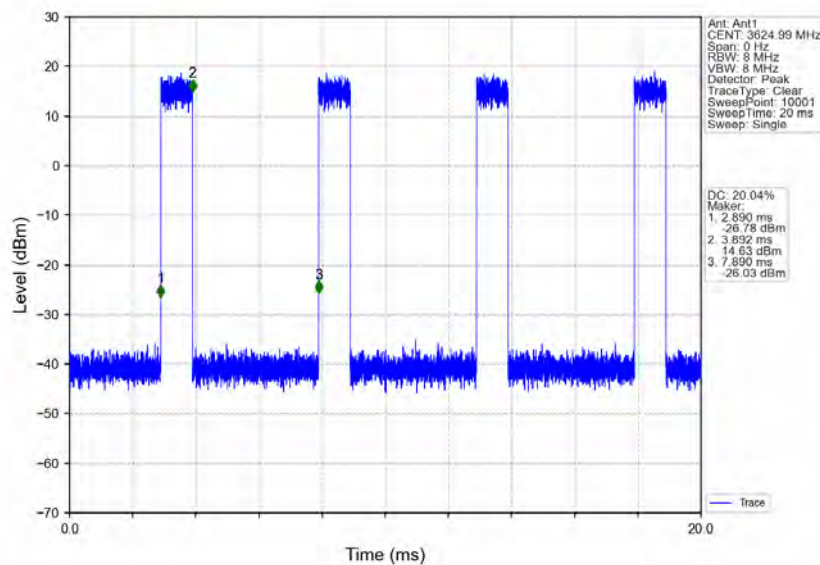
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n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM_QPSK_3624.99MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM_QPSK_3624.99MHz_Inner_Full



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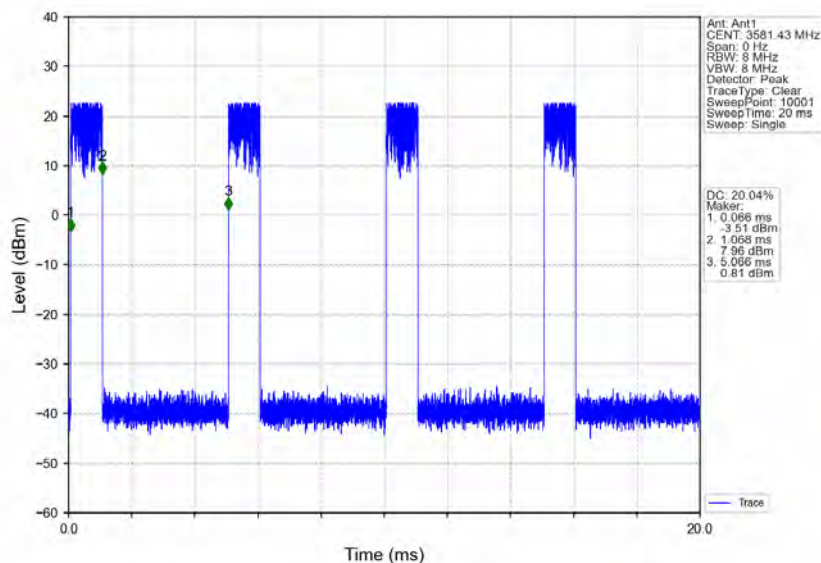
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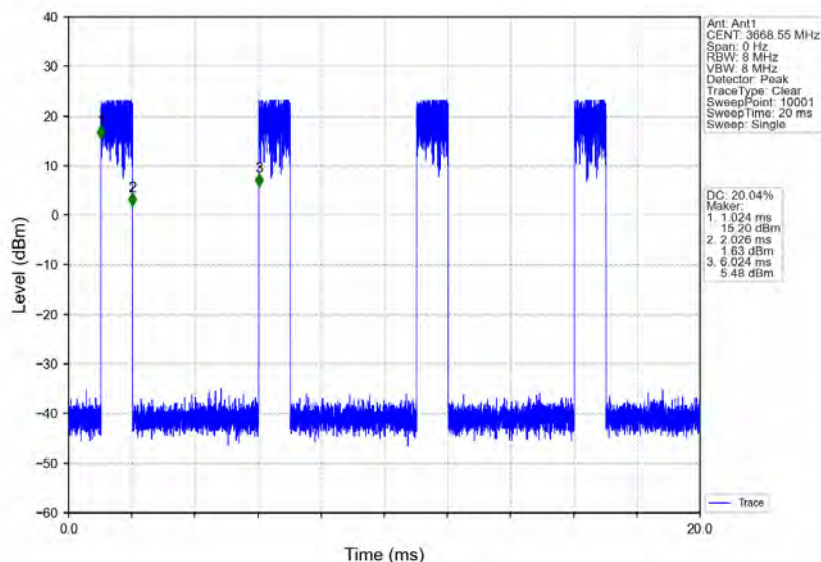
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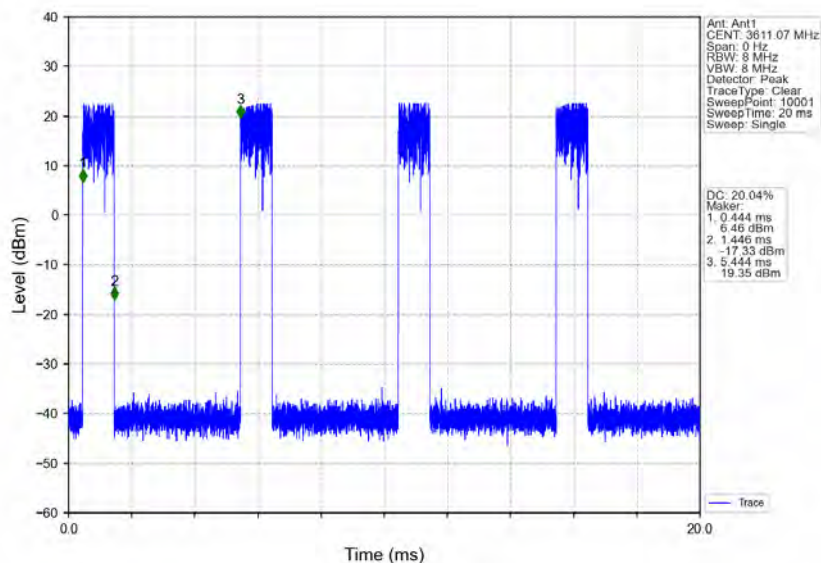
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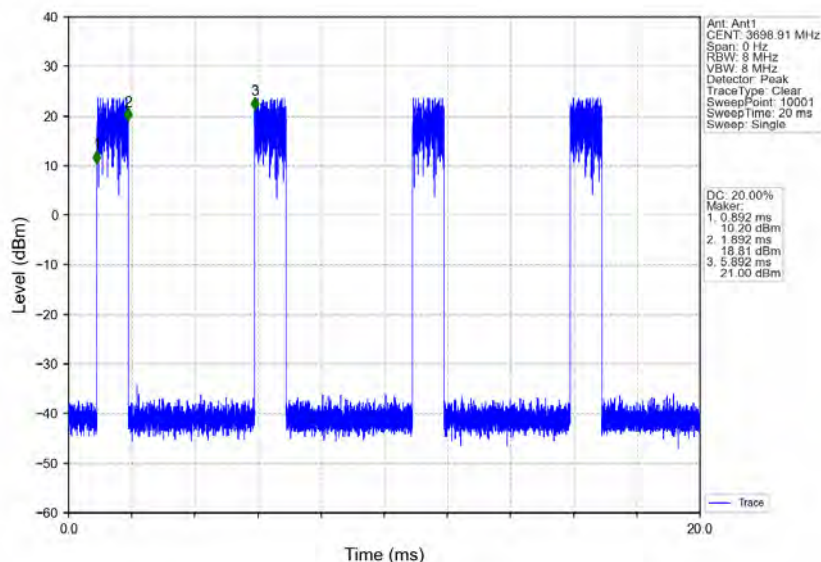
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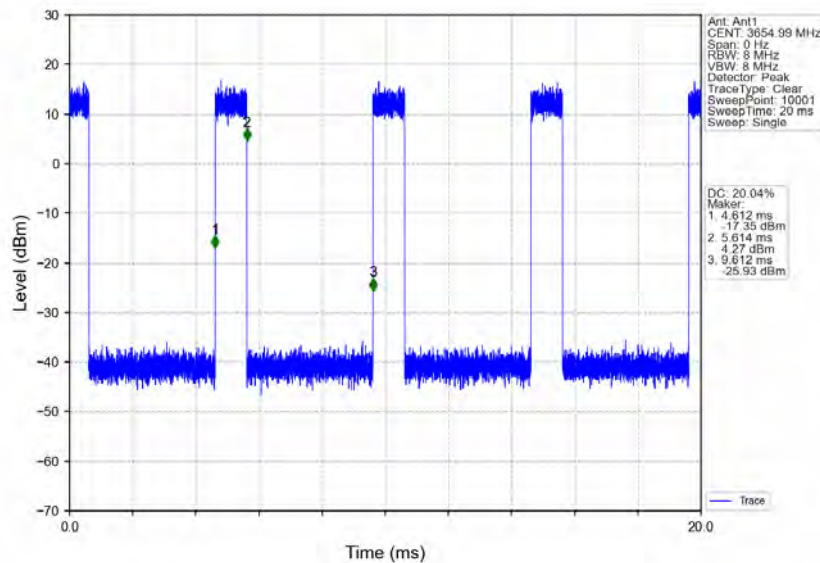
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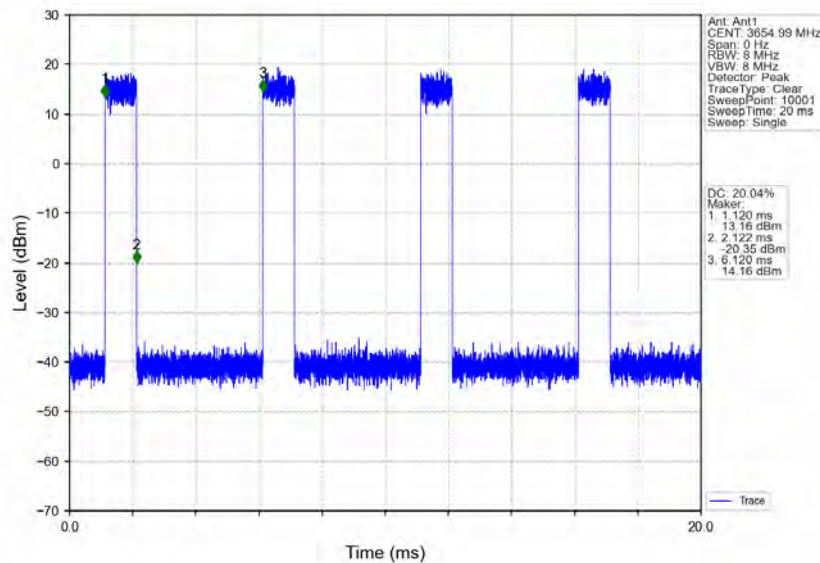
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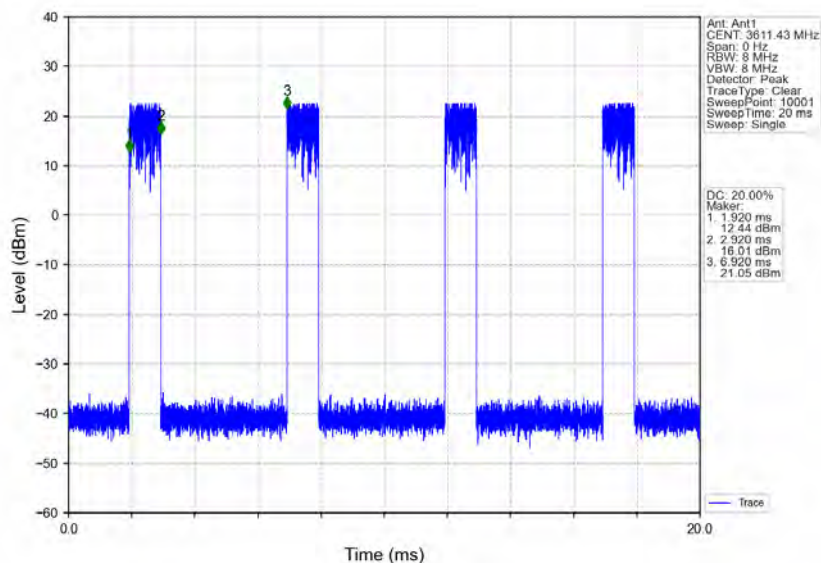
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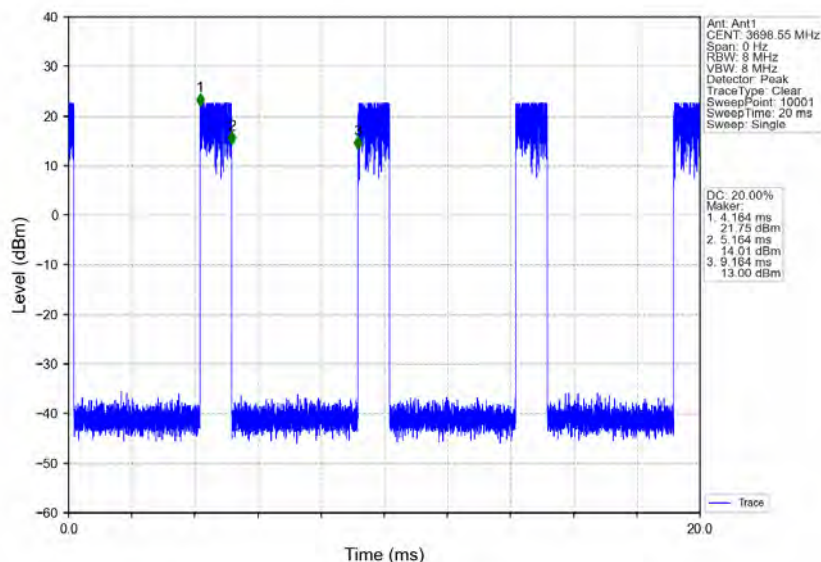
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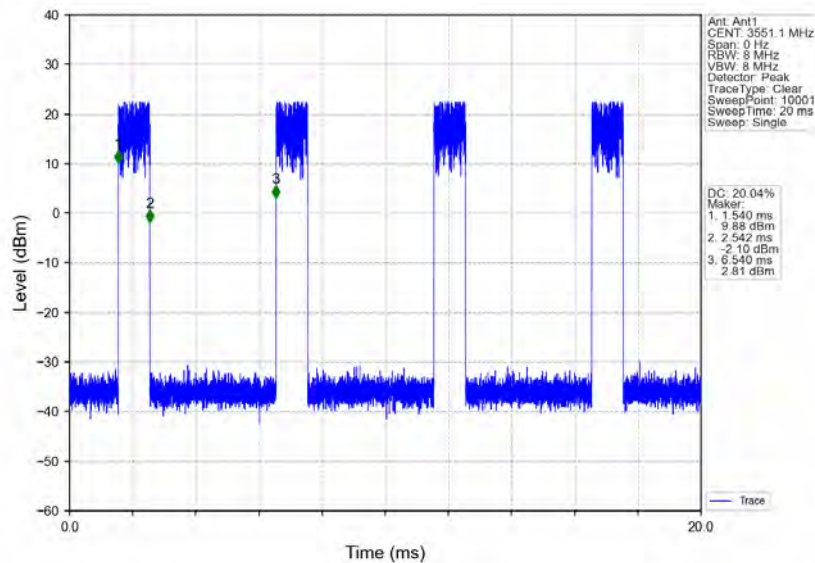
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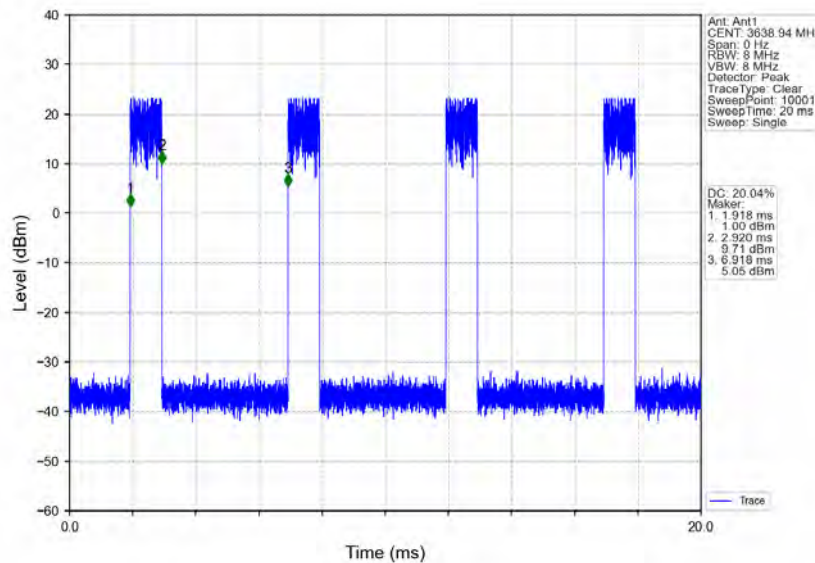
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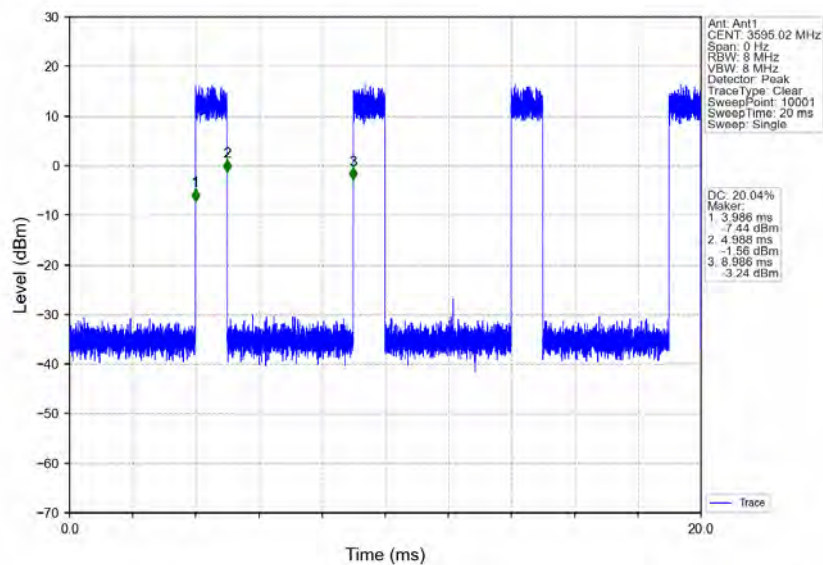
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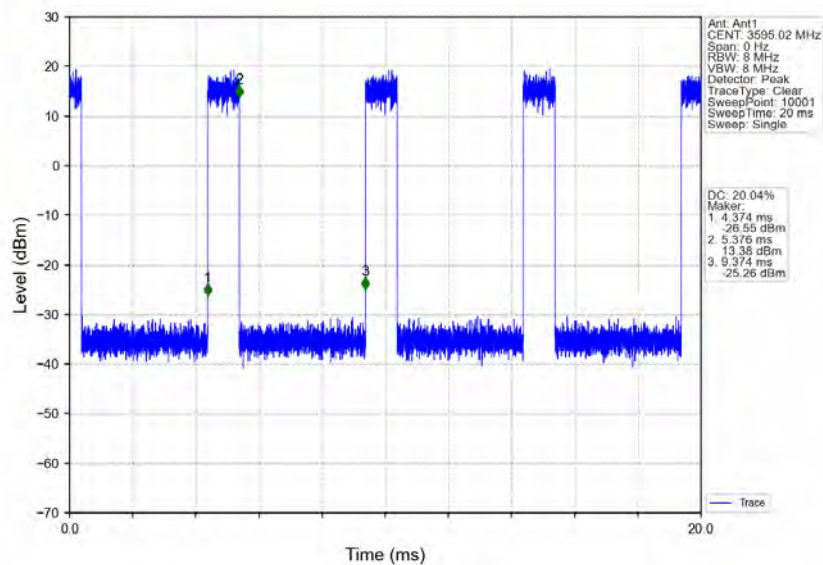
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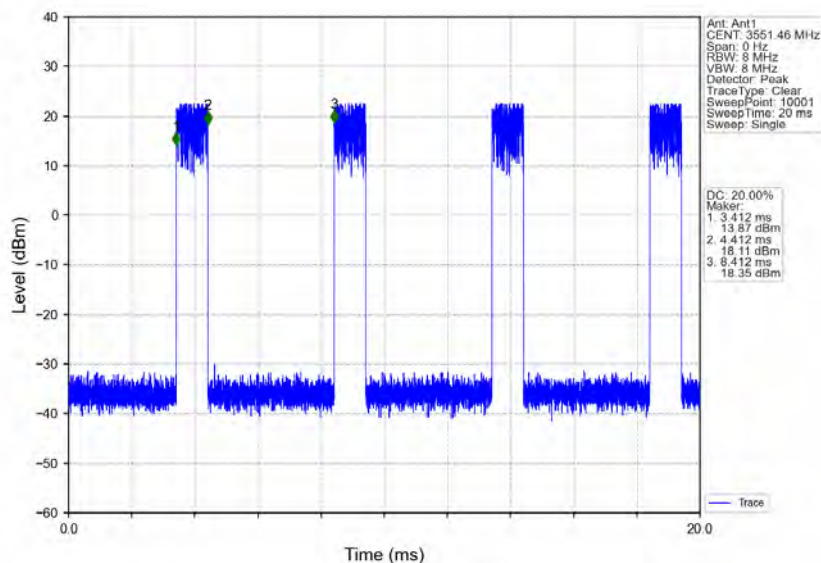
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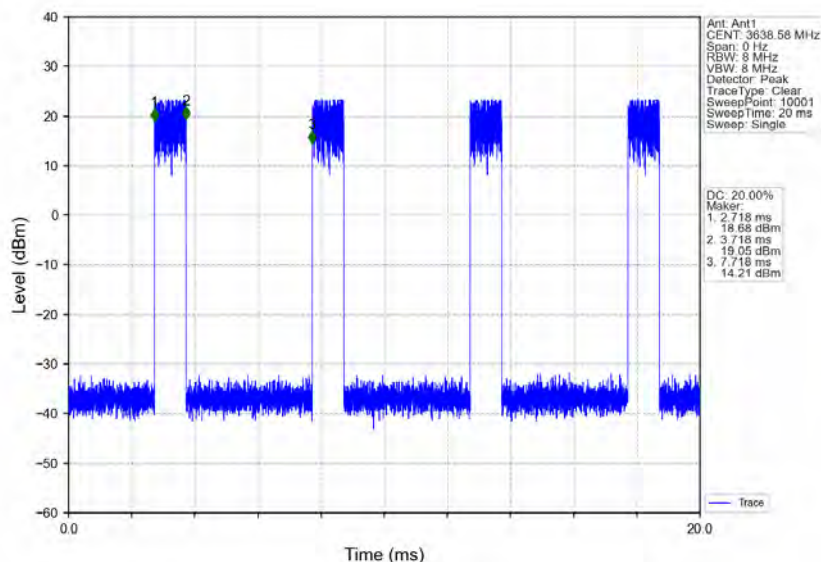
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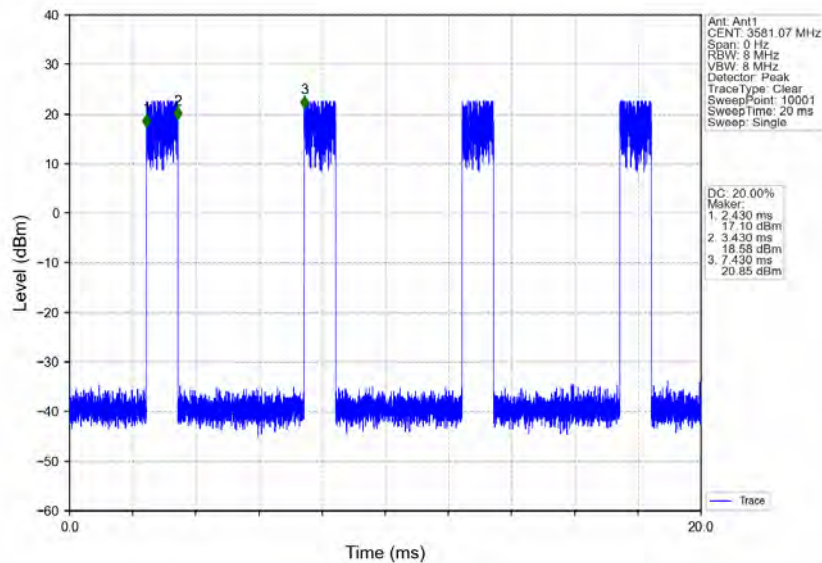
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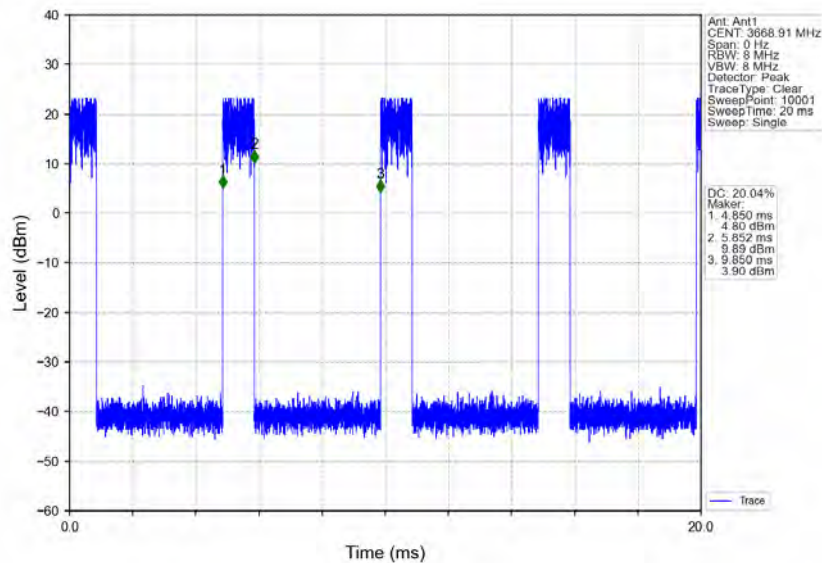
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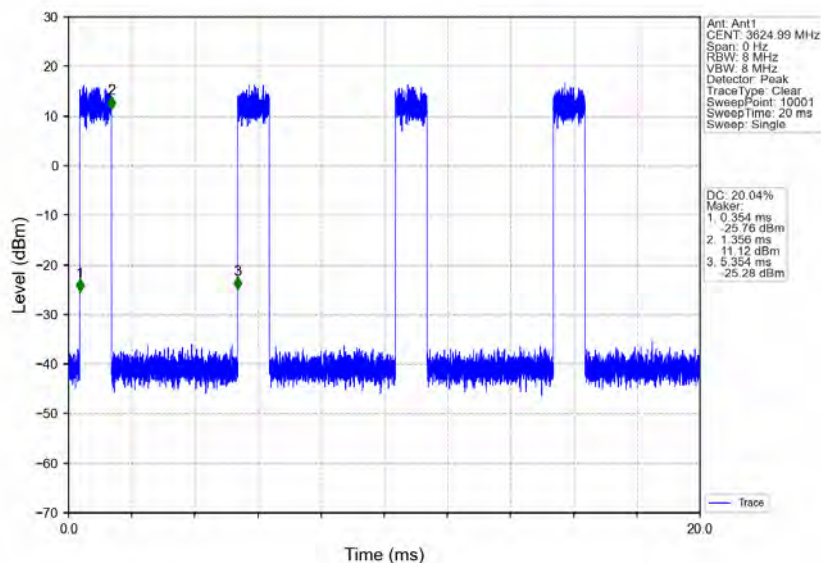
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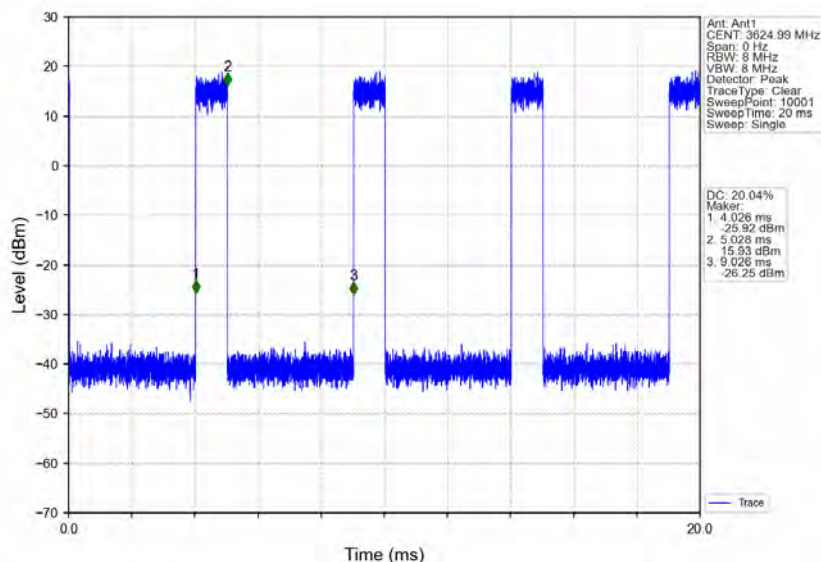
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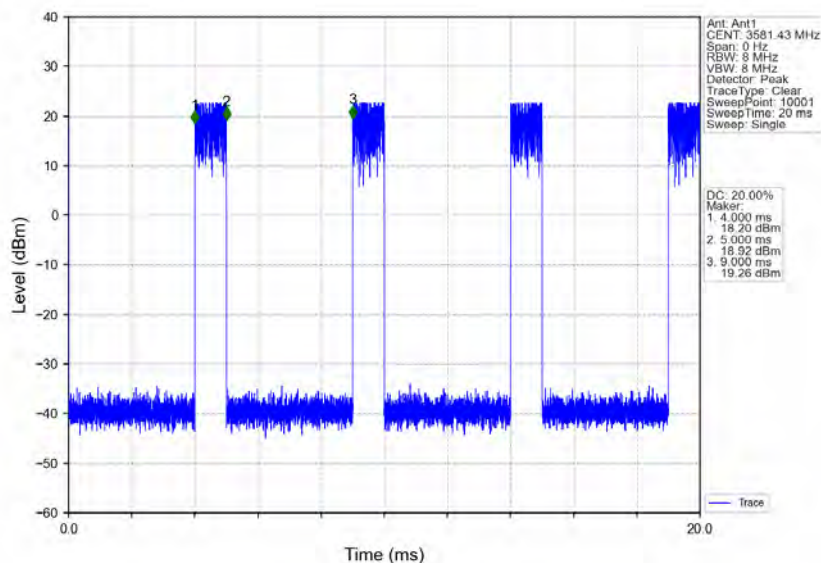
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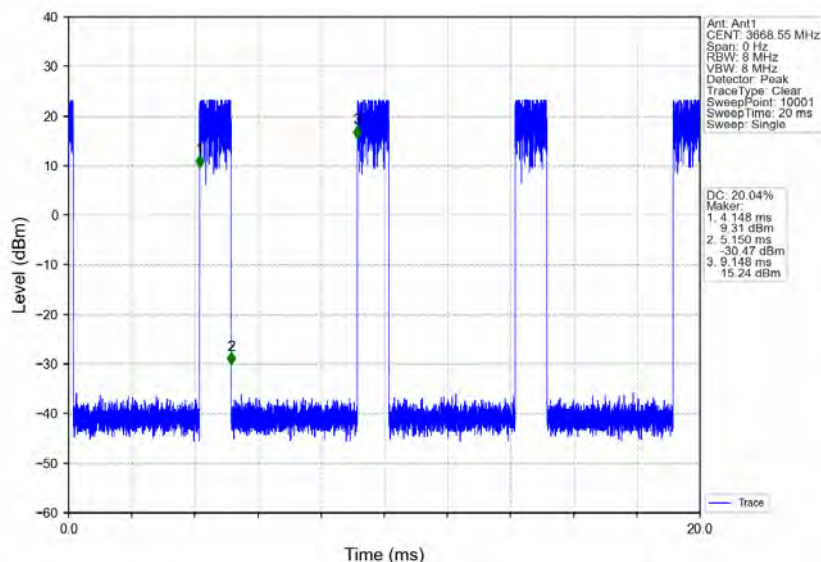
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n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM 16 QAM_3624.99MHz_Inner_1RB_Left



n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM 16 QAM_3624.99MHz_Inner_1RB_Right



