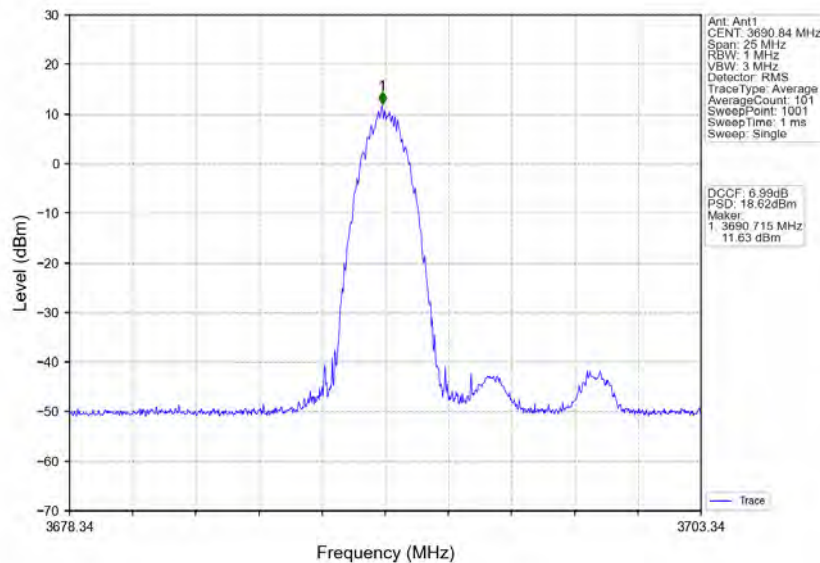
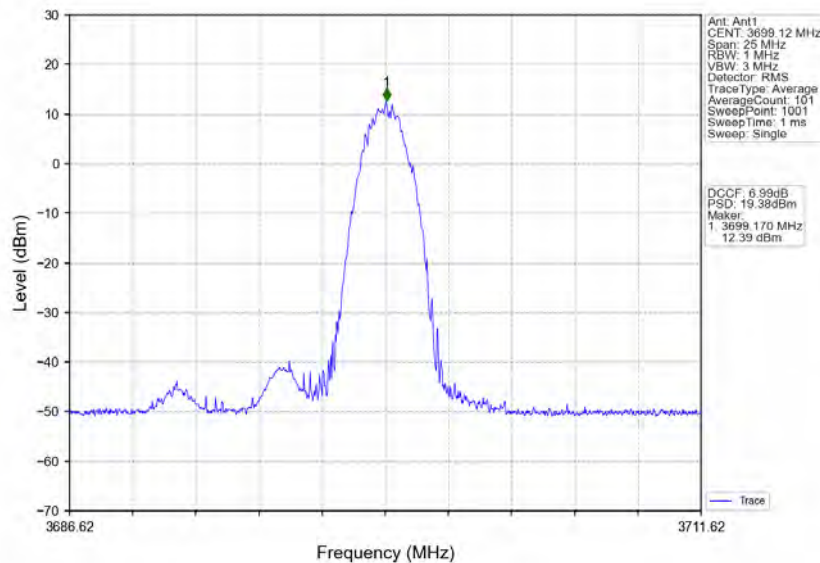


n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM 16 QAM_3694.98MHz_Edge_1RB_Left



n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM 16 QAM_3694.98MHz_Edge_1RB_Right



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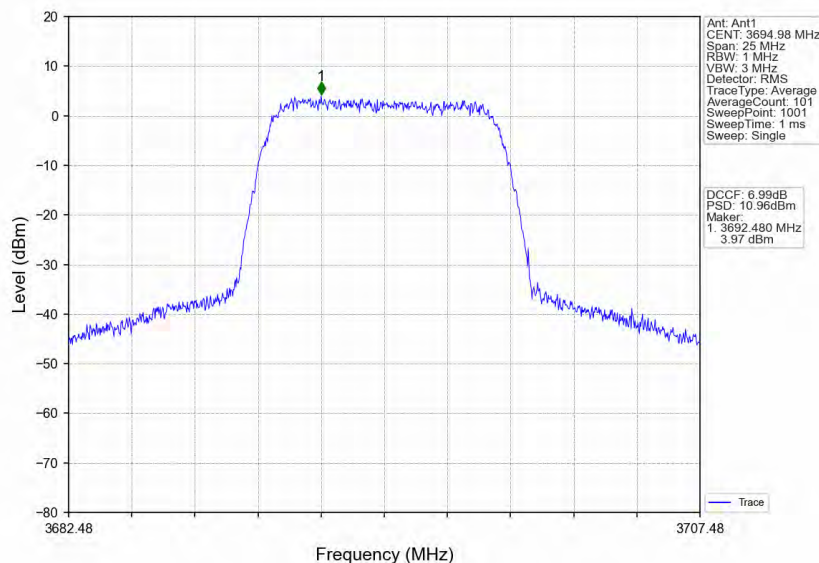
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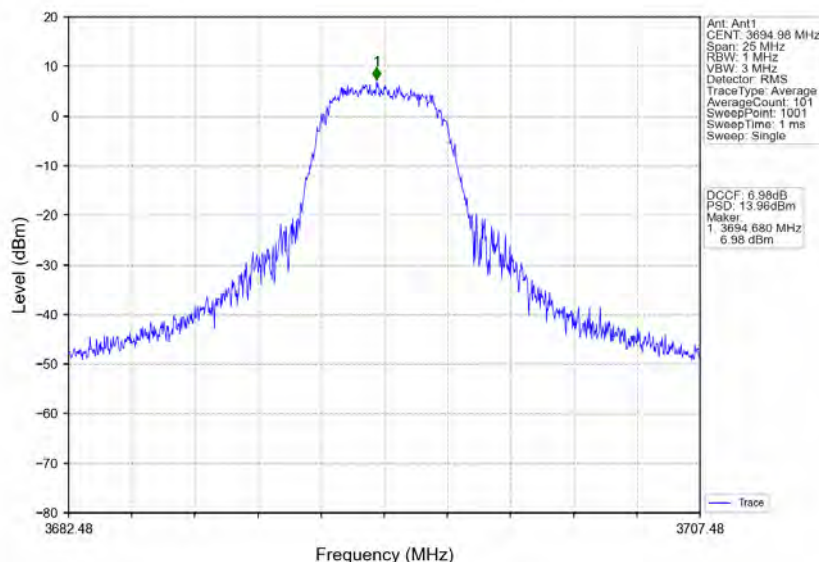
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n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM_16_QAM_3694.98MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM_16_QAM_3694.98MHz_Inner_Full