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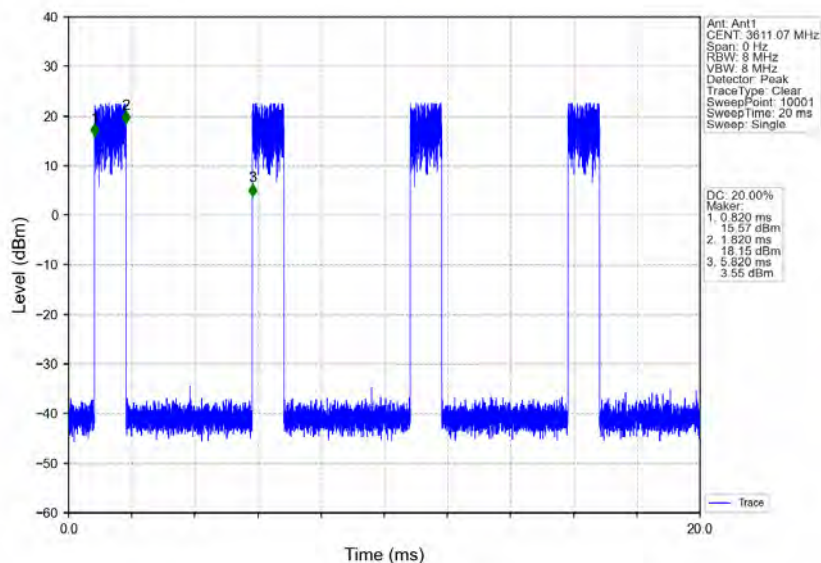
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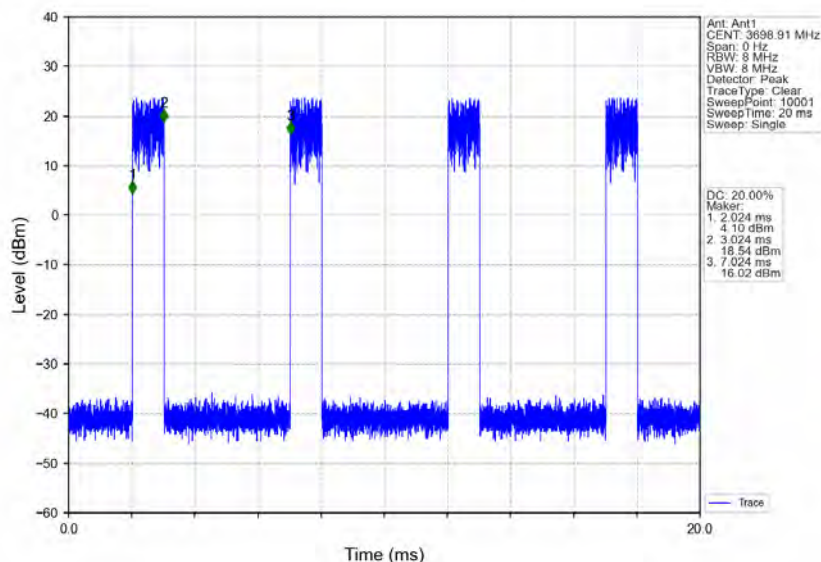
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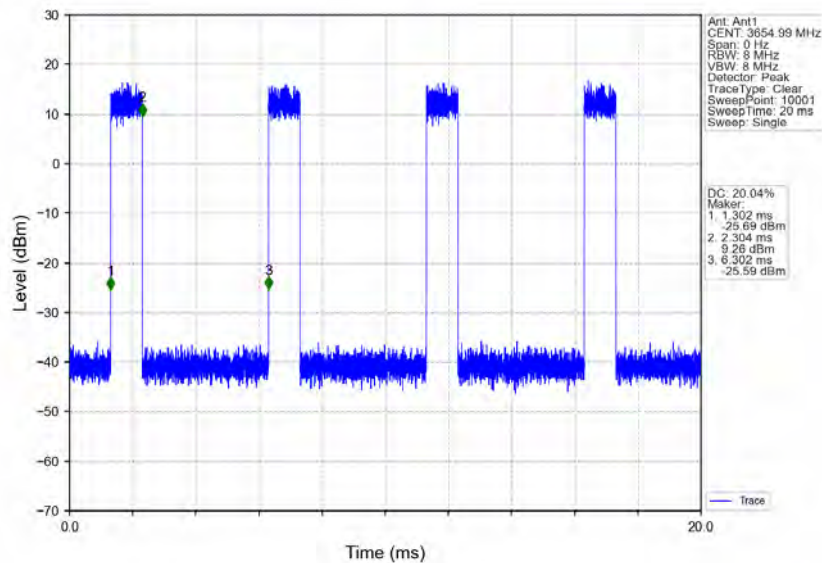
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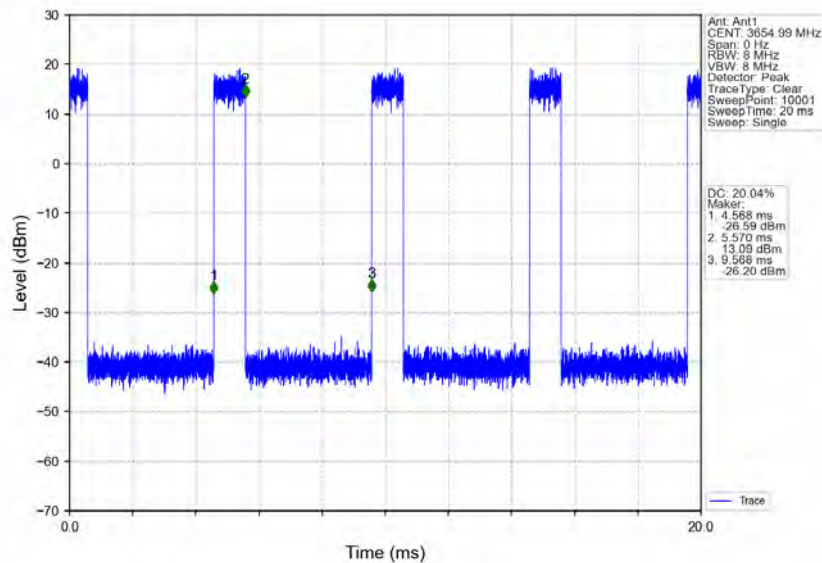
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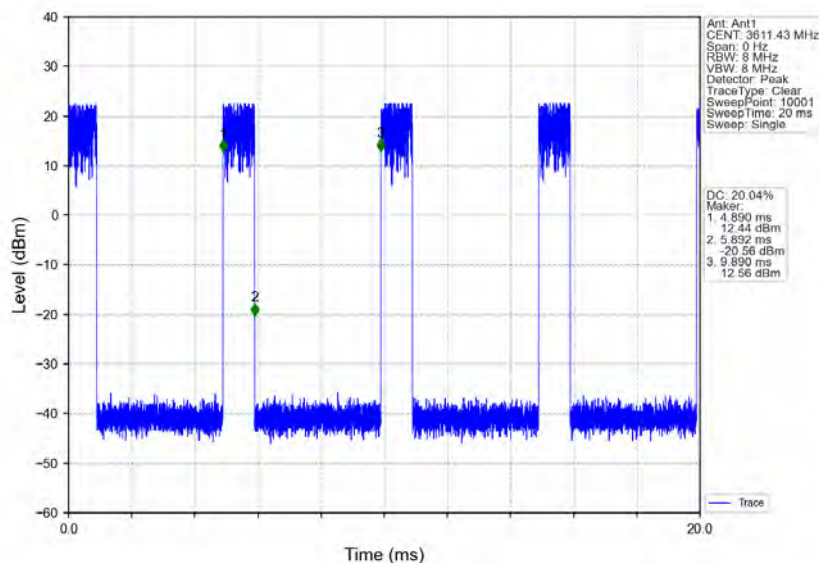
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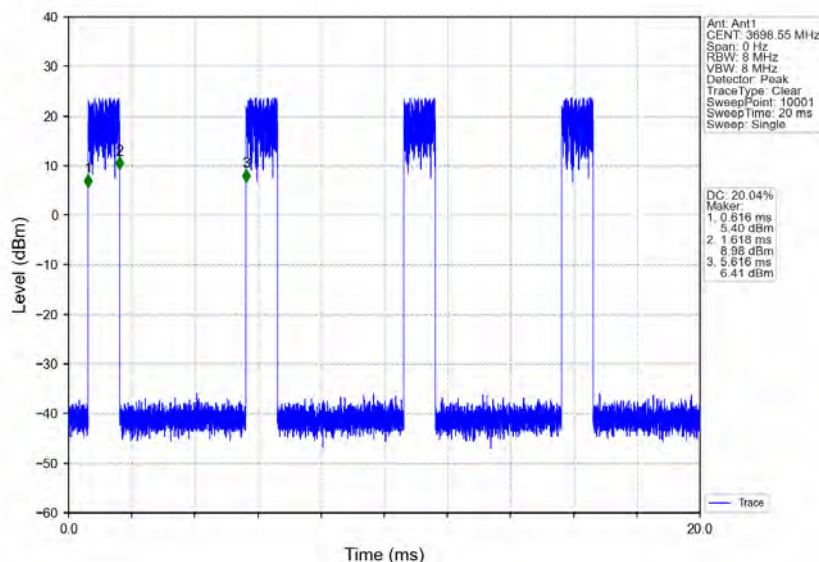
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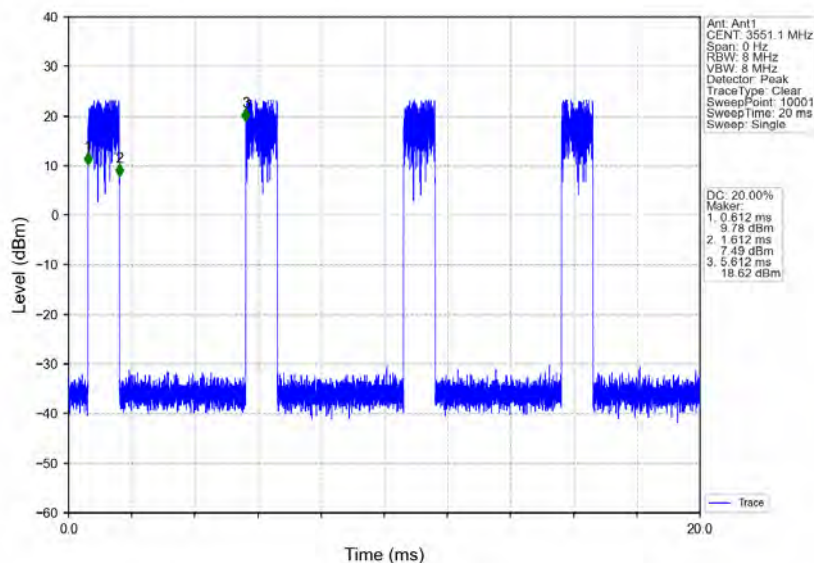
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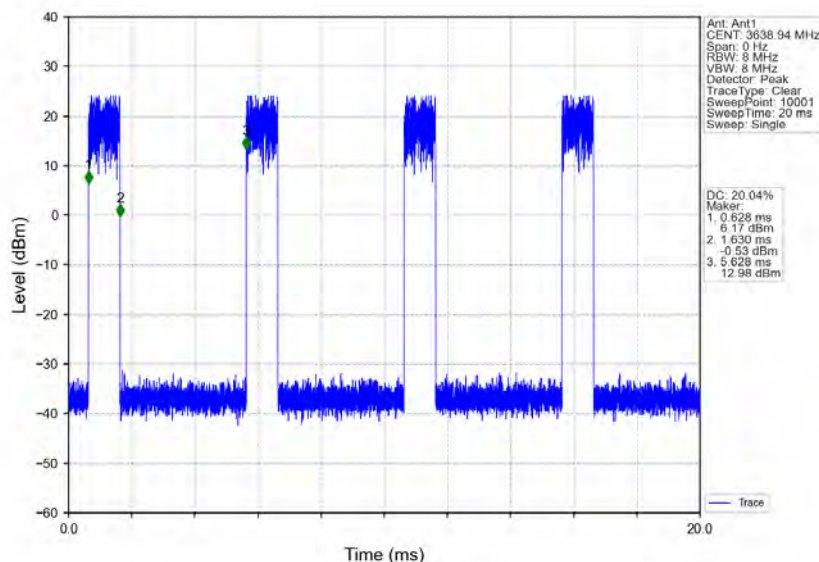
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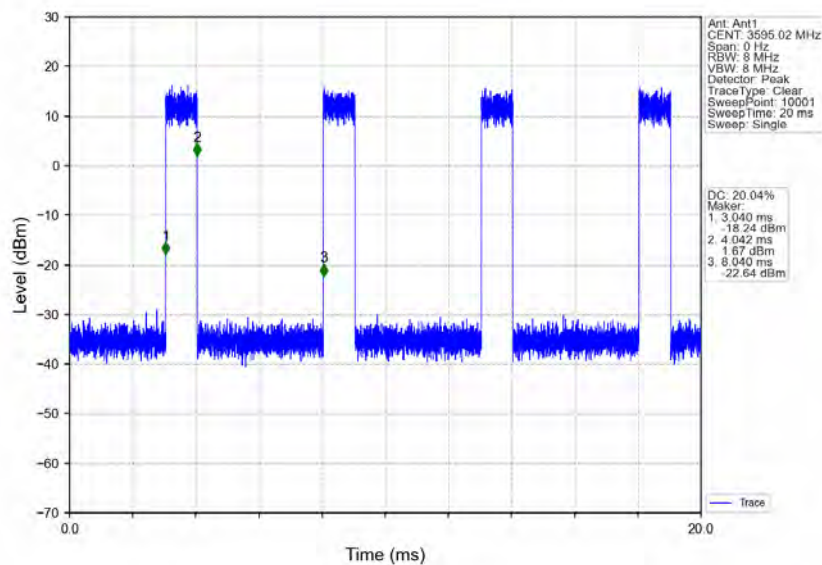
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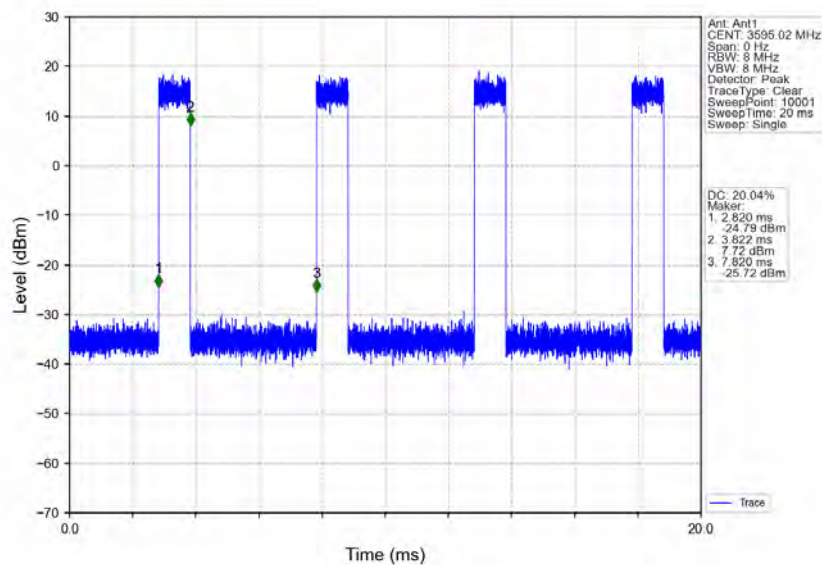
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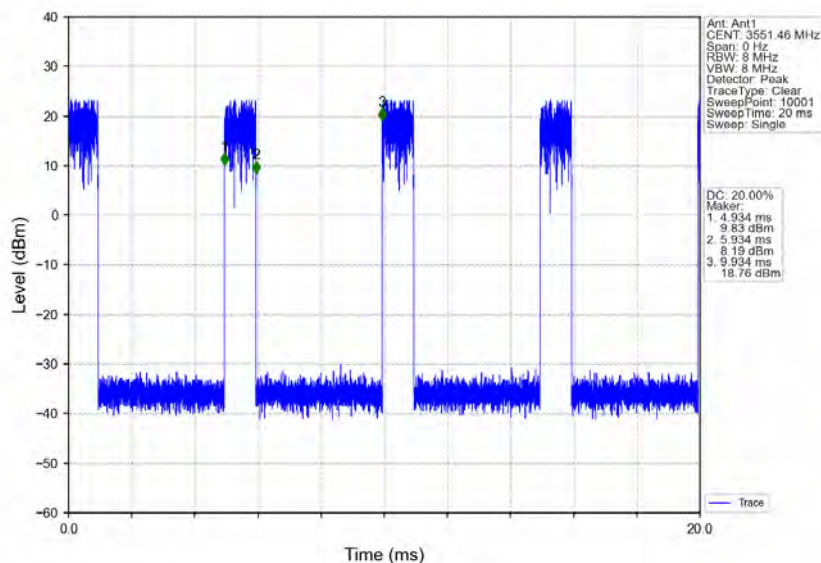
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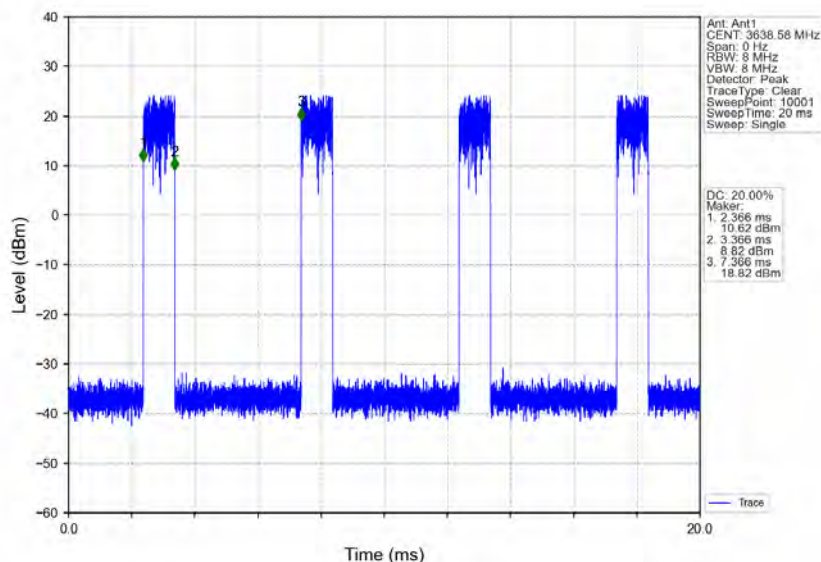
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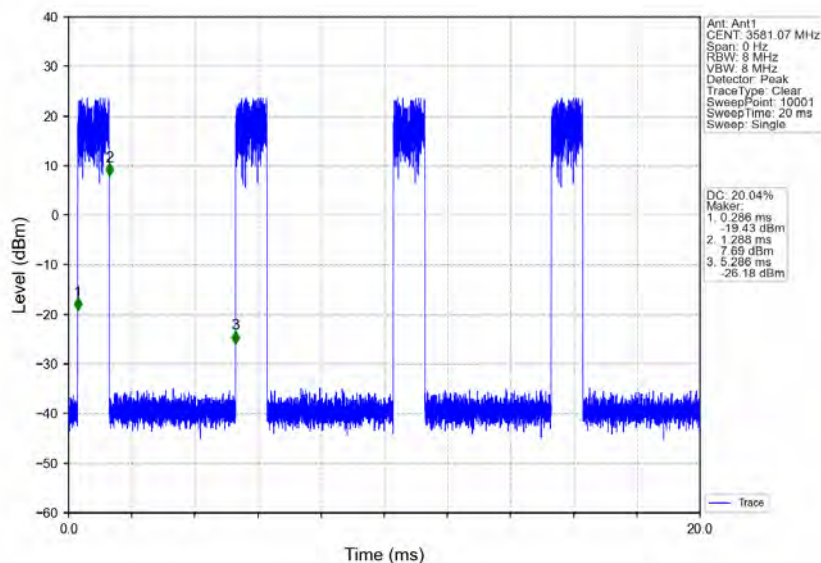
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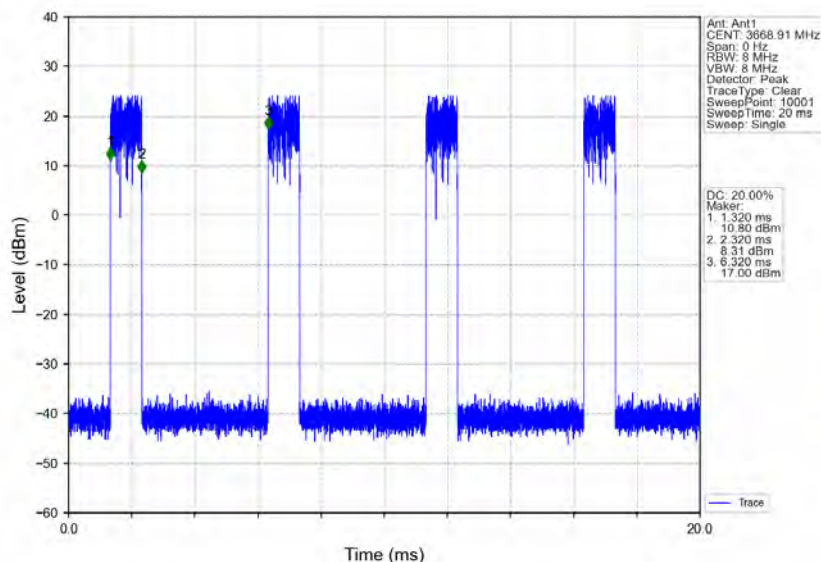
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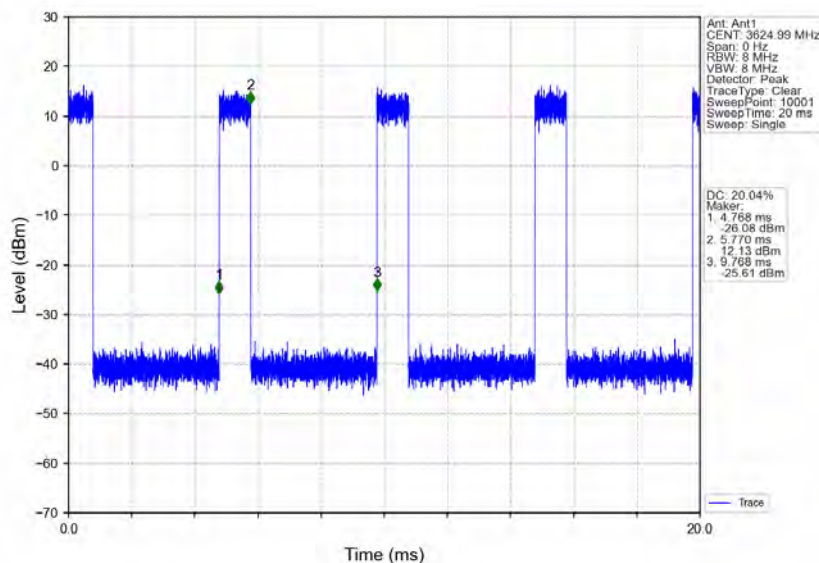
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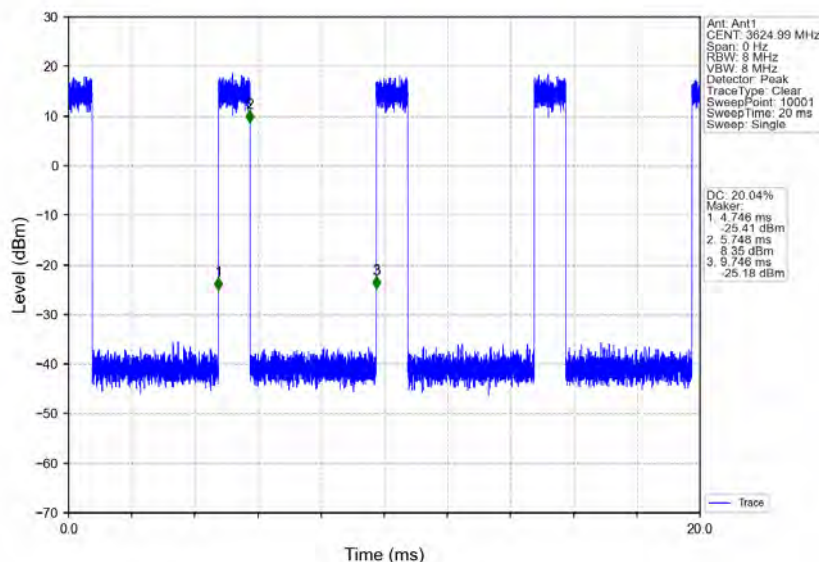
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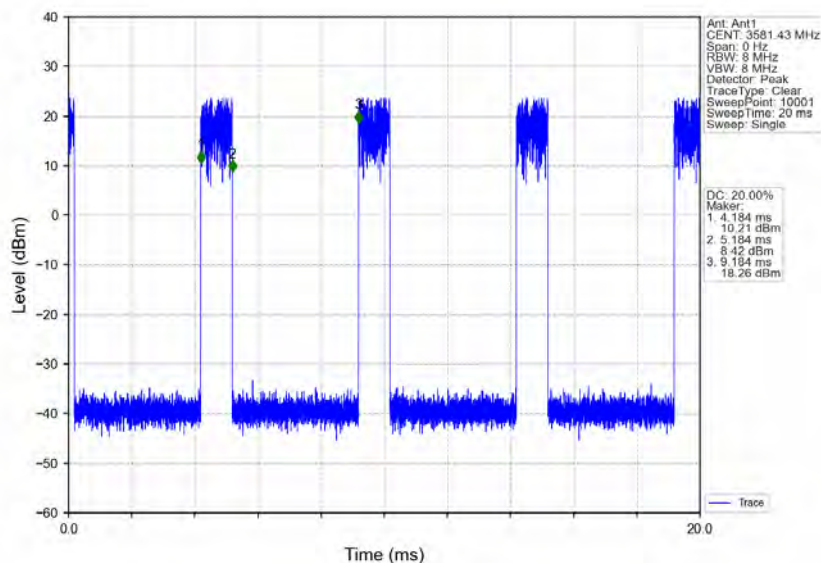
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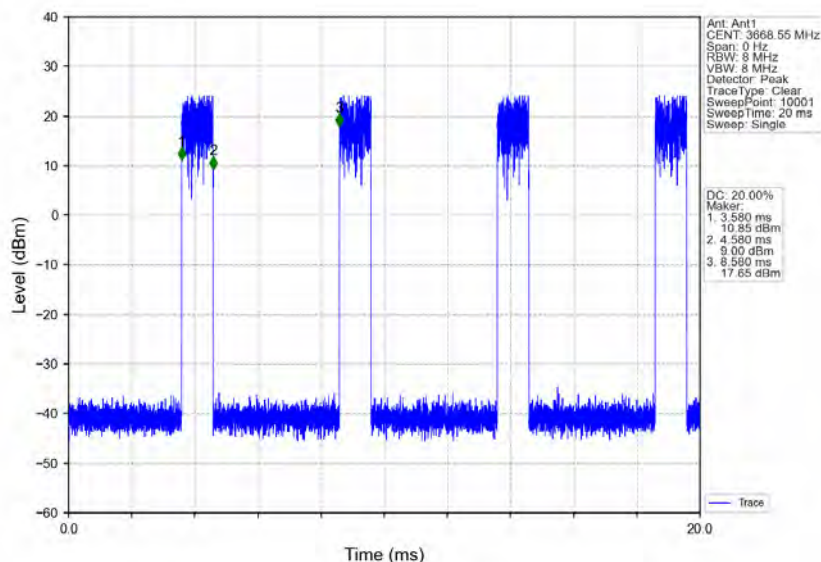
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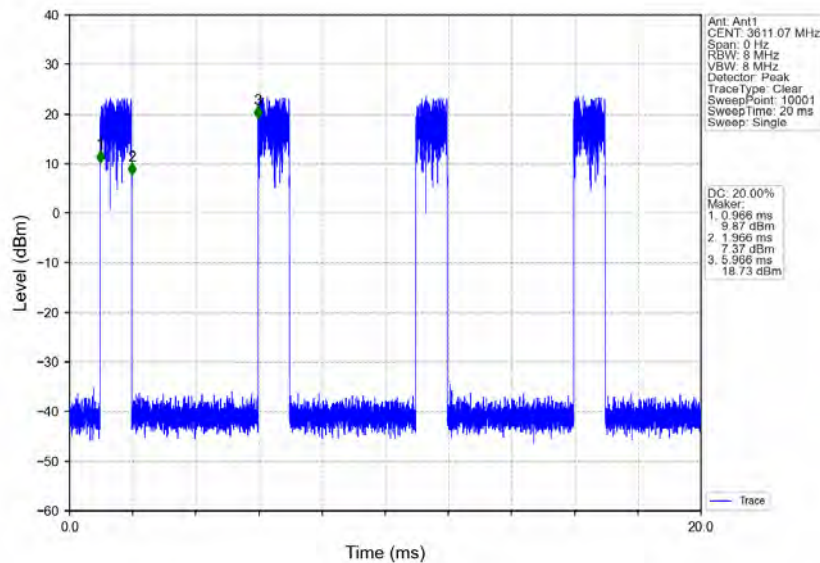
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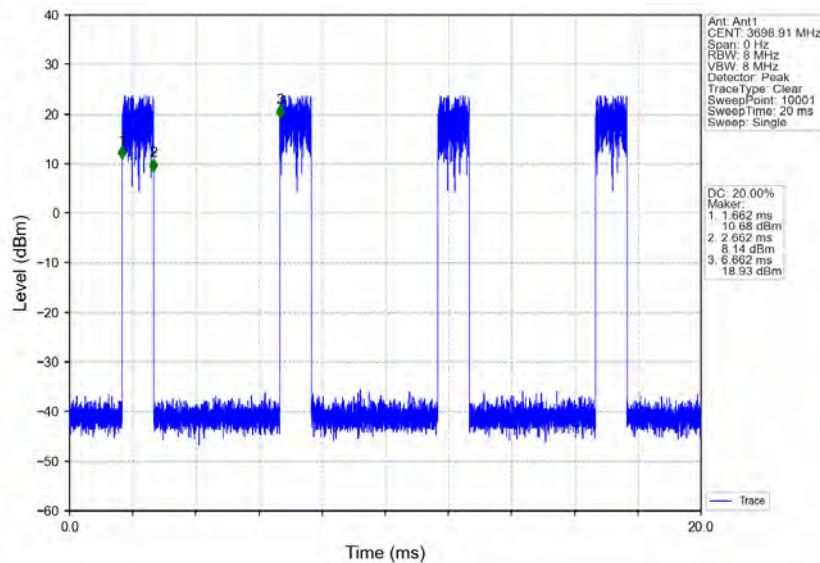
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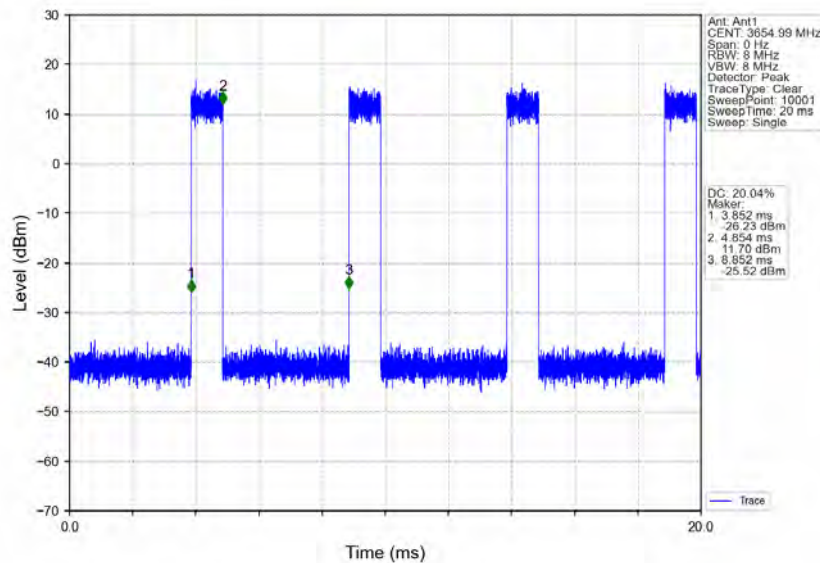
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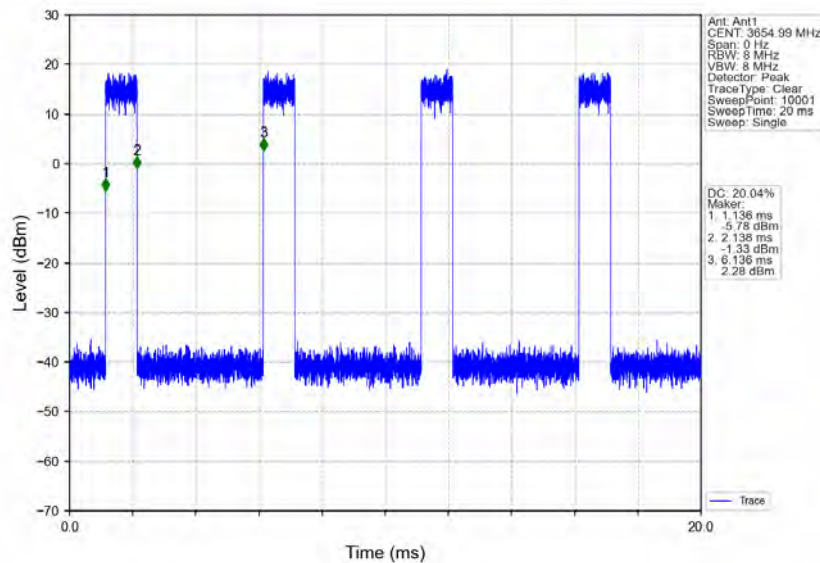
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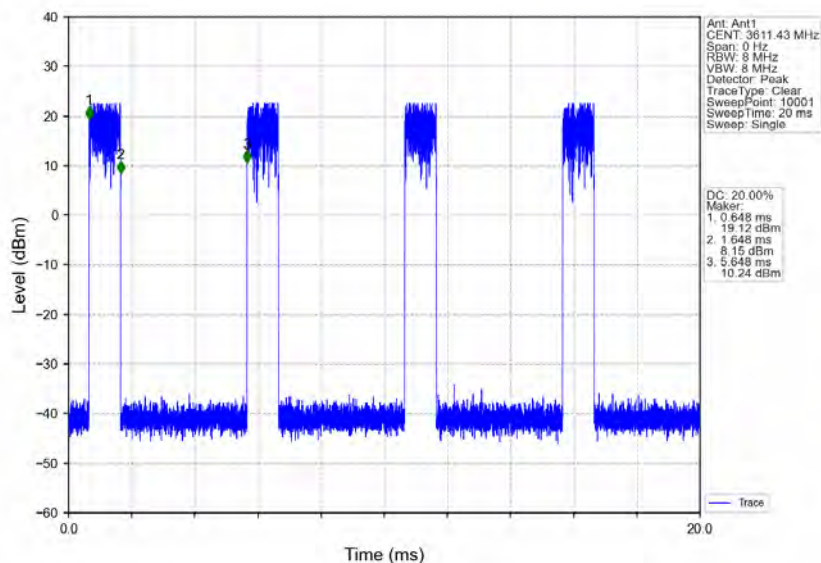
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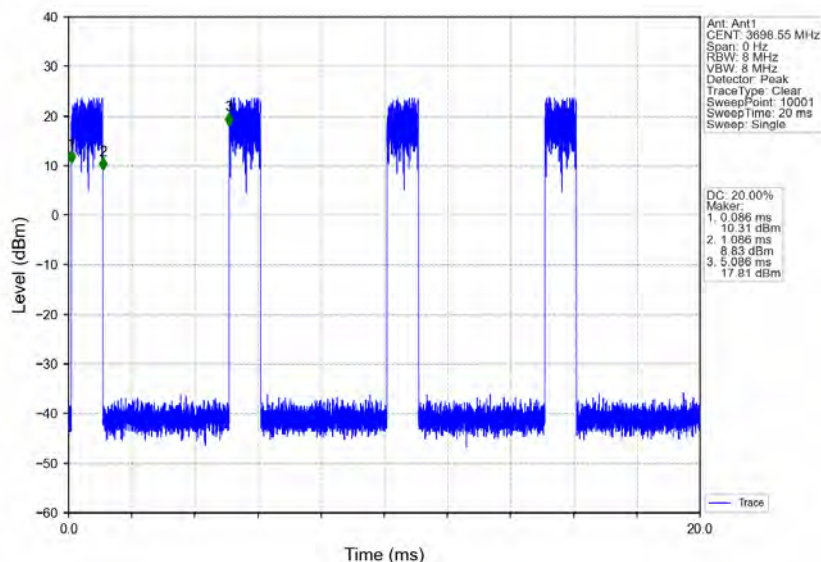
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n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM 64 QAM_3654.99MHz_Inner_1RB_Left



n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM 64 QAM_3654.99MHz_Inner_1RB_Right



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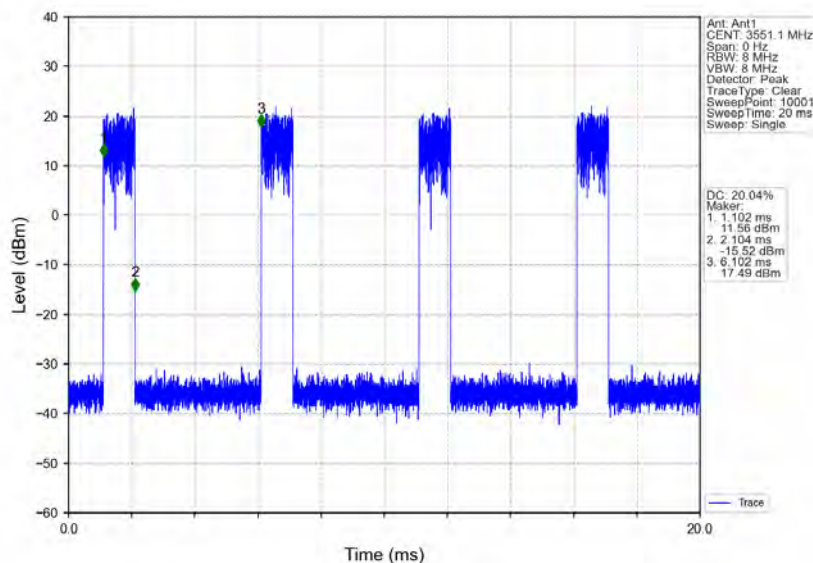
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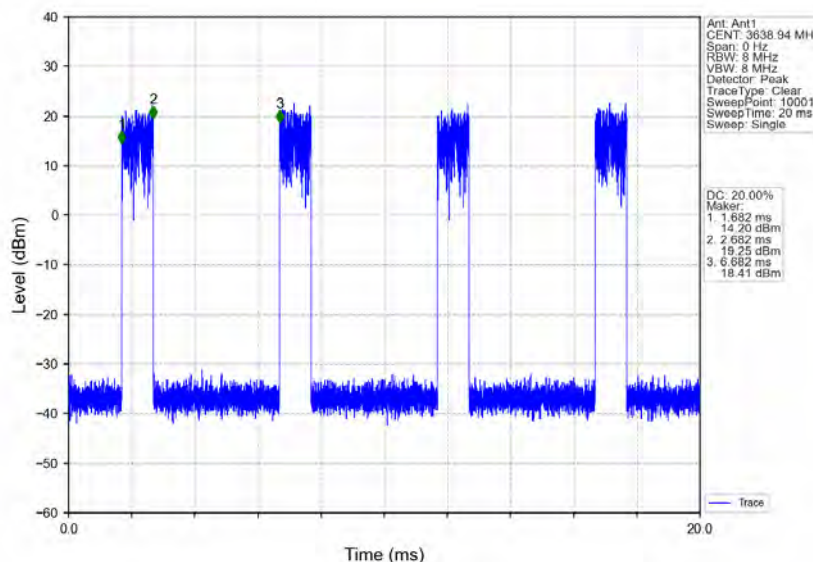
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n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM_256_QAM_3595.02MHz_Edge_1RB_Right



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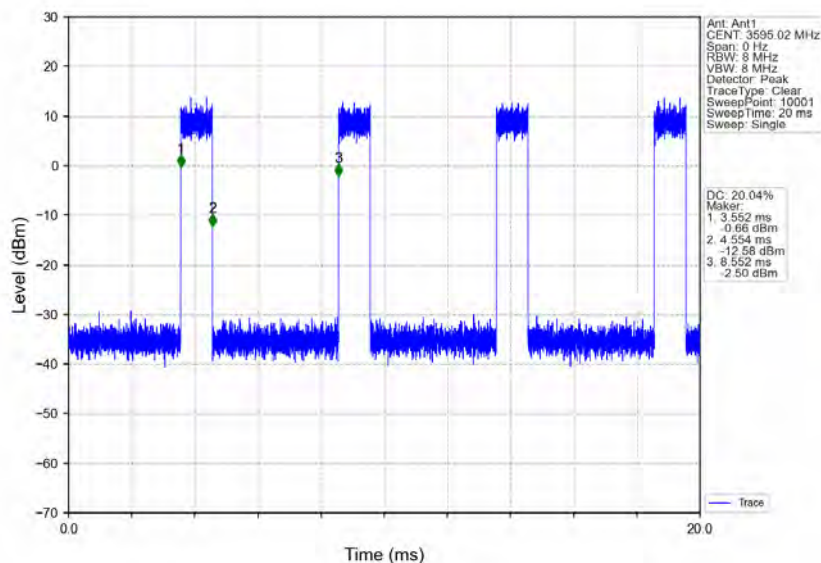
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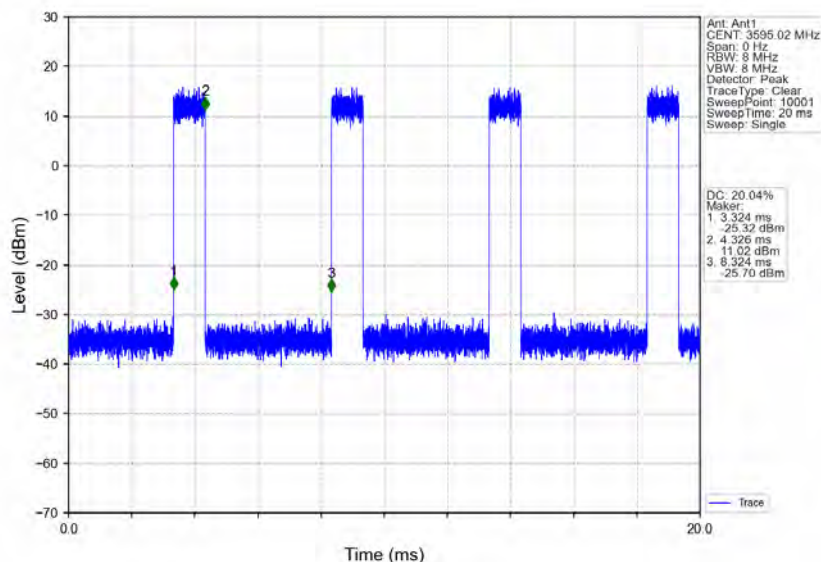
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n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM_256_QAM_3595.02MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM_256_QAM_3595.02MHz_Inner_Full



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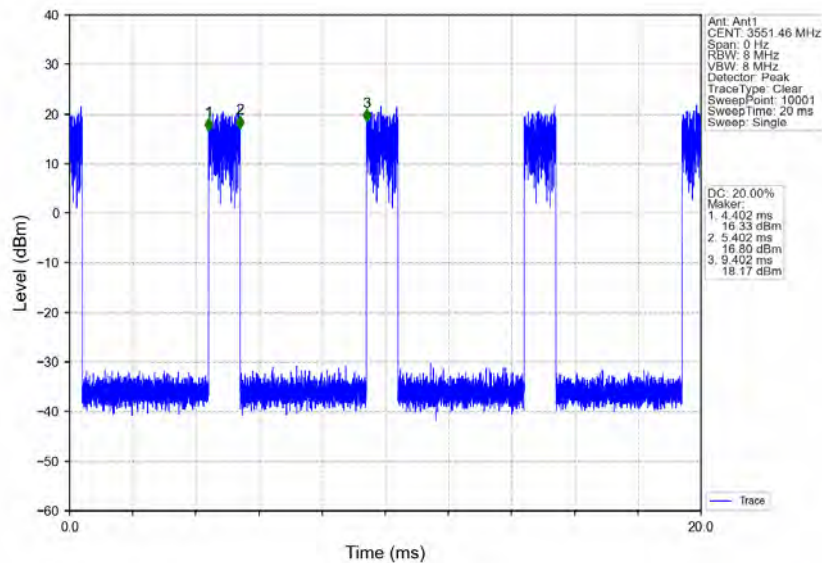
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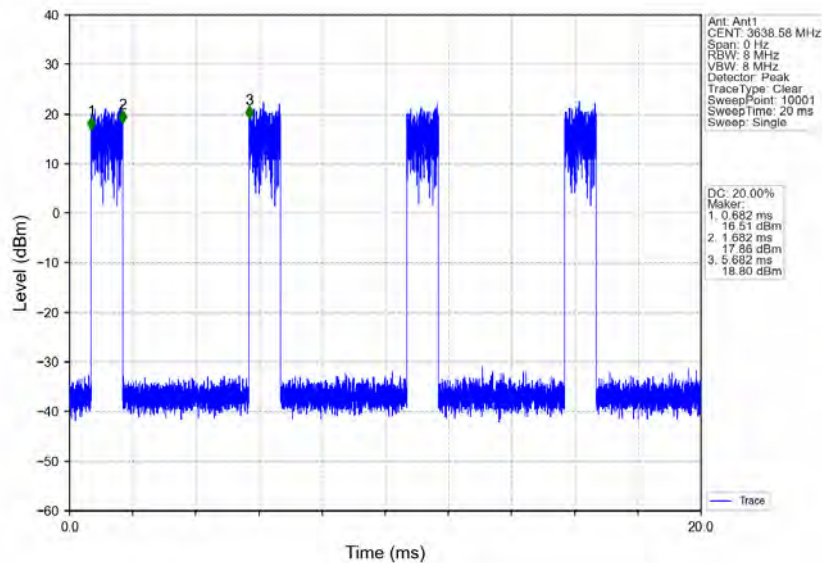
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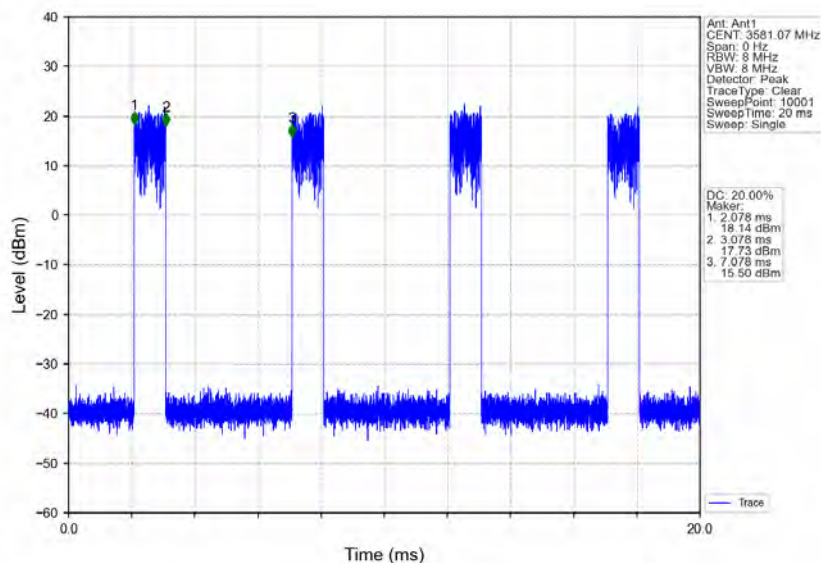
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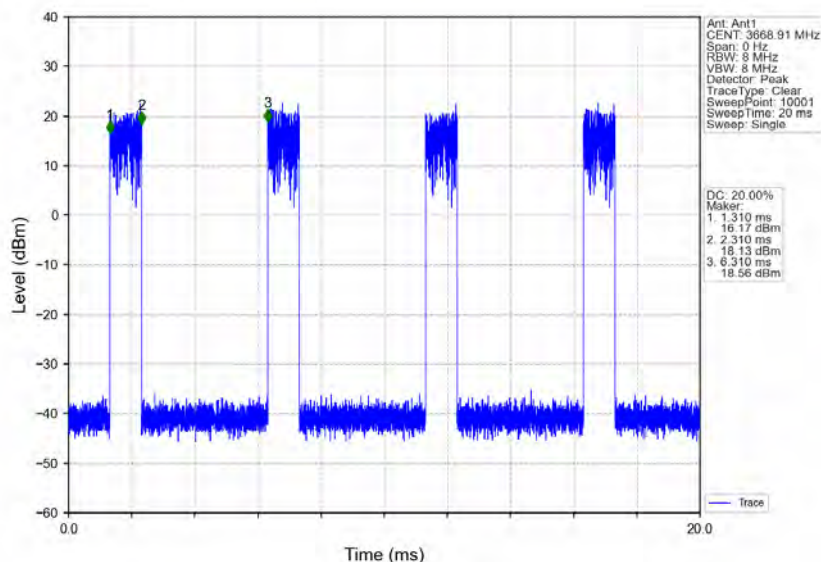
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n78d_30kHz_MIMO_NTNV_90MHz_CP-OFDM_256_QAM_3624.99MHz_Edge_1RB_Left



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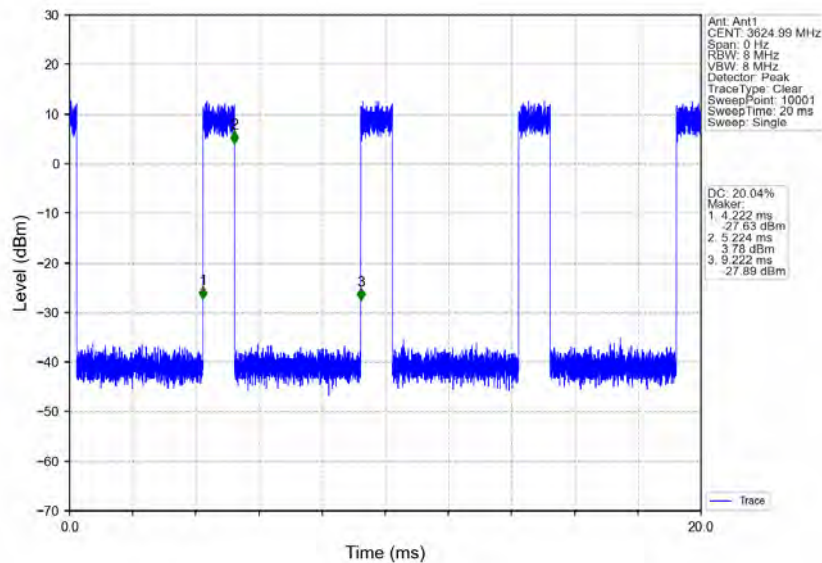
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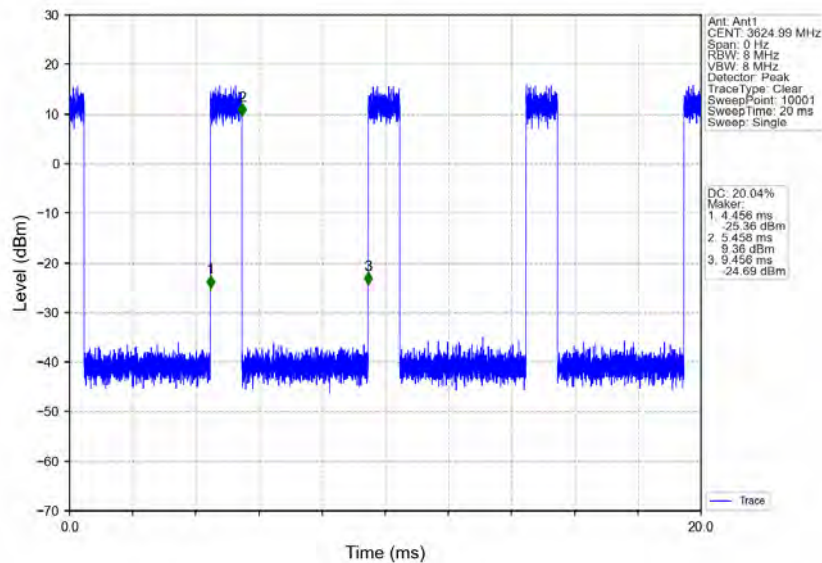
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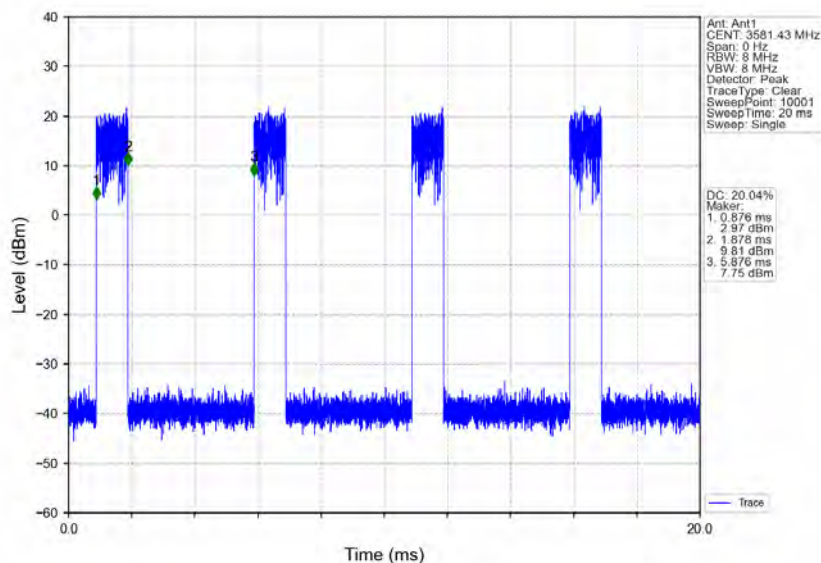
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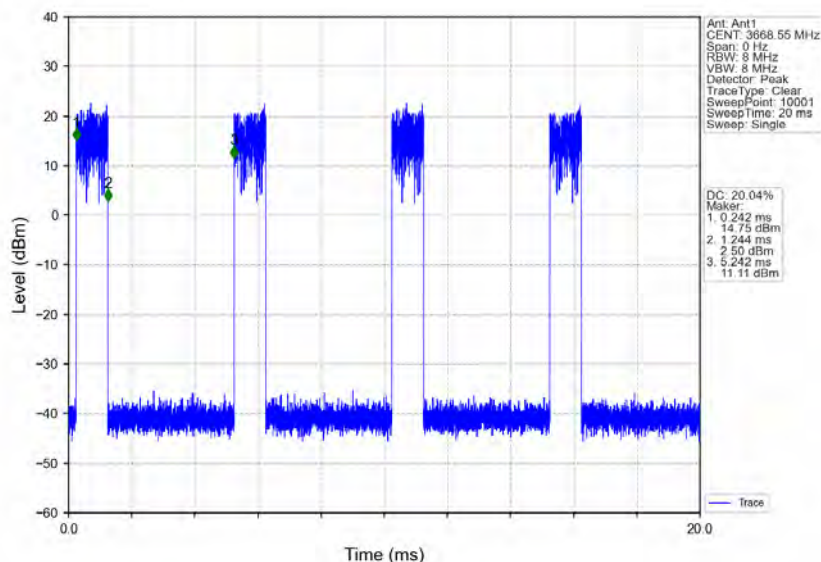
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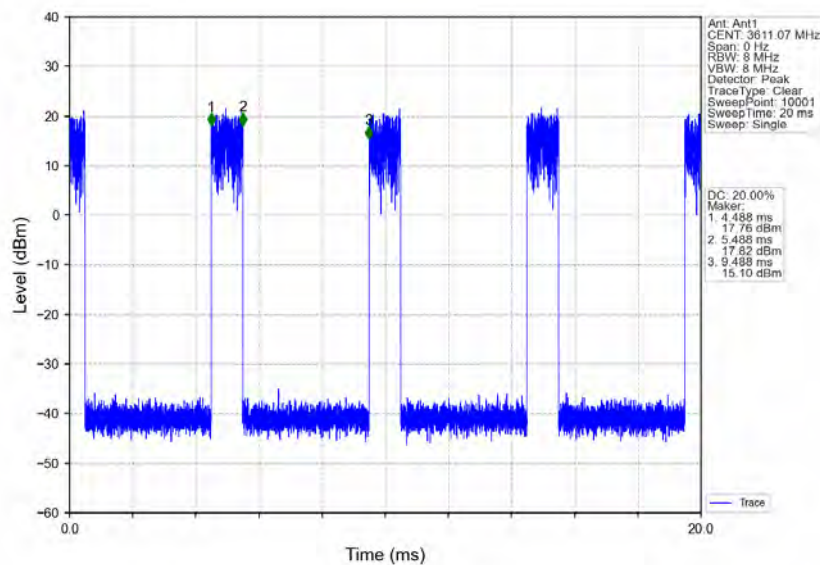
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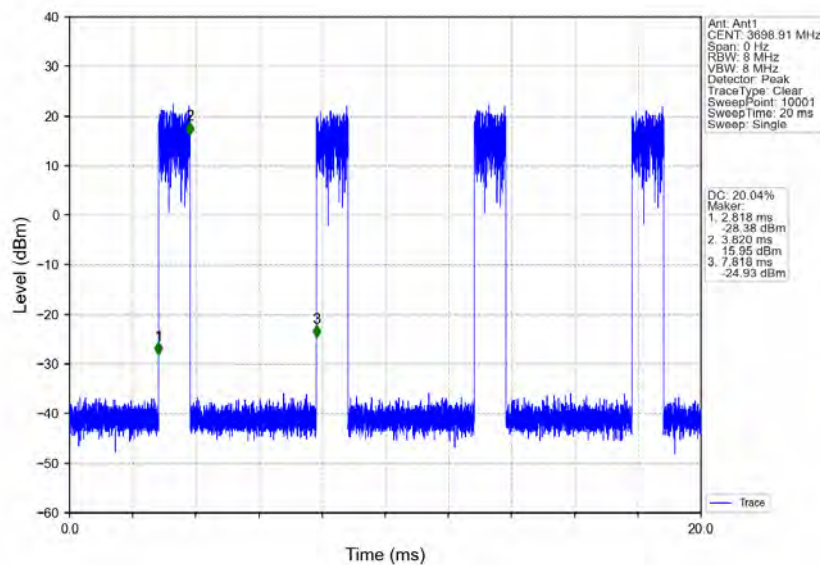
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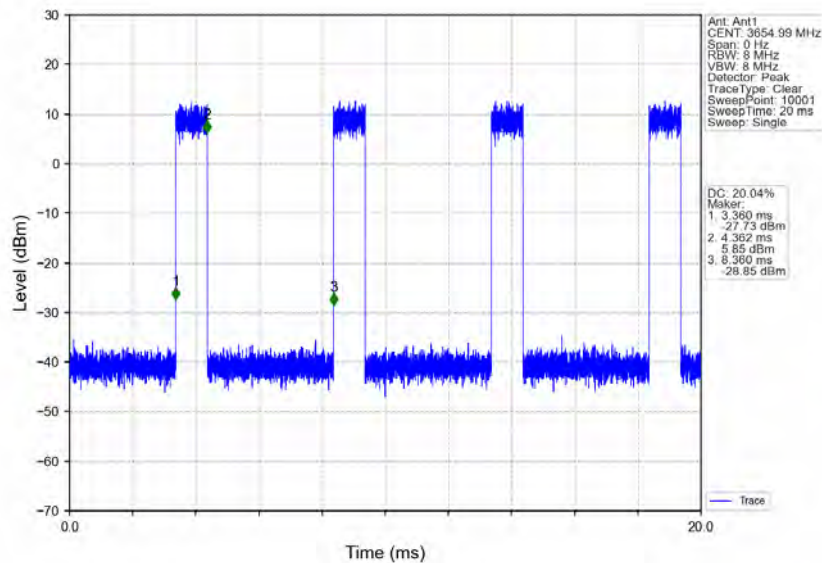
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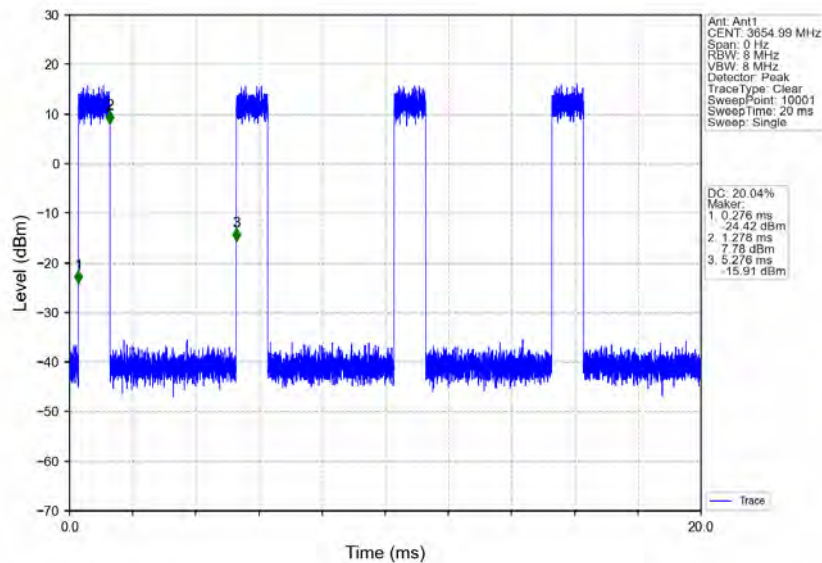
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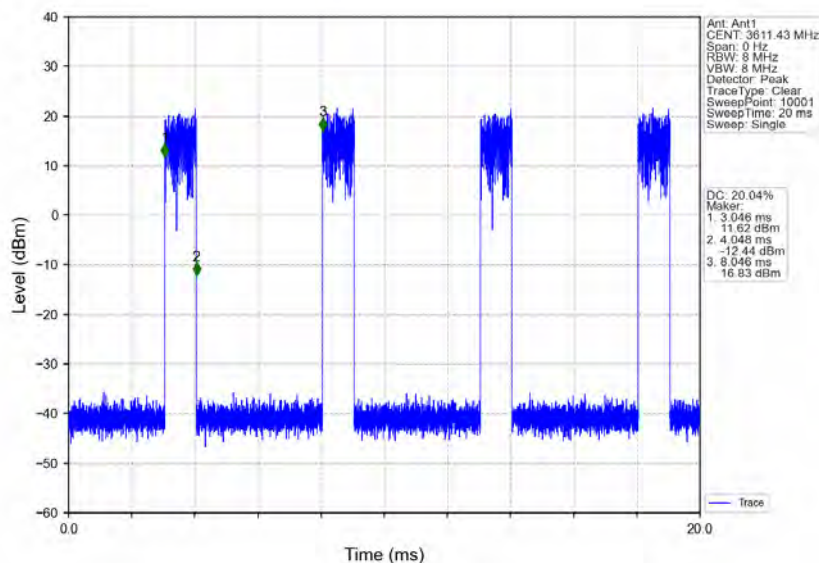
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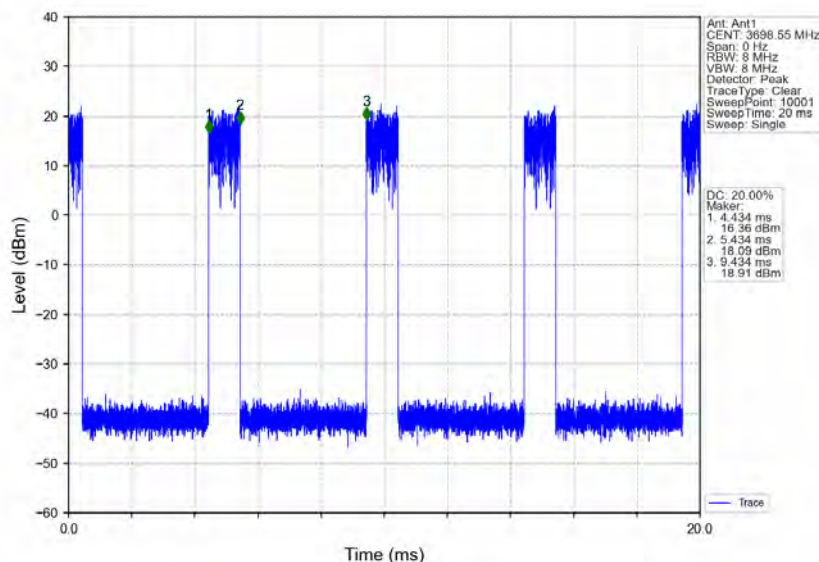
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1.11 30k_MIMO_100MHz_NTNV

1.11.1 Test Result

5G NR n78d SCS=30kHz MIMO 100MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	T _{on} (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
CP-OFDM QPSK	3600	Edge 1RB Left	1.000	5.000	20.00	6.99	0.00
		Edge 1RB Right	1.002	5.000	20.04	6.98	0.00
		Outer Full	1.002	5.000	20.04	6.98	0.00
		Inner Full	1.002	5.000	20.04	6.98	0.00
		Inner 1RB Left	1.000	5.000	20.00	6.99	0.00
		Inner 1RB Right	1.000	5.000	20.00	6.99	0.00
	3624.99	Edge 1RB Left	1.002	5.000	20.04	6.98	0.00
		Edge 1RB Right	1.000	5.000	20.00	6.99	0.00
		Outer Full	1.002	5.000	20.04	6.98	0.00
		Inner Full	1.002	5.000	20.04	6.98	0.00
		Inner 1RB Left	1.000	5.000	20.00	6.99	0.00
		Inner 1RB Right	1.000	5.000	20.00	6.99	0.00
	3649.98	Edge 1RB Left	1.002	5.000	20.04	6.98	0.00
		Edge 1RB Right	1.000	5.000	20.00	6.99	0.00
		Outer Full	1.002	5.000	20.04	6.98	0.00
		Inner Full	1.002	5.000	20.04	6.98	0.00
		Inner 1RB Left	1.000	5.000	20.00	6.99	0.00
		Inner 1RB Right	1.000	5.000	20.00	6.99	0.00
CP-OFDM 16 QAM	3600	Edge 1RB Left	1.000	5.000	20.00	6.99	0.00
		Edge 1RB Right	1.000	5.000	20.00	6.99	0.00
		Outer Full	1.002	5.000	20.04	6.98	0.00
		Inner Full	1.002	5.000	20.04	6.98	0.00
		Inner 1RB Left	1.000	5.000	20.00	6.99	0.00
		Inner 1RB Right	1.000	5.000	20.00	6.99	0.00
	3624.99	Edge 1RB Left	1.000	5.000	20.00	6.99	0.00
		Edge 1RB Right	1.002	5.000	20.04	6.98	0.00
		Outer Full	1.004	5.000	20.08	6.97	0.00
		Inner Full	1.002	5.000	20.04	6.98	0.00
		Inner 1RB Left	1.000	5.000	20.00	6.99	0.00
		Inner 1RB Right	1.000	5.000	20.00	6.99	0.00
	3649.98	Edge 1RB Left	1.000	5.000	20.00	6.99	0.00
		Edge 1RB Right	1.000	5.000	20.00	6.99	0.00
		Outer Full	1.004	5.000	20.08	6.97	0.00
		Inner Full	1.002	4.998	20.05	6.98	0.03
		Inner 1RB Left	1.000	5.000	20.00	6.99	0.00
		Inner 1RB Right	1.000	5.000	20.00	6.99	0.00
CP-OFDM 64 QAM	3600	Edge 1RB Left	1.000	5.000	20.00	6.99	0.00
		Edge 1RB Right	1.000	5.000	20.00	6.99	0.00
		Outer Full	1.002	5.000	20.04	6.98	0.00
		Inner Full	1.002	5.000	20.04	6.98	0.00
		Inner 1RB Left	1.000	5.000	20.00	6.99	0.00
		Inner 1RB Right	1.000	5.000	20.00	6.99	0.00
	3624.99	Edge 1RB Left	1.000	5.000	20.00	6.99	0.00
		Edge 1RB Right	1.000	5.000	20.00	6.99	0.00
		Outer Full	1.002	5.000	20.04	6.98	0.00
		Inner Full	1.002	5.000	20.04	6.98	0.00

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CP-OFDM 256 QAM		Outer_Full	1.002	5.000	20.04	6.98	0.00
		Inner_Full	1.002	5.000	20.04	6.98	0.00
		Inner_1RB_Left	1.000	5.000	20.00	6.99	0.00
		Inner_1RB_Right	1.000	5.000	20.00	6.99	0.00
	3649.98	Edge_1RB_Left	1.002	5.000	20.04	6.98	0.00
		Edge_1RB_Right	1.000	5.000	20.00	6.99	0.00
		Outer_Full	1.002	5.000	20.04	6.98	0.00
		Inner_Full	1.002	5.000	20.04	6.98	0.00
		Inner_1RB_Left	1.000	5.000	20.00	6.99	0.00
		Inner_1RB_Right	1.002	5.000	20.04	6.98	0.00
		Edge_1RB_Left	1.000	5.000	20.00	6.99	0.00
		Edge_1RB_Right	1.002	5.000	20.04	6.98	0.00
	3600	Outer_Full	1.002	5.000	20.04	6.98	0.00
		Inner_Full	1.002	5.000	20.04	6.98	0.00
		Inner_1RB_Left	1.000	5.000	20.00	6.99	0.00
		Inner_1RB_Right	1.002	5.000	20.04	6.98	0.00
		Edge_1RB_Left	1.000	5.000	20.00	6.99	0.00
		Edge_1RB_Right	1.002	5.000	20.04	6.98	0.00
		Outer_Full	1.002	5.000	20.04	6.98	0.00
		Inner_Full	1.002	5.000	20.04	6.98	0.00
	3624.99	Inner_1RB_Left	1.000	5.000	20.00	6.99	0.00
		Inner_1RB_Right	1.002	5.000	20.04	6.98	0.00
		Edge_1RB_Left	1.000	5.000	20.00	6.99	0.00
		Edge_1RB_Right	1.002	5.000	20.04	6.98	0.00
		Outer_Full	1.002	5.000	20.04	6.98	0.00
		Inner_Full	1.002	5.000	20.04	6.98	0.00
		Inner_1RB_Left	1.000	5.000	20.00	6.99	0.00
		Inner_1RB_Right	1.002	5.000	20.04	6.98	0.00
	3649.98	Edge_1RB_Left	1.002	5.000	20.04	6.98	0.00
		Edge_1RB_Right	1.000	5.000	20.00	6.99	0.00
		Outer_Full	1.002	5.000	20.04	6.98	0.00
		Inner_Full	1.002	5.000	20.04	6.98	0.00
		Inner_1RB_Left	1.002	5.000	20.04	6.98	0.00
		Inner_1RB_Right	1.000	5.000	20.00	6.99	0.00
		Edge_1RB_Left	1.002	5.000	20.04	6.98	0.00
		Edge_1RB_Right	1.000	5.000	20.00	6.99	0.00



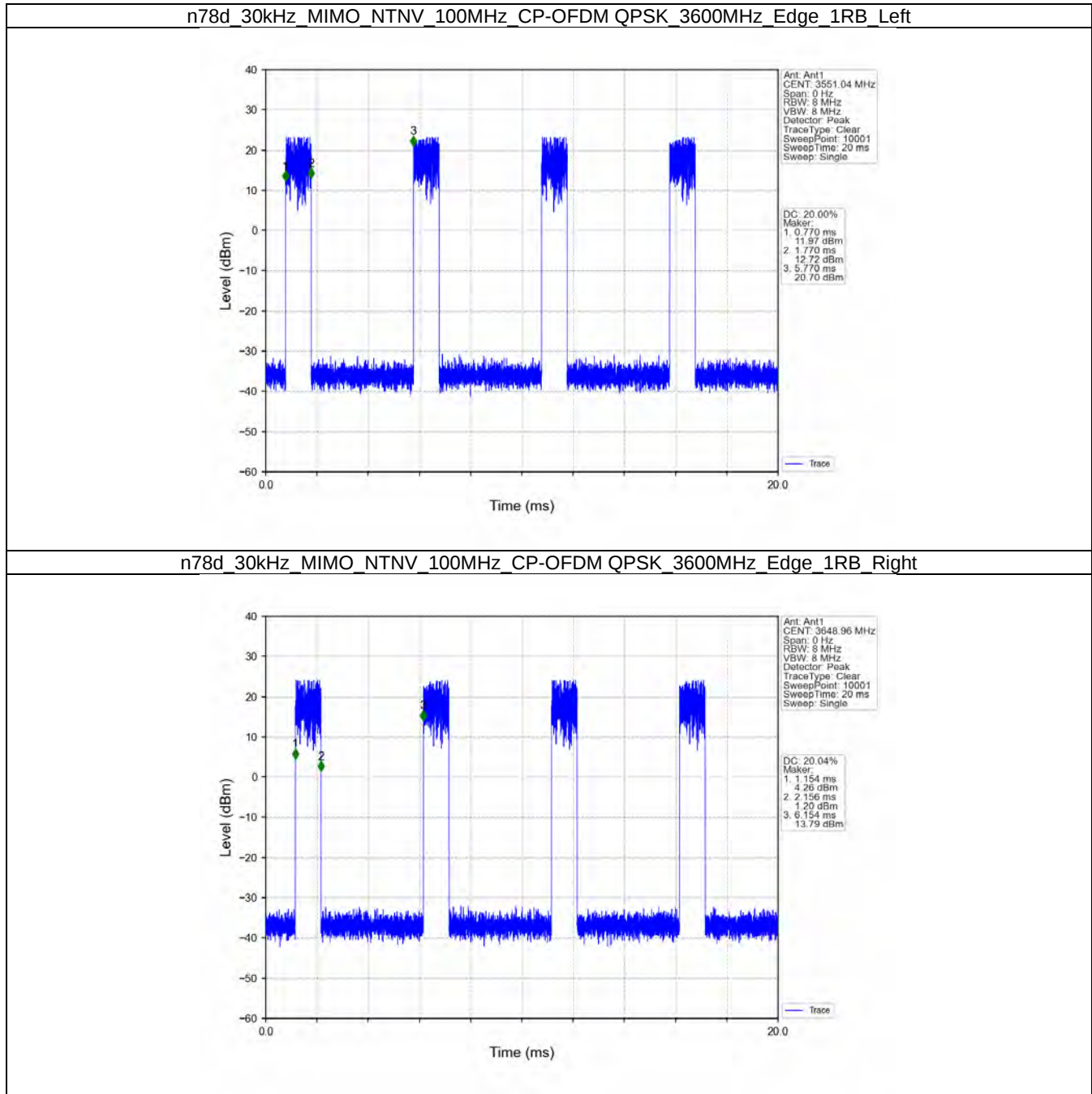
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1.11.2 Test Graph



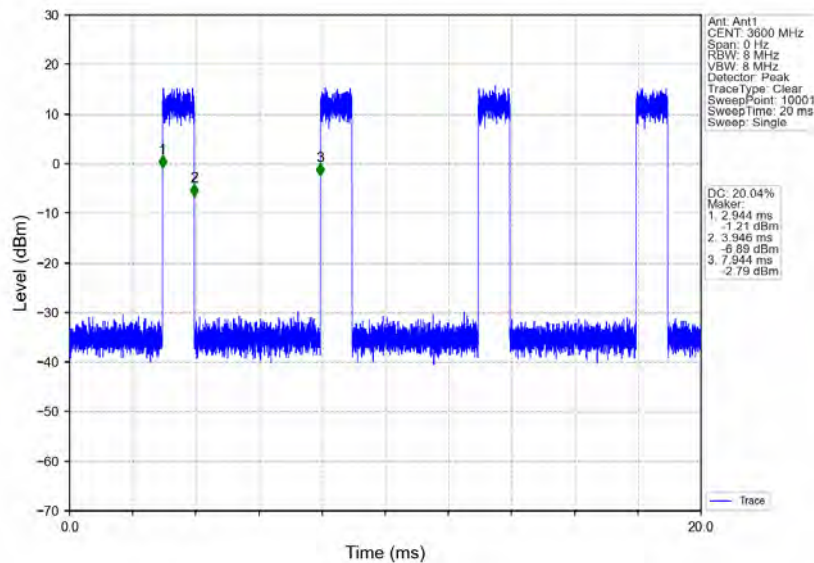
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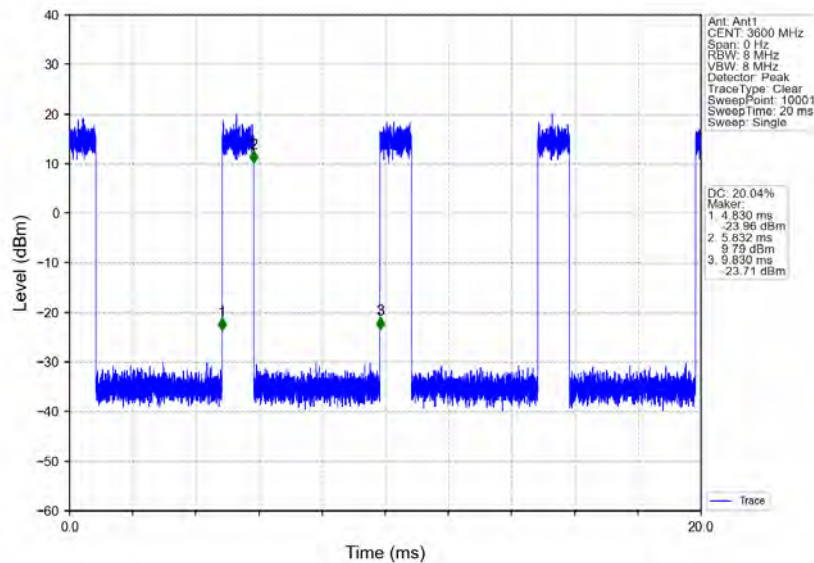
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n78d_30kHz_MIMO_NTNV_100MHz_CP-OFDM_QPSK_3600MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_100MHz_CP-OFDM_QPSK_3600MHz_Inner_Full



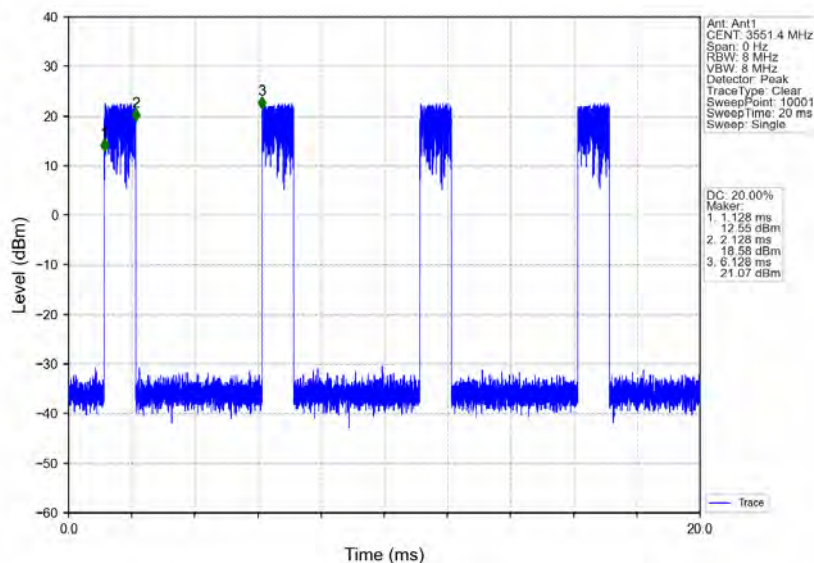
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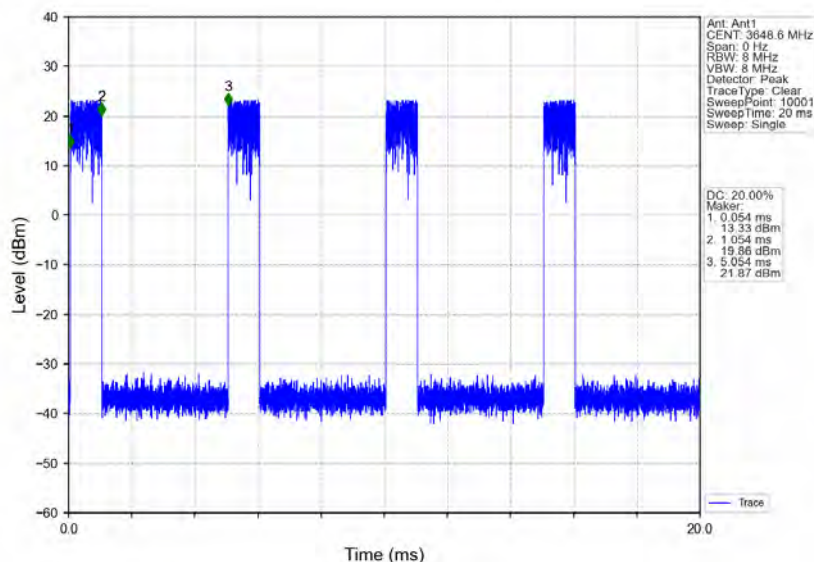
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n78d_30kHz_MIMO_NTNV_100MHz_CP-OFDM_QPSK_3600MHz_Inner_1RB_Left



n78d_30kHz_MIMO_NTNV_100MHz_CP-OFDM_QPSK_3600MHz_Inner_1RB_Right



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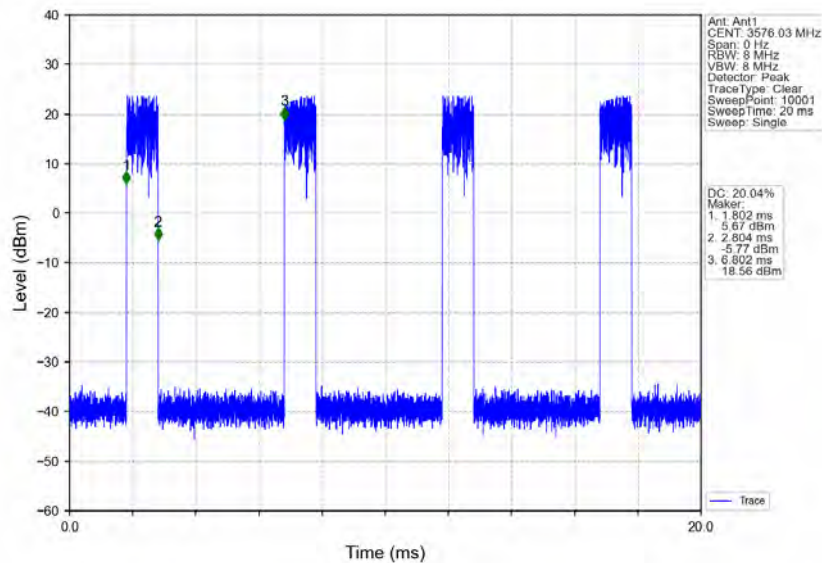
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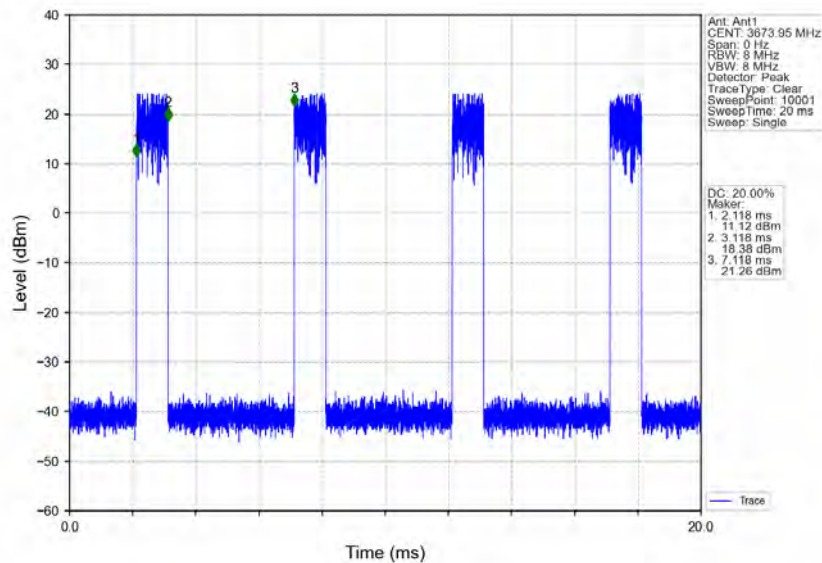
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n78d_30kHz_MIMO_NTNV_100MHz_CP-OFDM_QPSK_3624.99MHz_Edge_1RB_Left



n78d_30kHz_MIMO_NTNV_100MHz_CP-OFDM_QPSK_3624.99MHz_Edge_1RB_Right



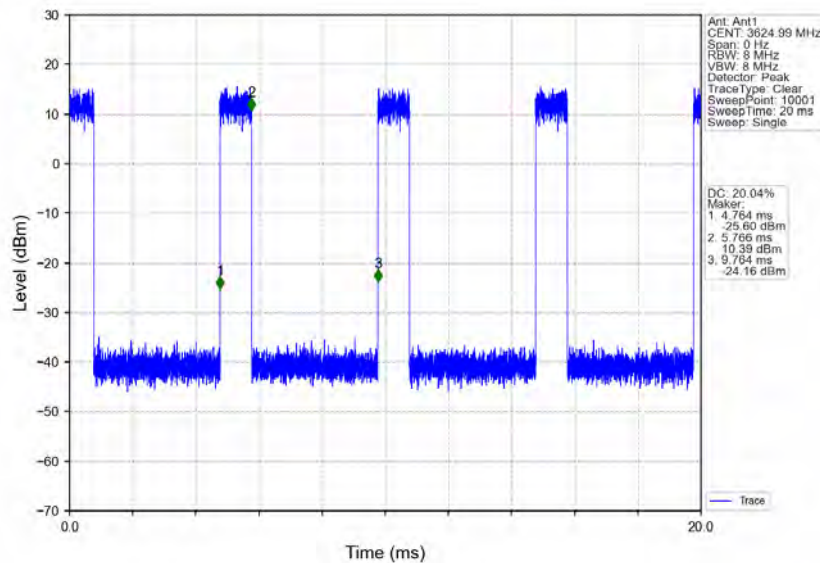
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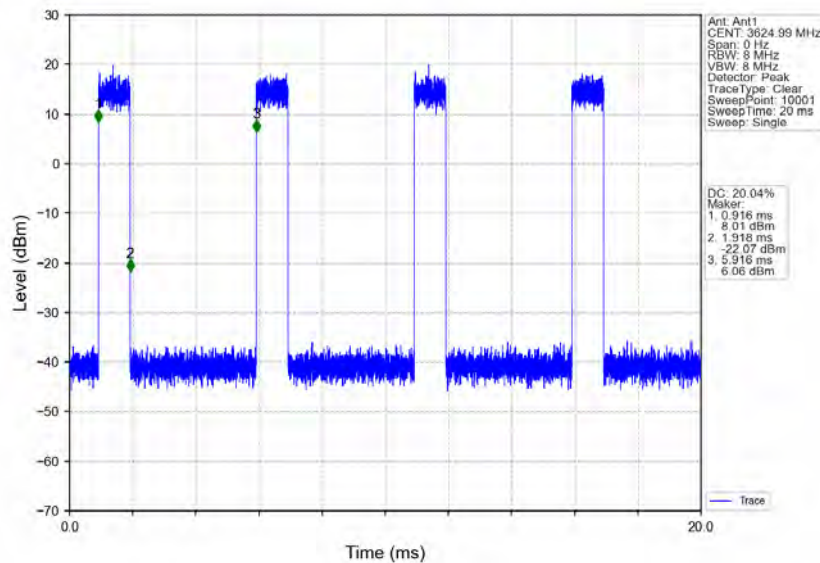
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n78d_30kHz_MIMO_NTNV_100MHz_CP-OFDM_QPSK_3624.99MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_100MHz_CP-OFDM_QPSK_3624.99MHz_Inner_Full



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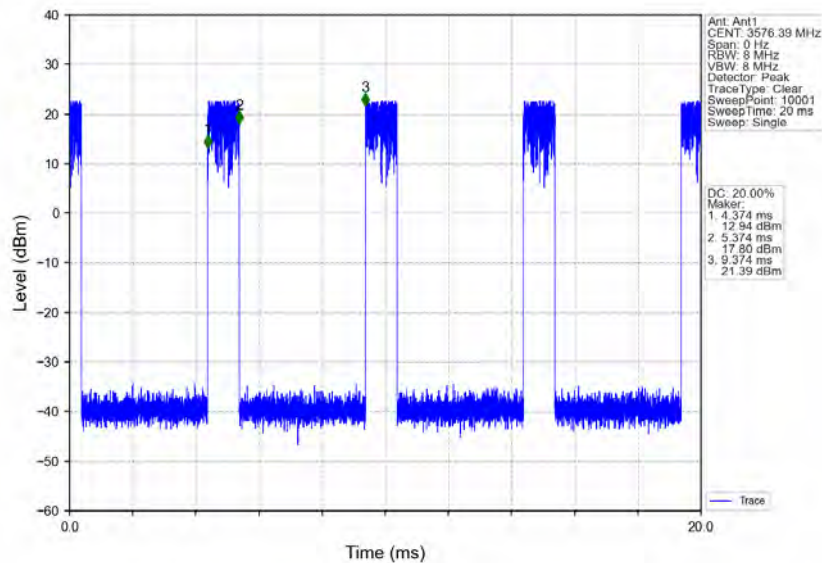
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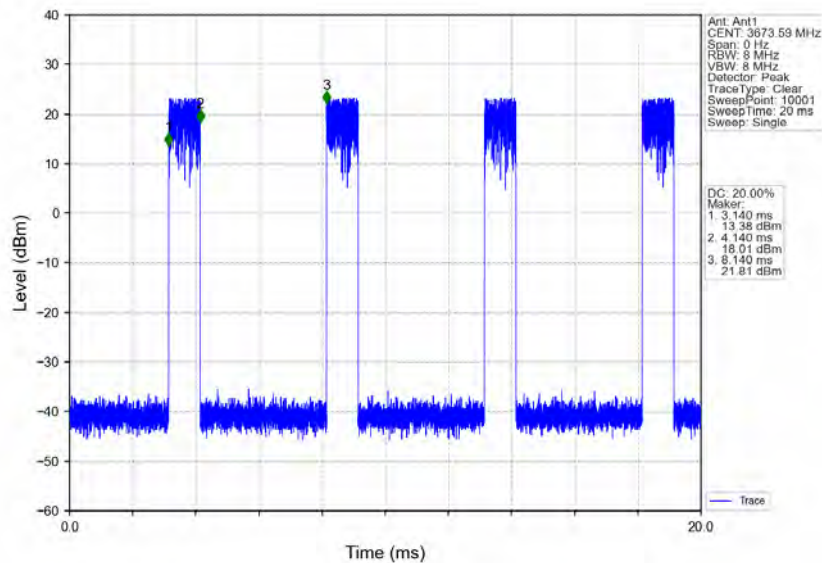
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n78d_30kHz_MIMO_NTNV_100MHz_CP-OFDM_QPSK_3624.99MHz_Inner_1RB_Left



n78d_30kHz_MIMO_NTNV_100MHz_CP-OFDM_QPSK_3624.99MHz_Inner_1RB_Right



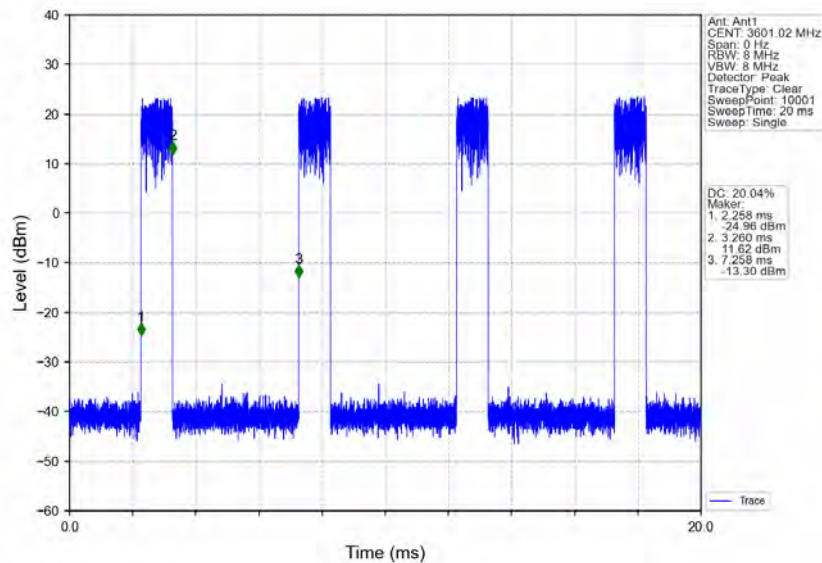
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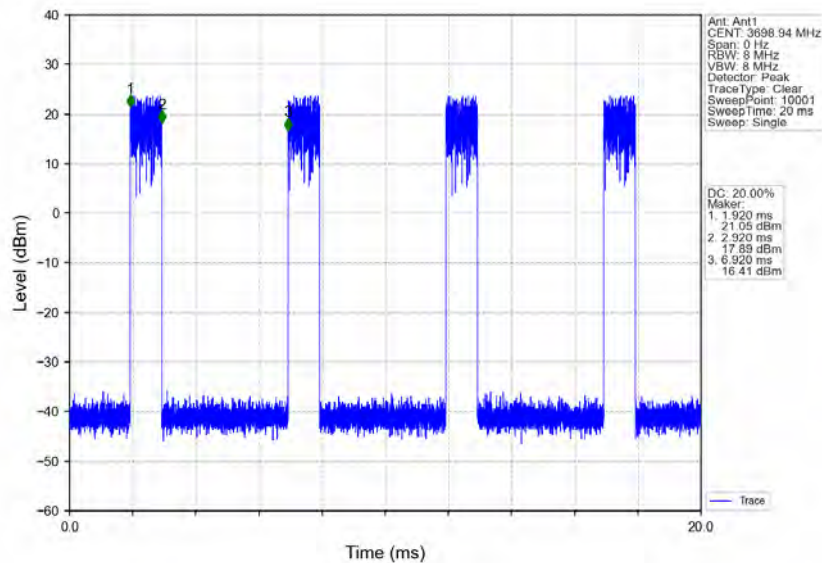
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n78d_30kHz_MIMO_NTNV_100MHz_CP-OFDM_QPSK_3649.98MHz_Edge_1RB_Left



n78d_30kHz_MIMO_NTNV_100MHz_CP-OFDM_QPSK_3649.98MHz_Edge_1RB_Right



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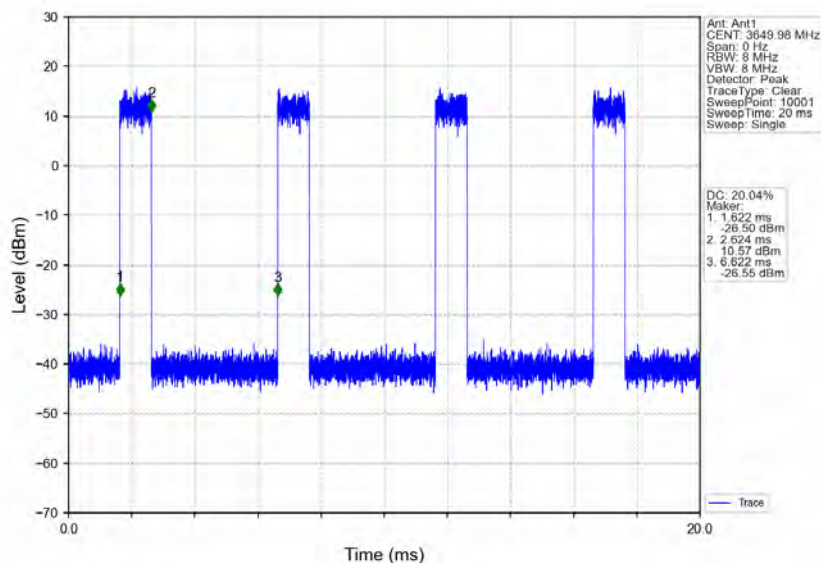
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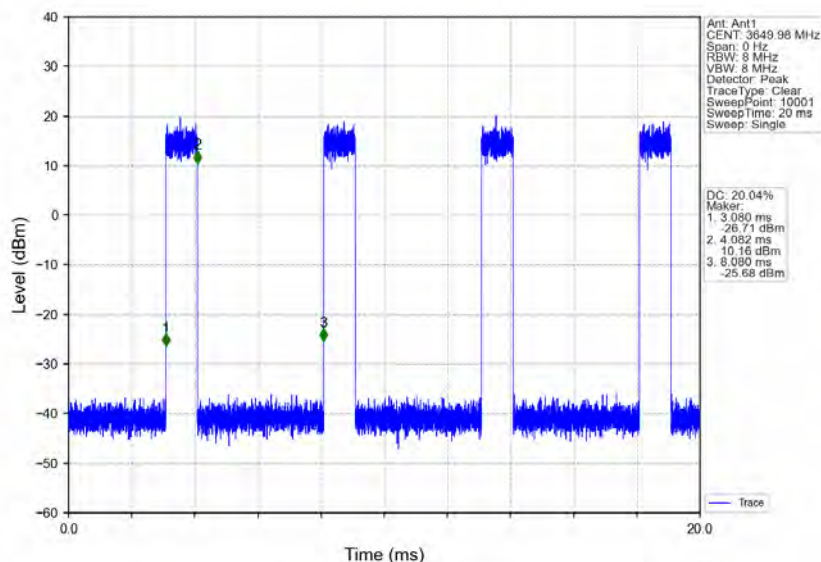
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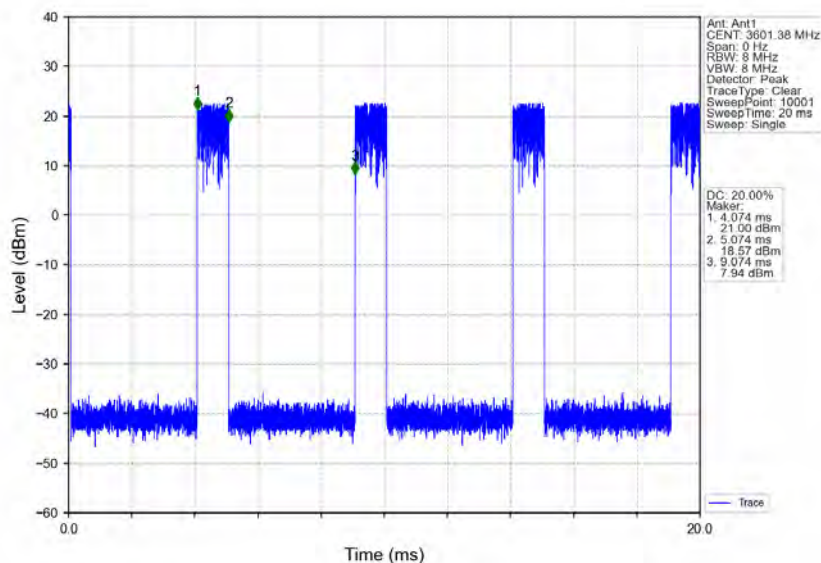
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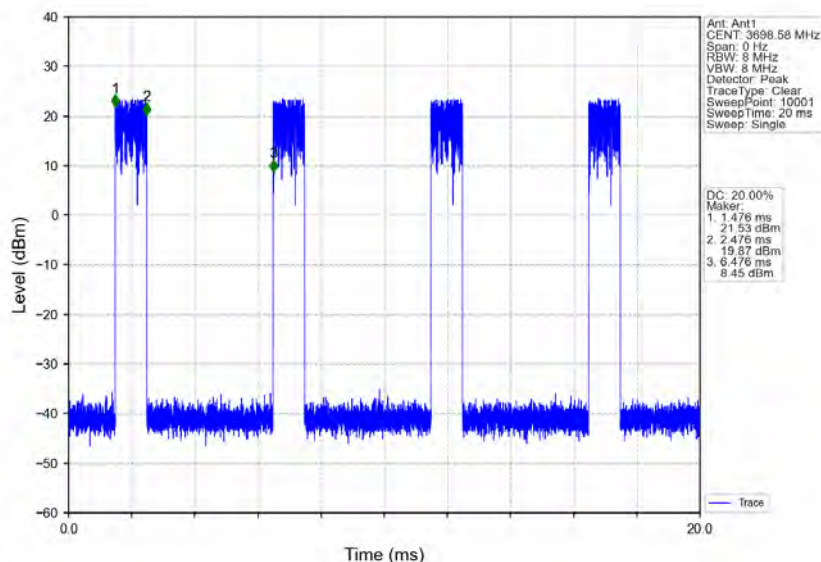
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n78d_30kHz_MIMO_NTNV_100MHz_CP-OFDM_QPSK_3649.98MHz_Inner_1RB_Right



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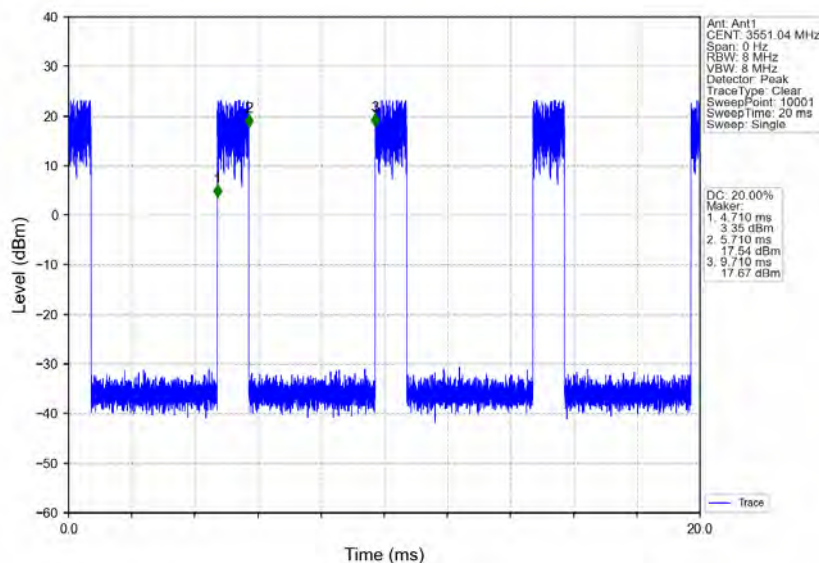
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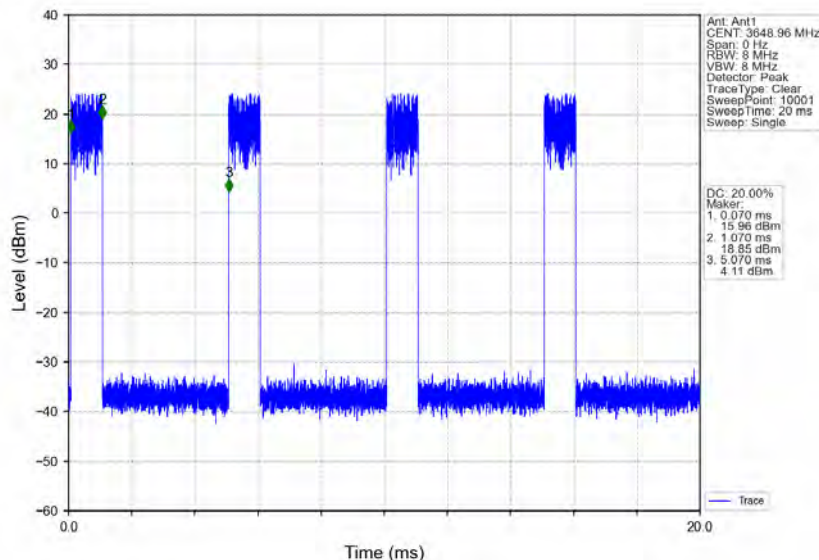
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n78d_30kHz_MIMO_NTNV_100MHz_CP-OFDM_16_QAM_3600MHz_Edge_1RB_Left



n78d_30kHz_MIMO_NTNV_100MHz_CP-OFDM_16_QAM_3600MHz_Edge_1RB_Right



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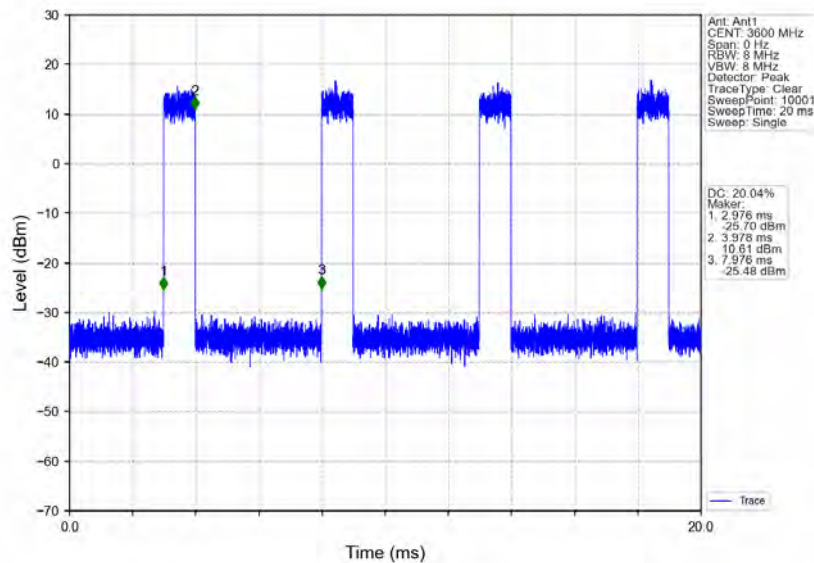
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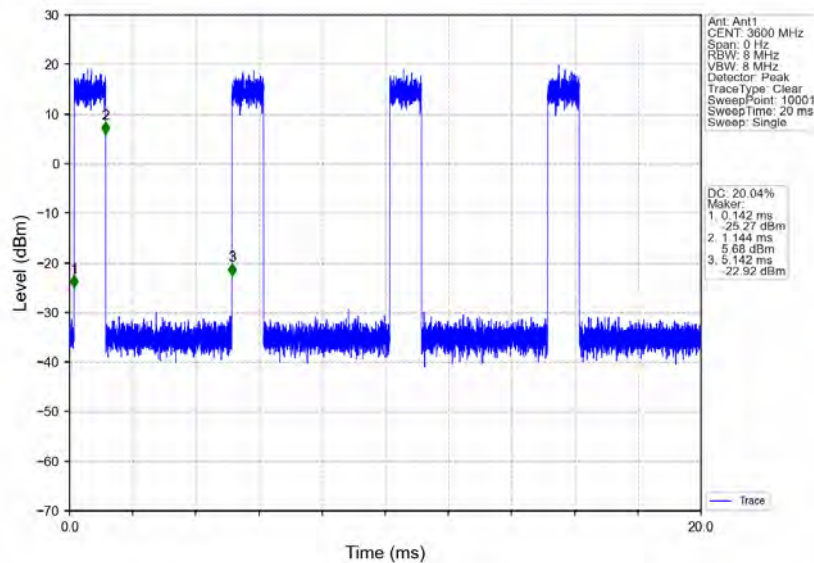
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n78d_30kHz_MIMO_NTNV_100MHz_CP-OFDM_16_QAM_3600MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_100MHz_CP-OFDM_16_QAM_3600MHz_Inner_Full