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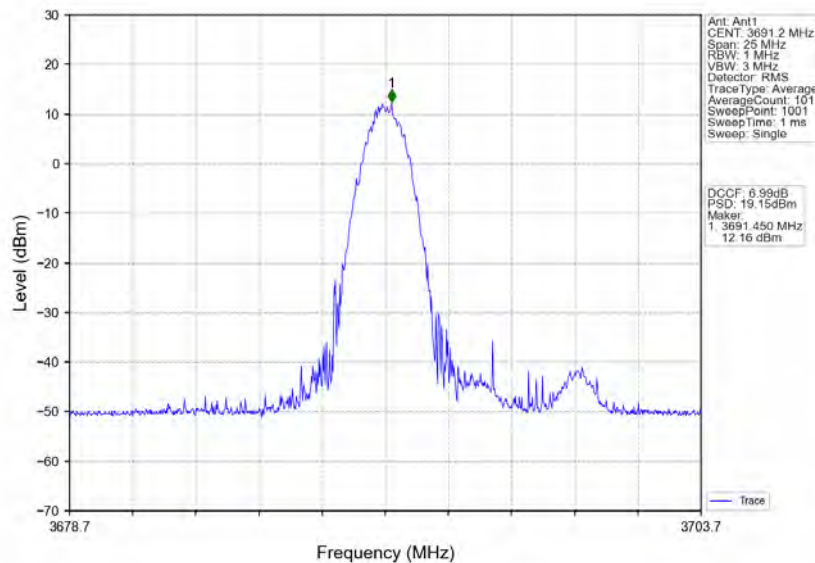
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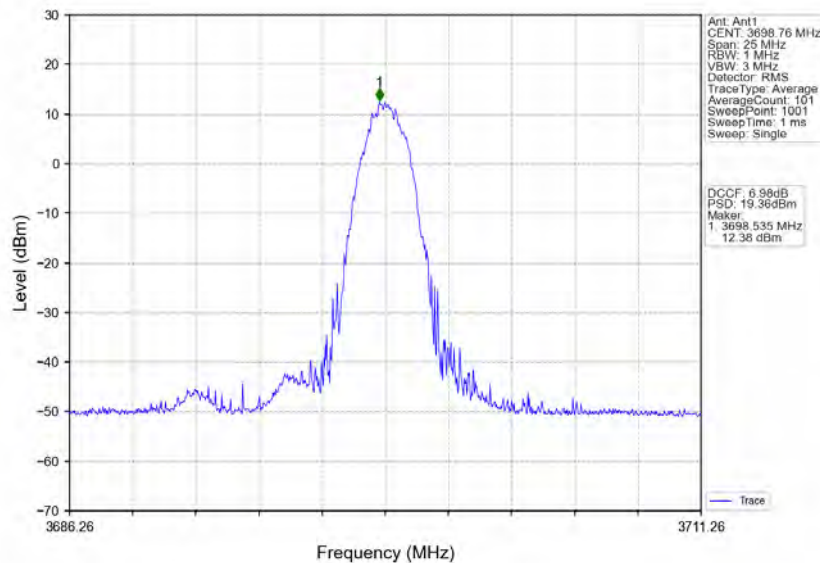
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n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM 16 QAM_3694.98MHz_Inner_1RB_Left



n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM 16 QAM_3694.98MHz_Inner_1RB_Right



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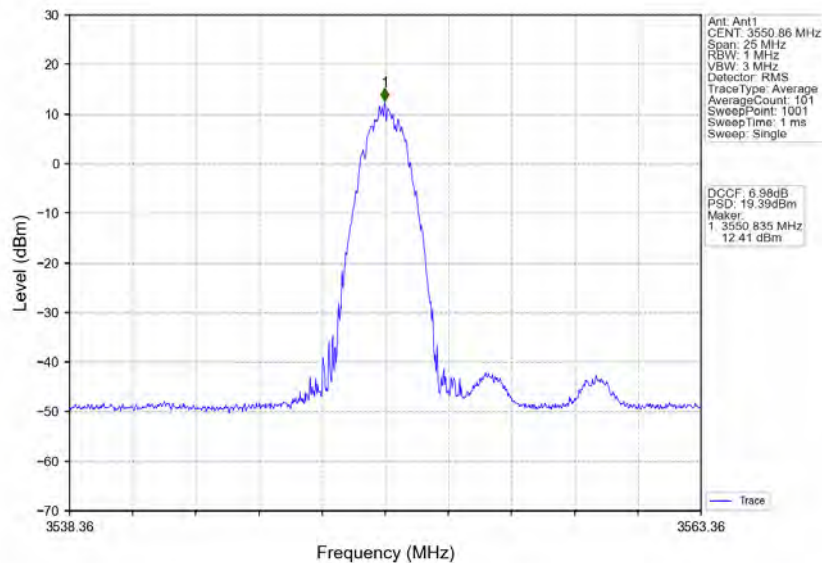
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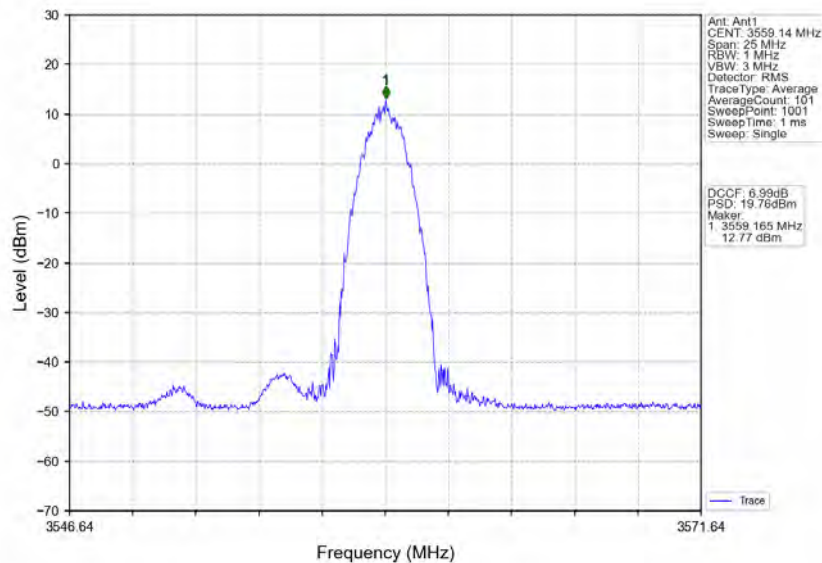
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n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM 64 QAM_3555MHz_Edge_1RB_Left