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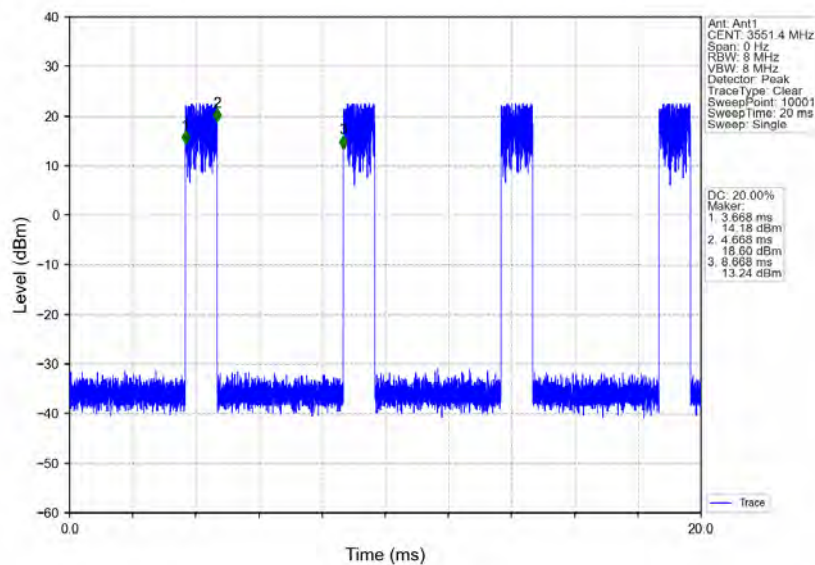
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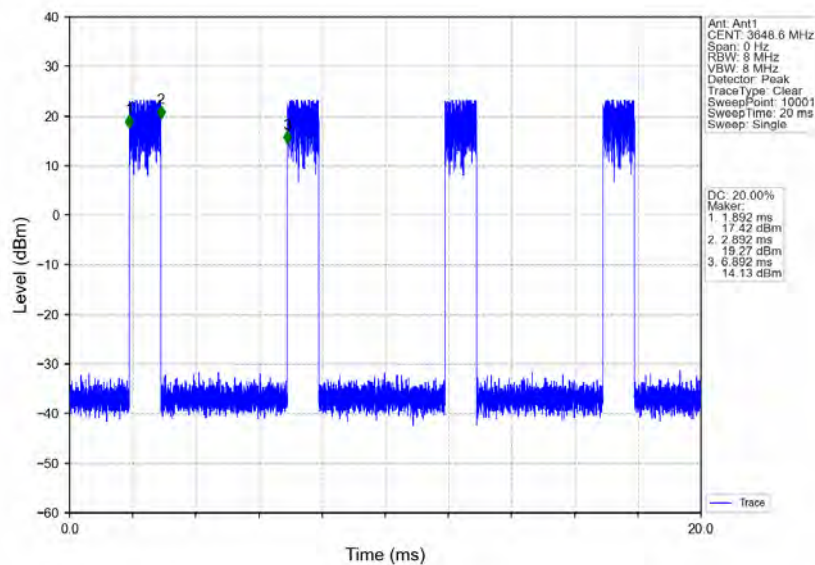
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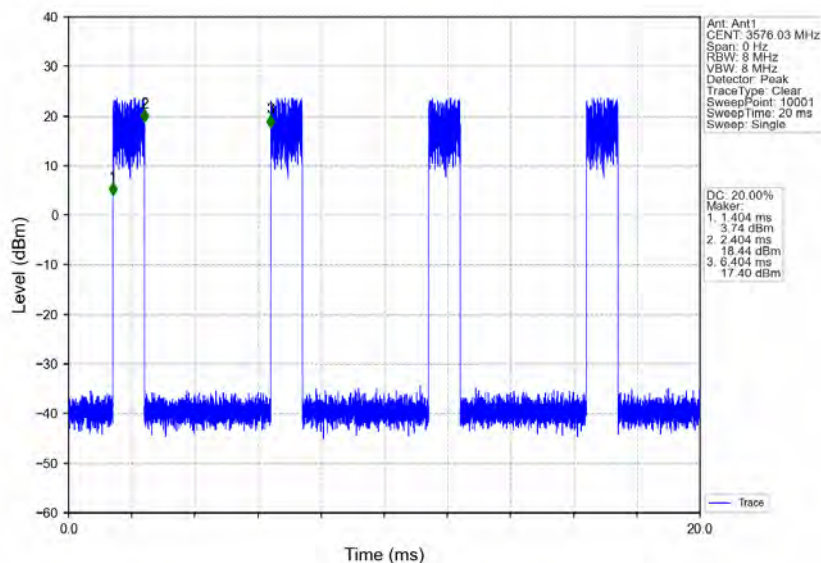
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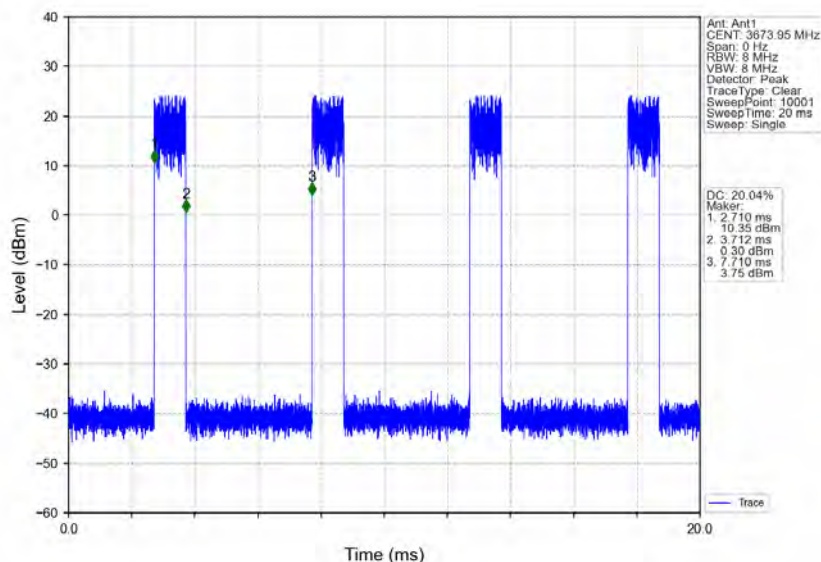
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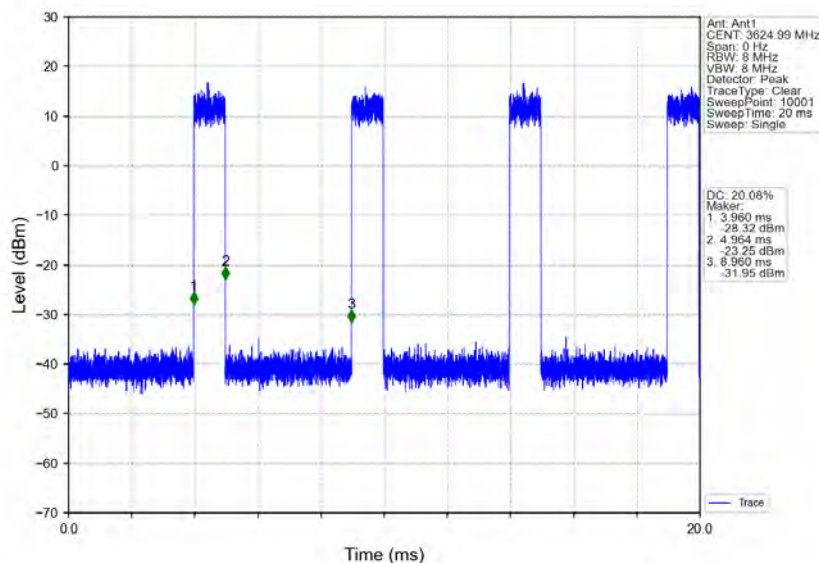
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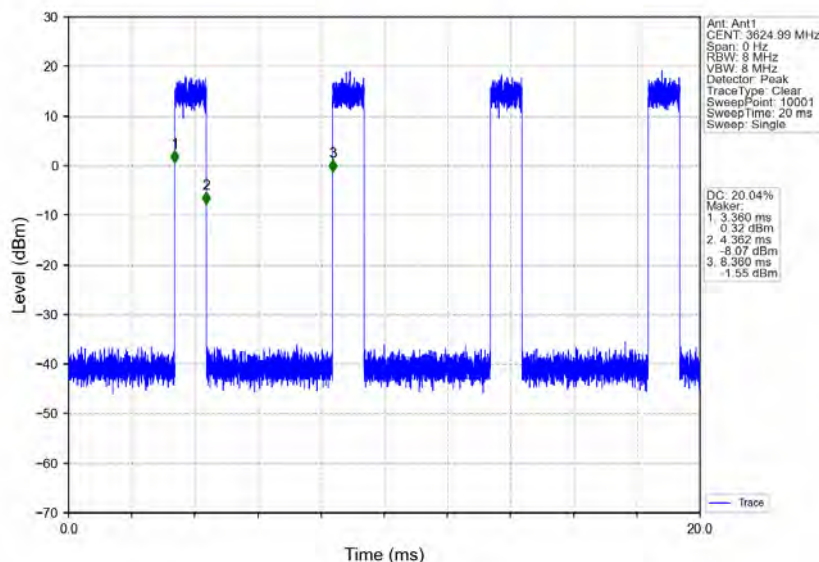
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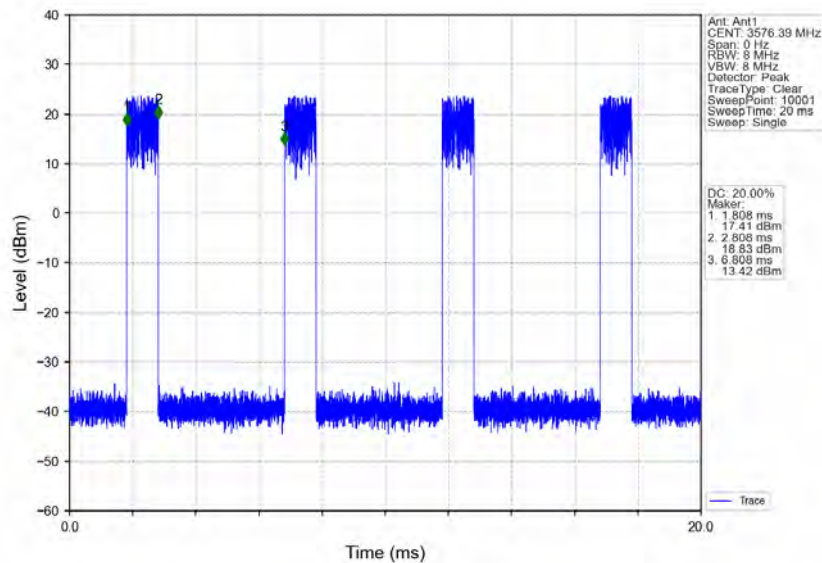
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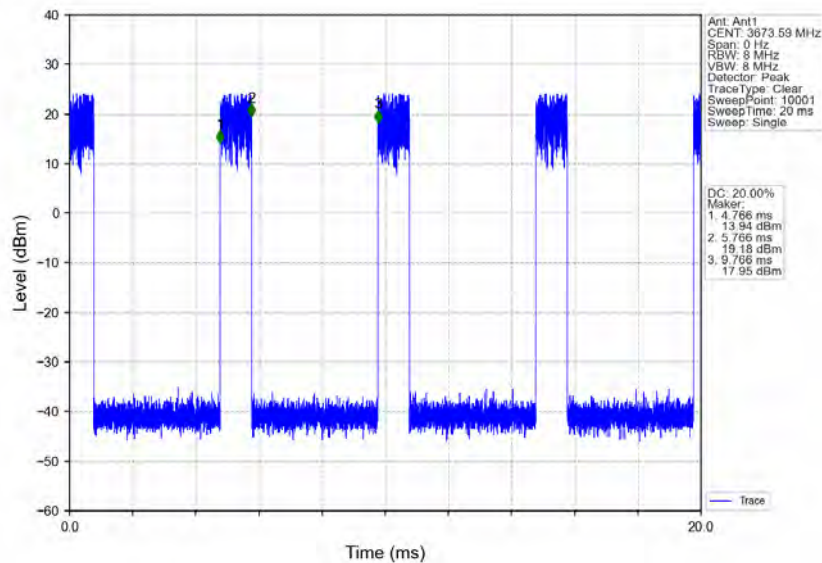
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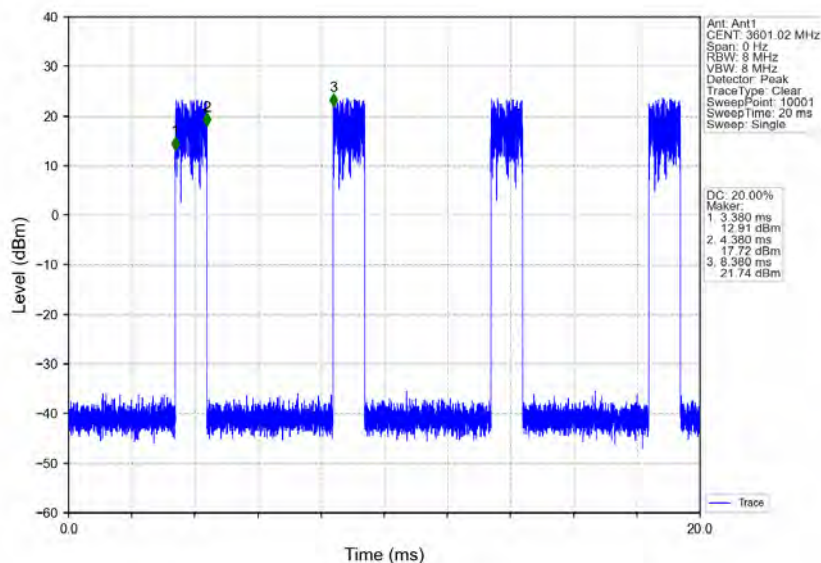
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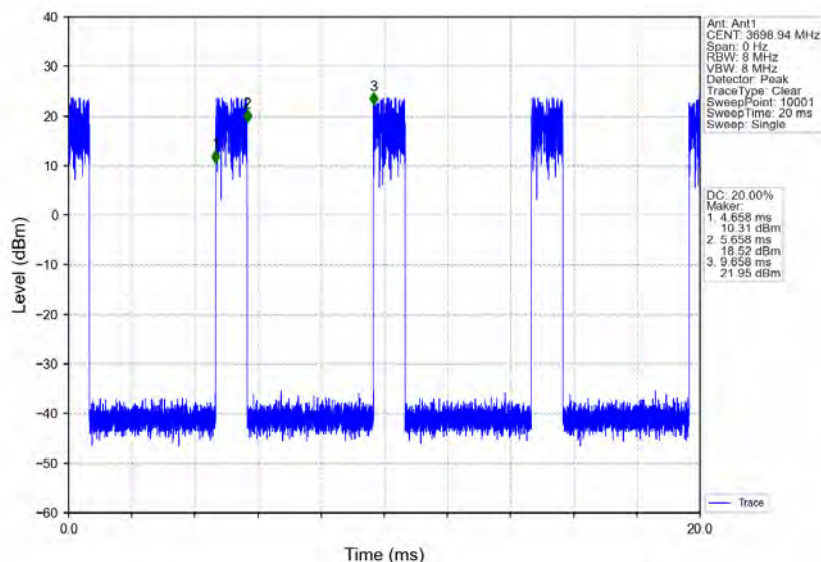
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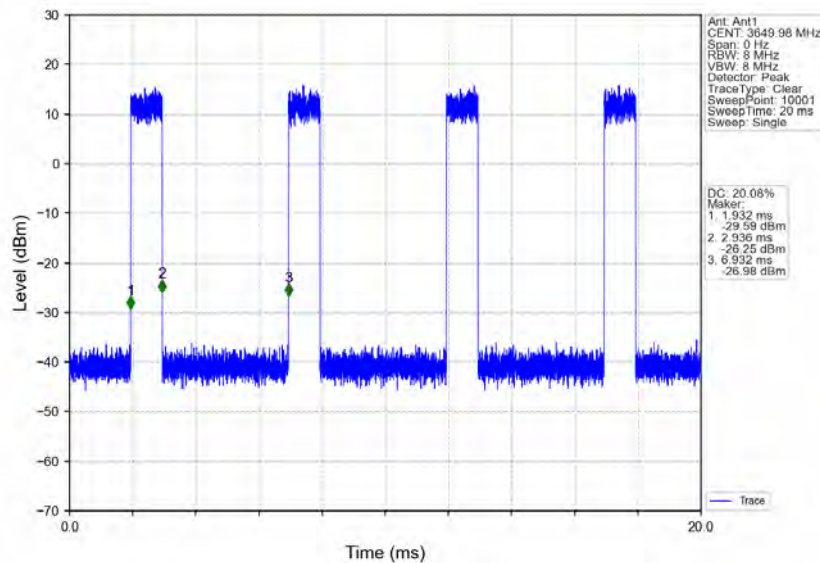
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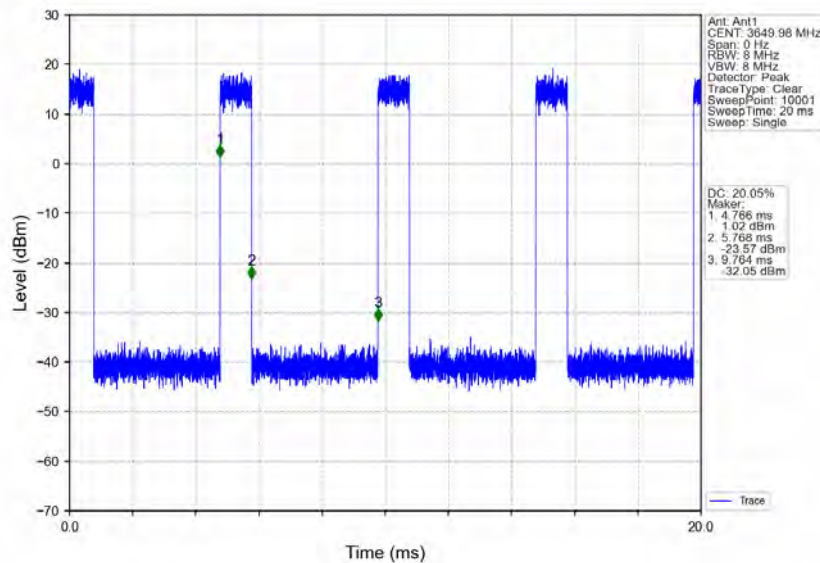
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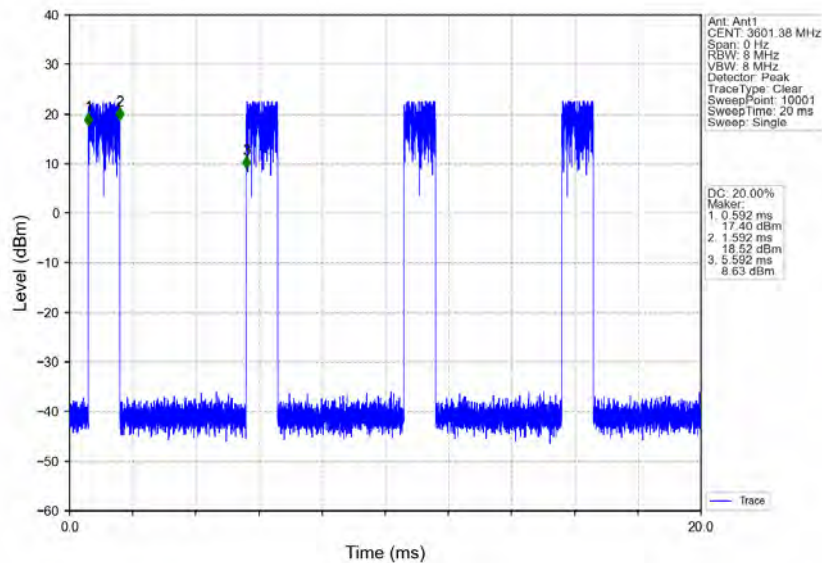
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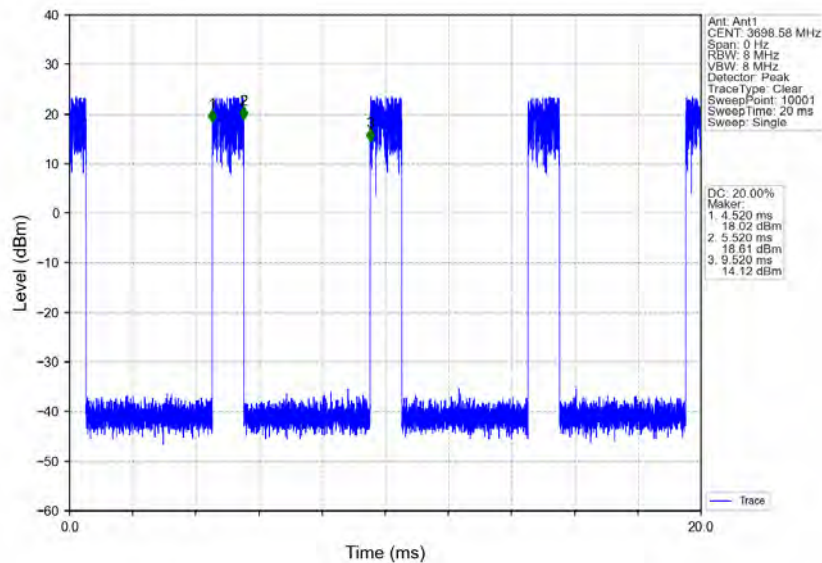
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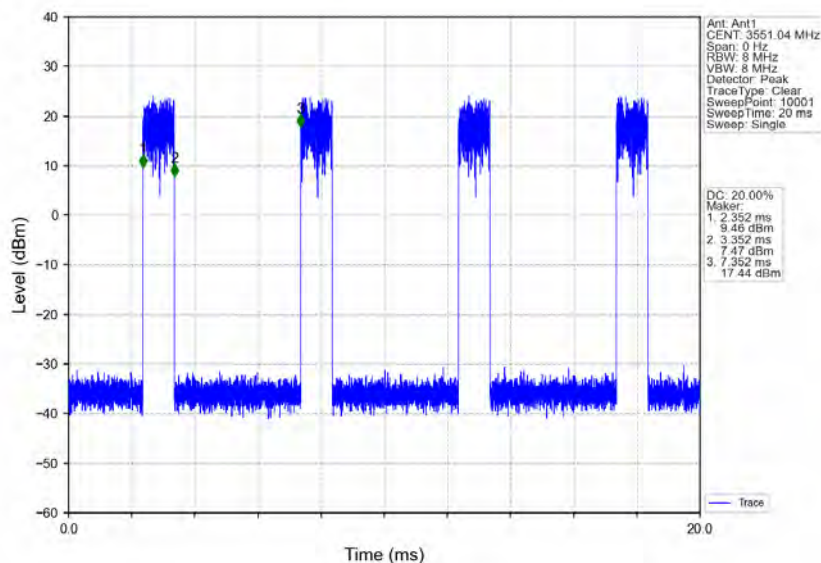
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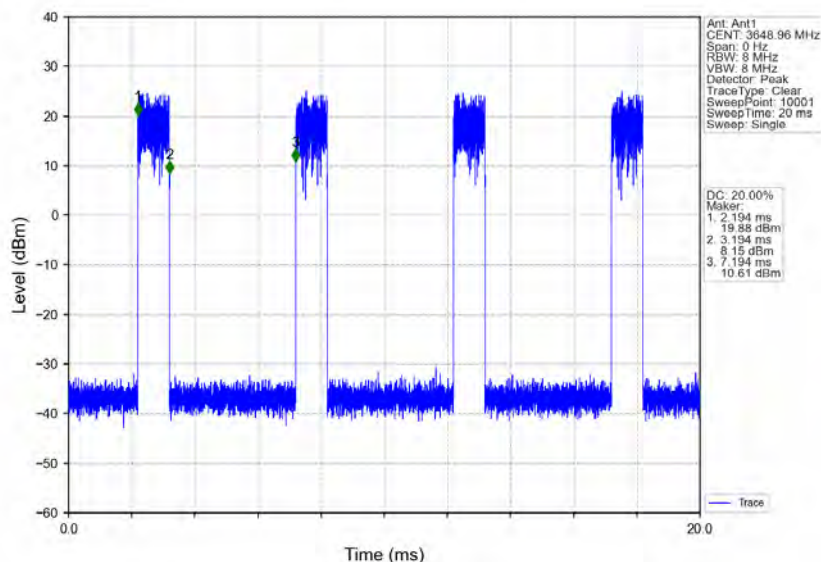
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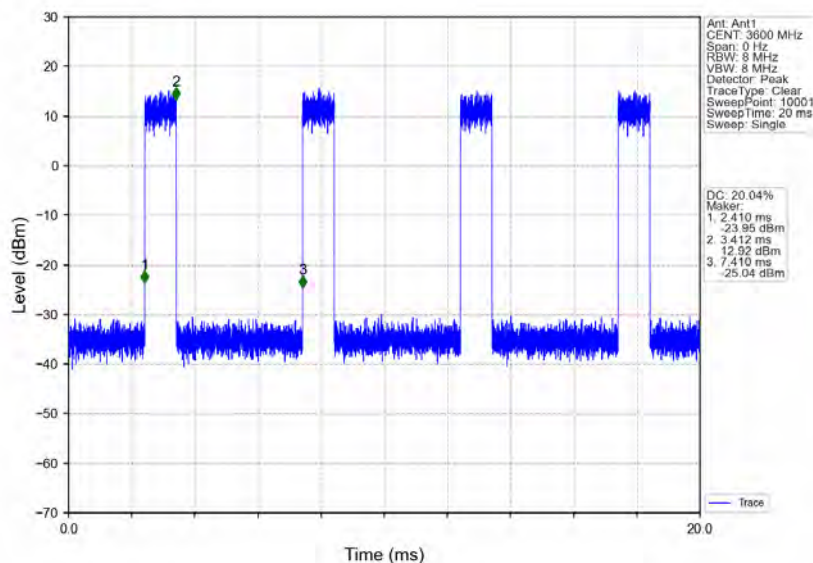
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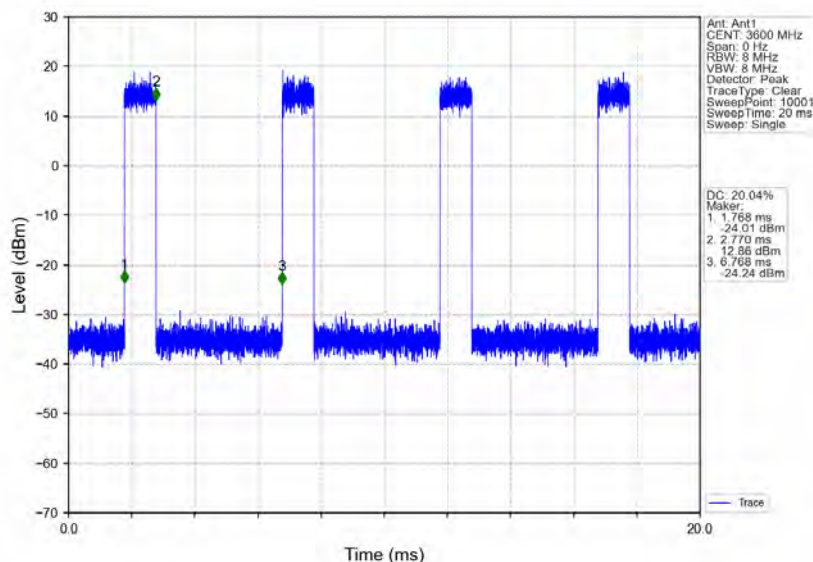
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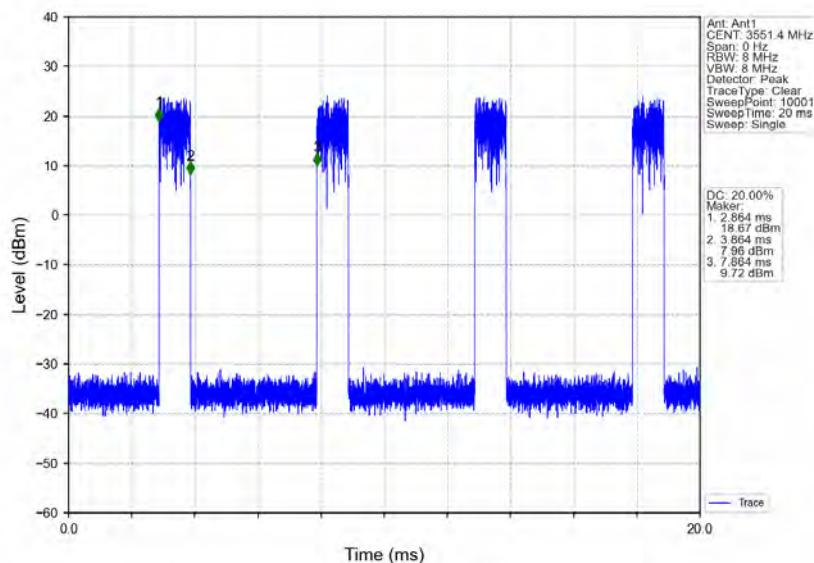
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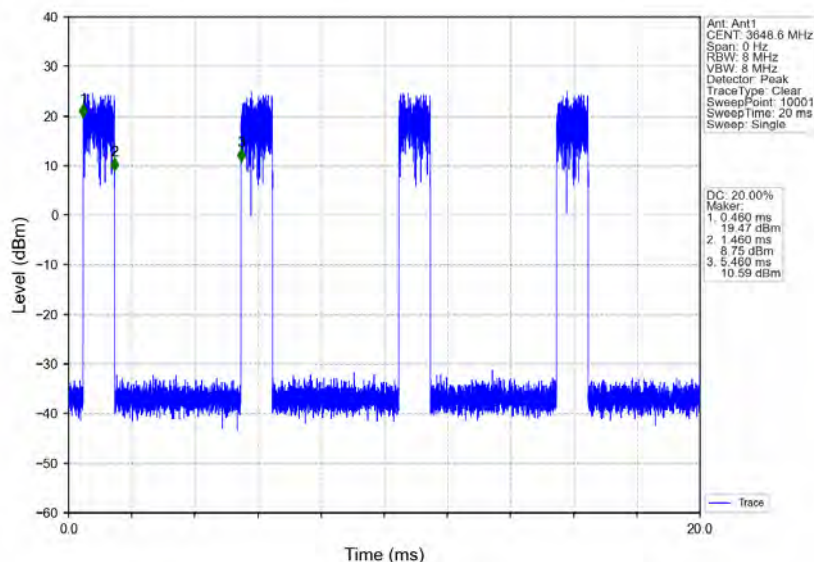
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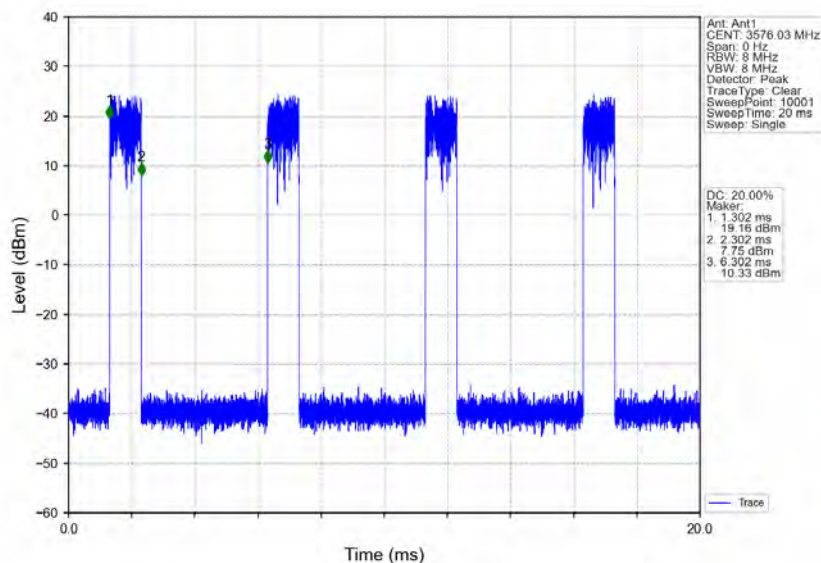
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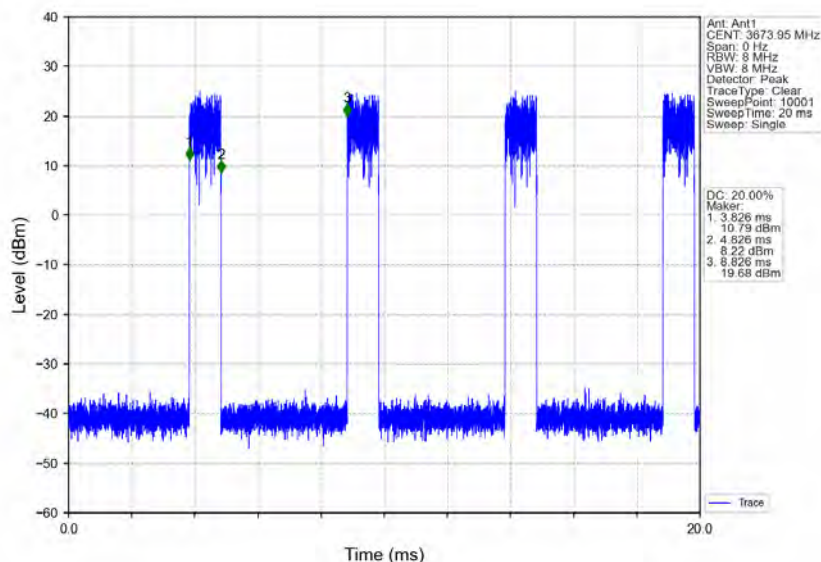
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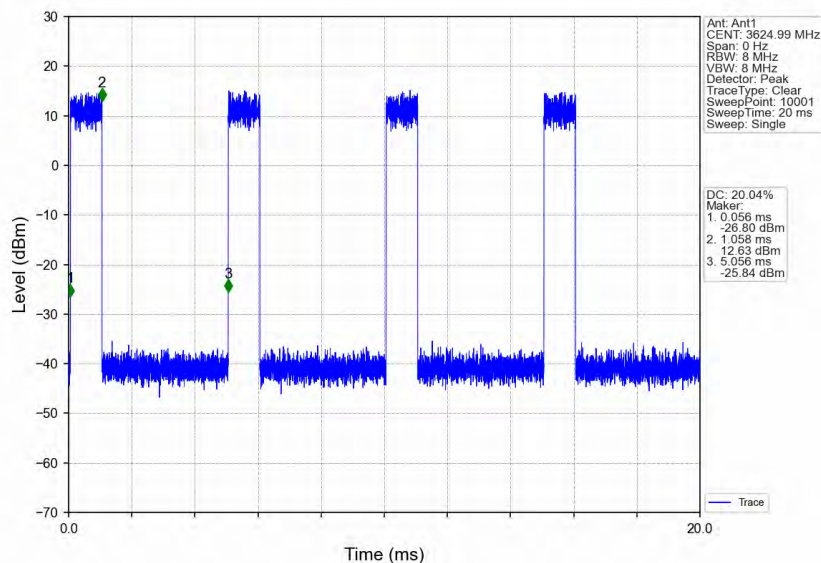
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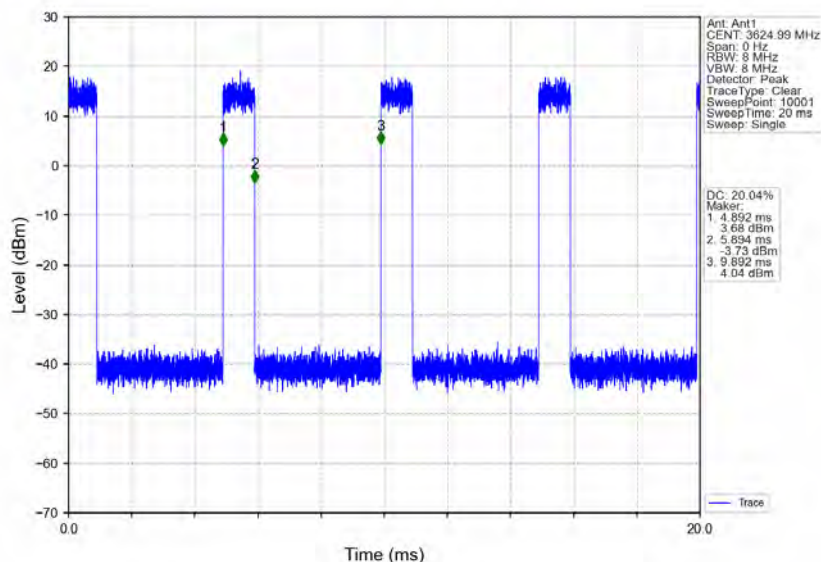
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n78d_30kHz_MIMO_NTNV_100MHz_CP-OFDM 64 QAM_3624.99MHz_Outer_Full



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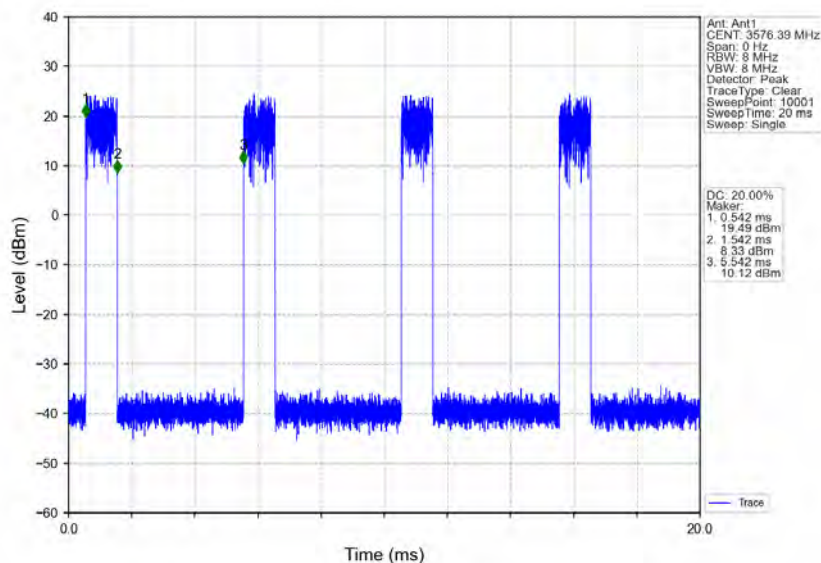
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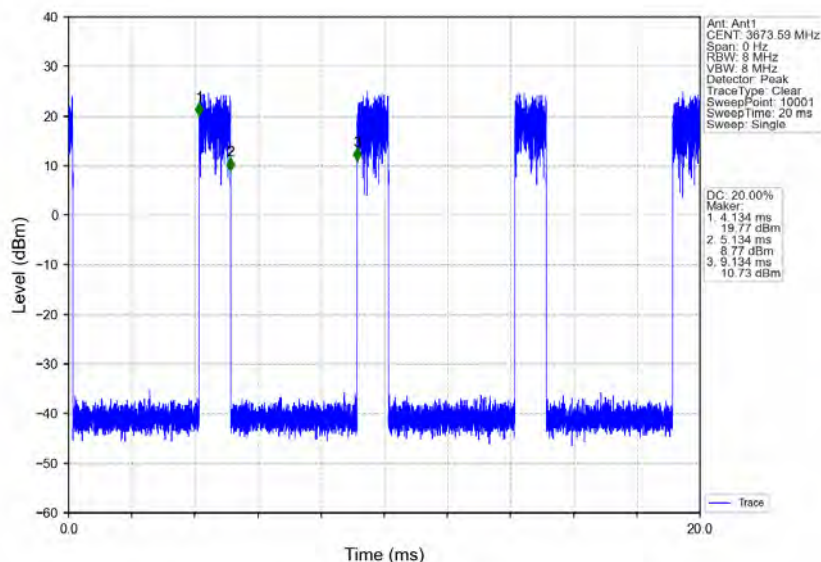
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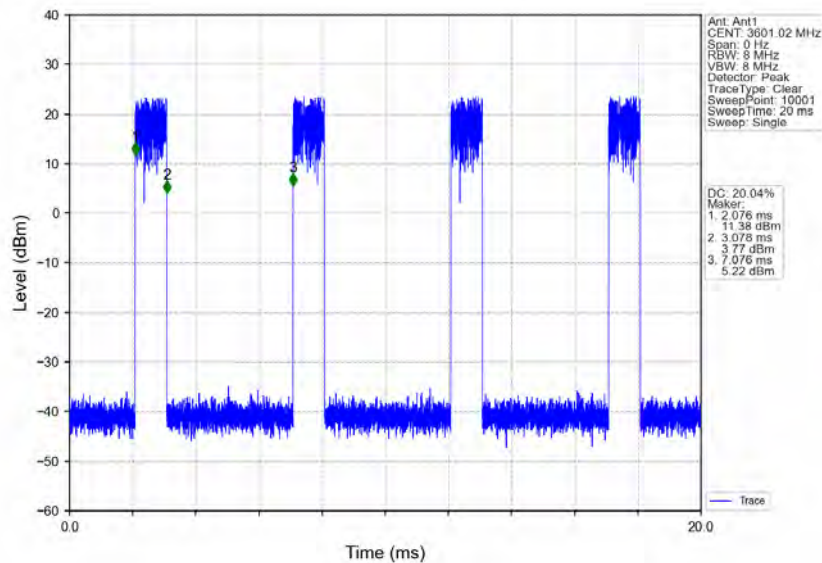
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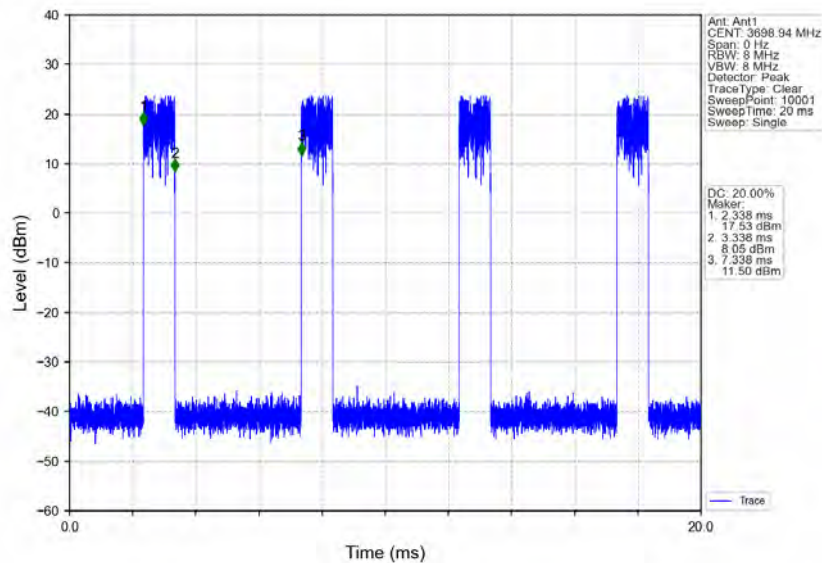
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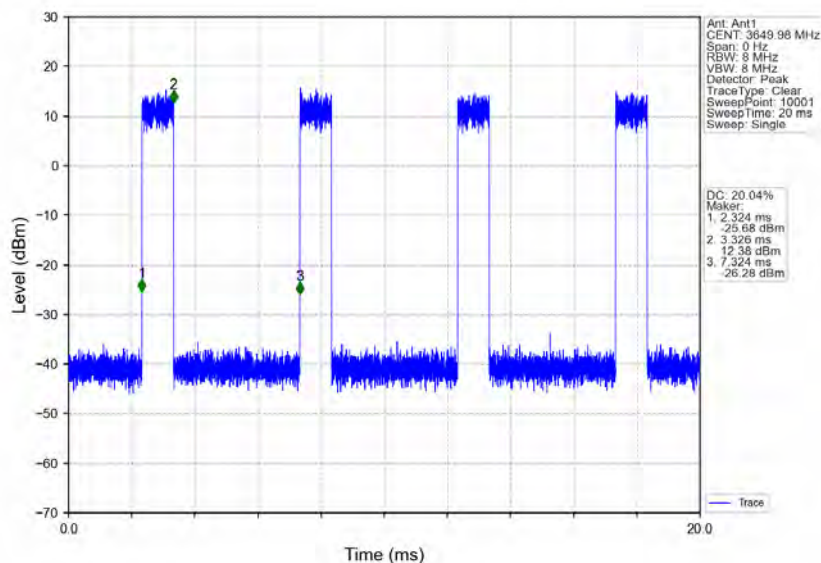
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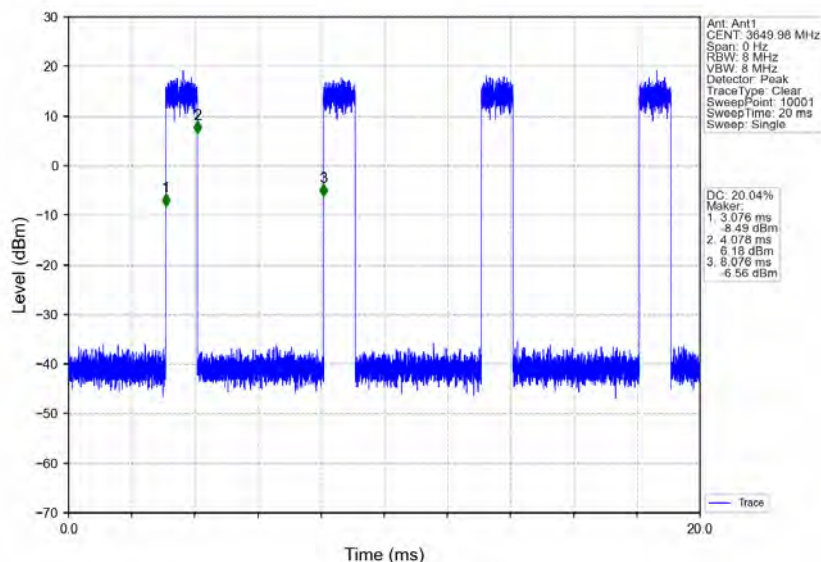
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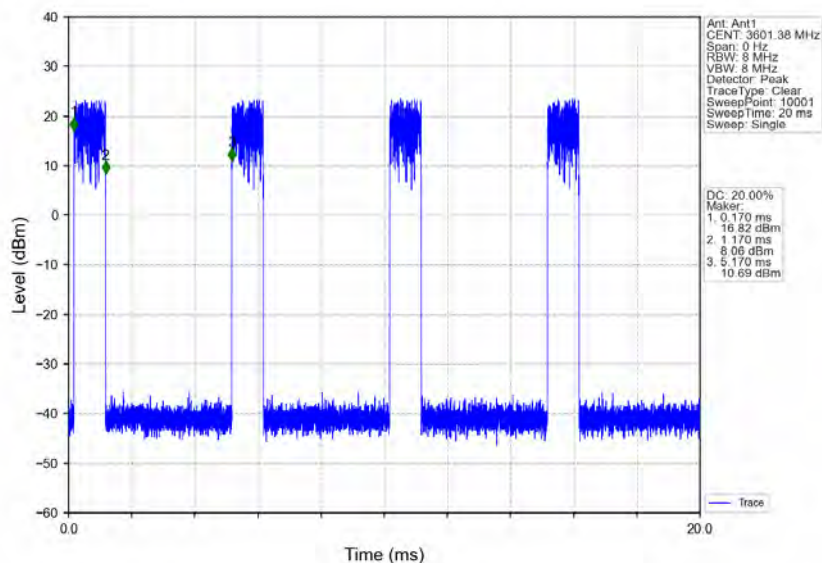
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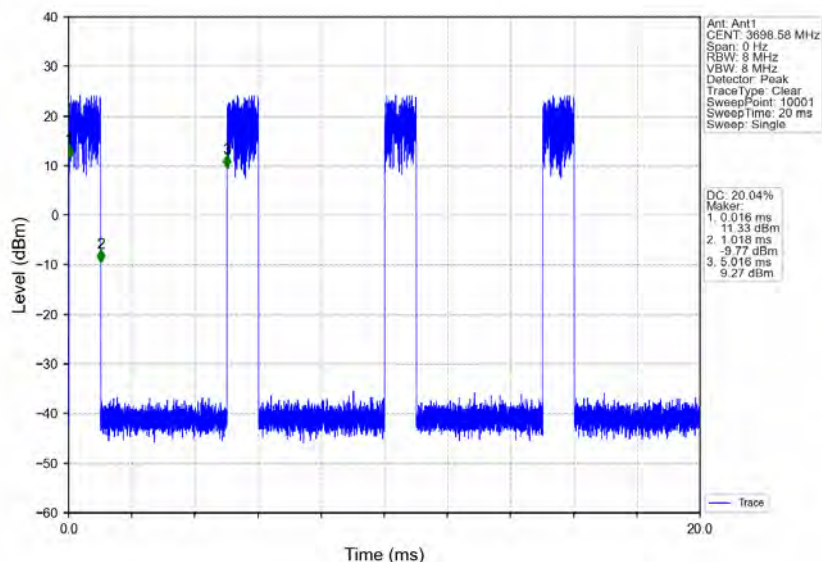
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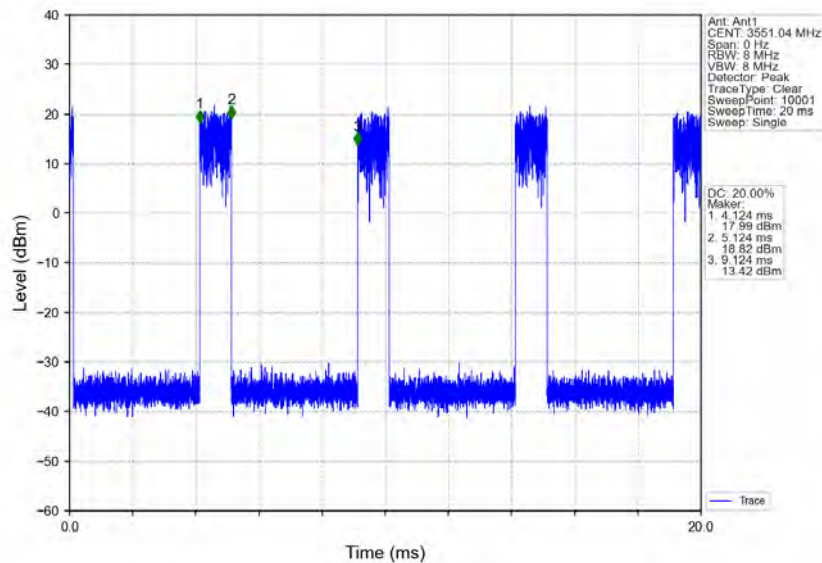
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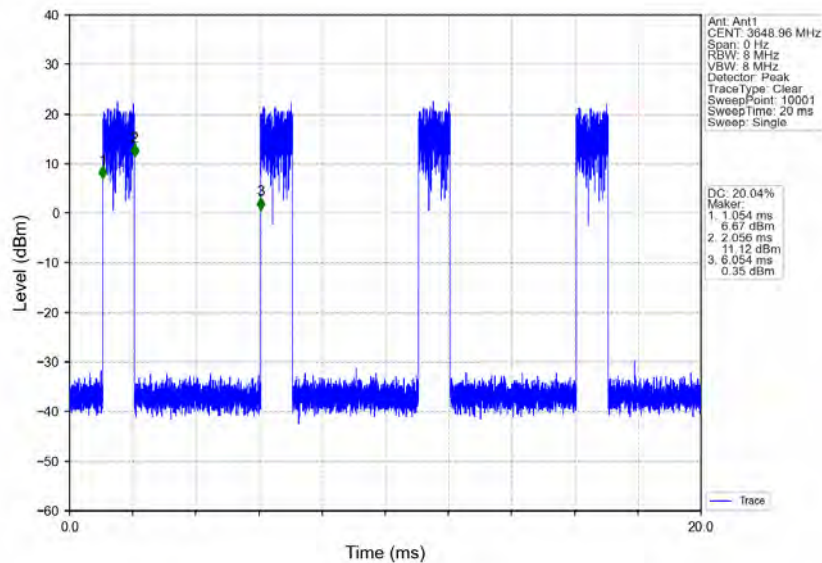
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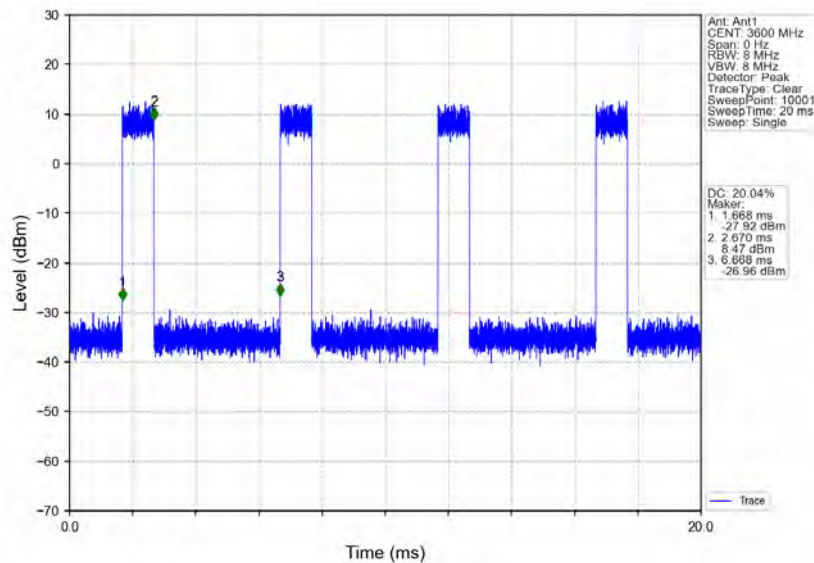
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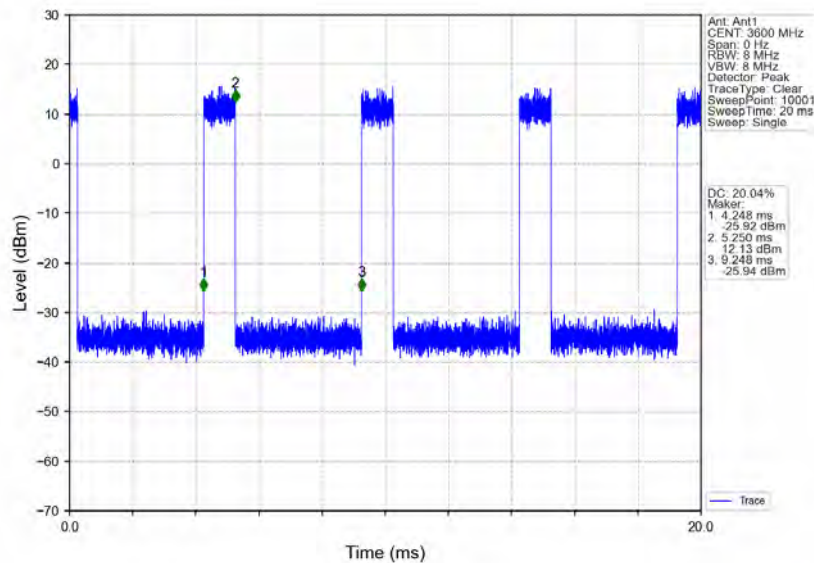
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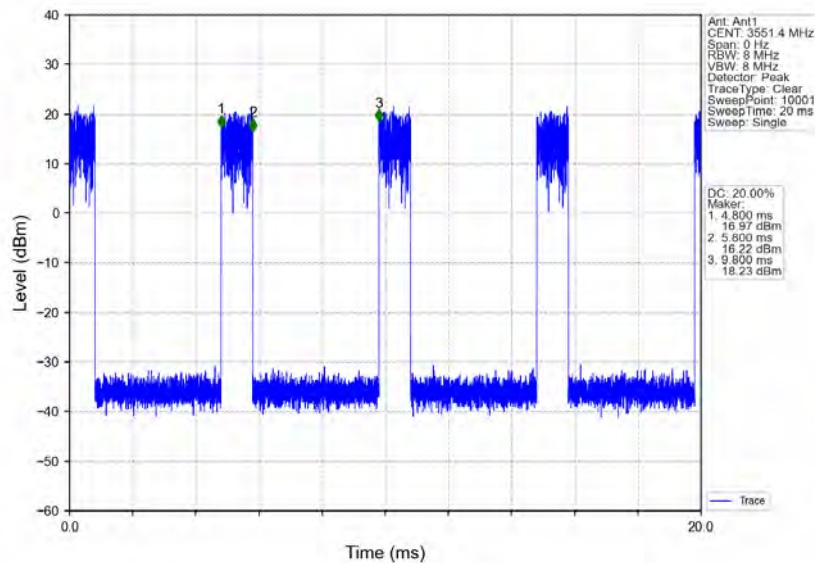
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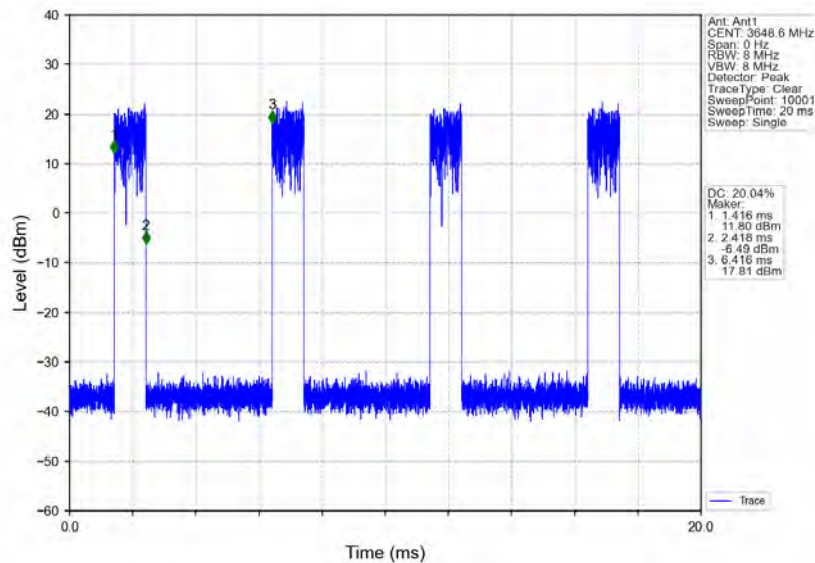
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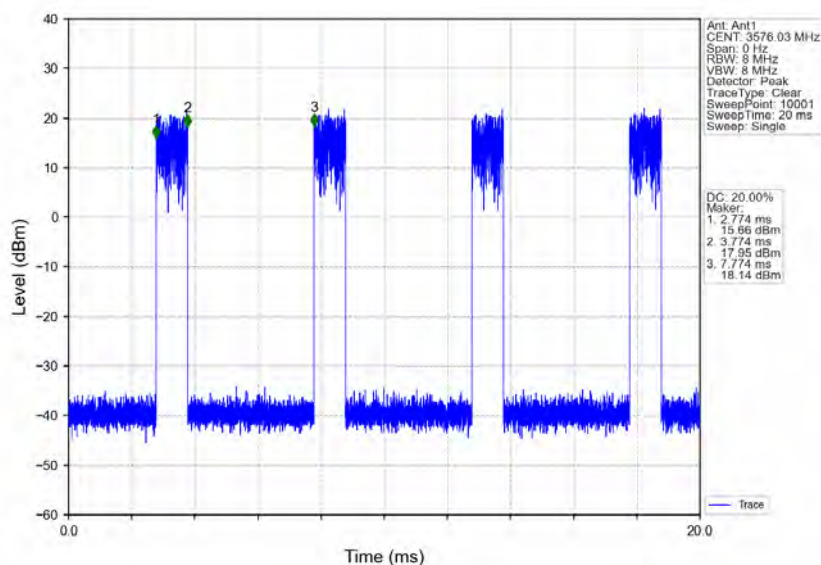
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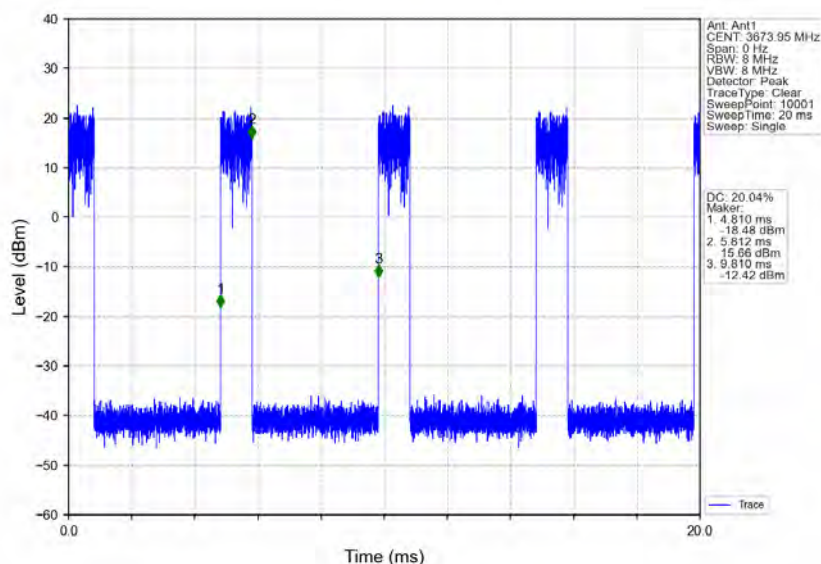
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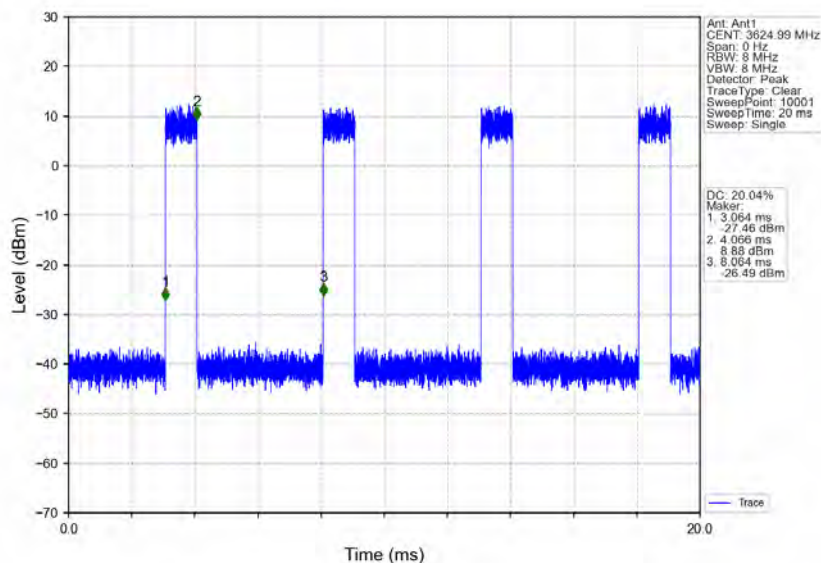
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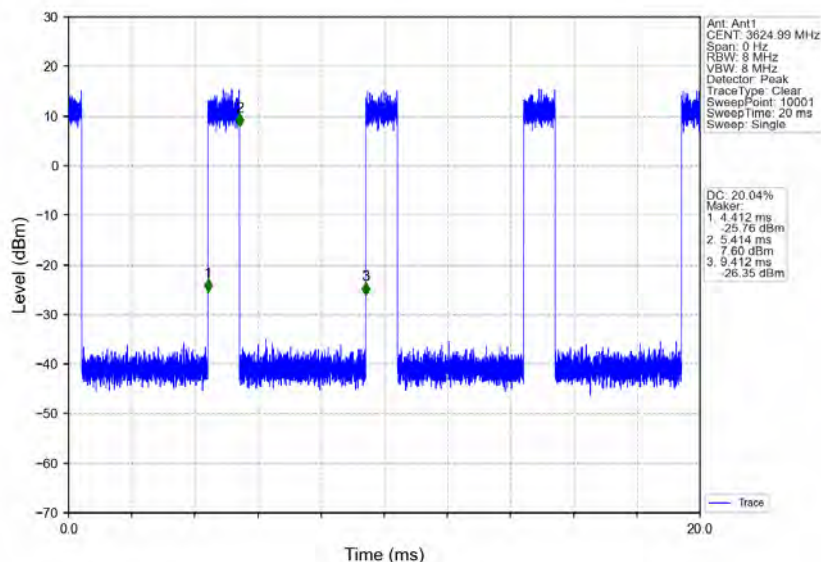
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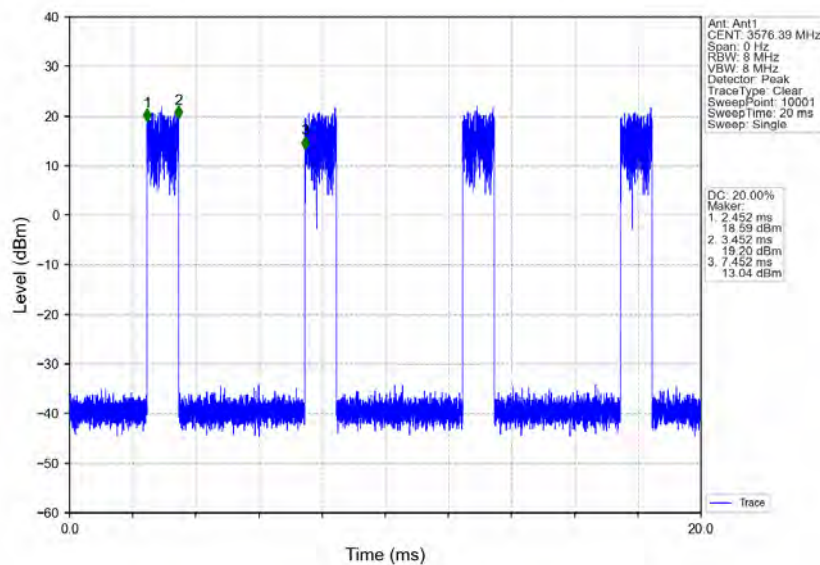
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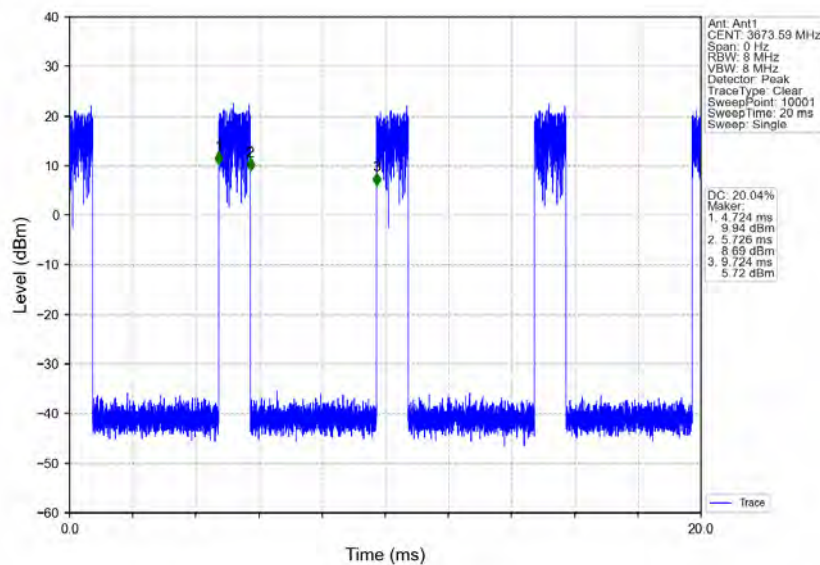
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n78d_30kHz_MIMO_NTNV_100MHz_CP-OFDM_256_QAM_3624.99MHz_Inner_1RB_Left



n78d_30kHz_MIMO_NTNV_100MHz_CP-OFDM_256_QAM_3624.99MHz_Inner_1RB_Right



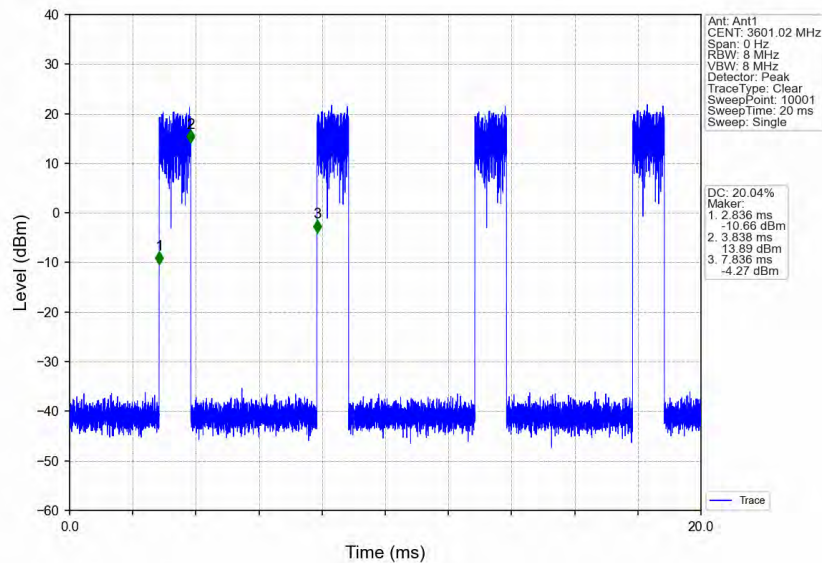
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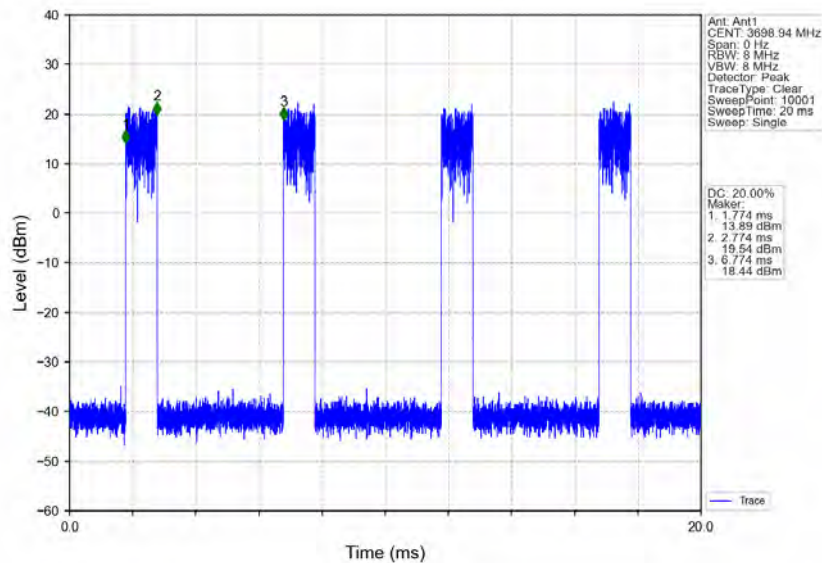
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n78d_30kHz_MIMO_NTNV_100MHz_CP-OFDM 256 QAM 3649.98MHz_Edge_1RB_Left



n78d_30kHz_MIMO_NTNV_100MHz_CP-OFDM 256 QAM 3649.98MHz_Edge_1RB_Right



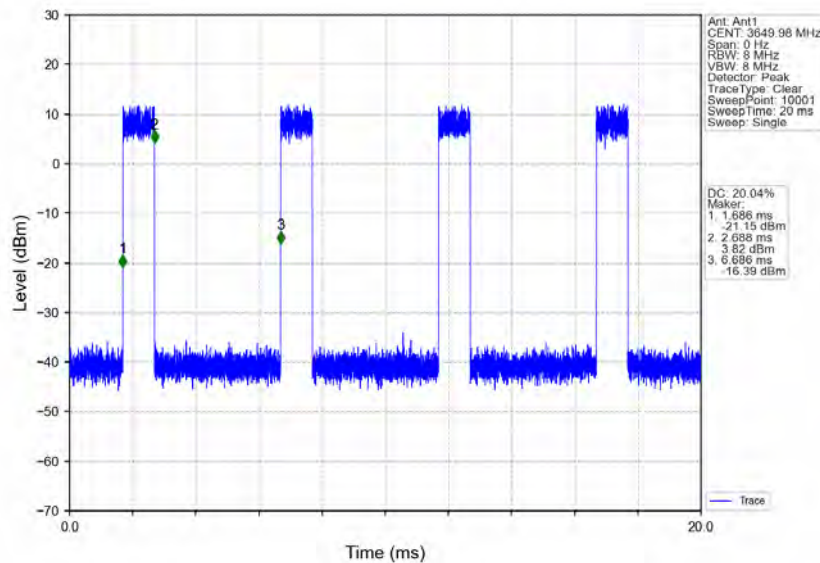
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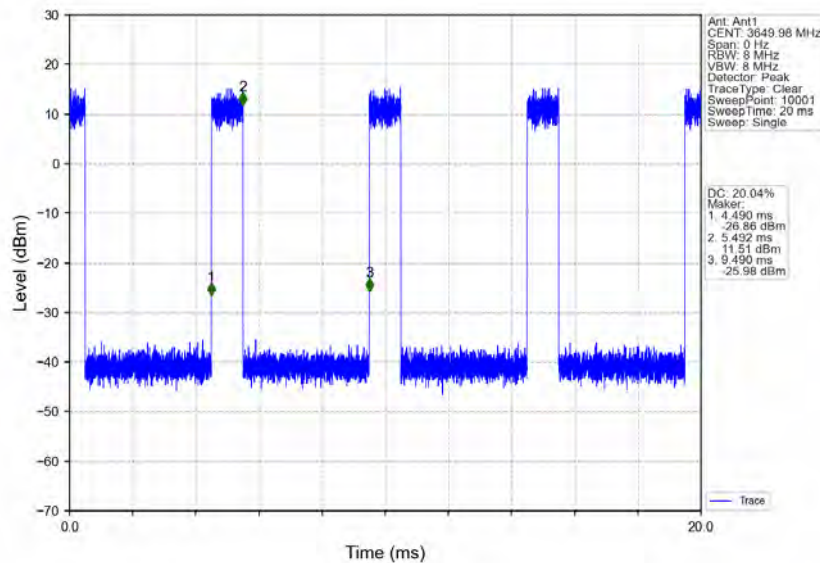
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n78d_30kHz_MIMO_NTNV_100MHz_CP-OFDM 256 QAM 3649.98MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_100MHz_CP-OFDM 256 QAM 3649.98MHz_Inner_Full



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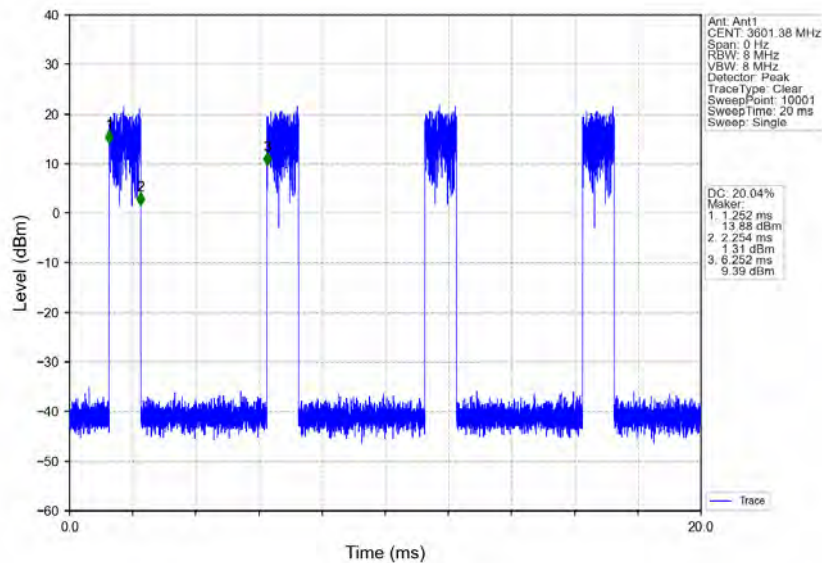
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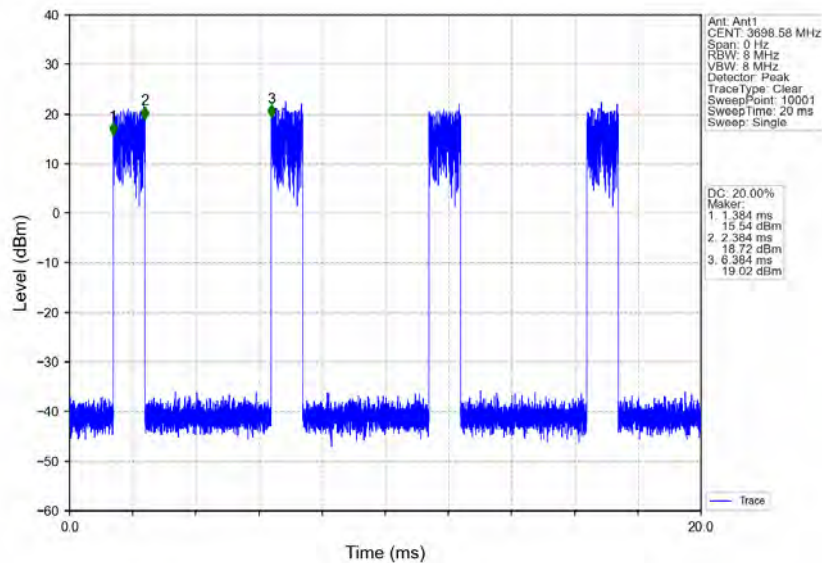
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n78d_30kHz_MIMO_NTNV_100MHz_CP-OFDM_256_QAM_3649.98MHz_Inner_1RB_Left



n78d_30kHz_MIMO_NTNV_100MHz_CP-OFDM_256_QAM_3649.98MHz_Inner_1RB_Right



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2. Effective (Isotropic) Radiated Power Output Data

2.1 30k_MIMO_10MHz_NTNV_EIRP

2.1.1 Test Result

5G NR n78d SCS=30kHz MIMO 10MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3555	Edge_1RB_Left	8.62	9.49	12.09	13.52	15.29	17.50	-	Pass
		Edge_1RB_Right	9.44	9.90	12.69	14.34	15.70	18.08	-	Pass
		Outer_Full	9.36	9.22	12.30	14.26	15.02	17.67	-	Pass
		Inner_Full	9.29	9.60	12.46	14.19	15.40	17.85	-	Pass
		Inner_1RB_Left	9.28	9.36	12.33	14.18	15.16	17.71	-	Pass
		Inner_1RB_Right	9.52	9.99	12.77	14.42	15.79	18.17	-	Pass
	3624.99	Edge_1RB_Left	8.69	9.82	12.30	13.59	15.62	17.73	-	Pass
		Edge_1RB_Right	9.10	8.87	12.00	14.00	14.67	17.36	-	Pass
		Outer_Full	8.24	7.88	11.07	13.14	13.68	16.43	-	Pass
		Inner_Full	7.92	9.14	11.58	12.82	14.94	17.02	-	Pass
		Inner_1RB_Left	8.56	8.88	11.73	13.46	14.68	17.12	-	Pass
		Inner_1RB_Right	8.34	9.46	11.95	13.24	15.26	17.38	-	Pass
	3694.98	Edge_1RB_Left	8.39	8.39	11.40	13.29	14.19	16.77	-	Pass
		Edge_1RB_Right	8.50	8.60	11.56	13.40	14.40	16.94	-	Pass
		Outer_Full	8.75	9.55	12.18	13.65	15.35	17.59	-	Pass
		Inner_Full	9.04	8.93	12.00	13.94	14.73	17.36	-	Pass
		Inner_1RB_Left	7.77	7.98	10.89	12.67	13.78	16.27	-	Pass
		Inner_1RB_Right	8.54	8.80	11.68	13.44	14.60	17.07	-	Pass
CP-OFDM 16 QAM	3555	Edge_1RB_Left	8.59	9.54	12.10	13.49	15.34	17.52	-	Pass
		Edge_1RB_Right	8.50	10.10	12.38	13.40	15.90	17.84	-	Pass
		Outer_Full	8.61	9.65	12.17	13.51	15.45	17.60	-	Pass
		Inner_Full	9.25	9.73	12.51	14.15	15.53	17.90	-	Pass
		Inner_1RB_Left	9.49	10.22	12.88	14.39	16.02	18.29	-	Pass
		Inner_1RB_Right	9.00	9.65	12.35	13.90	15.45	17.75	-	Pass
	3624.99	Edge_1RB_Left	8.88	9.71	12.33	13.78	15.51	17.74	-	Pass
		Edge_1RB_Right	8.76	8.15	11.48	13.66	13.95	16.82	-	Pass
		Outer_Full	8.69	8.77	11.74	13.59	14.57	17.12	-	Pass
		Inner_Full	8.31	8.99	11.67	13.21	14.79	17.08	-	Pass
		Inner_1RB_Left	7.88	9.18	11.59	12.78	14.98	17.03	-	Pass
		Inner_1RB_Right	7.94	9.15	11.60	12.84	14.95	17.03	-	Pass
	3694.98	Edge_1RB_Left	8.03	9.08	11.60	12.93	14.88	17.02	-	Pass
		Edge_1RB_Right	8.12	9.46	11.85	13.02	15.26	17.29	-	Pass
		Outer_Full	7.82	9.09	11.51	12.72	14.89	16.95	-	Pass
		Inner_Full	8.35	8.95	11.67	13.25	14.75	17.07	-	Pass
		Inner_1RB_Left	8.55	9.32	11.96	13.45	15.12	17.38	-	Pass
		Inner_1RB_Right	8.54	9.56	12.09	13.44	15.36	17.52	-	Pass
CP-OFDM 64 QAM	3555	Edge_1RB_Left	8.68	9.57	12.16	13.58	15.37	17.58	-	Pass
		Edge_1RB_Right	9.22	9.78	12.52	14.12	15.58	17.92	-	Pass
		Outer_Full	8.67	9.10	11.90	13.57	14.90	17.30	-	Pass



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CP-OFDM 256 QAM		Inner_Full	9.31	9.83	12.59	14.21	15.63	17.99	-	Pass
		Inner_1RB_Left	8.82	10.45	12.72	13.72	16.25	18.18	-	Pass
		Inner_1RB_Right	8.74	9.85	12.34	13.64	15.65	17.77	-	Pass
	3624.99	Edge_1RB_Left	8.29	8.86	11.59	13.19	14.66	17.00	-	Pass
		Edge_1RB_Right	8.14	8.64	11.41	13.04	14.44	16.81	-	Pass
		Outer_Full	8.54	8.49	11.53	13.44	14.29	16.90	-	Pass
		Inner_Full	8.30	8.98	11.66	13.20	14.78	17.07	-	Pass
		Inner_1RB_Left	8.35	9.18	11.80	13.25	14.98	17.21	-	Pass
		Inner_1RB_Right	7.58	7.76	10.68	12.48	13.56	16.06	-	Pass
		Edge_1RB_Left	7.52	8.51	11.05	12.42	14.31	16.48	-	Pass
	3694.98	Edge_1RB_Right	8.29	9.31	11.84	13.19	15.11	17.27	-	Pass
		Outer_Full	8.41	9.36	11.92	13.31	15.16	17.34	-	Pass
		Inner_Full	8.59	9.20	11.92	13.49	15.00	17.32	-	Pass
		Inner_1RB_Left	7.90	8.42	11.18	12.80	14.22	16.58	-	Pass
		Inner_1RB_Right	8.25	8.52	11.40	13.15	14.32	16.78	-	Pass
	3555	Edge_1RB_Left	9.36	9.67	12.53	14.26	15.47	17.92	-	Pass
		Edge_1RB_Right	9.08	9.71	12.42	13.98	15.51	17.82	-	Pass
		Outer_Full	9.45	9.46	12.47	14.35	15.26	17.84	-	Pass
		Inner_Full	9.16	9.91	12.56	14.06	15.71	17.97	-	Pass
		Inner_1RB_Left	8.78	9.19	12.00	13.68	14.99	17.39	-	Pass
		Inner_1RB_Right	9.13	9.55	12.36	14.03	15.35	17.75	-	Pass
	3624.99	Edge_1RB_Left	8.20	8.66	11.45	13.10	14.46	16.84	-	Pass
		Edge_1RB_Right	7.32	8.78	11.12	12.22	14.58	16.57	-	Pass
		Outer_Full	8.70	9.41	12.08	13.60	15.21	17.49	-	Pass
		Inner_Full	7.84	9.25	11.61	12.74	15.05	17.06	-	Pass
		Inner_1RB_Left	8.45	9.21	11.86	13.35	15.01	17.27	-	Pass
		Inner_1RB_Right	8.80	8.25	11.54	13.70	14.05	16.89	-	Pass
	3694.98	Edge_1RB_Left	8.47	9.85	12.22	13.37	15.65	17.67	-	Pass
		Edge_1RB_Right	8.37	9.02	11.72	13.27	14.82	17.12	-	Pass
		Outer_Full	8.43	8.45	11.45	13.33	14.25	16.82	-	Pass
		Inner_Full	8.21	8.95	11.61	13.11	14.75	17.02	-	Pass
		Inner_1RB_Left	8.53	9.33	11.96	13.43	15.13	17.37	-	Pass
		Inner_1RB_Right	8.57	8.92	11.76	13.47	14.72	17.15	-	Pass

Note1: Antenna Gain: Ant1: 4.90dBi; Ant2: 5.80dBi;
Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2

2.2 30k_MIMO_10MHz_NTNV_EIRP/10MHz

2.2.1 Test Result

5G NR n78d SCS=30kHz MIMO 10MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm/10MHz)			EIRP(dBm/10MHz)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3555	Edge_1RB_Left	8.62	9.49	12.09	13.52	15.29	17.50	<=30	Pass
		Edge_1RB_Right	9.44	9.90	12.69	14.34	15.70	18.08	<=30	Pass
		Outer_Full	9.36	9.22	12.30	14.26	15.02	17.67	<=30	Pass
		Inner_Full	9.29	9.60	12.46	14.19	15.40	17.85	<=30	Pass



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CP-OFDM 16 QAM	3624.99	Inner 1RB Left	9.28	9.36	12.33	14.18	15.16	17.71	<=30	Pass
		Inner 1RB Right	9.52	9.99	12.77	14.42	15.79	18.17	<=30	Pass
		Edge 1RB Left	8.69	9.82	12.30	13.59	15.62	17.73	<=30	Pass
		Edge 1RB Right	9.10	8.87	12.00	14.00	14.67	17.36	<=30	Pass
	3694.98	Outer Full	8.24	7.88	11.07	13.14	13.68	16.43	<=30	Pass
		Inner Full	7.92	9.14	11.58	12.82	14.94	17.02	<=30	Pass
		Inner 1RB Left	8.56	8.88	11.73	13.46	14.68	17.12	<=30	Pass
		Inner 1RB Right	8.34	9.46	11.95	13.24	15.26	17.38	<=30	Pass
	3555	Edge 1RB Left	8.39	8.39	11.40	13.29	14.19	16.77	<=30	Pass
		Edge 1RB Right	8.50	8.60	11.56	13.40	14.40	16.94	<=30	Pass
		Outer Full	8.75	9.55	12.18	13.65	15.35	17.59	<=30	Pass
		Inner Full	9.04	8.93	12.00	13.94	14.73	17.36	<=30	Pass
	3624.99	Inner 1RB Left	7.77	7.98	10.89	12.67	13.78	16.27	<=30	Pass
		Inner 1RB Right	8.54	8.80	11.68	13.44	14.60	17.07	<=30	Pass
	3694.98	Edge 1RB Left	8.59	9.54	12.10	13.49	15.34	17.52	<=30	Pass
		Edge 1RB Right	8.50	10.10	12.38	13.40	15.90	17.84	<=30	Pass
		Outer Full	8.61	9.65	12.17	13.51	15.45	17.60	<=30	Pass
		Inner Full	9.25	9.73	12.51	14.15	15.53	17.90	<=30	Pass
CP-OFDM 64 QAM	3624.99	Inner 1RB Left	9.49	10.22	12.88	14.39	16.02	18.29	<=30	Pass
		Inner 1RB Right	9.00	9.65	12.35	13.90	15.45	17.75	<=30	Pass
		Edge 1RB Left	8.88	9.71	12.33	13.78	15.51	17.74	<=30	Pass
		Edge 1RB Right	8.76	8.15	11.48	13.66	13.95	16.82	<=30	Pass
	3694.98	Outer Full	8.69	8.77	11.74	13.59	14.57	17.12	<=30	Pass
		Inner Full	8.31	8.99	11.67	13.21	14.79	17.08	<=30	Pass
		Inner 1RB Left	7.88	9.18	11.59	12.78	14.98	17.03	<=30	Pass
		Inner 1RB Right	7.94	9.15	11.60	12.84	14.95	17.03	<=30	Pass
	3555	Edge 1RB Left	8.03	9.08	11.60	12.93	14.88	17.02	<=30	Pass
		Edge 1RB Right	8.12	9.46	11.85	13.02	15.26	17.29	<=30	Pass
		Outer Full	7.82	9.09	11.51	12.72	14.89	16.95	<=30	Pass
		Inner Full	8.35	8.95	11.67	13.25	14.75	17.07	<=30	Pass
	3624.99	Inner 1RB Left	8.55	9.32	11.96	13.45	15.12	17.38	<=30	Pass
		Inner 1RB Right	8.54	9.56	12.09	13.44	15.36	17.52	<=30	Pass
	3694.98	Edge 1RB Left	8.68	9.57	12.16	13.58	15.37	17.58	<=30	Pass
		Edge 1RB Right	9.22	9.78	12.52	14.12	15.58	17.92	<=30	Pass
CP-OFDM 256 QAM	3624.99	Outer Full	8.67	9.10	11.90	13.57	14.90	17.30	<=30	Pass
		Inner Full	9.31	9.83	12.59	14.21	15.63	17.99	<=30	Pass
		Inner 1RB Left	8.82	10.45	12.72	13.72	16.25	18.18	<=30	Pass
		Inner 1RB Right	8.74	9.85	12.34	13.64	15.65	17.77	<=30	Pass
	3694.98	Edge 1RB Left	8.29	8.86	11.59	13.19	14.66	17.00	<=30	Pass
		Edge 1RB Right	8.14	8.64	11.41	13.04	14.44	16.81	<=30	Pass
		Outer Full	8.54	8.49	11.53	13.44	14.29	16.90	<=30	Pass
		Inner Full	8.30	8.98	11.66	13.20	14.78	17.07	<=30	Pass
	3555	Inner 1RB Left	8.35	9.18	11.80	13.25	14.98	17.21	<=30	Pass
		Inner 1RB Right	7.58	7.76	10.68	12.48	13.56	16.06	<=30	Pass
	3624.99	Edge 1RB Left	7.52	8.51	11.05	12.42	14.31	16.48	<=30	Pass
		Edge 1RB Right	8.29	9.31	11.84	13.19	15.11	17.27	<=30	Pass
		Outer Full	8.41	9.36	11.92	13.31	15.16	17.34	<=30	Pass
		Inner Full	8.59	9.20	11.92	13.49	15.00	17.32	<=30	Pass
	3694.98	Inner 1RB Left	7.90	8.42	11.18	12.80	14.22	16.58	<=30	Pass
		Inner 1RB Right	8.25	8.52	11.40	13.15	14.32	16.78	<=30	Pass
	3555	Edge 1RB Left	9.36	9.67	12.53	14.26	15.47	17.92	<=30	Pass
		Edge 1RB Right	9.08	9.71	12.42	13.98	15.51	17.82	<=30	Pass
		Outer Full	9.45	9.46	12.47	14.35	15.26	17.84	<=30	Pass
		Inner Full	9.16	9.91	12.56	14.06	15.71	17.97	<=30	Pass

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		Inner_1RB_Left	8.78	9.19	12.00	13.68	14.99	17.39	<=30	Pass
		Inner_1RB_Right	9.13	9.55	12.36	14.03	15.35	17.75	<=30	Pass
	3624.99	Edge_1RB_Left	8.20	8.66	11.45	13.10	14.46	16.84	<=30	Pass
		Edge_1RB_Right	7.32	8.78	11.12	12.22	14.58	16.57	<=30	Pass
		Outer_Full	8.70	9.41	12.08	13.60	15.21	17.49	<=30	Pass
		Inner_Full	7.84	9.25	11.61	12.74	15.05	17.06	<=30	Pass
		Inner_1RB_Left	8.45	9.21	11.86	13.35	15.01	17.27	<=30	Pass
		Inner_1RB_Right	8.80	8.25	11.54	13.70	14.05	16.89	<=30	Pass
	3694.98	Edge_1RB_Left	8.47	9.85	12.22	13.37	15.65	17.67	<=30	Pass
		Edge_1RB_Right	8.37	9.02	11.72	13.27	14.82	17.12	<=30	Pass
		Outer_Full	8.43	8.45	11.45	13.33	14.25	16.82	<=30	Pass
		Inner_Full	8.21	8.95	11.61	13.11	14.75	17.02	<=30	Pass
		Inner_1RB_Left	8.53	9.33	11.96	13.43	15.13	17.37	<=30	Pass
		Inner_1RB_Right	8.57	8.92	11.76	13.47	14.72	17.15	<=30	Pass
Note1: Antenna Gain: Ant1: 4.90dBi; Ant2: 5.80dBi; Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2										