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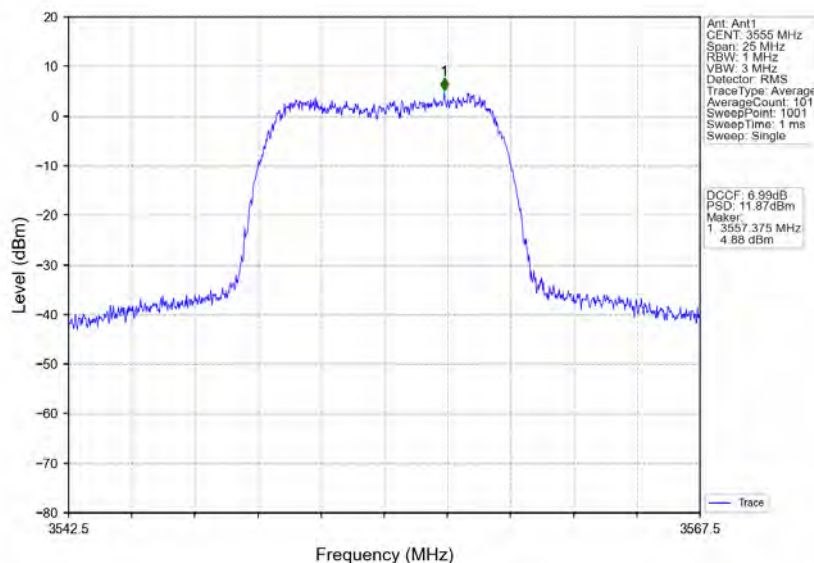
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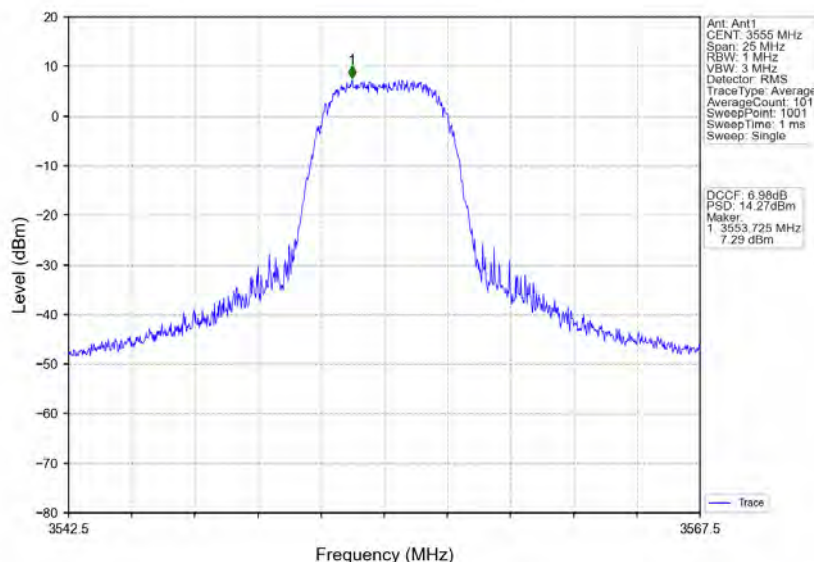
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n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM 64 QAM_3555MHz_Outer_Full



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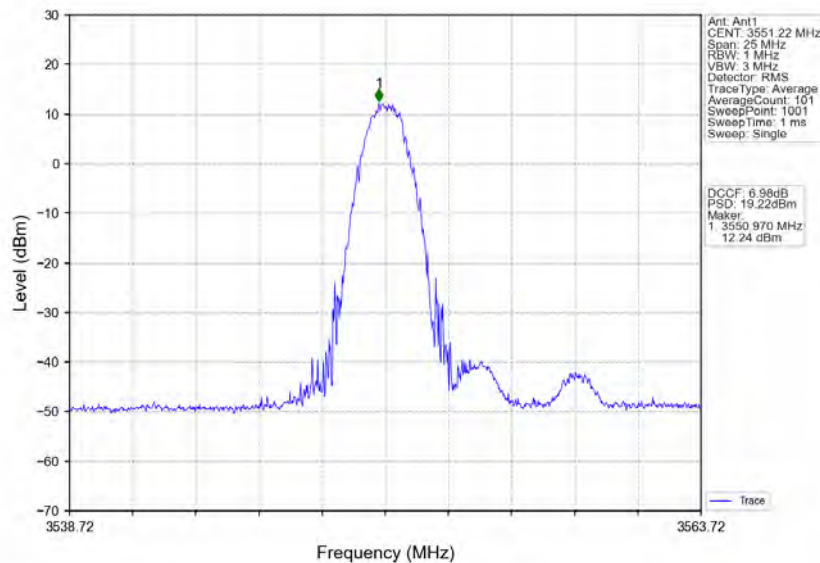
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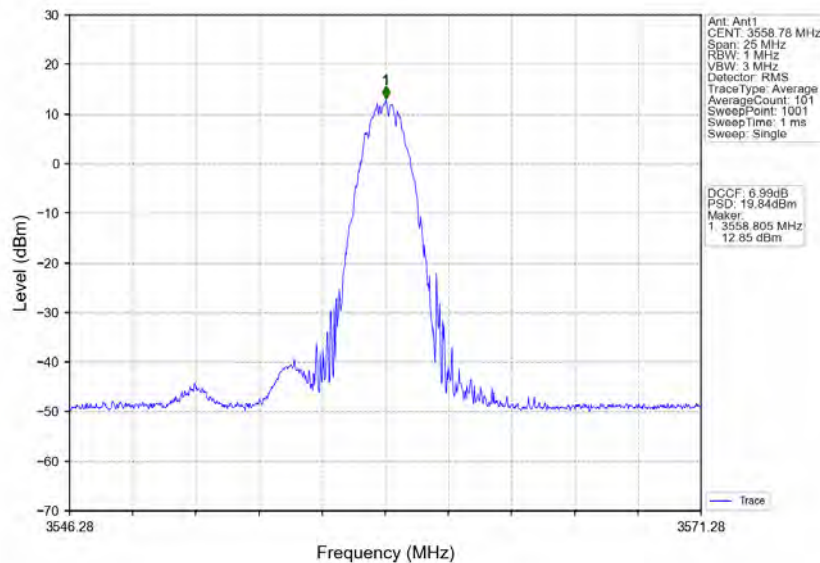
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n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM 64 QAM_3555MHz_Inner_1RB_Left



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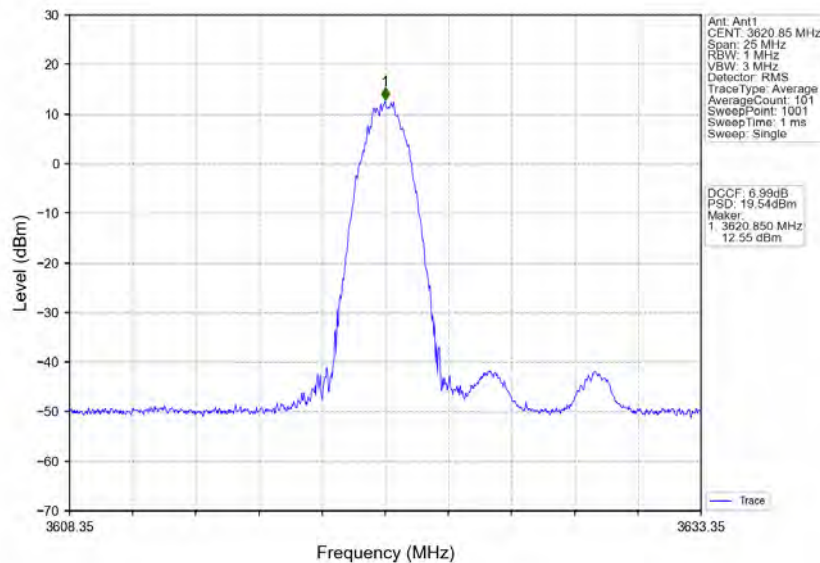
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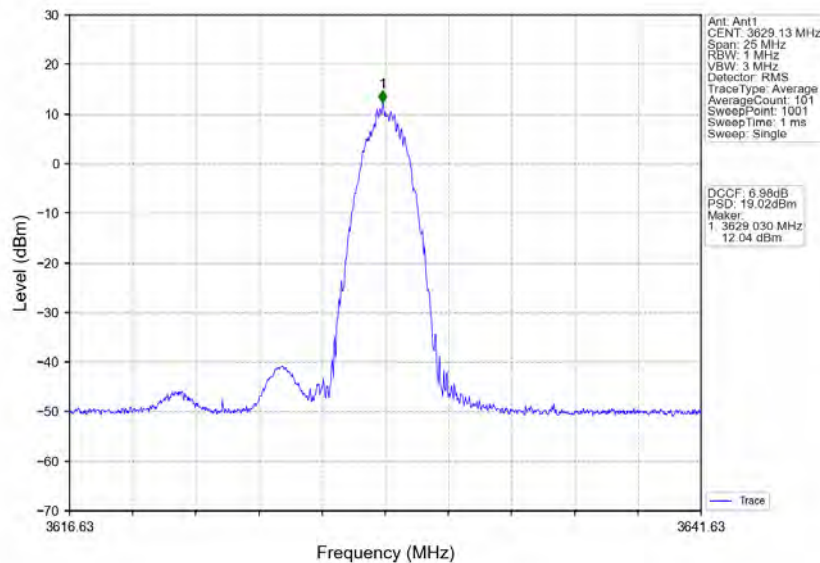
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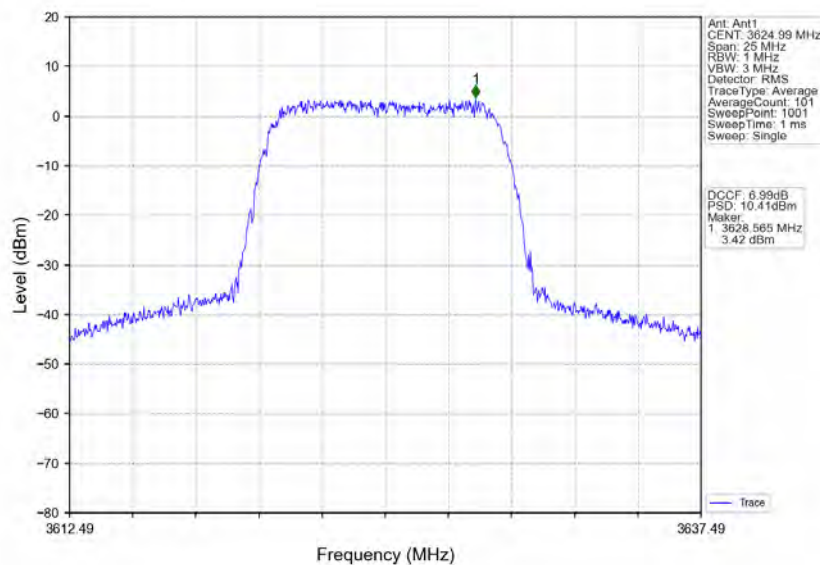
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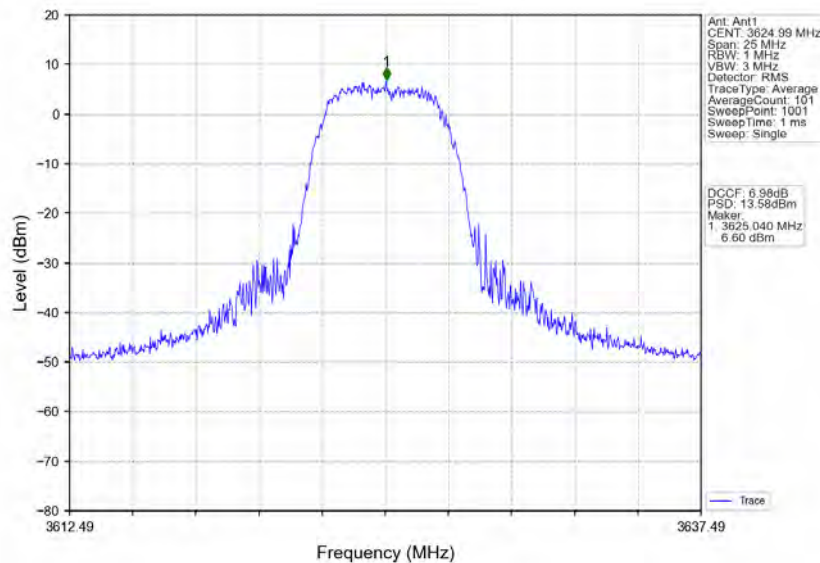
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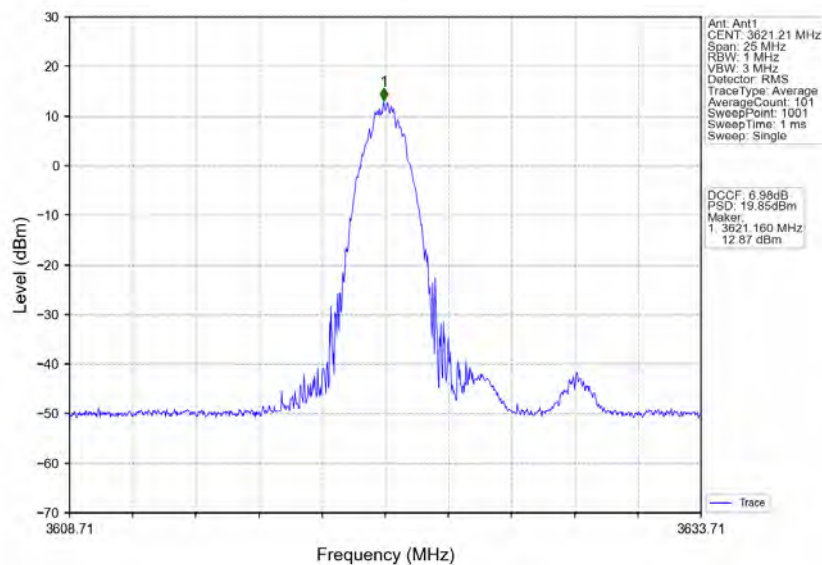
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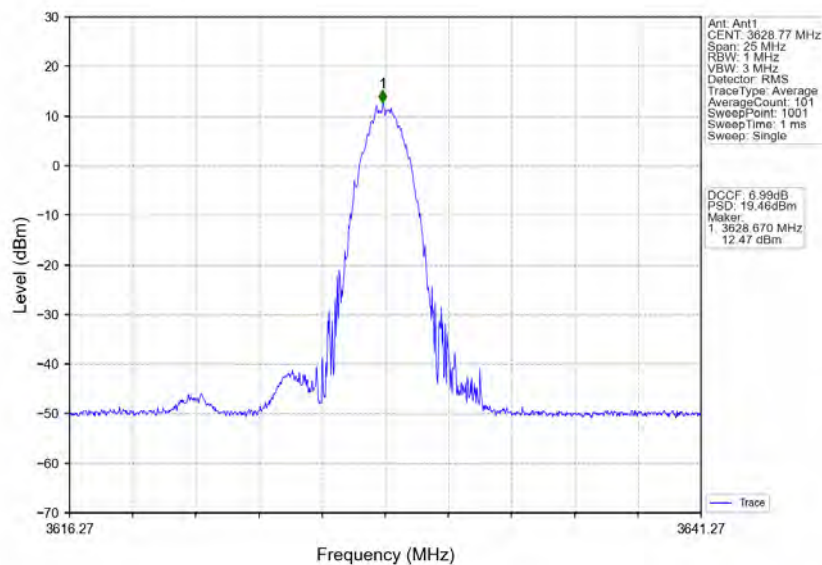
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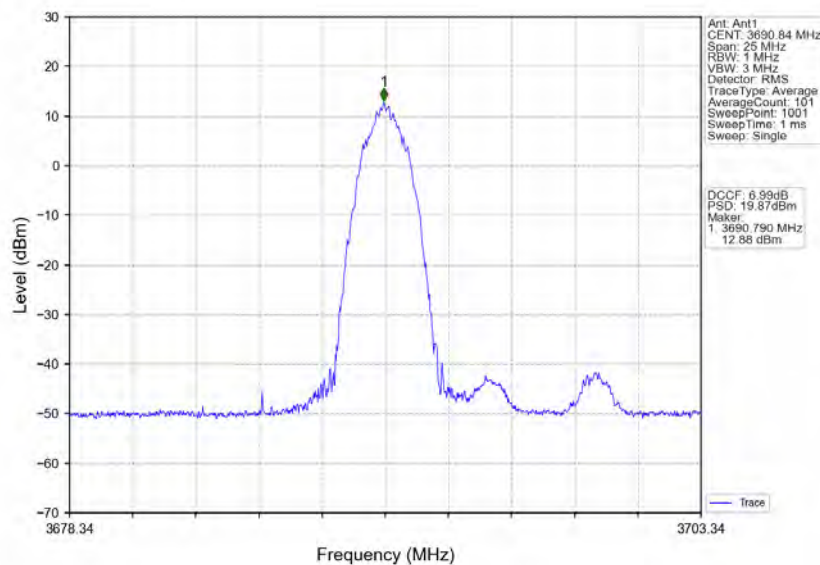
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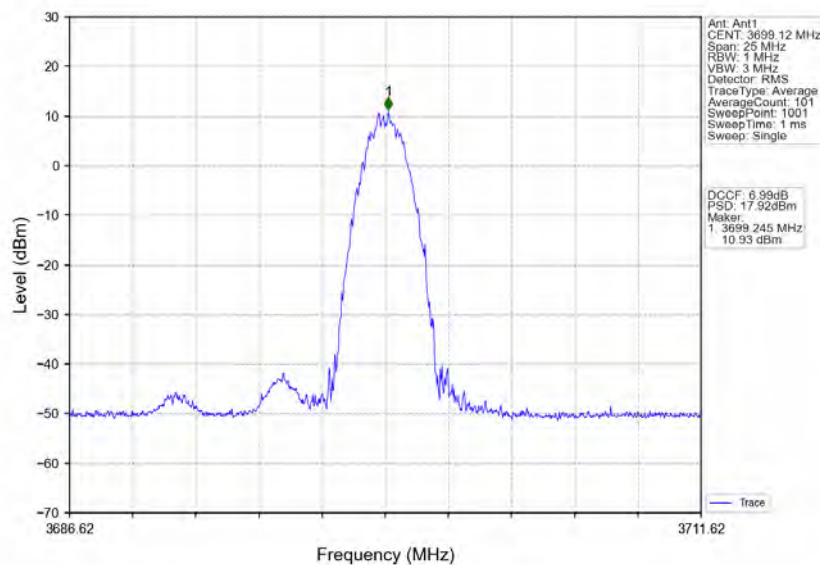