2.3 30k_MIMO_10MHz_NTNV_PSD

2.3.1 Test Result

5G NR n78d SCS=30kHz MIMO 10MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted PSD(dBm/MHz)			E.I.R.PSD(dBm/MHz)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3555	Edge 1RB Left	8.62	9.49	12.93	13.52	15.29	18.73	<=20	Pass
		Edge 1RB Right	9.44	9.90	13.51	14.34	15.70	19.31	<=20	Pass
		Outer Full	9.36	9.22	4.28	14.26	15.02	10.08	<=20	Pass
		Inner Full	9.29	9.60	6.56	14.19	15.40	12.36	<=20	Pass
		Inner 1RB Left	9.28	9.36	12.72	14.18	15.16	18.52	<=20	Pass
		Inner 1RB Right	9.52	9.99	12.82	14.42	15.79	18.62	<=20	Pass
	3624.99	Edge 1RB Left	8.69	9.82	12.10	13.59	15.62	17.90	<=20	Pass
		Edge 1RB Right	9.10	8.87	12.66	14.00	14.67	18.46	<=20	Pass
		Outer Full	8.24	7.88	3.16	13.14	13.68	8.96	<=20	Pass
		Inner Full	7.92	9.14	6.34	12.82	14.94	12.14	<=20	Pass
		Inner 1RB Left	8.56	8.88	11.94	13.46	14.68	17.74	<=20	Pass
		Inner 1RB Right	8.34	9.46	11.86	13.24	15.26	17.66	<=20	Pass
	3694.98	Edge 1RB Left	8.39	8.39	11.65	13.29	14.19	17.45	<=20	Pass
		Edge 1RB Right	8.50	8.60	11.78	13.40	14.40	17.58	<=20	Pass
		Outer Full	8.75	9.55	3.83	13.65	15.35	9.63	<=20	Pass
		Inner Full	9.04	8.93	6.59	13.94	14.73	12.39	<=20	Pass
		Inner 1RB Left	7.77	7.98	12.24	12.67	13.78	18.04	<=20	Pass
		Inner 1RB Right	8.54	8.80	12.38	13.44	14.60	18.18	<=20	Pass
CP-OFDM 16 QAM	3555	Edge 1RB Left	8.59	9.54	13.01	13.49	15.34	18.81	<=20	Pass
		Edge 1RB Right	8.50	10.10	12.42	13.40	15.90	18.22	<=20	Pass
		Outer Full	8.61	9.65	3.94	13.51	15.45	9.74	<=20	Pass
		Inner Full	9.25	9.73	7.28	14.15	15.53	13.08	<=20	Pass
		Inner 1RB Left	9.49	10.22	12.67	14.39	16.02	18.47	<=20	Pass
		Inner 1RB Right	9.00	9.65	12.48	13.90	15.45	18.28	<=20	Pass
	3624.99	Edge 1RB Left	8.88	9.71	12.52	13.78	15.51	18.32	<=20	Pass
		Edge 1RB Right	8.76	8.15	12.02	13.66	13.95	17.82	<=20	Pass
		Outer Full	8.69	8.77	3.37	13.59	14.57	9.17	<=20	Pass



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		Inner_Full	8.31	8.99	6.51	13.21	14.79	12.31	<=20	Pass
		Inner_1RB_Left	7.88	9.18	12.05	12.78	14.98	17.85	<=20	Pass
		Inner_1RB_Right	7.94	9.15	11.74	12.84	14.95	17.54	<=20	Pass
	3694.98	Edge_1RB_Left	8.03	9.08	11.98	12.93	14.88	17.78	<=20	Pass
		Edge_1RB_Right	8.12	9.46	12.02	13.02	15.26	17.82	<=20	Pass
		Outer_Full	7.82	9.09	3.61	12.72	14.89	9.41	<=20	Pass
		Inner_Full	8.35	8.95	6.12	13.25	14.75	11.92	<=20	Pass
		Inner_1RB_Left	8.55	9.32	11.64	13.45	15.12	17.44	<=20	Pass
		Inner_1RB_Right	8.54	9.56	12.23	13.44	15.36	18.03	<=20	Pass
		Edge_1RB_Left	8.68	9.57	12.43	13.58	15.37	18.23	<=20	Pass
CP-OFDM 64 QAM	3555	Edge_1RB_Right	9.22	9.78	12.69	14.12	15.58	18.49	<=20	Pass
		Outer_Full	8.67	9.10	4.07	13.57	14.90	9.87	<=20	Pass
		Inner_Full	9.31	9.83	7.54	14.21	15.63	13.34	<=20	Pass
		Inner_1RB_Left	8.82	10.45	12.17	13.72	16.25	17.97	<=20	Pass
		Inner_1RB_Right	8.74	9.85	12.34	13.64	15.65	18.14	<=20	Pass
		Edge_1RB_Left	8.29	8.86	12.32	13.19	14.66	18.12	<=20	Pass
	3624.99	Edge_1RB_Right	8.14	8.64	11.87	13.04	14.44	17.67	<=20	Pass
		Outer_Full	8.54	8.49	3.17	13.44	14.29	8.97	<=20	Pass
		Inner_Full	8.30	8.98	6.49	13.20	14.78	12.29	<=20	Pass
		Inner_1RB_Left	8.35	9.18	11.70	13.25	14.98	17.50	<=20	Pass
		Inner_1RB_Right	7.58	7.76	11.57	12.48	13.56	17.37	<=20	Pass
		Edge_1RB_Left	7.52	8.51	11.46	12.42	14.31	17.26	<=20	Pass
	3694.98	Edge_1RB_Right	8.29	9.31	11.97	13.19	15.11	17.77	<=20	Pass
		Outer_Full	8.41	9.36	3.47	13.31	15.16	9.27	<=20	Pass
		Inner_Full	8.59	9.20	6.48	13.49	15.00	12.28	<=20	Pass
		Inner_1RB_Left	7.90	8.42	12.28	12.80	14.22	18.08	<=20	Pass
		Inner_1RB_Right	8.25	8.52	11.43	13.15	14.32	17.23	<=20	Pass
		Edge_1RB_Left	9.36	9.67	12.55	14.26	15.47	18.35	<=20	Pass
CP-OFDM 256 QAM	3555	Edge_1RB_Right	9.08	9.71	12.60	13.98	15.51	18.40	<=20	Pass
		Outer_Full	9.45	9.46	4.19	14.35	15.26	9.99	<=20	Pass
		Inner_Full	9.16	9.91	7.01	14.06	15.71	12.81	<=20	Pass
		Inner_1RB_Left	8.78	9.19	12.95	13.68	14.99	18.75	<=20	Pass
		Inner_1RB_Right	9.13	9.55	13.51	14.03	15.35	19.31	<=20	Pass
		Edge_1RB_Left	8.20	8.66	12.45	13.10	14.46	18.25	<=20	Pass
	3624.99	Edge_1RB_Right	7.32	8.78	12.51	12.22	14.58	18.31	<=20	Pass
		Outer_Full	8.70	9.41	3.23	13.60	15.21	9.03	<=20	Pass
		Inner_Full	7.84	9.25	6.41	12.74	15.05	12.21	<=20	Pass
		Inner_1RB_Left	8.45	9.21	12.23	13.35	15.01	18.03	<=20	Pass
		Inner_1RB_Right	8.80	8.25	12.03	13.70	14.05	17.83	<=20	Pass
		Edge_1RB_Left	8.47	9.85	11.91	13.37	15.65	17.71	<=20	Pass
	3694.98	Edge_1RB_Right	8.37	9.02	12.13	13.27	14.82	17.93	<=20	Pass
		Outer_Full	8.43	8.45	3.30	13.33	14.25	9.10	<=20	Pass
		Inner_Full	8.21	8.95	5.73	13.11	14.75	11.53	<=20	Pass
		Inner_1RB_Left	8.53	9.33	12.27	13.43	15.13	18.07	<=20	Pass
		Inner_1RB_Right	8.57	8.92	12.02	13.47	14.72	17.82	<=20	Pass
		Edge_1RB_Left	9.36	9.67	12.55	14.26	15.47	18.35	<=20	Pass

Note1: Antenna Gain: Ant1: 4.90dBi; Ant2: 5.80dBi;

Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2



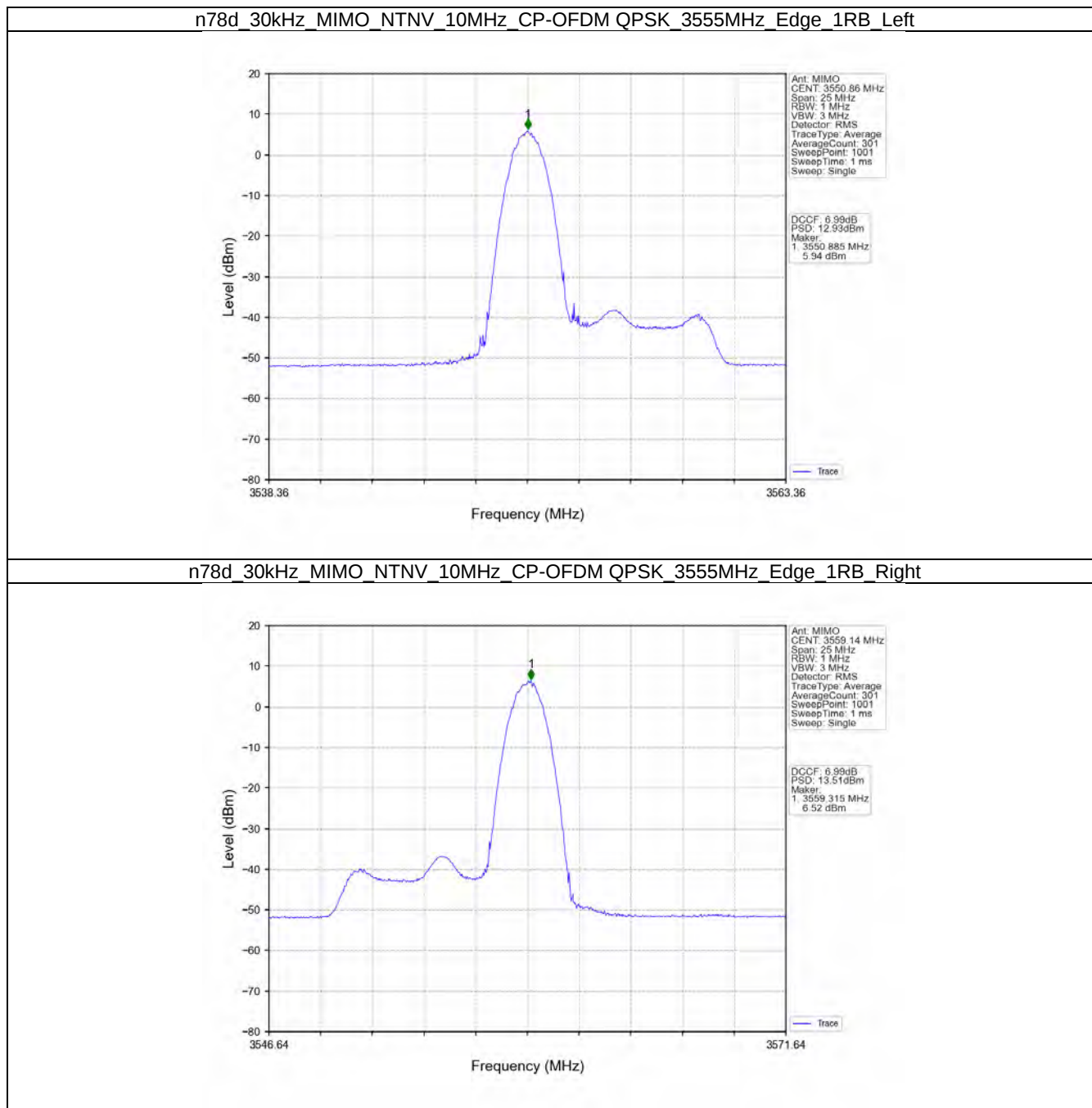
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2.3.2 Test Graph



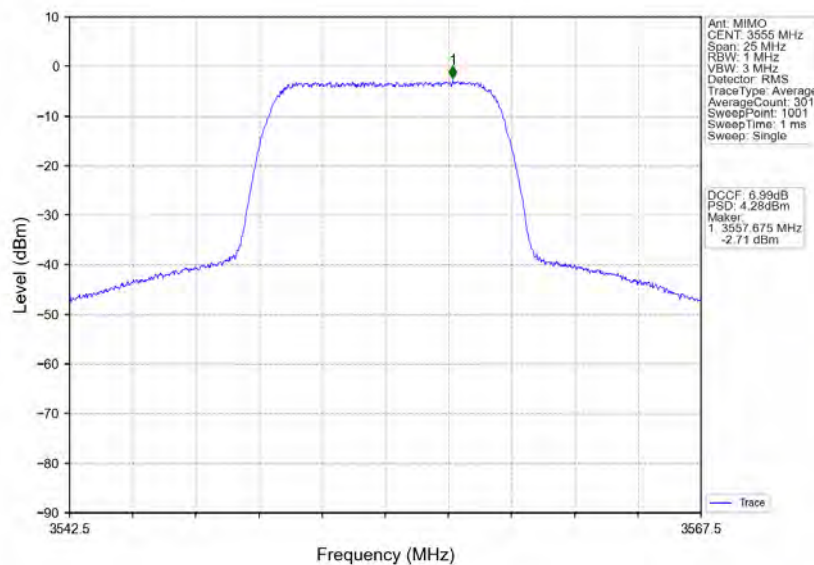
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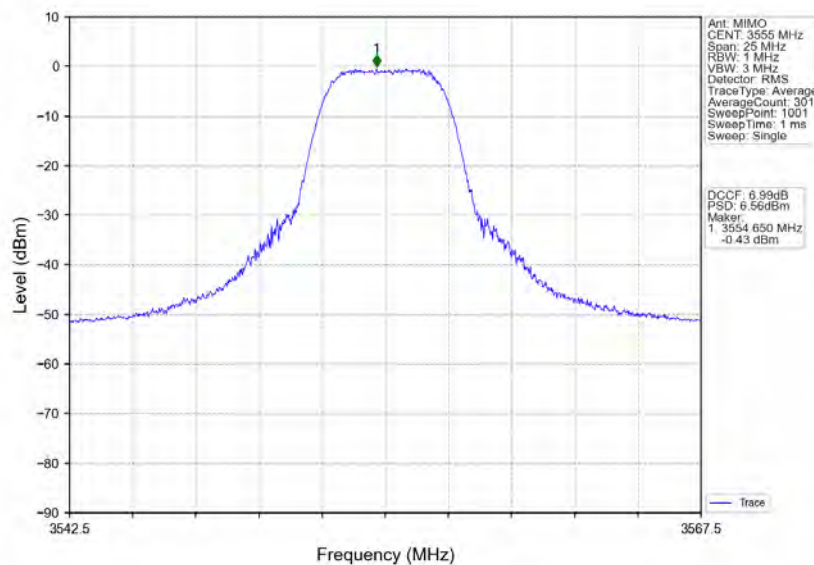
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n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM_QPSK_3555MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM_QPSK_3555MHz_Inner_Full



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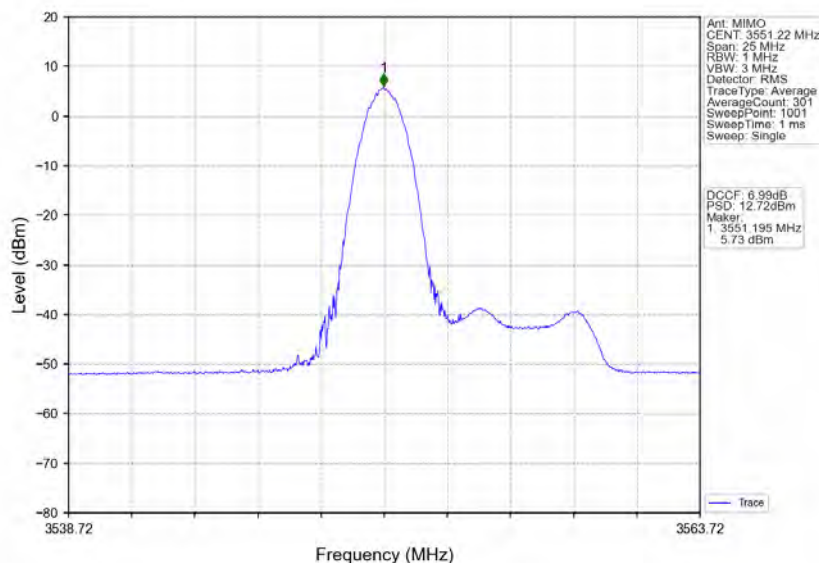
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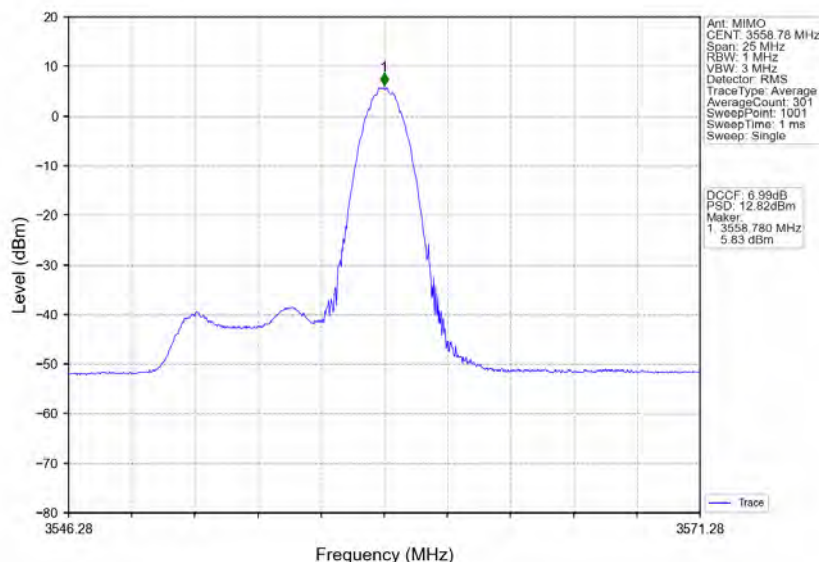
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n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM QPSK_3555MHz_Inner_1RB_Left



n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM QPSK_3555MHz_Inner_1RB_Right



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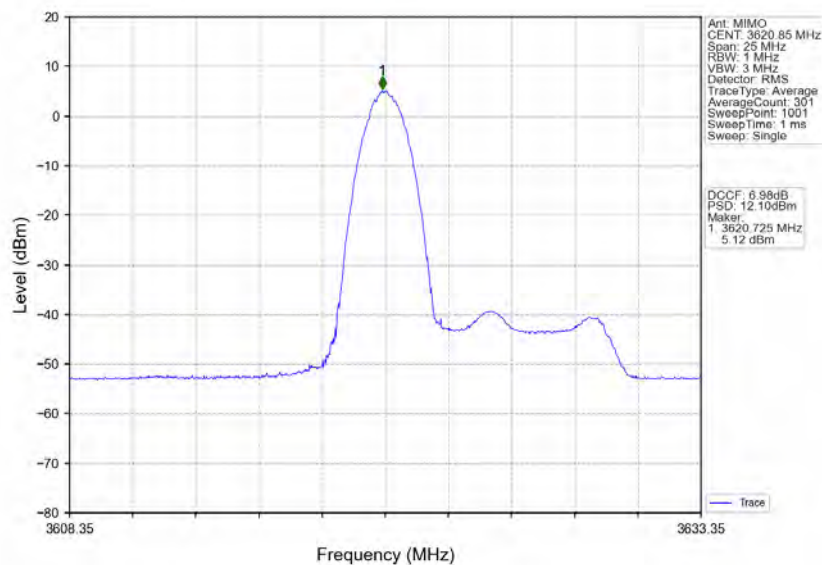
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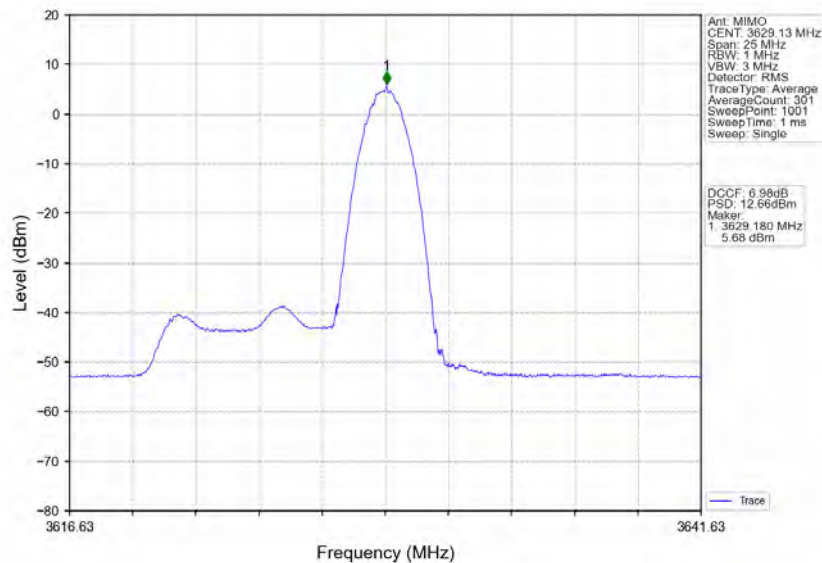
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n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM QPSK_3624.99MHz_Edge_1RB_Left



n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM QPSK_3624.99MHz_Edge_1RB_Right



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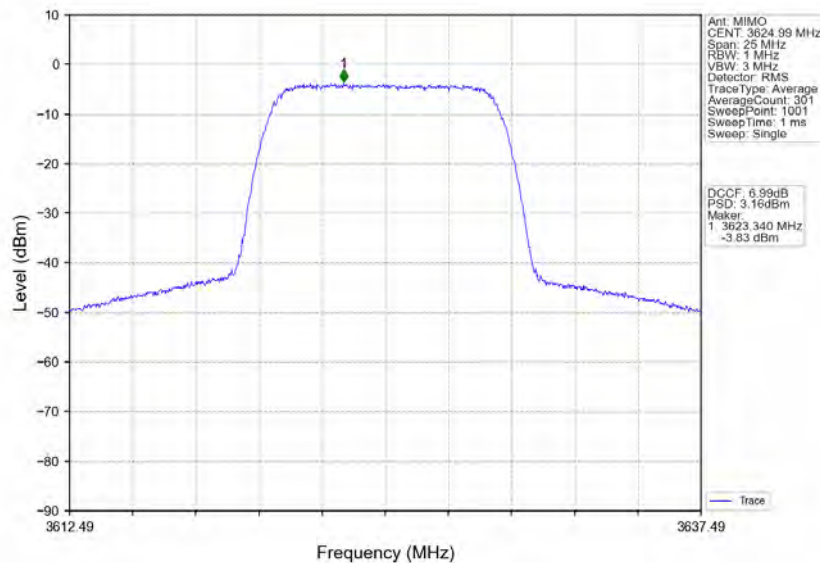
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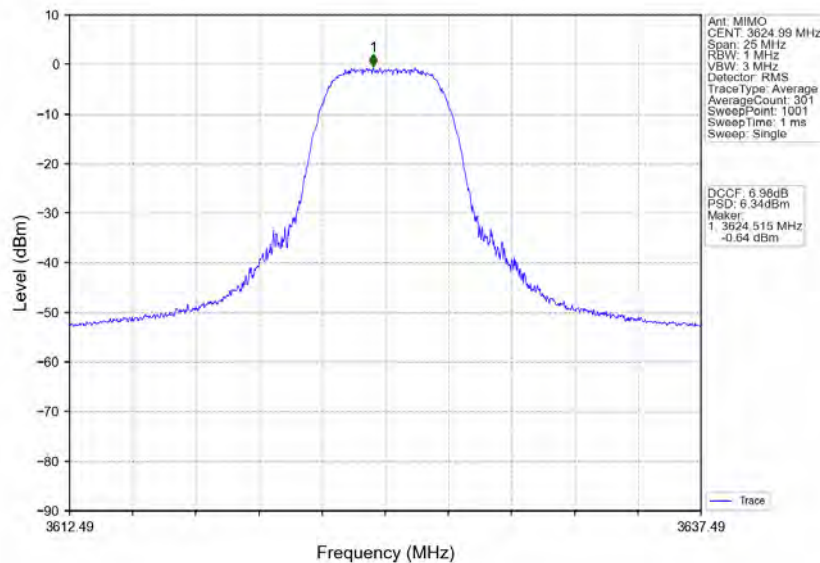
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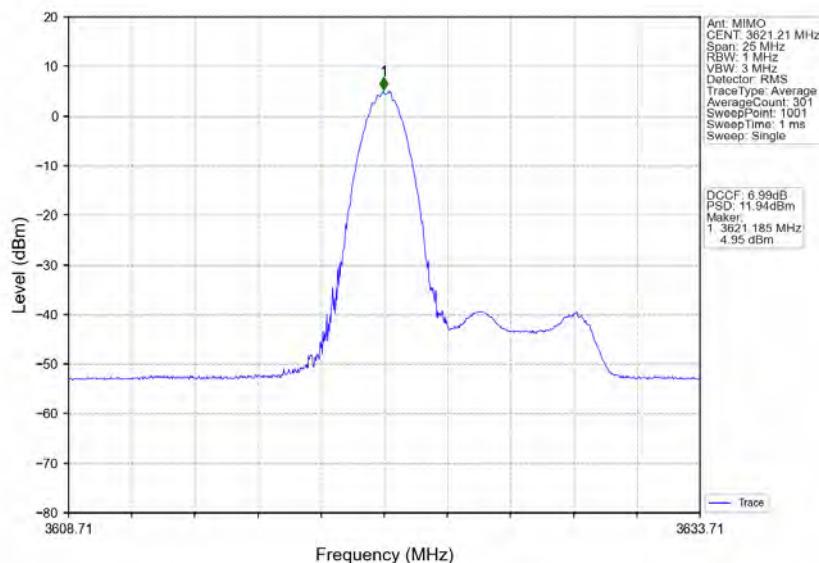
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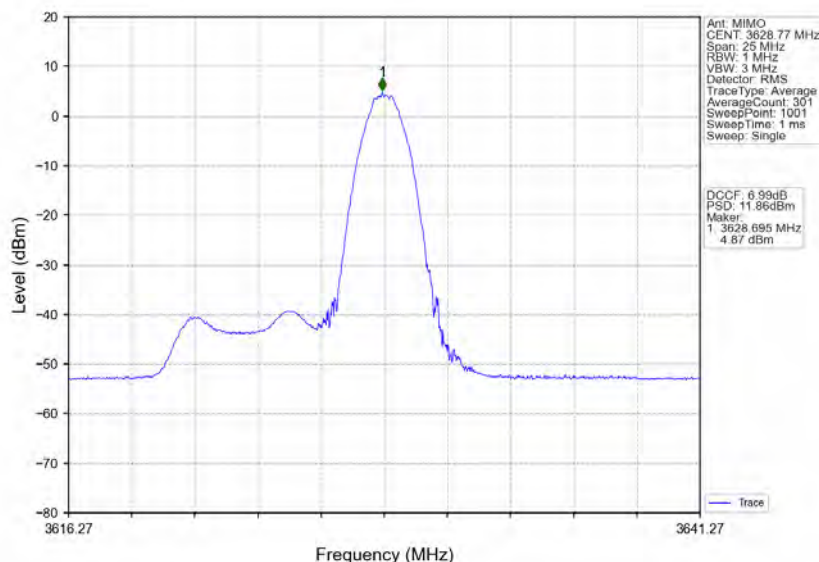
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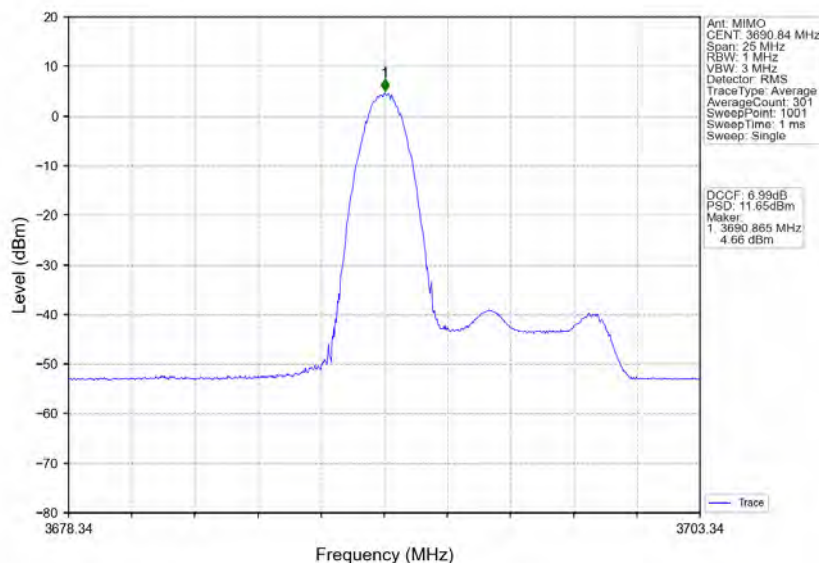
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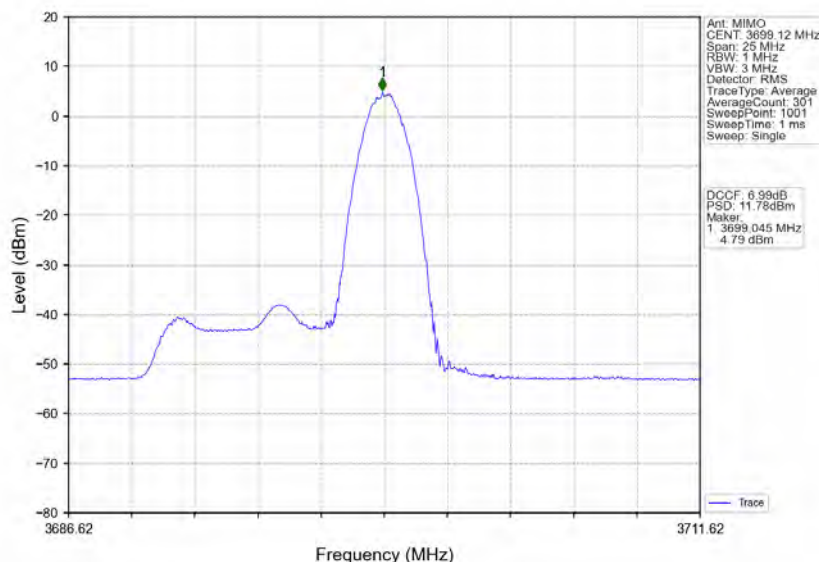
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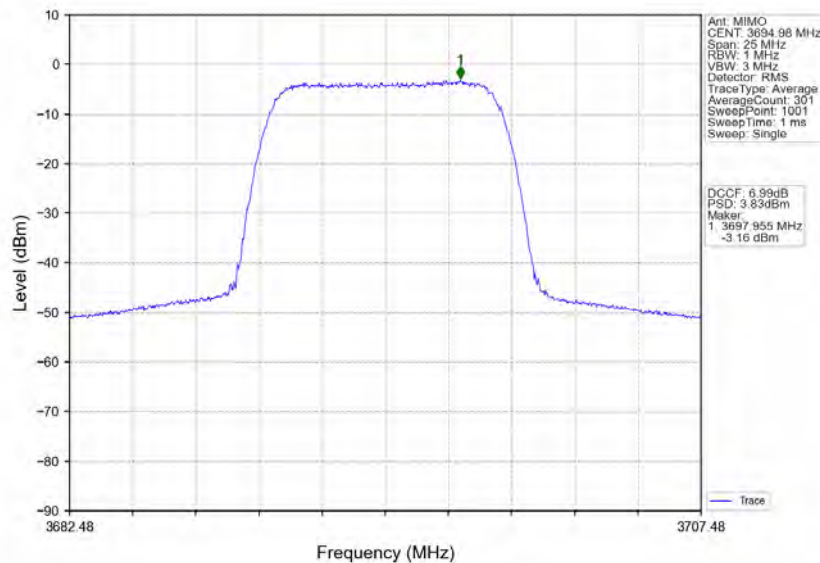
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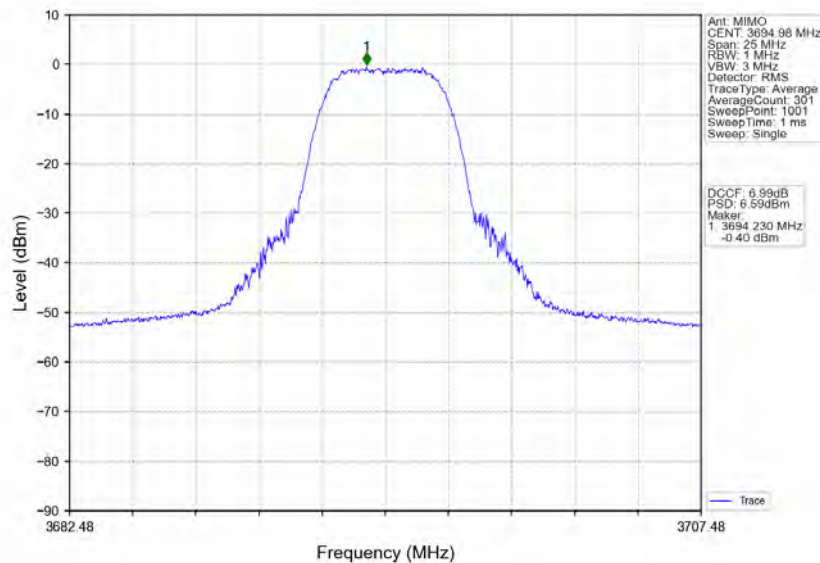
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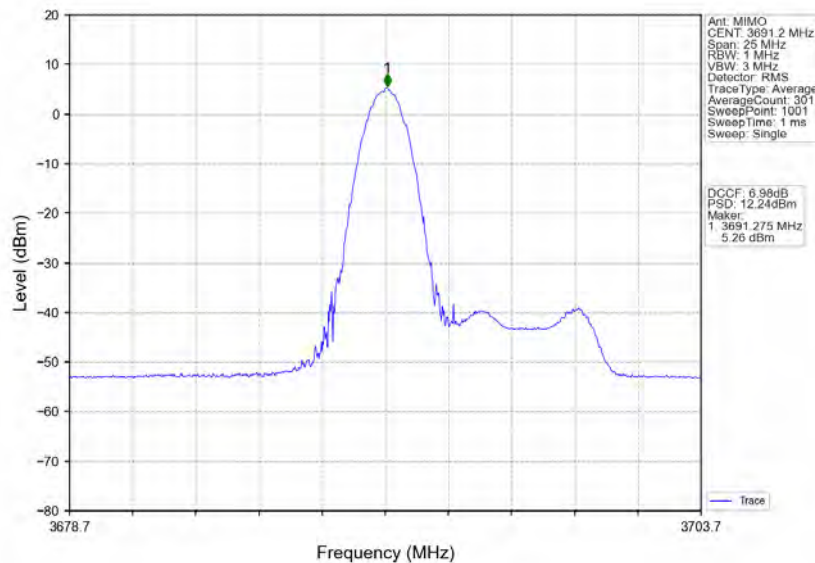
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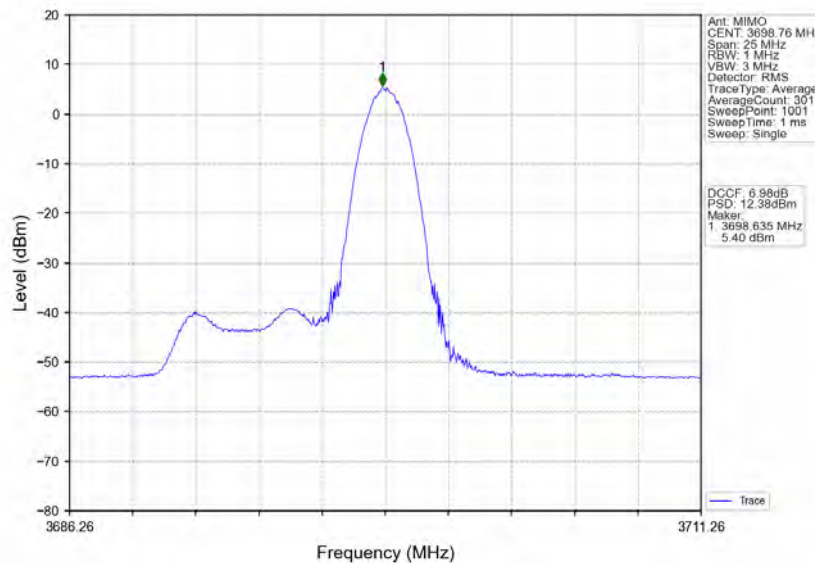
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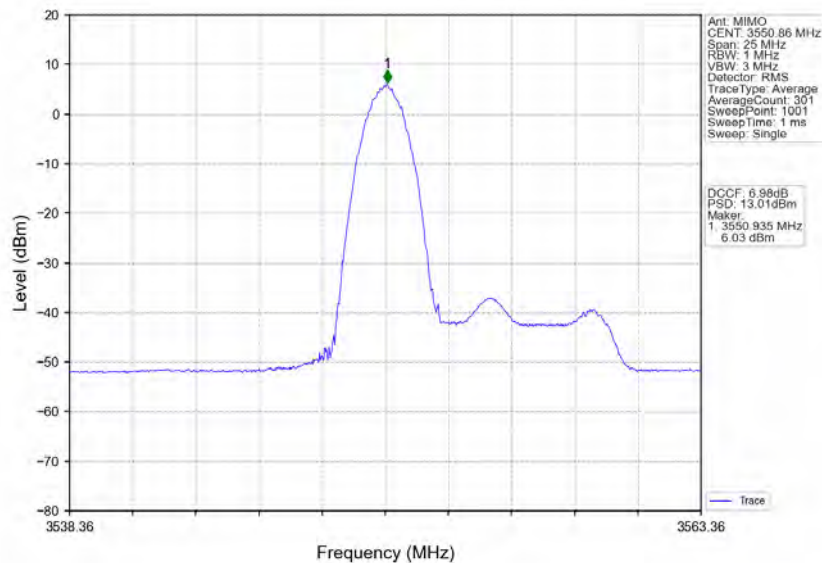
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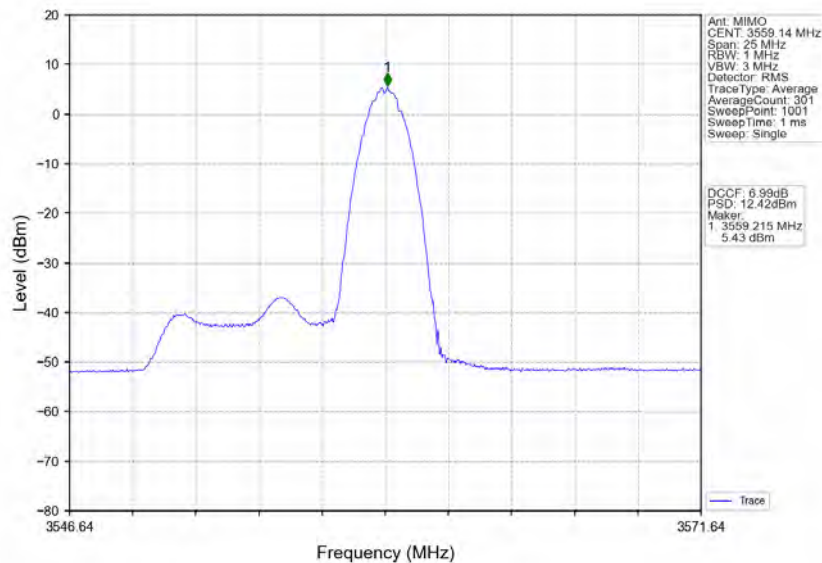
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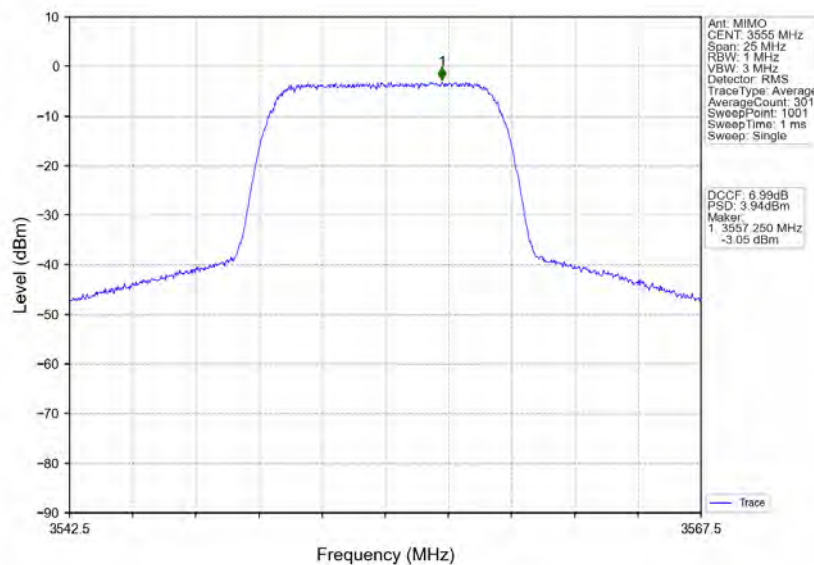
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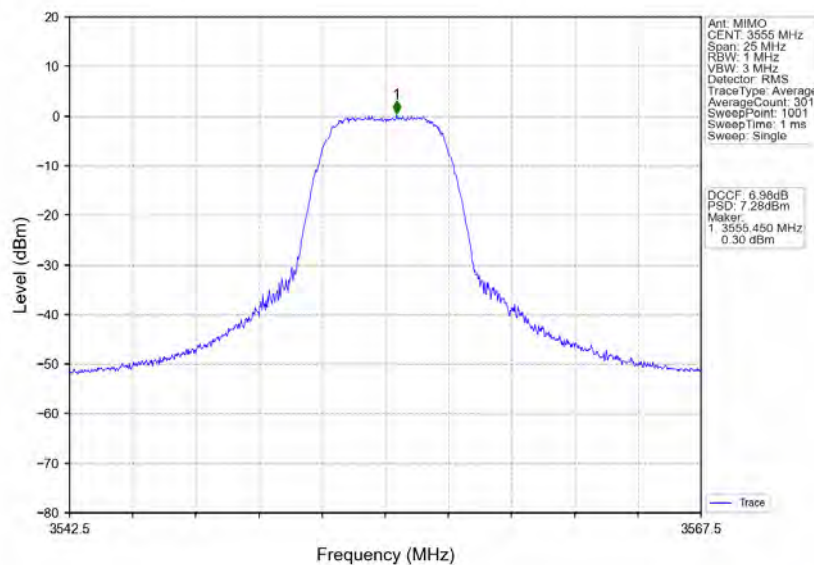
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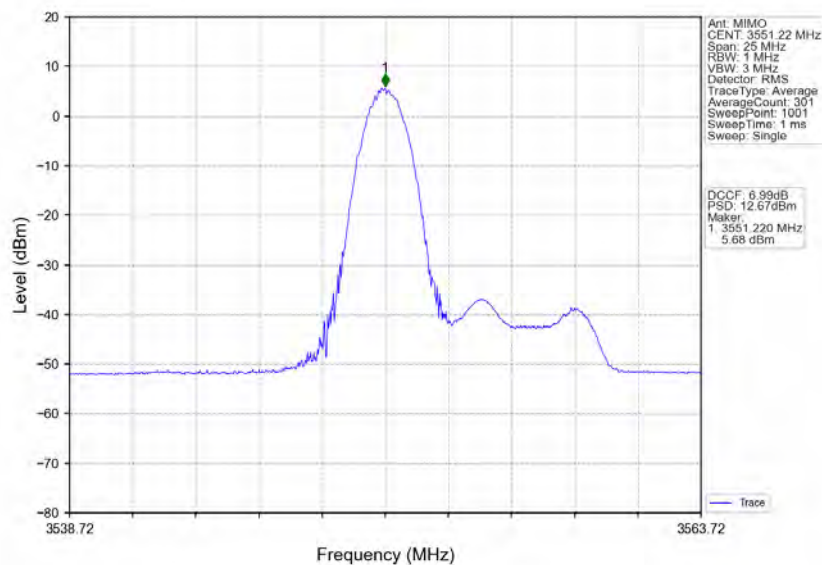
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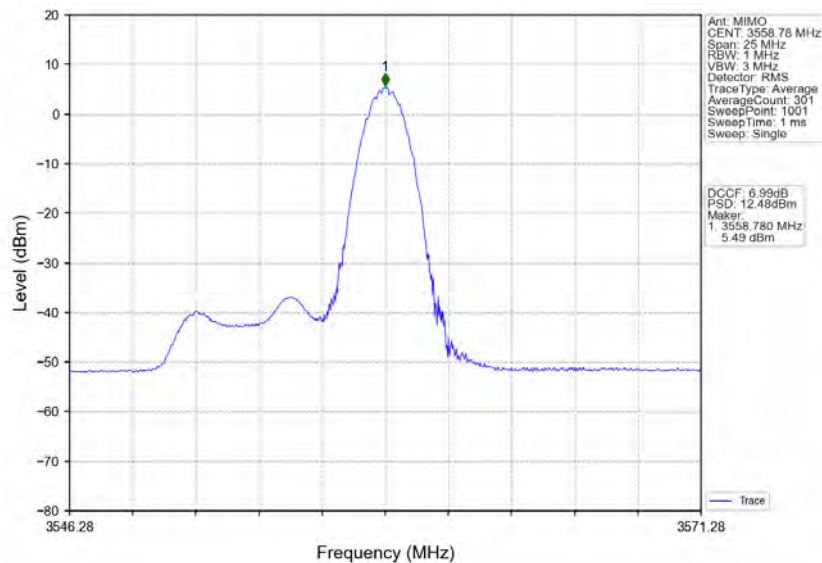
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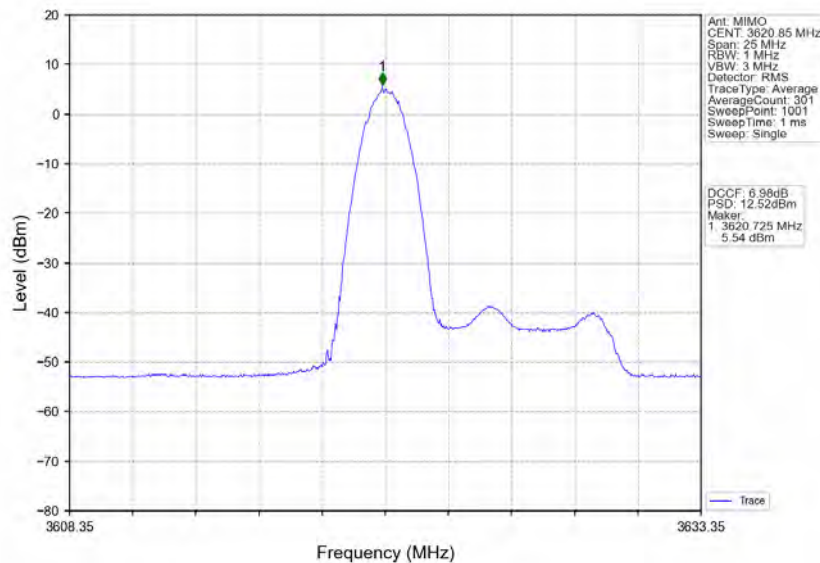
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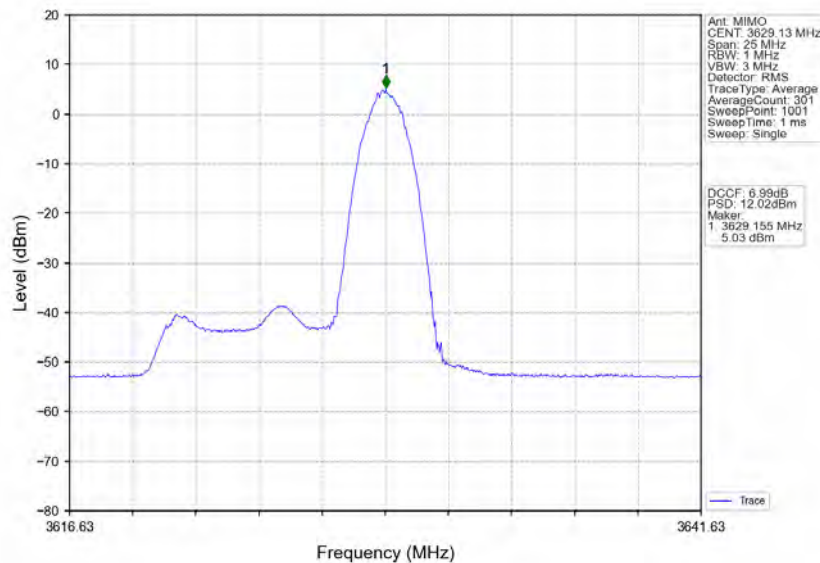
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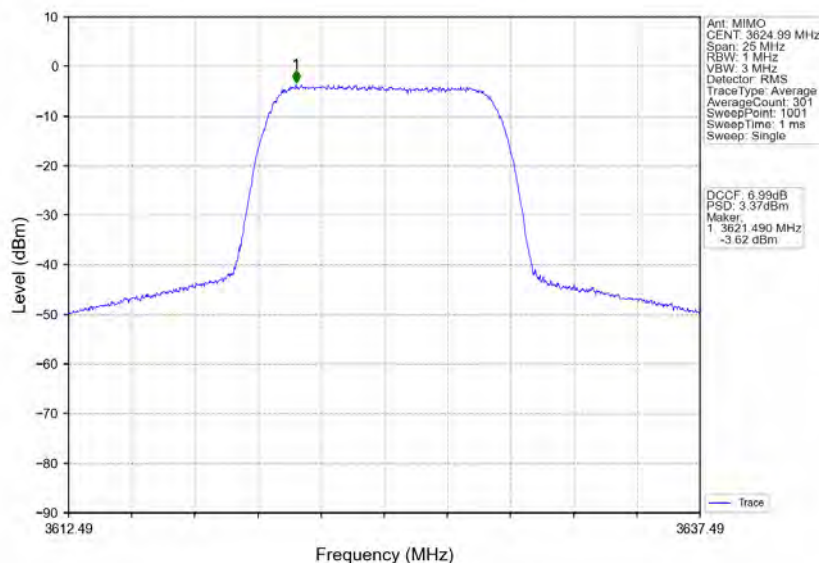
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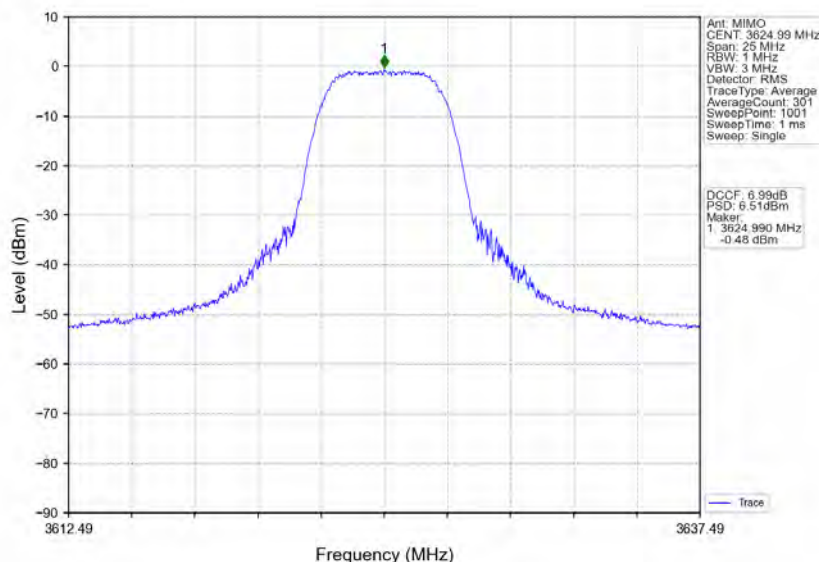
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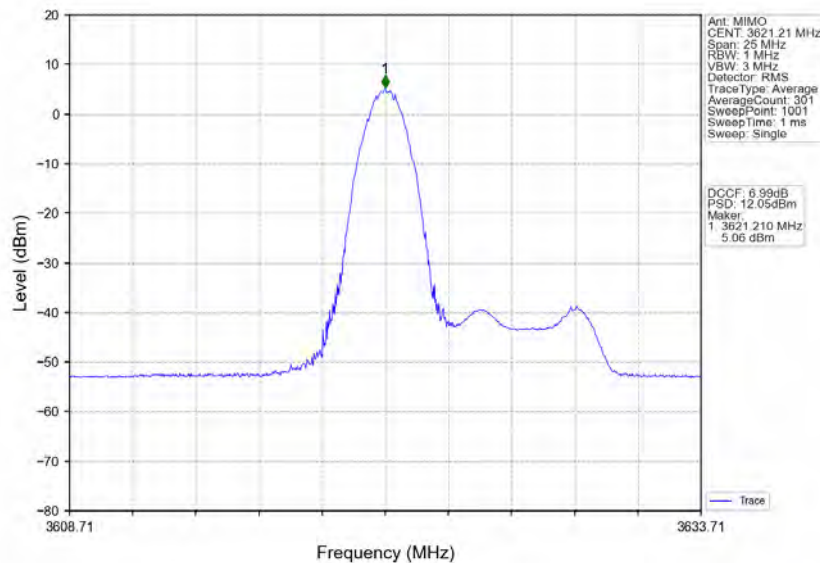
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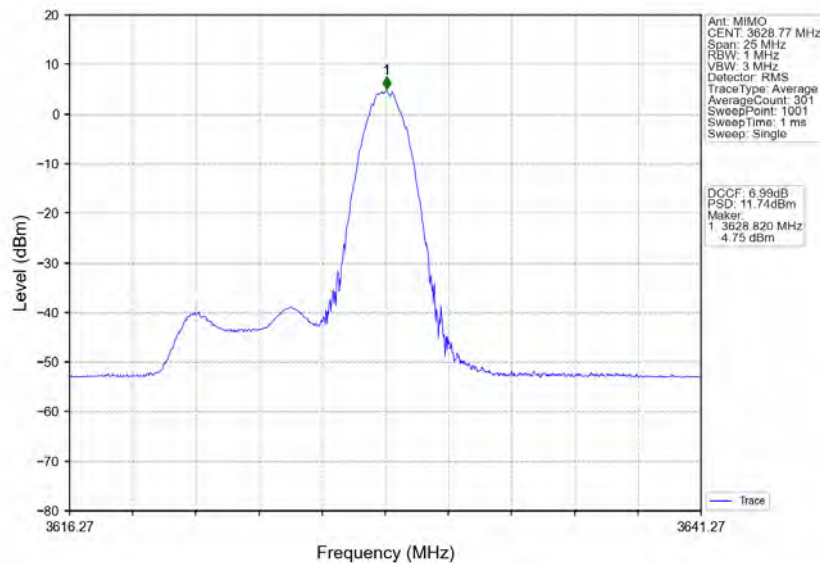
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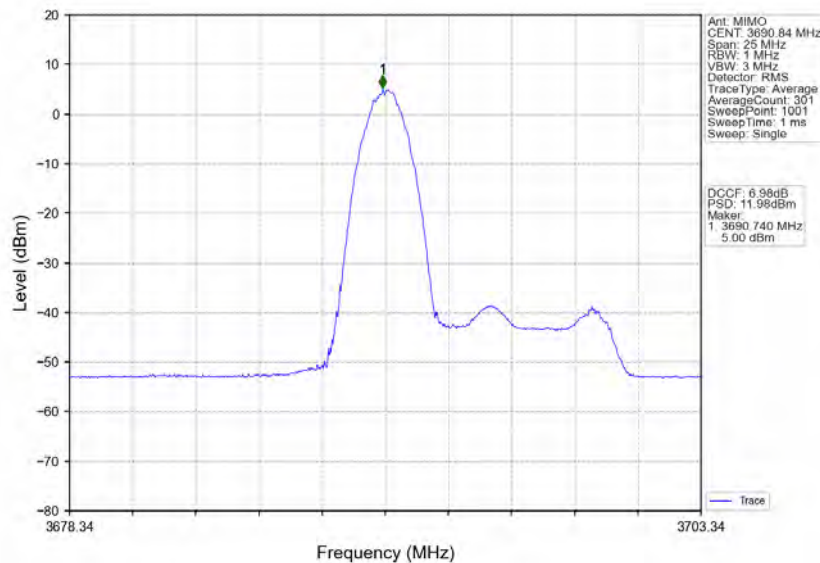
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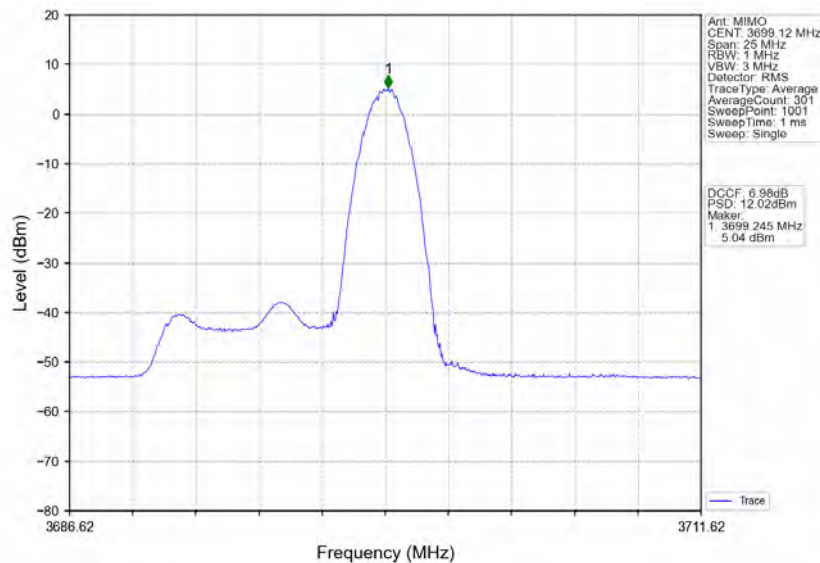
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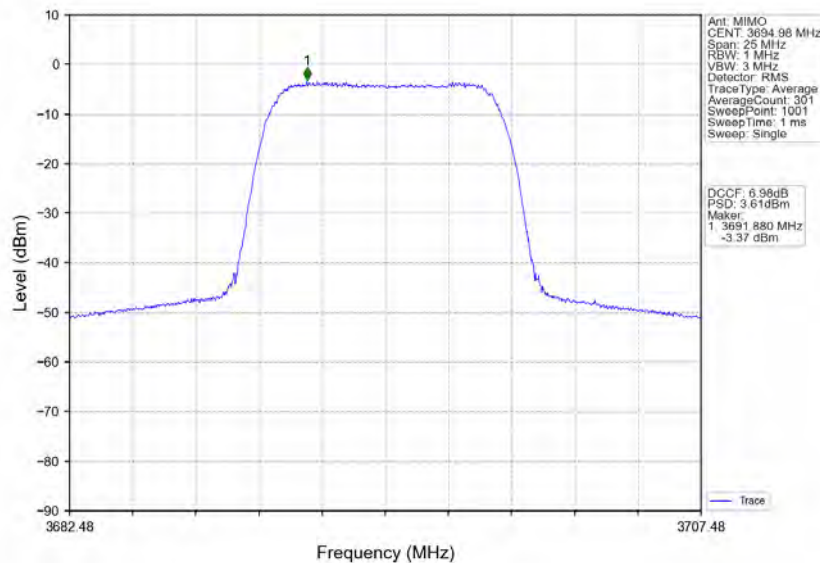
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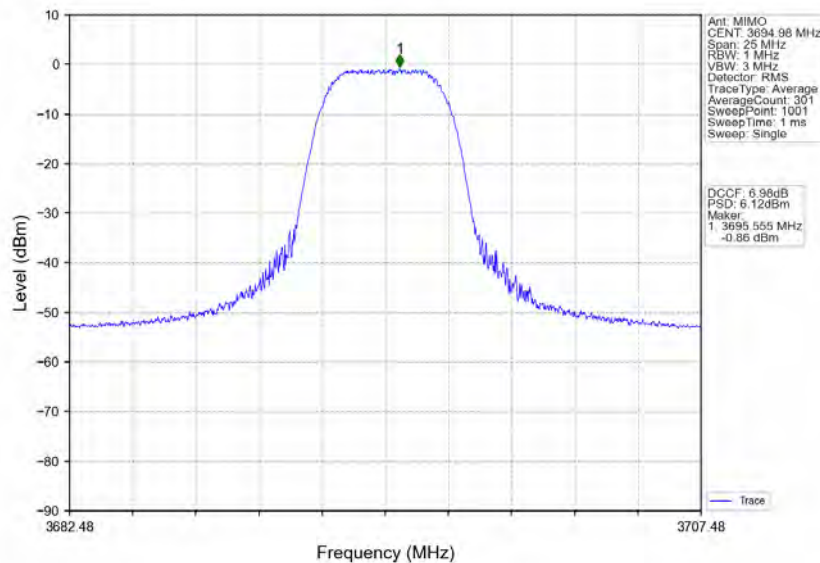
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n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM_16_QAM_3694.98MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM_16_QAM_3694.98MHz_Inner_Full