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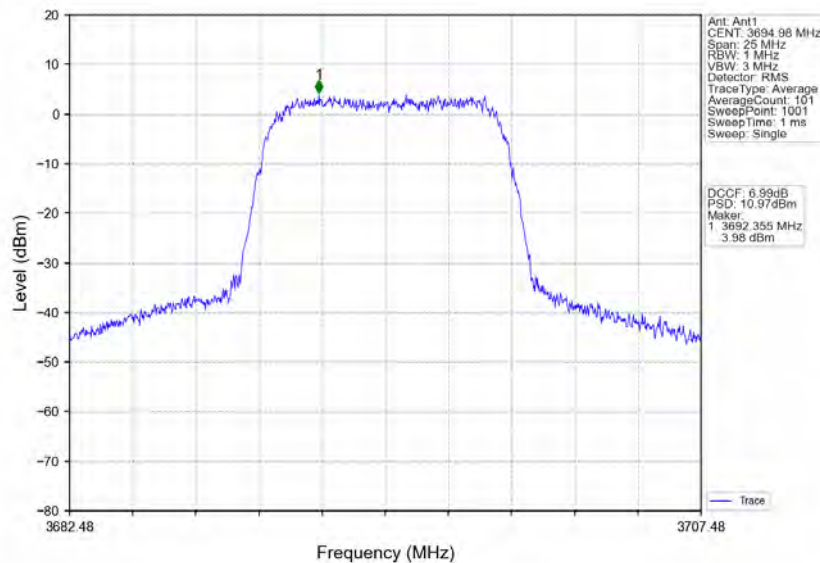
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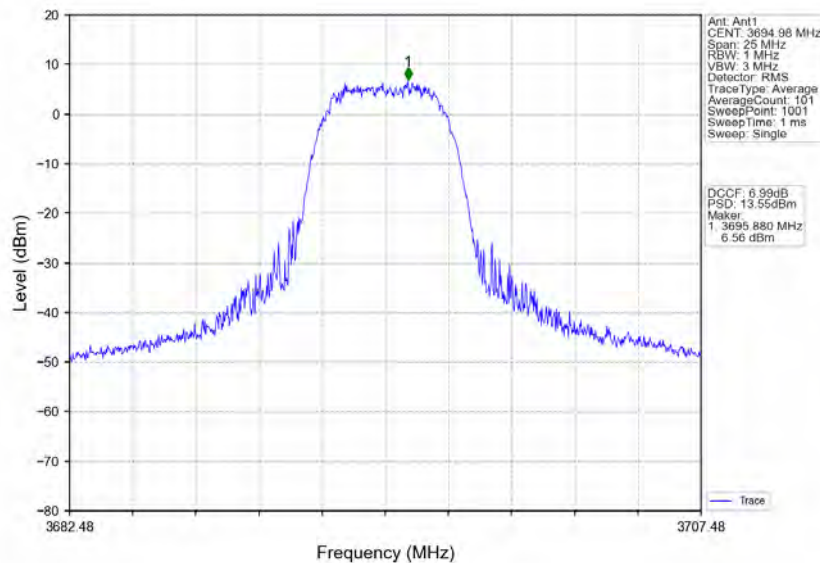
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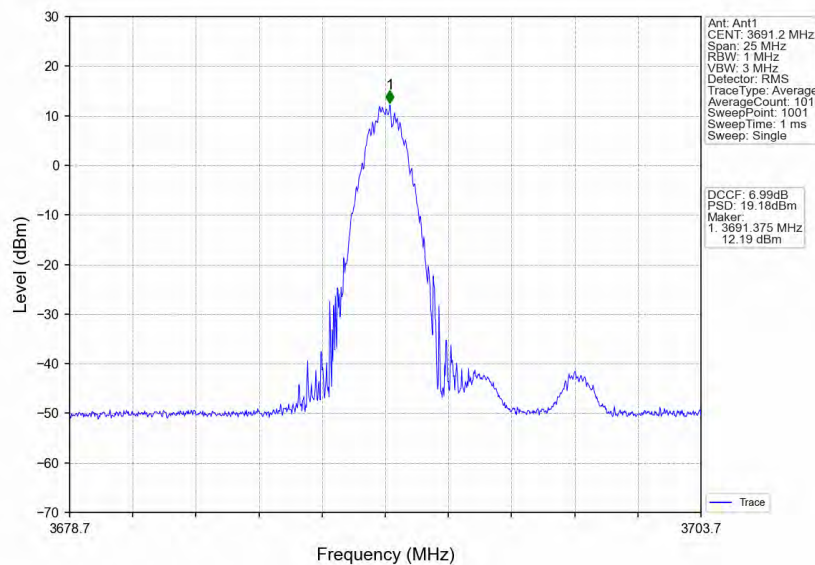
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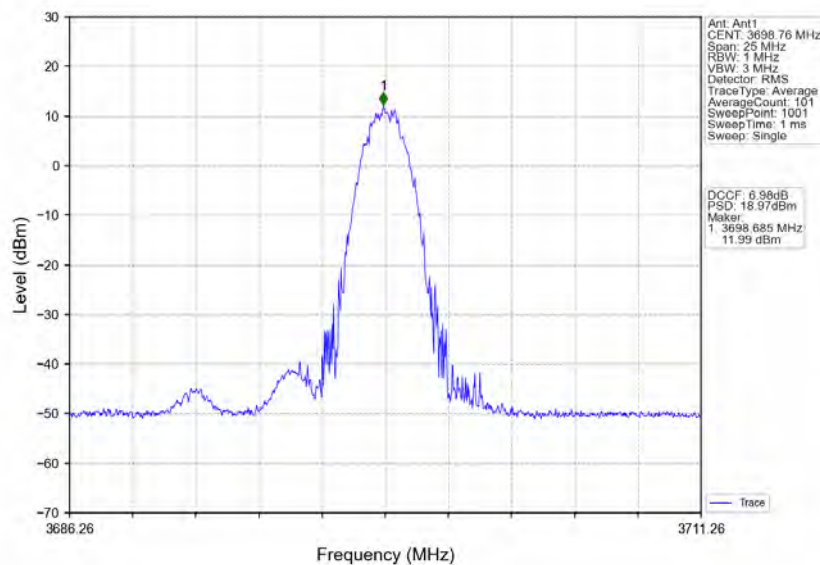
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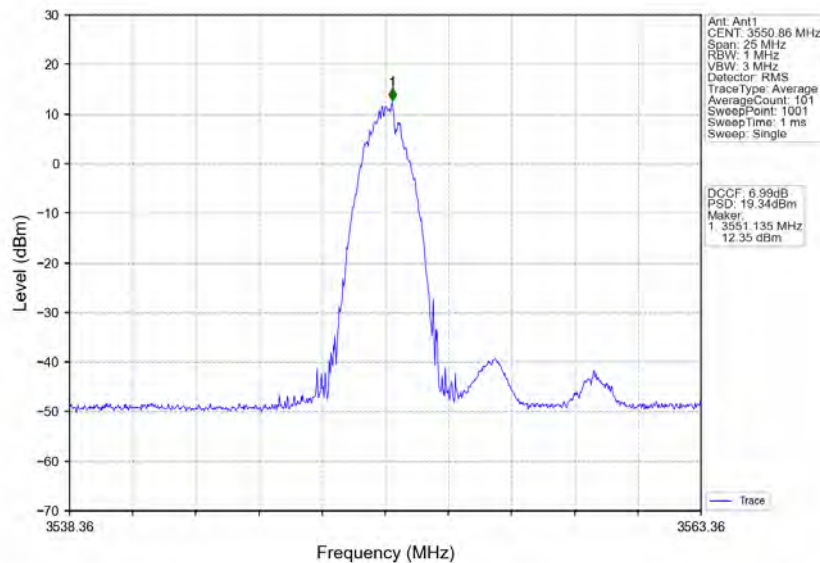
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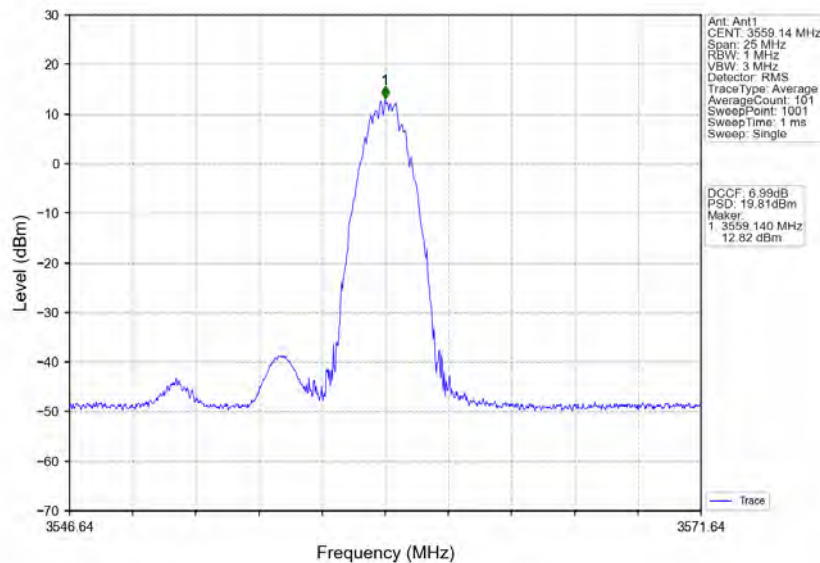
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n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM_256_QAM_3555MHz_Edge_1RB_Left



n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM_256_QAM_3555MHz_Edge_1RB_Right



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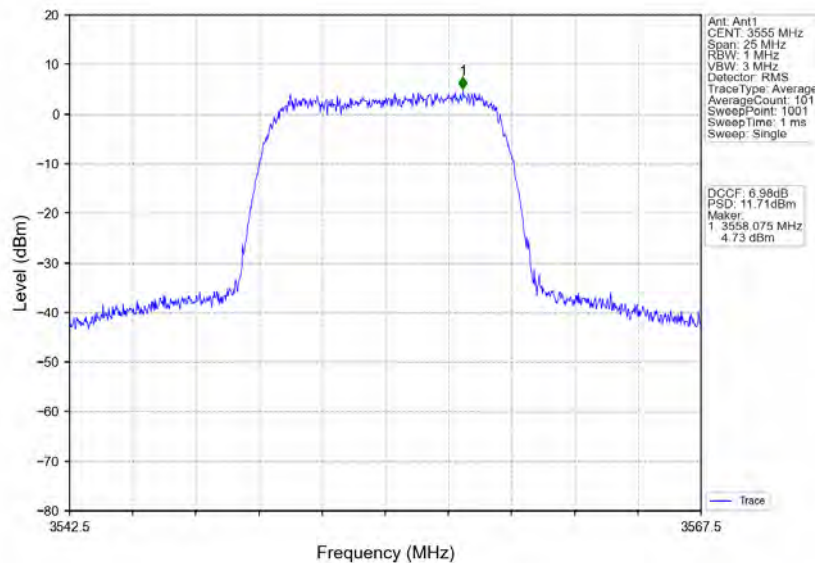
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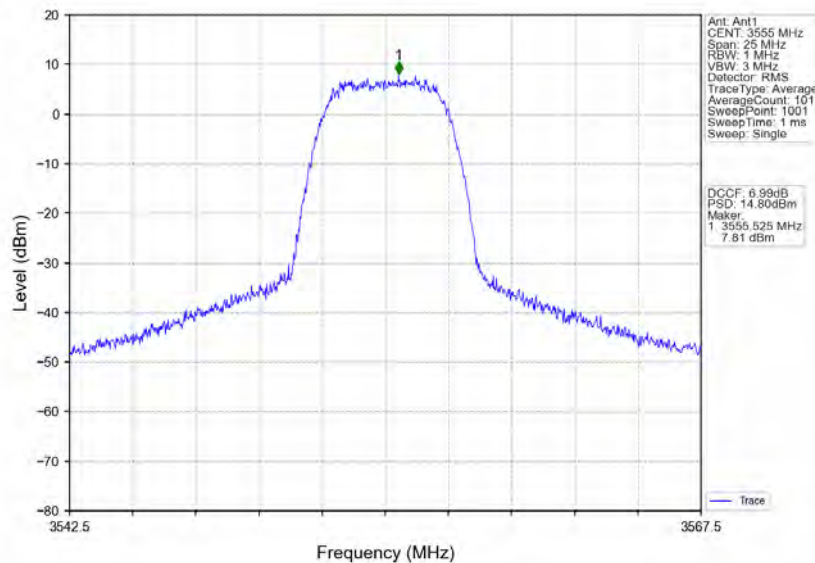
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n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM_256_QAM_3555MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM_256_QAM_3555MHz_Inner_Full