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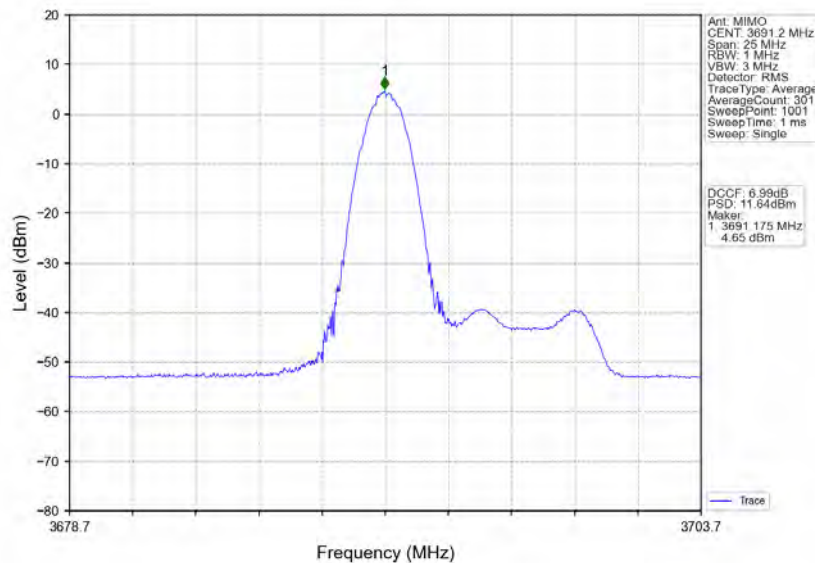
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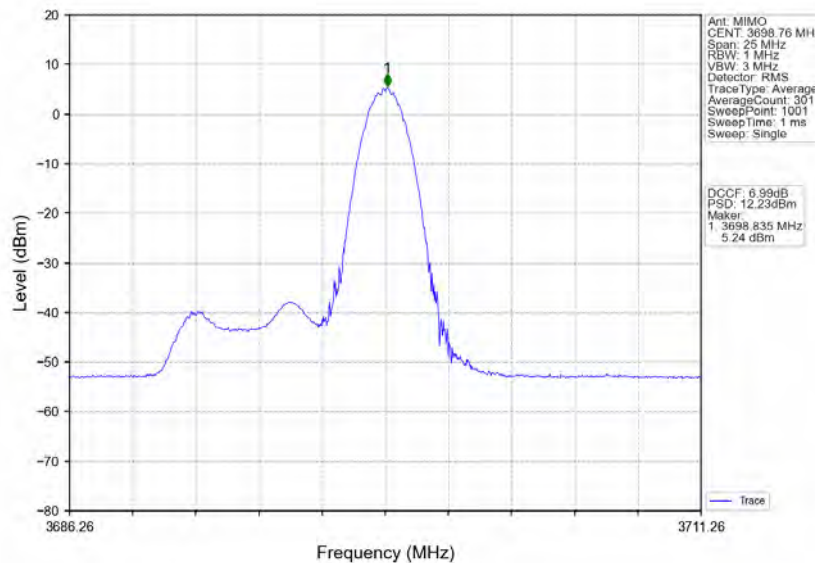
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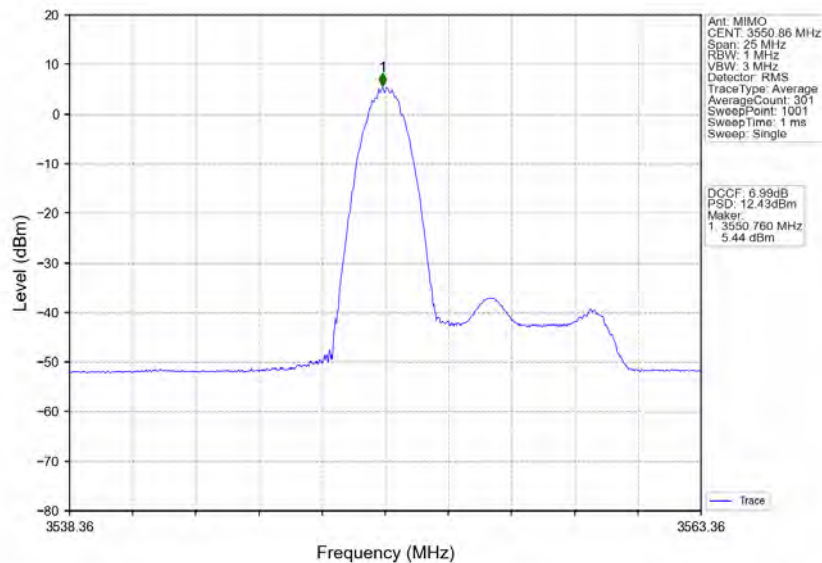
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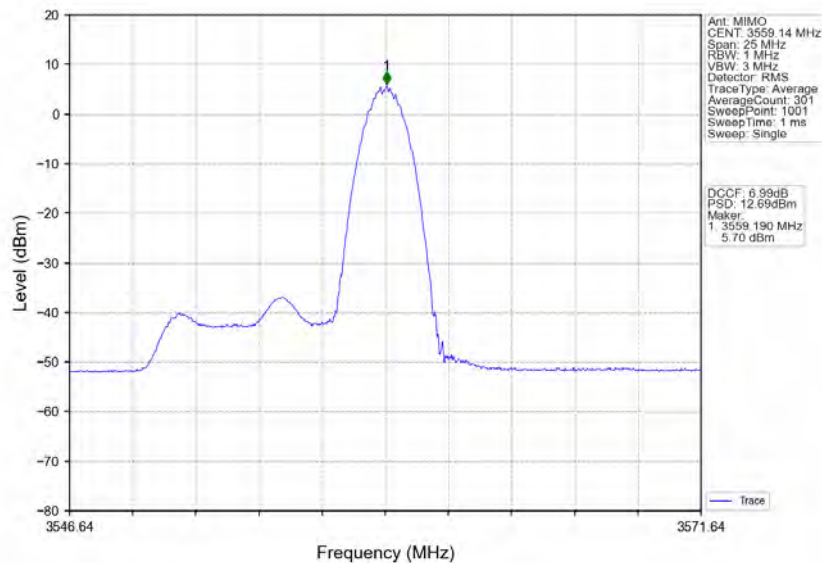
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n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM 64 QAM_3555MHz_Edge_1RB_Left



n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM 64 QAM_3555MHz_Edge_1RB_Right



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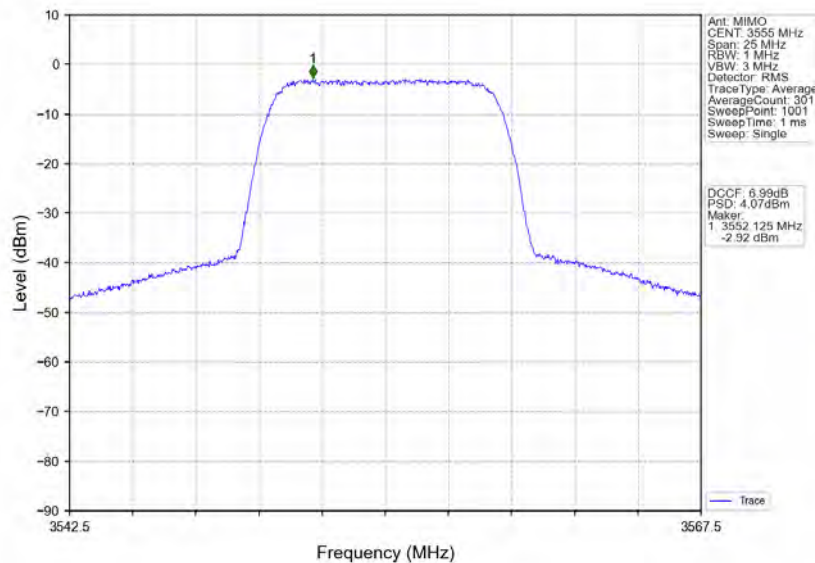
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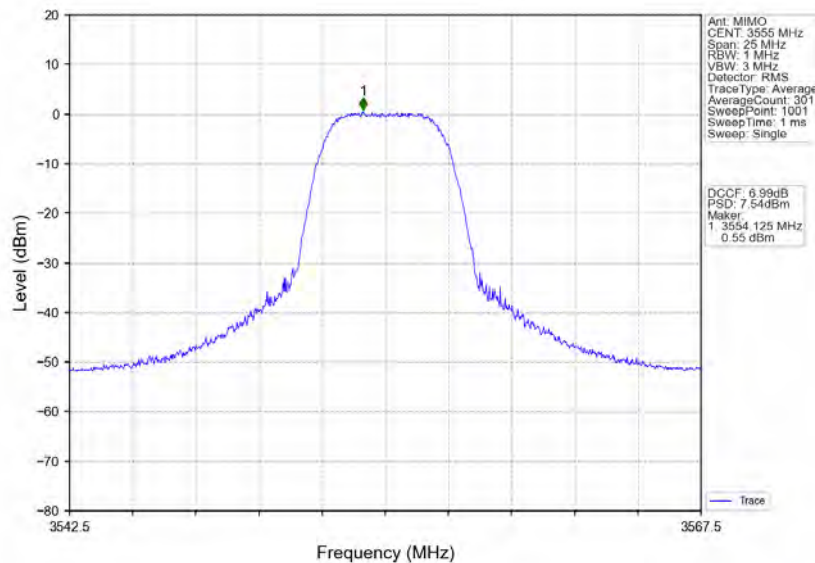
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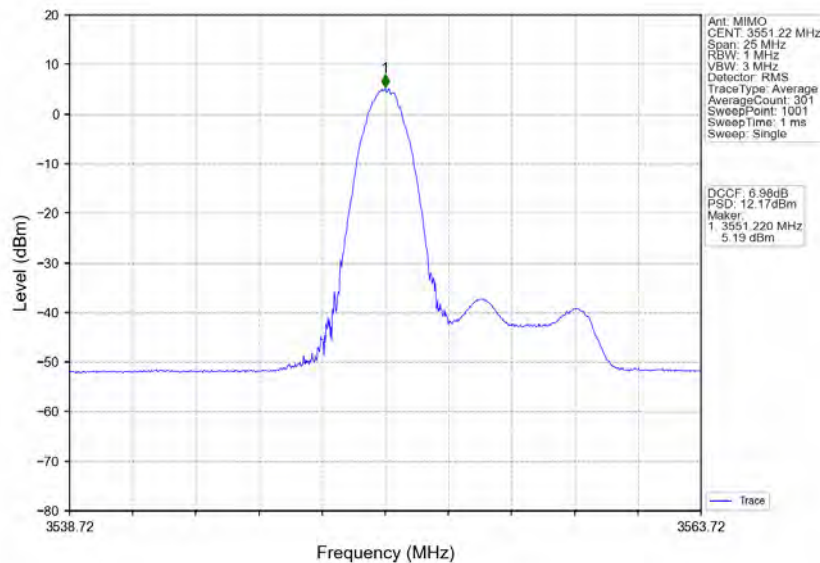
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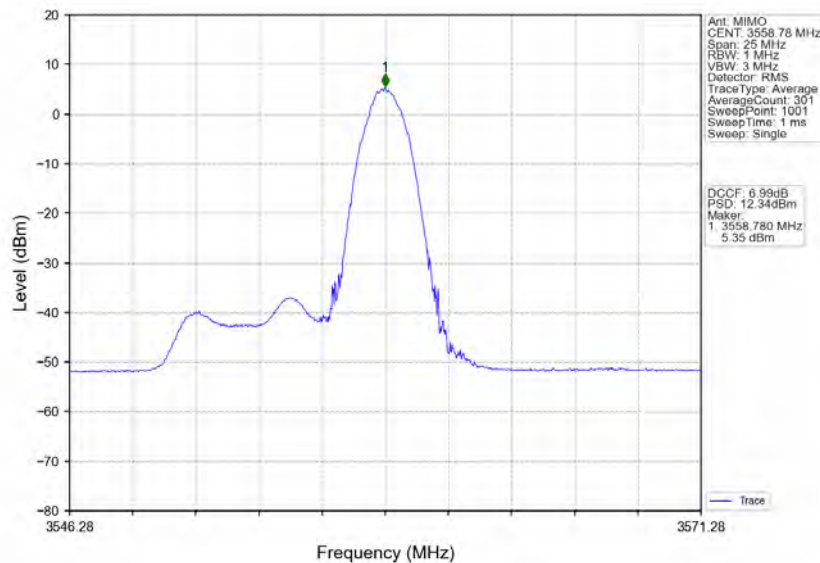
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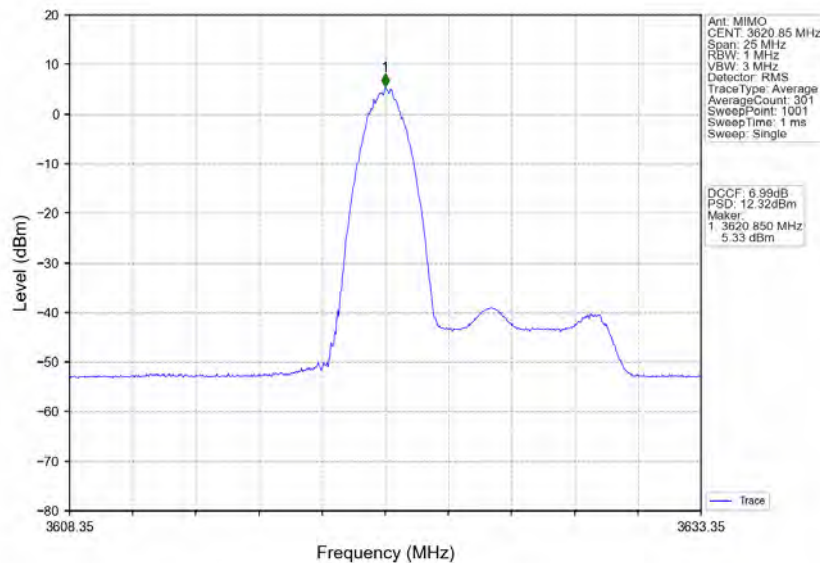
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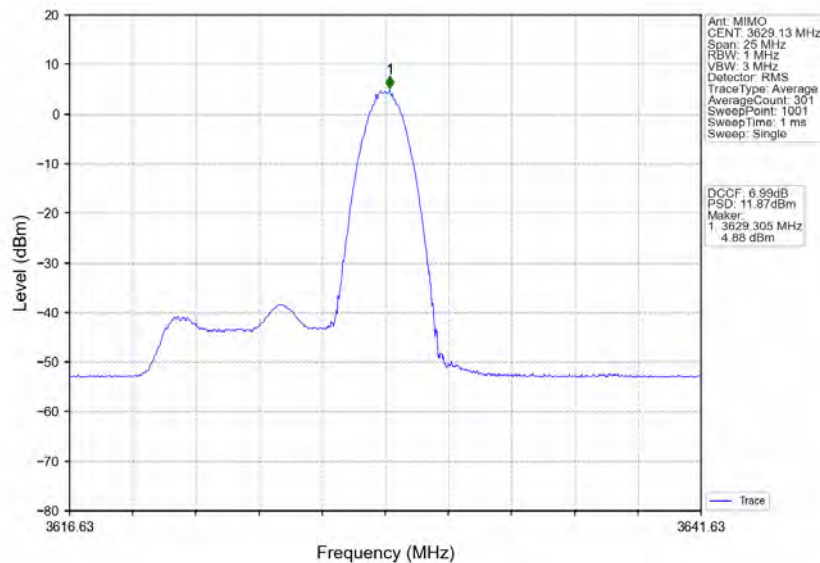
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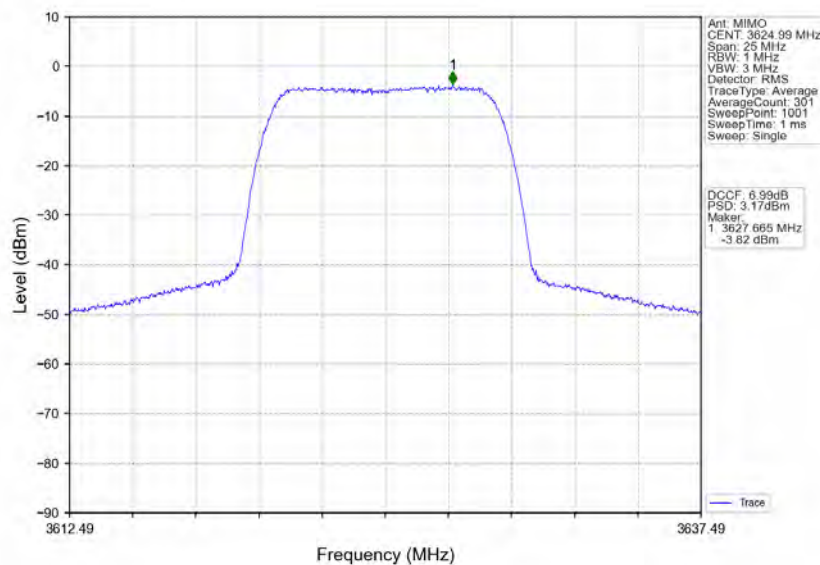
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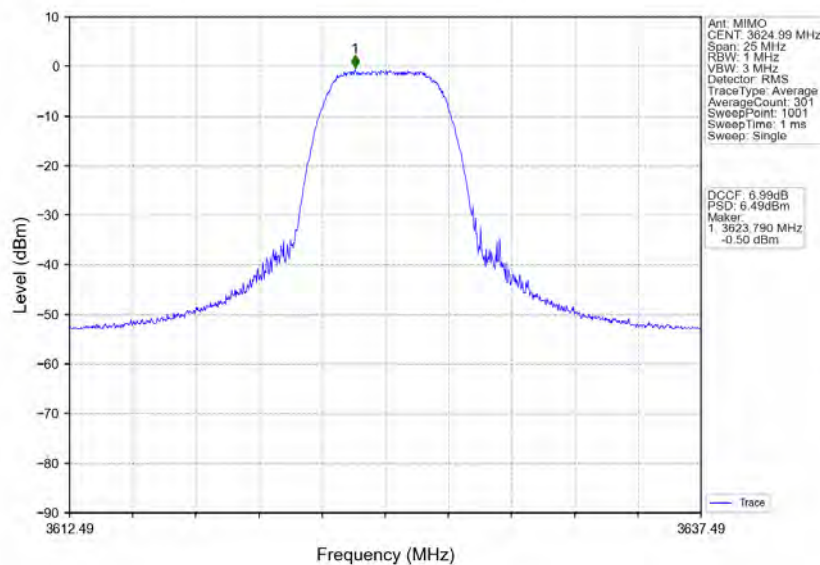
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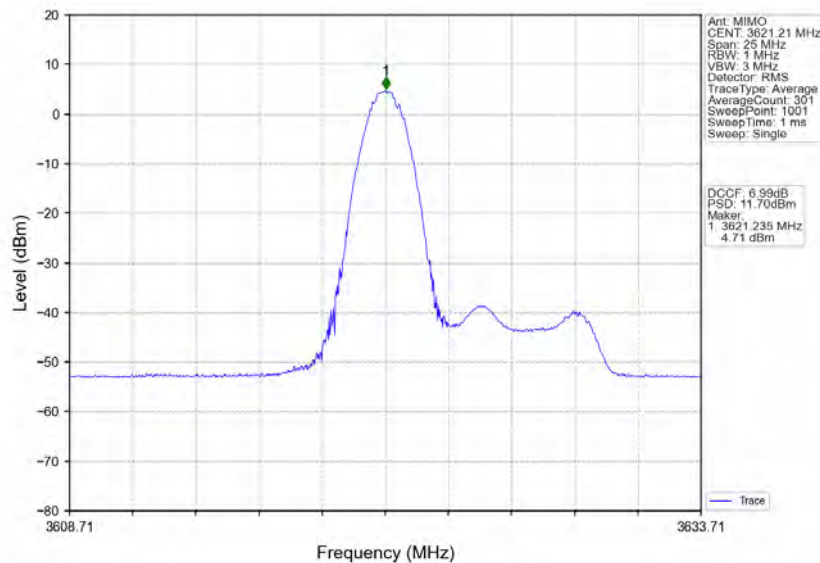
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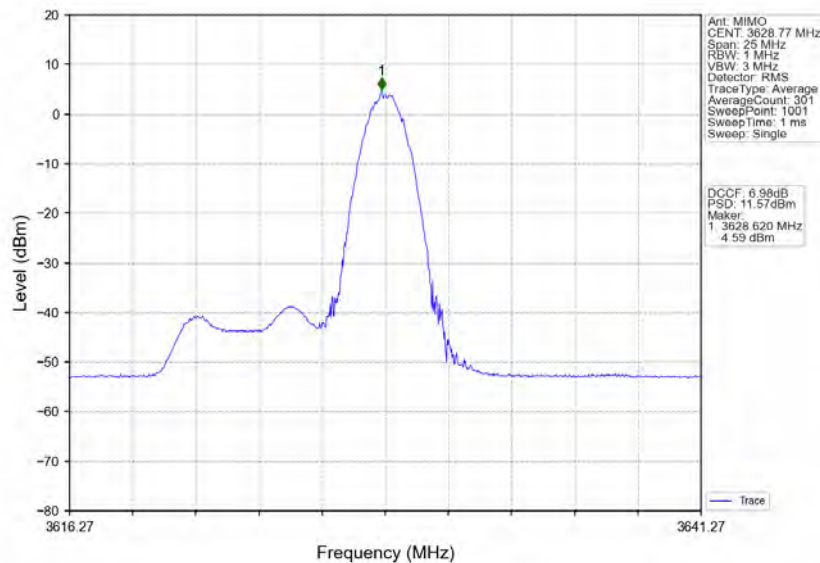
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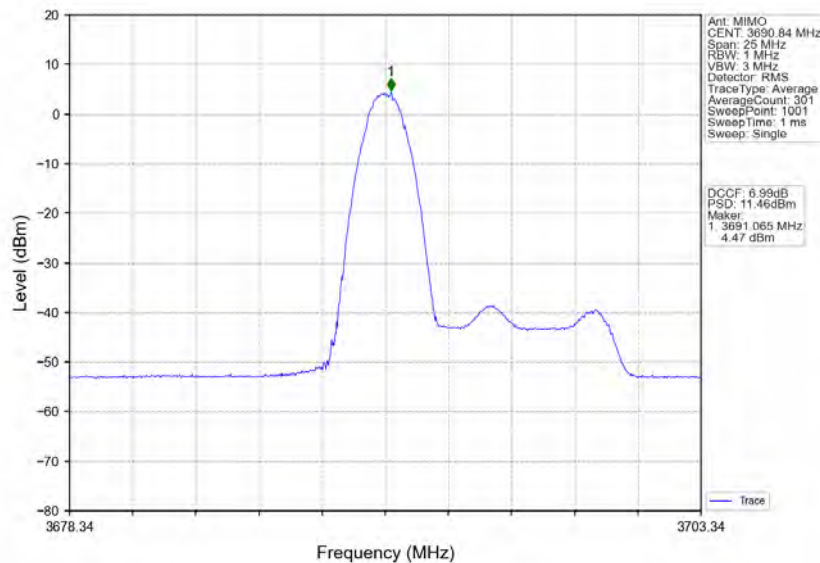
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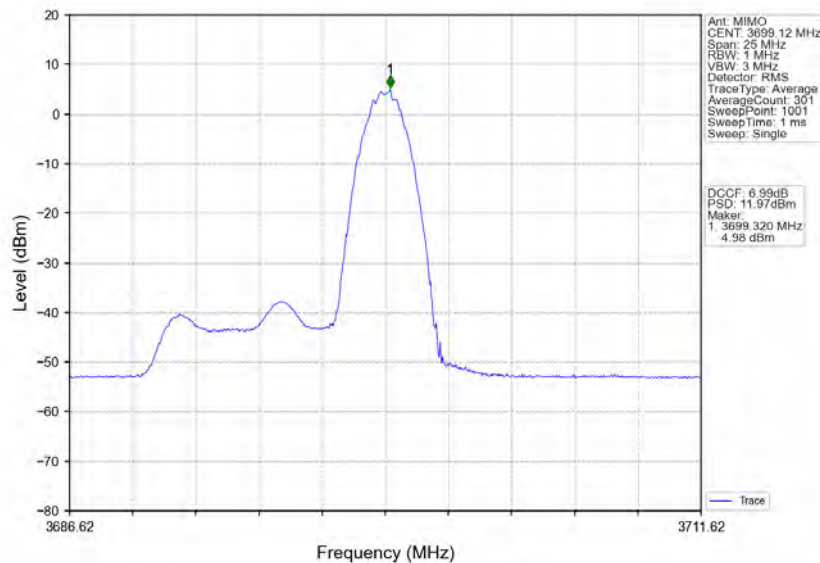
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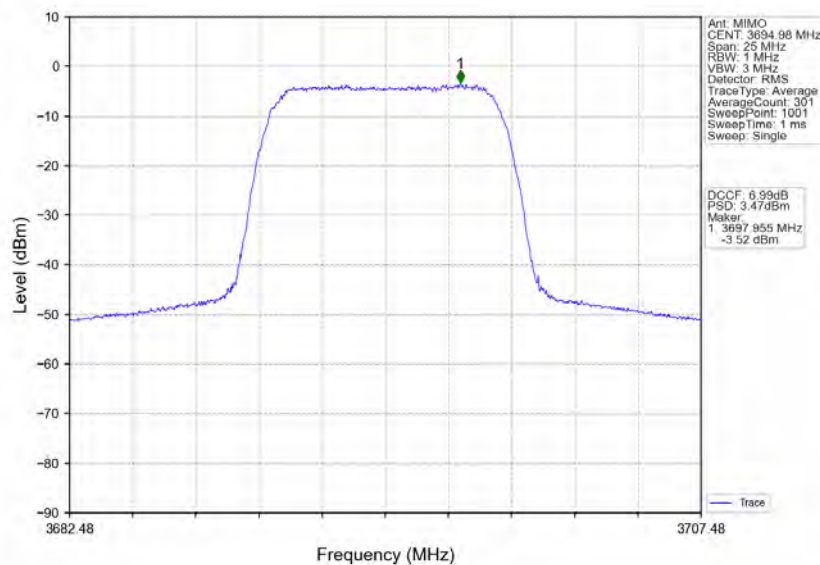
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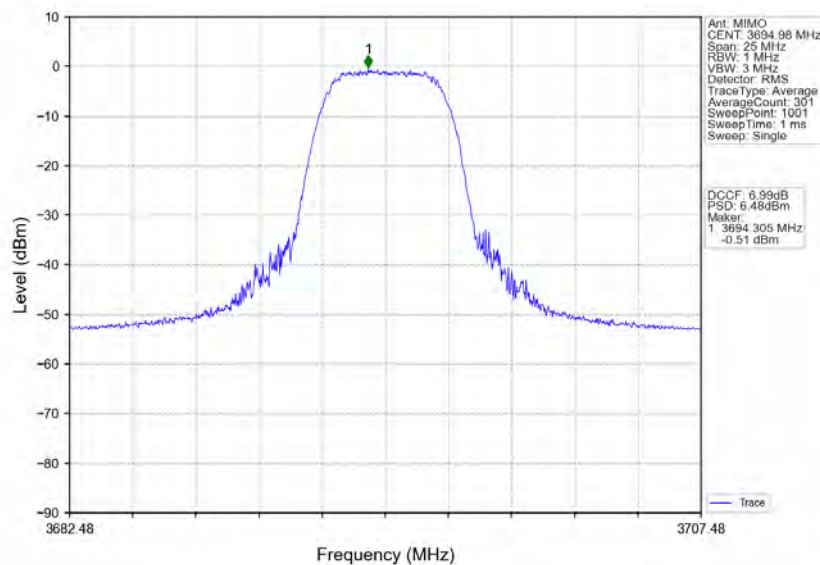
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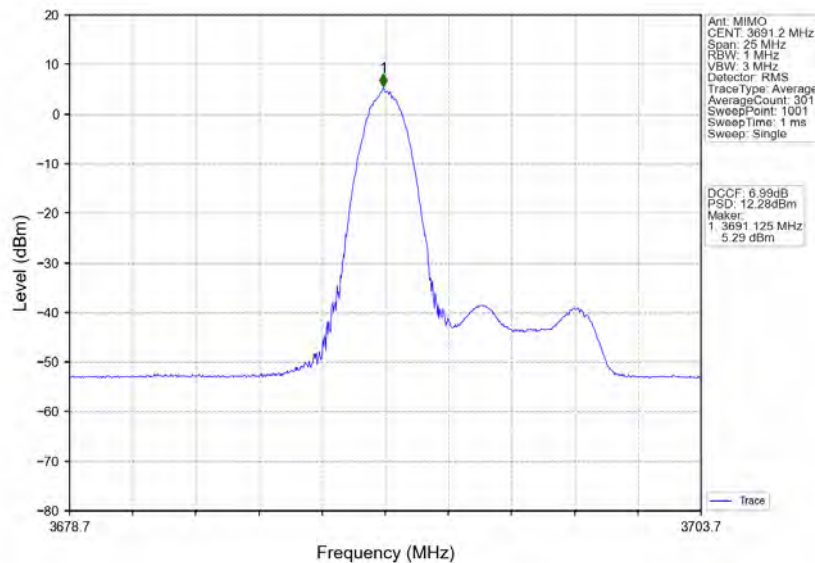
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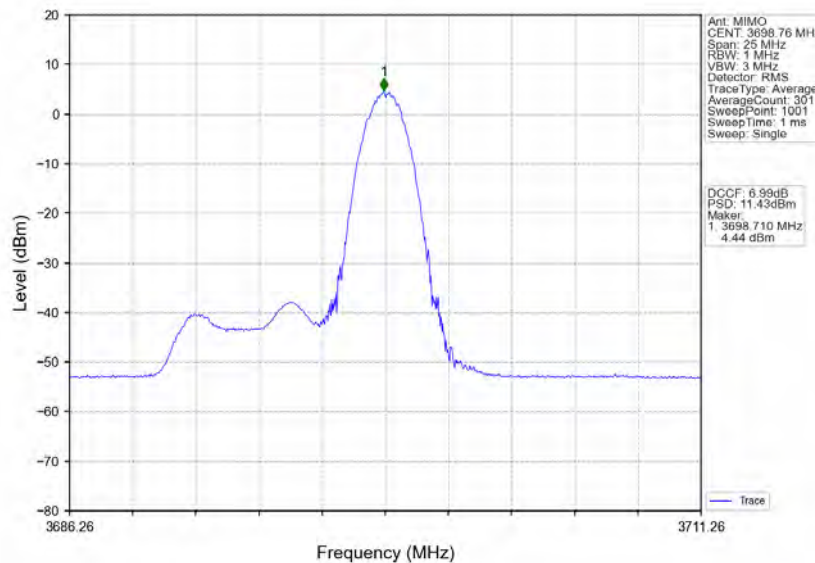
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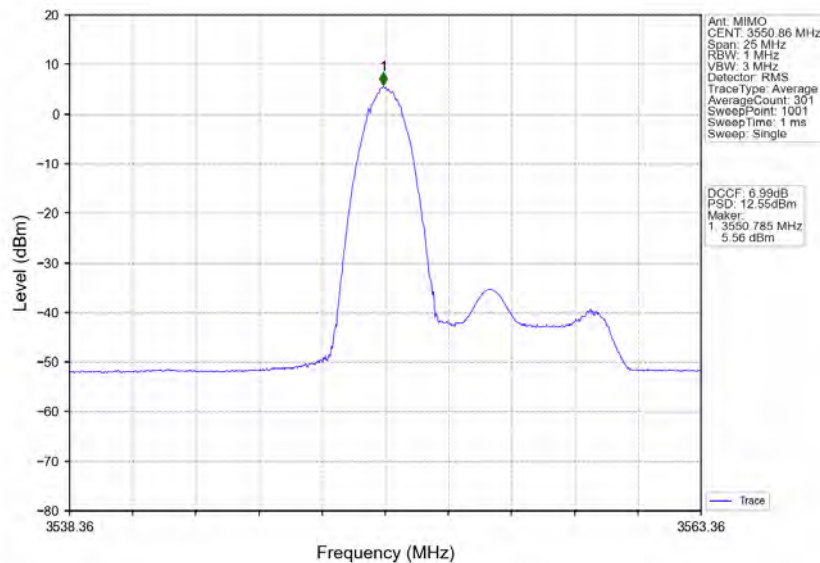
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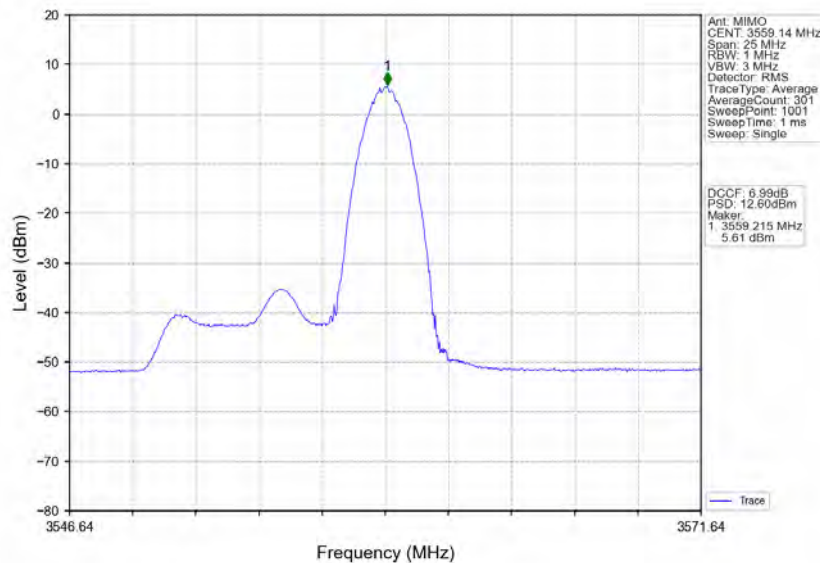
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n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM_256_QAM_3555MHz_Edge_1RB_Left



n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM_256_QAM_3555MHz_Edge_1RB_Right