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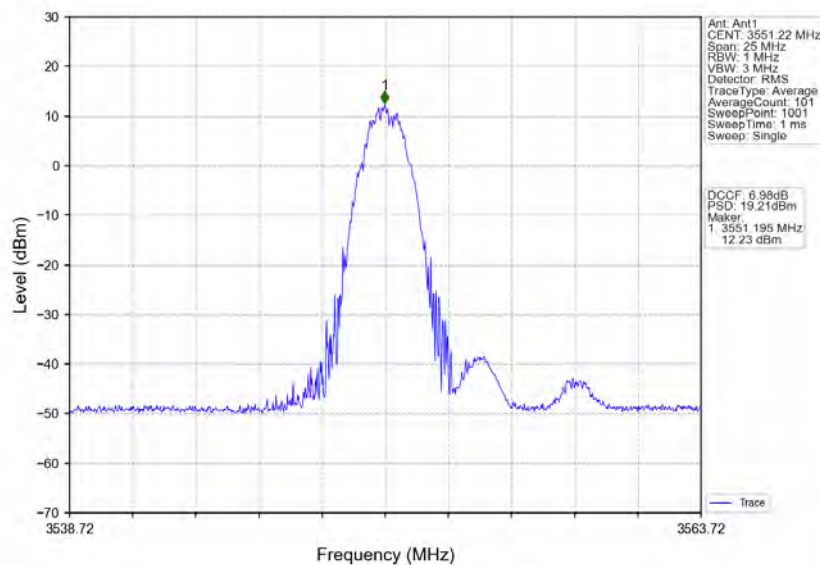
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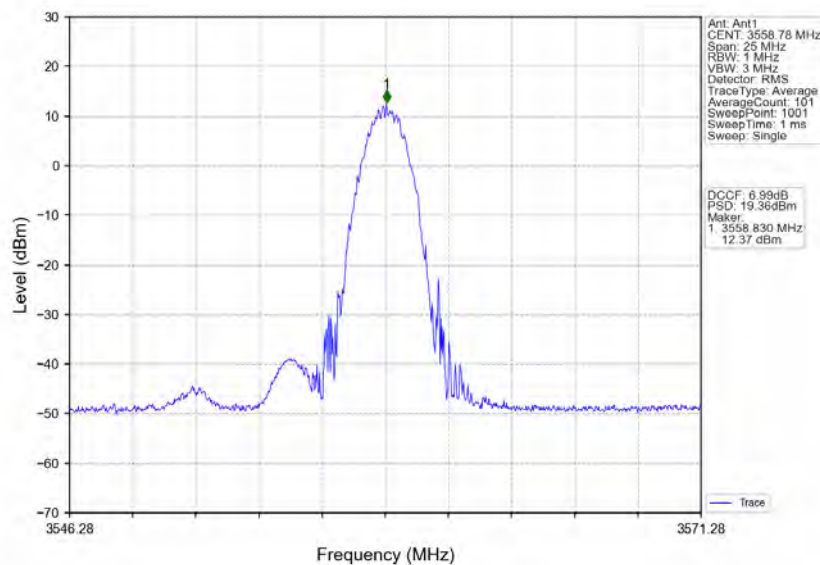
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n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM_256_QAM_3555MHz_Inner_1RB_Left