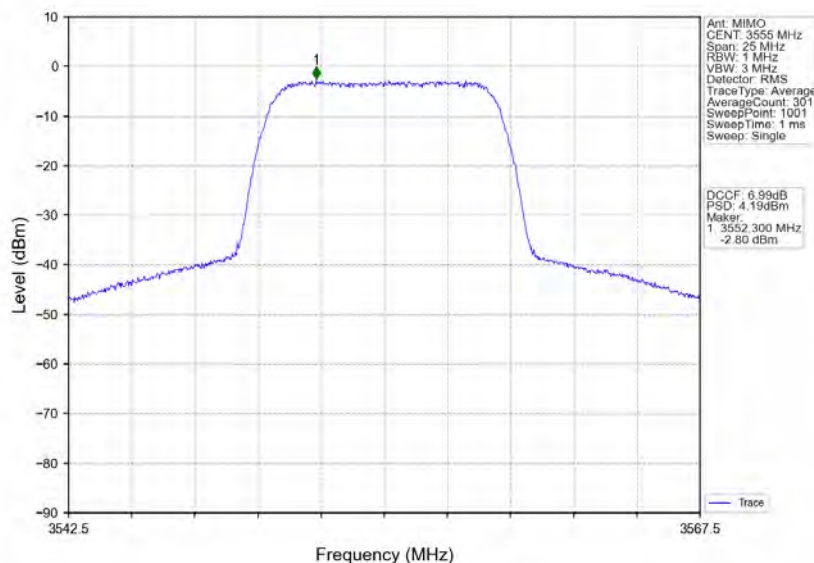
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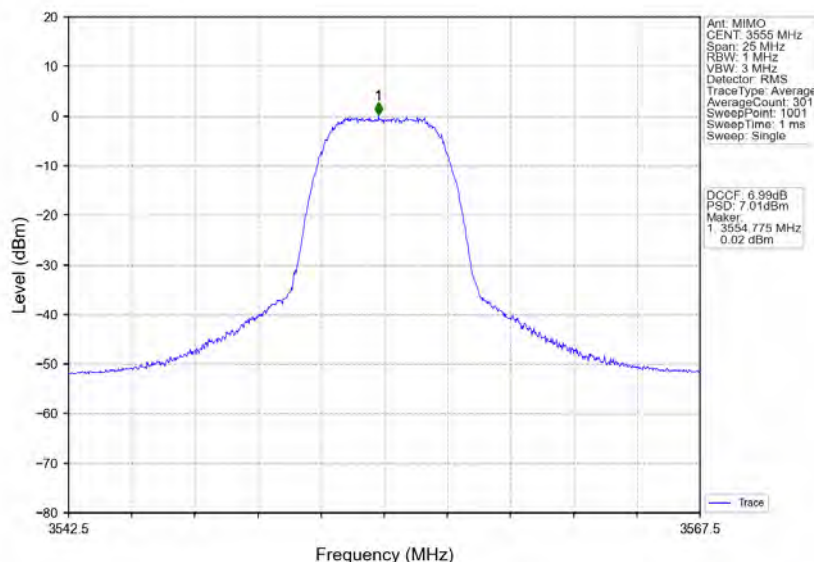
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n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM_256_QAM_3555MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM_256_QAM_3555MHz_Inner_Full



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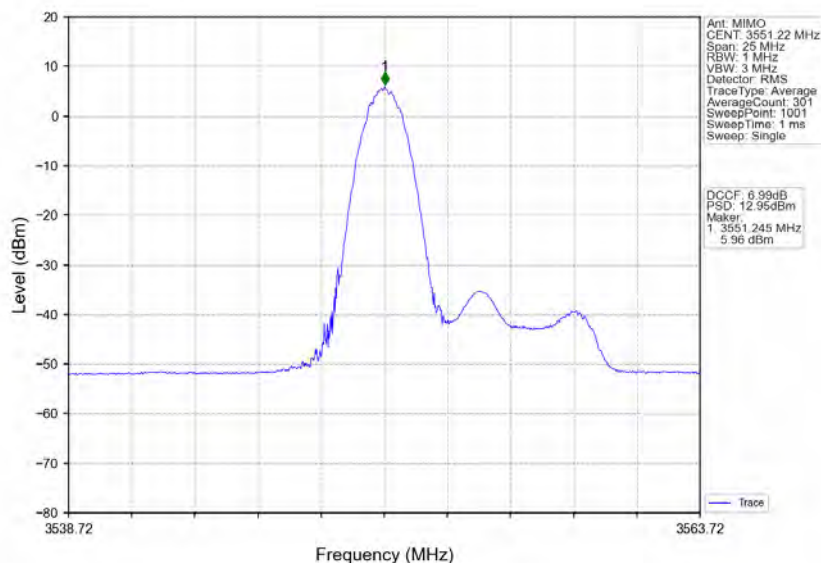
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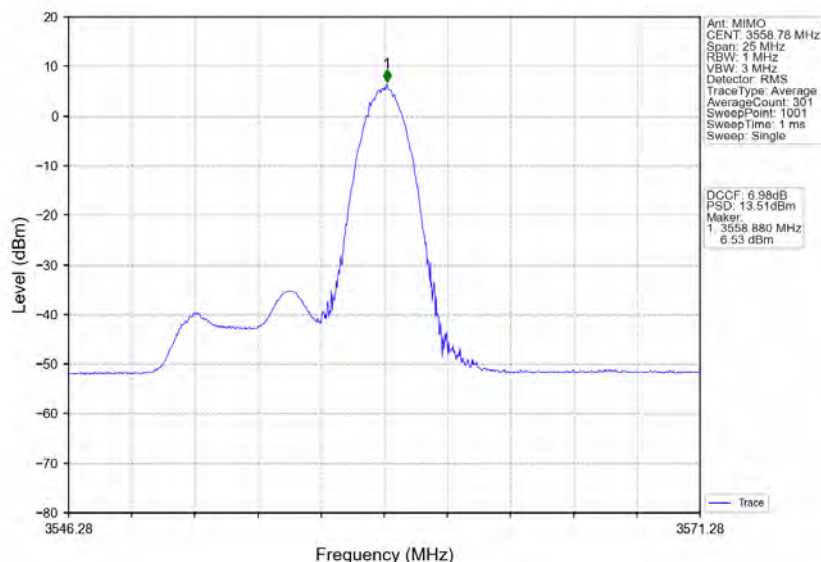
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n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM_256_QAM_3555MHz_Inner_1RB_Left



n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM_256_QAM_3555MHz_Inner_1RB_Right



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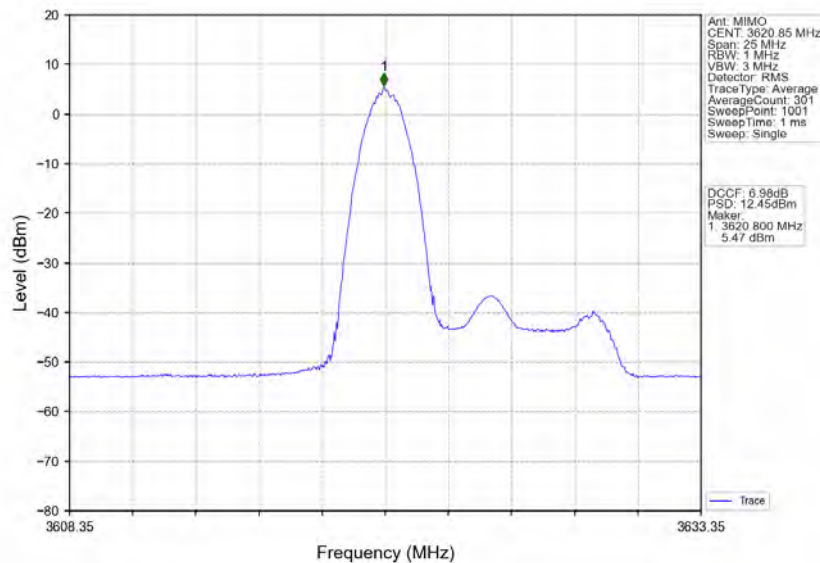
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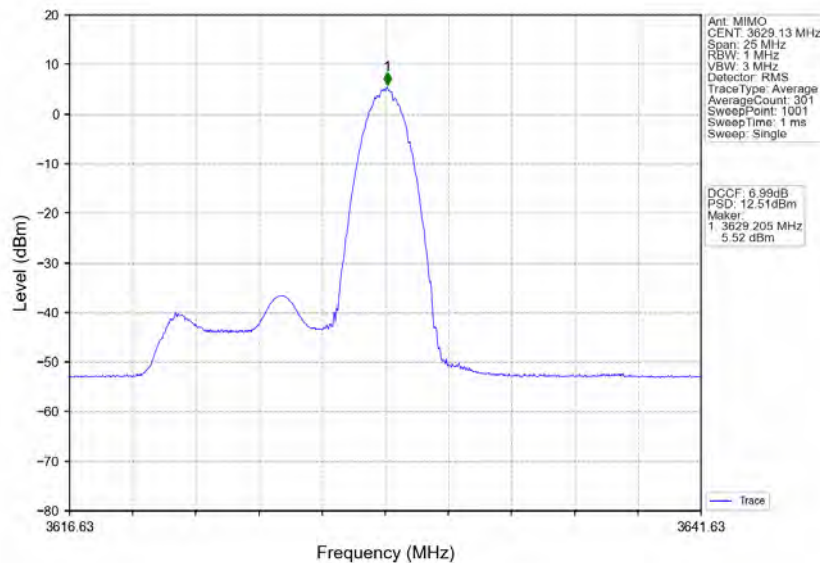
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n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM_256_QAM_3624.99MHz_Edge_1RB_Left



n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM_256_QAM_3624.99MHz_Edge_1RB_Right



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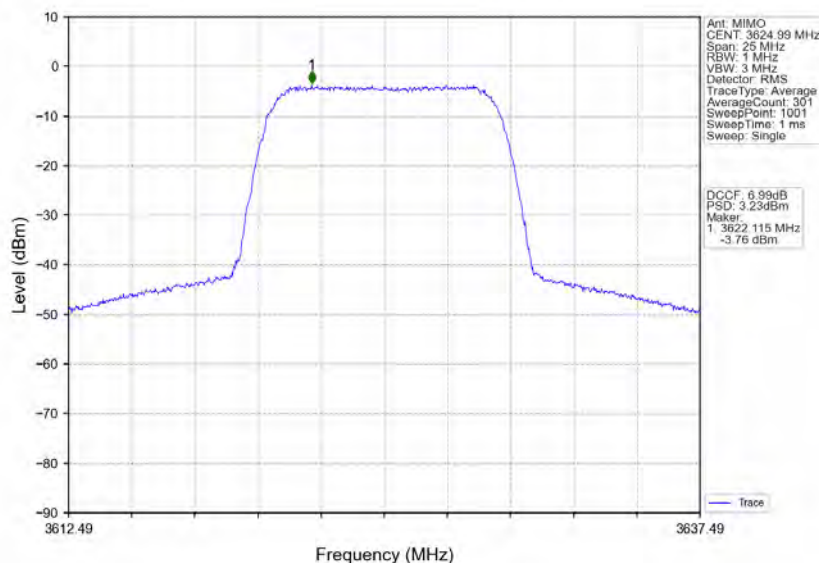
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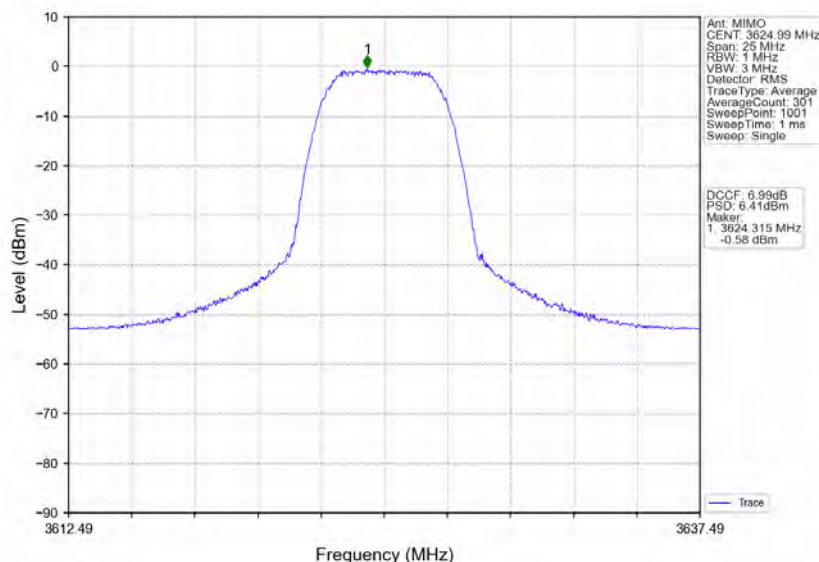
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n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM 256 QAM 3624.99MHz_Outer_Full



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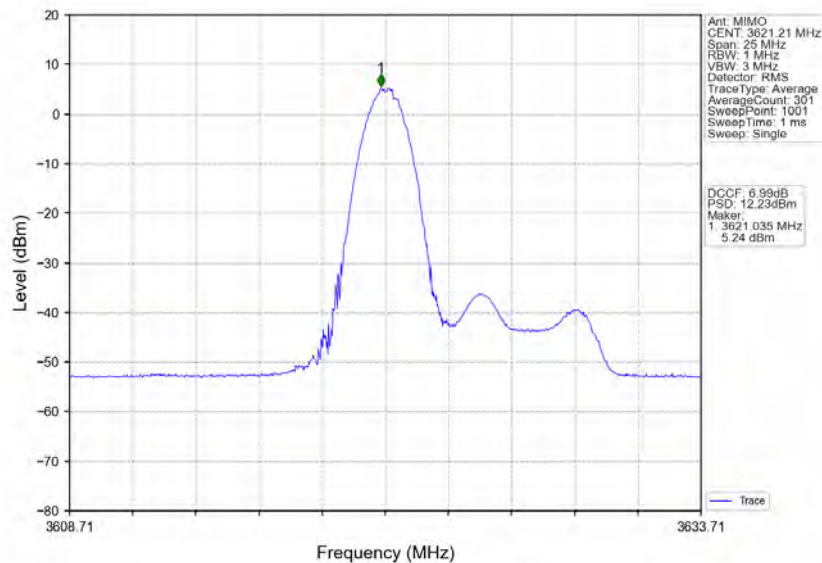
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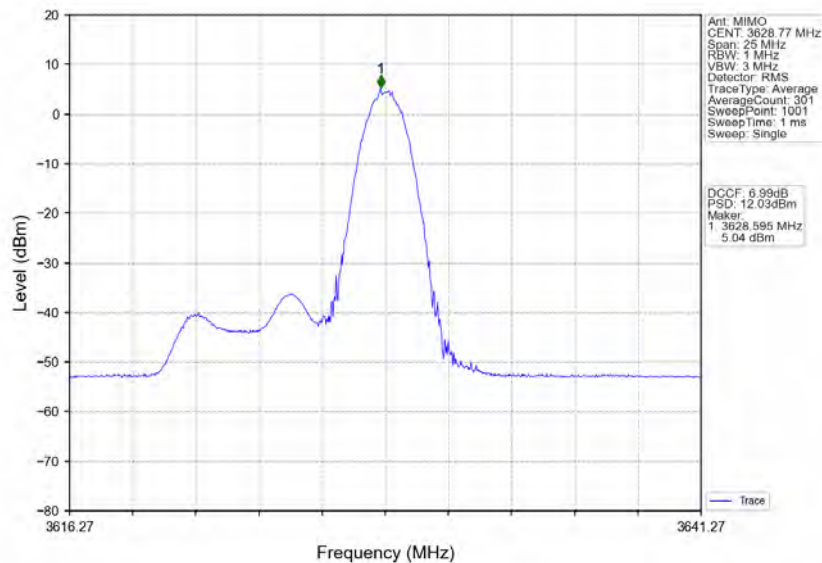
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n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM 256 QAM 3624.99MHz_Inner_1RB_Left



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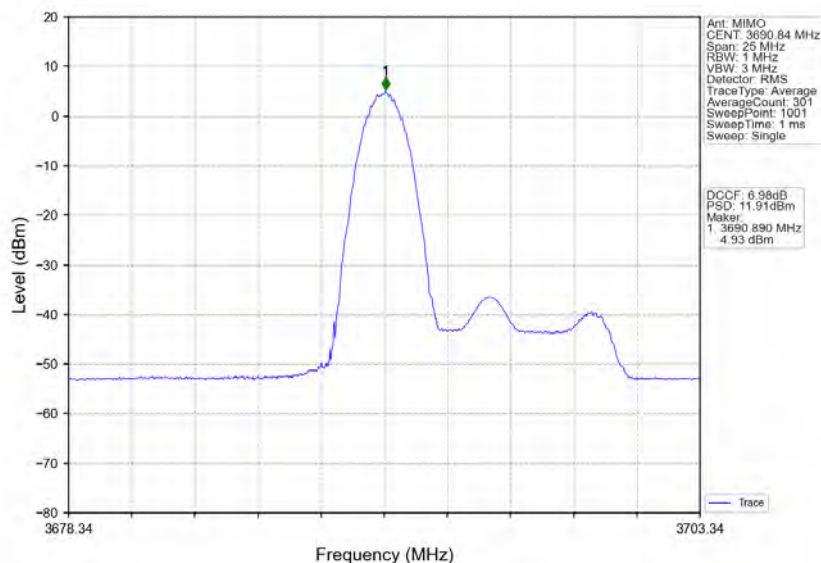
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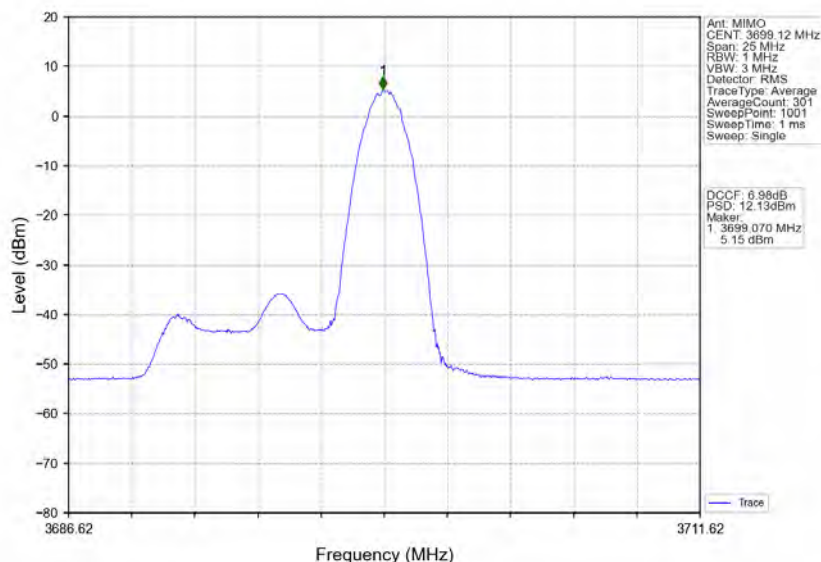
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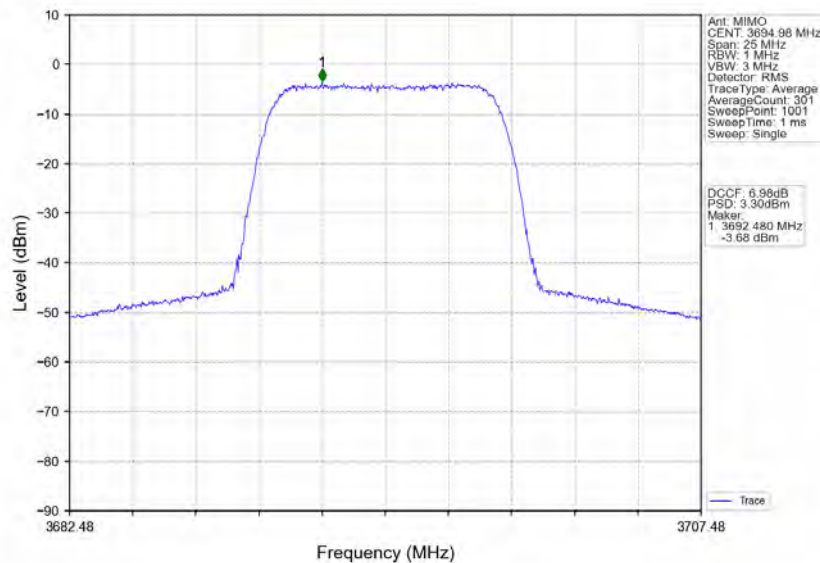
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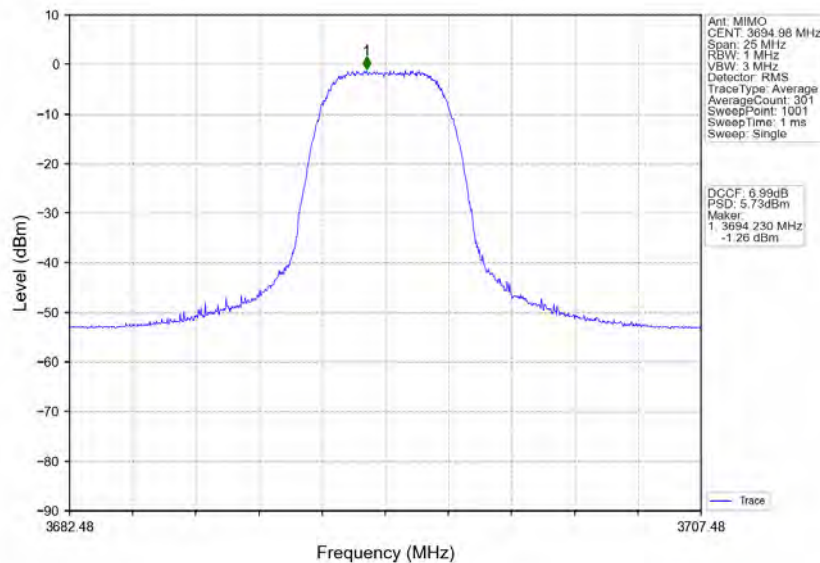
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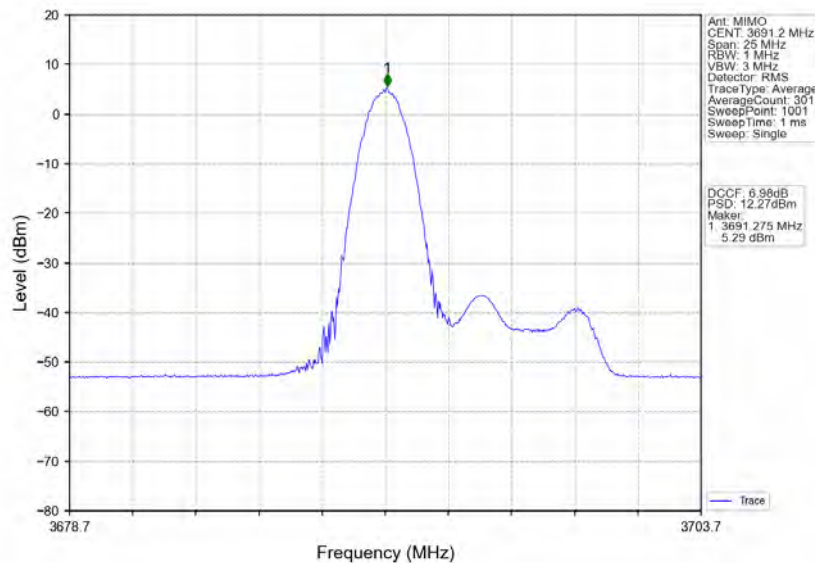
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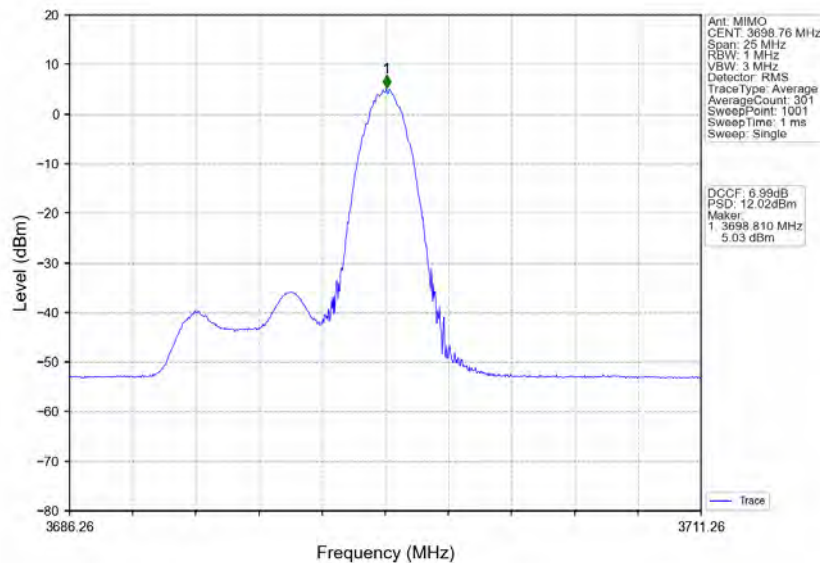
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2.4 30k_MIMO_15MHz_NTNV_EIRP

2.4.1 Test Result

5G NR n78d SCS=30kHz MIMO 15MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3557.52	Edge 1RB Left	10.52	10.64	13.59	15.42	16.44	18.97	-	Pass
		Edge 1RB Right	10.57	10.44	13.52	15.47	16.24	18.88	-	Pass
		Outer Full	10.48	10.43	13.47	15.38	16.23	18.84	-	Pass
		Inner Full	10.42	10.44	13.44	15.32	16.24	18.81	-	Pass
		Inner 1RB Left	10.63	10.62	13.64	15.53	16.42	19.01	-	Pass
		Inner 1RB Right	10.59	10.42	13.52	15.49	16.22	18.88	-	Pass
	3624.99	Edge 1RB Left	10.71	11.12	13.93	15.61	16.92	19.32	-	Pass
		Edge 1RB Right	10.66	11.03	13.86	15.56	16.83	19.25	-	Pass
		Outer Full	10.66	11.06	13.88	15.56	16.86	19.27	-	Pass
		Inner Full	10.62	11.03	13.84	15.52	16.83	19.23	-	Pass
		Inner 1RB Left	10.76	11.04	13.91	15.66	16.84	19.30	-	Pass
		Inner 1RB Right	10.67	11.11	13.90	15.57	16.91	19.30	-	Pass
	3692.49	Edge 1RB Left	10.56	10.78	13.68	15.46	16.58	19.07	-	Pass
		Edge 1RB Right	10.65	11.01	13.84	15.55	16.81	19.24	-	Pass
		Outer Full	10.58	10.83	13.72	15.48	16.63	19.10	-	Pass
		Inner Full	10.52	10.88	13.71	15.42	16.68	19.11	-	Pass
		Inner 1RB Left	10.59	10.80	13.70	15.49	16.60	19.09	-	Pass
		Inner 1RB Right	10.66	10.93	13.81	15.56	16.73	19.19	-	Pass
CP-OFDM 16 QAM	3557.52	Edge 1RB Left	10.48	10.92	13.71	15.38	16.72	19.11	-	Pass
		Edge 1RB Right	10.68	10.66	13.68	15.58	16.46	19.05	-	Pass
		Outer Full	10.56	10.49	13.53	15.46	16.29	18.91	-	Pass
		Inner Full	10.46	10.51	13.50	15.36	16.31	18.87	-	Pass
		Inner 1RB Left	10.59	10.97	13.79	15.49	16.77	19.19	-	Pass
		Inner 1RB Right	10.49	10.80	13.66	15.39	16.60	19.05	-	Pass
	3624.99	Edge 1RB Left	10.57	11.27	13.95	15.47	17.07	19.35	-	Pass
		Edge 1RB Right	10.62	11.28	13.98	15.52	17.08	19.38	-	Pass
		Outer Full	10.65	11.03	13.85	15.55	16.83	19.25	-	Pass
		Inner Full	10.59	11.03	13.83	15.49	16.83	19.22	-	Pass
		Inner 1RB Left	10.61	11.44	14.06	15.51	17.24	19.47	-	Pass
		Inner 1RB Right	10.55	11.41	14.01	15.45	17.21	19.43	-	Pass
	3692.49	Edge 1RB Left	10.52	11.21	13.89	15.42	17.01	19.30	-	Pass
		Edge 1RB Right	10.60	11.13	13.89	15.50	16.93	19.28	-	Pass
		Outer Full	10.58	10.83	13.72	15.48	16.63	19.10	-	Pass
		Inner Full	10.56	10.88	13.74	15.46	16.68	19.12	-	Pass
		Inner 1RB Left	10.46	11.09	13.80	15.36	16.89	19.20	-	Pass
		Inner 1RB Right	10.64	11.20	13.94	15.54	17.00	19.34	-	Pass
CP-OFDM 64 QAM	3557.52	Edge 1RB Left	10.30	10.76	13.54	15.20	16.56	18.94	-	Pass
		Edge 1RB Right	10.38	10.50	13.45	15.28	16.30	18.83	-	Pass
		Outer Full	10.48	10.63	13.56	15.38	16.43	18.95	-	Pass
		Inner Full	10.48	10.44	13.47	15.38	16.24	18.84	-	Pass
		Inner 1RB Left	10.29	10.74	13.53	15.19	16.54	18.93	-	Pass
		Inner 1RB Right	10.38	10.53	13.46	15.28	16.33	18.85	-	Pass
	3624.99	Edge 1RB Left	10.45	11.11	13.80	15.35	16.91	19.21	-	Pass
		Edge 1RB Right	10.48	11.12	13.82	15.38	16.92	19.23	-	Pass



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CP-OFDM 256 QAM		Outer_Full	10.65	11.17	13.93	15.55	16.97	19.33	-	Pass
		Inner_Full	10.64	11.06	13.87	15.54	16.86	19.26	-	Pass
		Inner_1RB_Left	10.43	11.15	13.81	15.33	16.95	19.23	-	Pass
		Inner_1RB_Right	10.44	11.23	13.86	15.34	17.03	19.28	-	Pass
	3692.49	Edge_1RB_Left	10.30	10.84	13.59	15.20	16.64	18.99	-	Pass
		Edge_1RB_Right	10.42	11.00	13.73	15.32	16.80	19.13	-	Pass
		Outer_Full	10.55	10.94	13.76	15.45	16.74	19.15	-	Pass
		Inner_Full	10.50	10.78	13.65	15.40	16.58	19.04	-	Pass
		Inner_1RB_Left	10.32	10.94	13.65	15.22	16.74	19.06	-	Pass
		Inner_1RB_Right	10.40	10.94	13.69	15.30	16.74	19.09	-	Pass
	3557.52	Edge_1RB_Left	10.62	10.76	13.70	15.52	16.56	19.08	-	Pass
		Edge_1RB_Right	10.56	10.59	13.58	15.46	16.39	18.96	-	Pass
		Outer_Full	10.57	10.52	13.56	15.47	16.32	18.93	-	Pass
		Inner_Full	10.52	10.53	13.53	15.42	16.33	18.91	-	Pass
		Inner_1RB_Left	10.68	10.73	13.72	15.58	16.53	19.09	-	Pass
		Inner_1RB_Right	10.71	10.58	13.66	15.61	16.38	19.02	-	Pass
	3624.99	Edge_1RB_Left	10.76	11.09	13.94	15.66	16.89	19.33	-	Pass
		Edge_1RB_Right	10.78	11.21	14.01	15.68	17.01	19.41	-	Pass
		Outer_Full	10.72	11.10	13.92	15.62	16.90	19.32	-	Pass
		Inner_Full	10.65	11.11	13.90	15.55	16.91	19.29	-	Pass
		Inner_1RB_Left	10.88	11.13	14.02	15.78	16.93	19.40	-	Pass
		Inner_1RB_Right	10.72	11.14	13.95	15.62	16.94	19.34	-	Pass
	3692.49	Edge_1RB_Left	10.61	10.94	13.79	15.51	16.74	19.18	-	Pass
		Edge_1RB_Right	10.74	11.05	13.90	15.64	16.85	19.30	-	Pass
		Outer_Full	10.64	10.91	13.79	15.54	16.71	19.17	-	Pass
		Inner_Full	10.60	10.81	13.72	15.50	16.61	19.10	-	Pass
		Inner_1RB_Left	10.67	10.97	13.83	15.57	16.77	19.22	-	Pass
		Inner_1RB_Right	10.76	11.02	13.90	15.66	16.82	19.29	-	Pass

Note1: Antenna Gain: Ant1: 4.90dBi; Ant2: 5.80dBi;
Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2

2.5 30k_MIMO_15MHz_NTNV_EIRP/10MHz

2.5.1 Test Result

5G NR n78d SCS=30kHz MIMO 15MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm/10MHz)			EIRP(dBm/10MHz)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3557.52	Edge_1RB_Left	9.00	9.52	12.28	13.90	15.32	17.68	<=30	Pass
		Edge_1RB_Right	9.59	9.46	12.54	14.49	15.26	17.90	<=30	Pass
		Outer_Full	7.67	8.33	11.02	12.57	14.13	16.43	<=30	Pass
		Inner_Full	9.40	9.86	12.65	14.30	15.66	18.04	<=30	Pass
		Inner_1RB_Left	9.14	9.95	12.57	14.04	15.75	17.99	<=30	Pass
		Inner_1RB_Right	9.24	9.72	12.50	14.14	15.52	17.89	<=30	Pass
	3624.99	Edge_1RB_Left	9.05	9.00	12.04	13.95	14.80	17.41	<=30	Pass
		Edge_1RB_Right	7.51	8.46	11.02	12.41	14.26	16.44	<=30	Pass
		Outer_Full	7.53	7.70	10.63	12.43	13.50	16.01	<=30	Pass
		Inner_Full	8.19	9.25	11.76	13.09	15.05	17.19	<=30	Pass
		Inner_1RB_Left	9.00	9.62	12.33	13.90	15.42	17.74	<=30	Pass
		Inner_1RB_Right	9.18	9.54	12.37	14.08	15.34	17.77	<=30	Pass
	3692.49	Edge_1RB_Left	8.52	8.13	11.34	13.42	13.93	16.69	<=30	Pass



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中国·江苏·昆山市留学院创业园伟业路10号 邮编 215300

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CP-OFDM 16 QAM	3557.52	Edge 1RB Right	8.90	9.11	12.02	13.80	14.91	17.40	<=30	Pass
		Outer Full	7.12	7.78	10.47	12.02	13.58	15.88	<=30	Pass
		Inner Full	9.08	9.34	12.22	13.98	15.14	17.61	<=30	Pass
		Inner 1RB Left	8.77	8.33	11.57	13.67	14.13	16.92	<=30	Pass
		Inner 1RB Right	8.36	9.85	12.18	13.26	15.65	17.63	<=30	Pass
	3624.99	Edge 1RB Left	8.80	10.14	12.53	13.70	15.94	17.97	<=30	Pass
		Edge 1RB Right	9.29	9.62	12.47	14.19	15.42	17.86	<=30	Pass
		Outer Full	7.91	8.03	10.98	12.81	13.83	16.36	<=30	Pass
		Inner Full	9.17	9.62	12.41	14.07	15.42	17.81	<=30	Pass
		Inner 1RB Left	8.79	10.08	12.49	13.69	15.88	17.93	<=30	Pass
	3692.49	Edge 1RB Left	8.70	9.59	12.18	13.60	15.39	17.60	<=30	Pass
		Edge 1RB Right	9.01	9.50	12.27	13.91	15.30	17.67	<=30	Pass
		Outer Full	7.83	7.64	10.75	12.73	13.44	16.11	<=30	Pass
		Inner Full	8.67	8.73	11.71	13.57	14.53	17.09	<=30	Pass
		Inner 1RB Left	8.92	10.26	12.65	13.82	16.06	18.09	<=30	Pass
CP-OFDM 64 QAM	3557.52	Inner 1RB Right	9.23	10.06	12.68	14.13	15.86	18.09	<=30	Pass
		Edge 1RB Left	8.70	9.59	12.18	13.60	15.39	17.60	<=30	Pass
		Edge 1RB Right	9.01	9.50	12.27	13.91	15.30	17.67	<=30	Pass
		Outer Full	7.83	7.64	10.75	12.73	13.44	16.11	<=30	Pass
		Inner Full	8.67	8.73	11.71	13.57	14.53	17.09	<=30	Pass
	3624.99	Inner 1RB Left	8.92	10.26	12.65	13.82	16.06	18.09	<=30	Pass
		Inner 1RB Right	9.39	10.03	12.73	14.29	15.83	18.14	<=30	Pass
		Edge 1RB Left	8.33	9.57	12.00	13.23	15.37	17.44	<=30	Pass
		Edge 1RB Right	9.09	10.23	12.71	13.99	16.03	18.14	<=30	Pass
		Outer Full	7.85	7.99	10.93	12.75	13.79	16.31	<=30	Pass
	3692.49	Inner Full	8.16	8.81	11.51	13.06	14.61	16.91	<=30	Pass
		Inner 1RB Left	8.83	9.25	12.06	13.73	15.05	17.45	<=30	Pass
		Inner 1RB Right	8.61	10.10	12.43	13.51	15.90	17.88	<=30	Pass
		Edge 1RB Left	9.12	9.44	12.29	14.02	15.24	17.68	<=30	Pass
		Edge 1RB Right	9.68	9.85	12.78	14.58	15.65	18.16	<=30	Pass
CP-OFDM 256 QAM	3557.52	Outer Full	8.13	8.26	11.21	13.03	14.06	16.59	<=30	Pass
		Inner Full	9.64	9.80	12.73	14.54	15.60	18.11	<=30	Pass
		Inner 1RB Left	8.77	9.28	12.04	13.67	15.08	17.44	<=30	Pass
		Inner 1RB Right	8.89	9.73	12.34	13.79	15.53	17.76	<=30	Pass
		Edge 1RB Left	8.84	9.45	12.17	13.74	15.25	17.57	<=30	Pass
	3624.99	Edge 1RB Right	8.75	8.80	11.79	13.65	14.60	17.16	<=30	Pass
		Outer Full	7.64	7.90	10.78	12.54	13.70	16.17	<=30	Pass
		Inner Full	8.86	8.76	11.82	13.76	14.56	17.19	<=30	Pass
		Inner 1RB Left	8.97	9.01	12.00	13.87	14.81	17.38	<=30	Pass
		Inner 1RB Right	8.78	8.38	11.59	13.68	14.18	16.95	<=30	Pass
	3692.49	Edge 1RB Left	7.93	8.77	11.38	12.83	14.57	16.80	<=30	Pass
		Edge 1RB Right	9.15	8.93	12.05	14.05	14.73	17.41	<=30	Pass
		Outer Full	7.33	8.06	10.72	12.23	13.86	16.13	<=30	Pass
		Inner Full	8.07	8.70	11.41	12.97	14.50	16.81	<=30	Pass
		Inner 1RB Left	7.19	9.12	11.27	12.09	14.92	16.74	<=30	Pass
CP-OFDM 256 QAM	3557.52	Inner 1RB Right	8.75	9.02	11.90	13.65	14.82	17.28	<=30	Pass
		Edge 1RB Left	9.21	9.29	12.26	14.11	15.09	17.64	<=30	Pass
		Edge 1RB Right	9.37	9.95	12.68	14.27	15.75	18.08	<=30	Pass
		Outer Full	8.44	8.11	11.29	13.34	13.91	16.64	<=30	Pass
		Inner Full	9.21	9.54	12.39	14.11	15.34	17.78	<=30	Pass
	3624.99	Inner 1RB Left	9.55	9.68	12.63	14.45	15.48	18.01	<=30	Pass
		Inner 1RB Right	10.17	9.27	12.75	15.07	15.07	18.08	<=30	Pass
		Edge 1RB Left	9.03	9.46	12.26	13.93	15.26	17.66	<=30	Pass
		Edge 1RB Right	8.10	8.86	11.51	13.00	14.66	16.92	<=30	Pass
		Outer Full	7.38	7.09	10.25	12.28	12.89	15.61	<=30	Pass
	3692.49	Inner Full	9.10	9.36	12.24	14.00	15.16	17.63	<=30	Pass
		Inner 1RB Left	9.41	8.93	12.19	14.31	14.73	17.54	<=30	Pass
		Inner 1RB Right	8.08	9.30	11.74	12.98	15.10	17.18	<=30	Pass
		Edge 1RB Left	8.53	9.16	11.87	13.43	14.96	17.27	<=30	Pass

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	Edge_1RB_Right	9.20	9.59	12.41	14.10	15.39	17.80	<=30	Pass
	Outer_Full	7.44	7.79	10.63	12.34	13.59	16.02	<=30	Pass
	Inner_Full	8.59	9.32	11.98	13.49	15.12	17.39	<=30	Pass
	Inner_1RB_Left	8.34	9.49	11.96	13.24	15.29	17.40	<=30	Pass
	Inner_1RB_Right	8.67	9.63	12.19	13.57	15.43	17.61	<=30	Pass

Note1: Antenna Gain: Ant1: 4.90dBi; Ant2: 5.80dBi;
Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2

2.6 30k_MIMO_15MHz_NTNV_PSD

2.6.1 Test Result

5G NR n78d SCS=30kHz MIMO 15MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted PSD(dBm/MHz)			E.I.R.PSD(dBm/MHz)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3557.52	Edge_1RB_Left	9.00	9.52	12.24	13.90	15.32	18.04	<=20	Pass
		Edge_1RB_Right	9.59	9.46	12.36	14.49	15.26	18.16	<=20	Pass
		Outer_Full	7.67	8.33	2.14	12.57	14.13	7.94	<=20	Pass
		Inner_Full	9.40	9.86	5.37	14.30	15.66	11.17	<=20	Pass
		Inner_1RB_Left	9.14	9.95	12.84	14.04	15.75	18.64	<=20	Pass
		Inner_1RB_Right	9.24	9.72	13.04	14.14	15.52	18.84	<=20	Pass
	3624.99	Edge_1RB_Left	9.05	9.00	12.25	13.95	14.80	18.05	<=20	Pass
		Edge_1RB_Right	7.51	8.46	11.87	12.41	14.26	17.67	<=20	Pass
		Outer_Full	7.53	7.70	1.98	12.43	13.50	7.78	<=20	Pass
		Inner_Full	8.19	9.25	4.47	13.09	15.05	10.27	<=20	Pass
		Inner_1RB_Left	9.00	9.62	12.20	13.90	15.42	18.00	<=20	Pass
		Inner_1RB_Right	9.18	9.54	12.16	14.08	15.34	17.96	<=20	Pass
	3692.49	Edge_1RB_Left	8.52	8.13	12.25	13.42	13.93	18.05	<=20	Pass
		Edge_1RB_Right	8.90	9.11	12.25	13.80	14.91	18.05	<=20	Pass
		Outer_Full	7.12	7.78	2.27	12.02	13.58	8.07	<=20	Pass
		Inner_Full	9.08	9.34	4.83	13.98	15.14	10.63	<=20	Pass
		Inner_1RB_Left	8.77	8.33	11.99	13.67	14.13	17.79	<=20	Pass
		Inner_1RB_Right	8.36	9.85	12.59	13.26	15.65	18.39	<=20	Pass
CP-OFDM 16 QAM	3557.52	Edge_1RB_Left	8.80	10.14	12.92	13.70	15.94	18.72	<=20	Pass
		Edge_1RB_Right	9.29	9.62	12.86	14.19	15.42	18.66	<=20	Pass
		Outer_Full	7.91	8.03	2.19	12.81	13.83	7.99	<=20	Pass
		Inner_Full	9.17	9.62	5.47	14.07	15.42	11.27	<=20	Pass
		Inner_1RB_Left	8.79	10.08	12.96	13.69	15.88	18.76	<=20	Pass
		Inner_1RB_Right	9.23	10.06	13.03	14.13	15.86	18.83	<=20	Pass
	3624.99	Edge_1RB_Left	8.70	9.59	12.54	13.60	15.39	18.34	<=20	Pass
		Edge_1RB_Right	9.01	9.50	12.33	13.91	15.30	18.13	<=20	Pass
		Outer_Full	7.83	7.64	1.82	12.73	13.44	7.62	<=20	Pass
		Inner_Full	8.67	8.73	4.30	13.57	14.53	10.10	<=20	Pass
		Inner_1RB_Left	8.92	10.26	12.79	13.82	16.06	18.59	<=20	Pass
		Inner_1RB_Right	9.39	10.03	12.56	14.29	15.83	18.36	<=20	Pass
	3692.49	Edge_1RB_Left	8.33	9.57	12.34	13.23	15.37	18.14	<=20	Pass
		Edge_1RB_Right	9.09	10.23	12.48	13.99	16.03	18.28	<=20	Pass
		Outer_Full	7.85	7.99	1.78	12.75	13.79	7.58	<=20	Pass
		Inner_Full	8.16	8.81	4.90	13.06	14.61	10.70	<=20	Pass
		Inner_1RB_Left	8.83	9.25	12.71	13.73	15.05	18.51	<=20	Pass
		Inner_1RB_Right	8.61	10.10	12.09	13.51	15.90	17.89	<=20	Pass



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