n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM_256_QAM_3555MHz_Inner_1RB_Right



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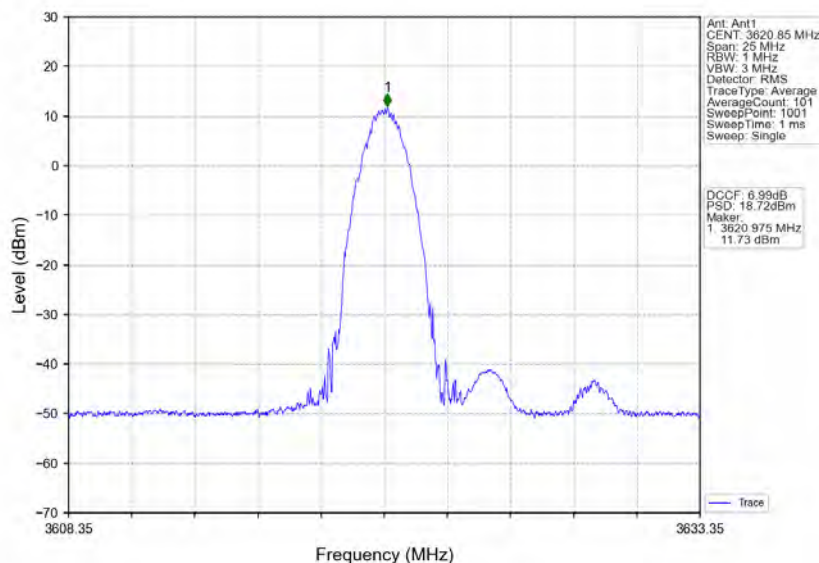
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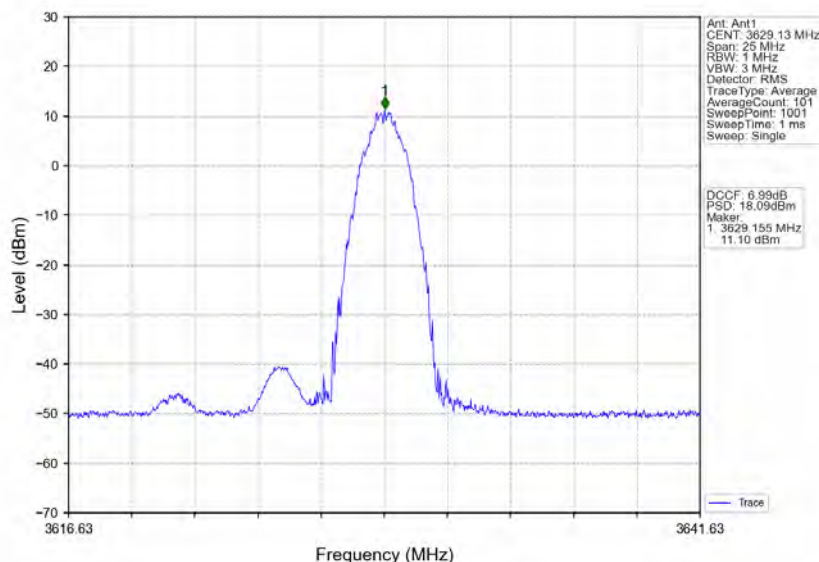
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n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM_256_QAM_3624.99MHz_Edge_1RB_Left



n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM_256_QAM_3624.99MHz_Edge_1RB_Right



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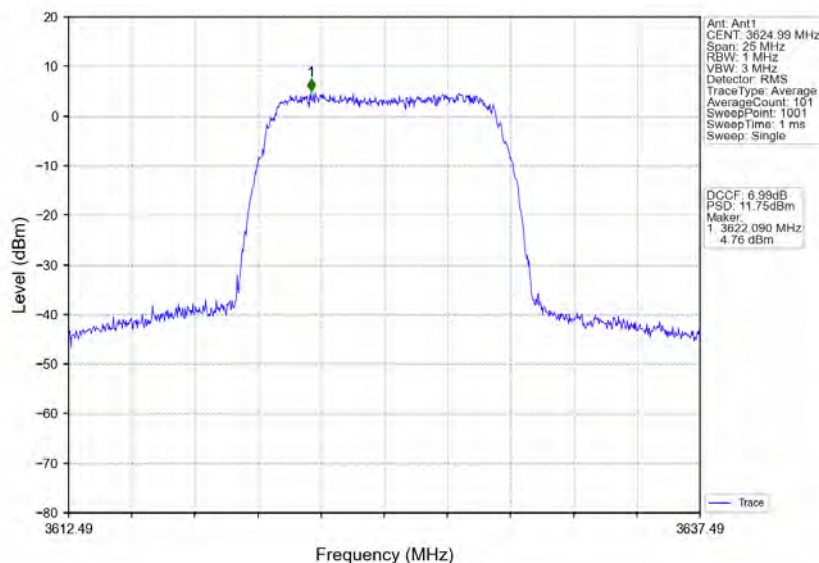
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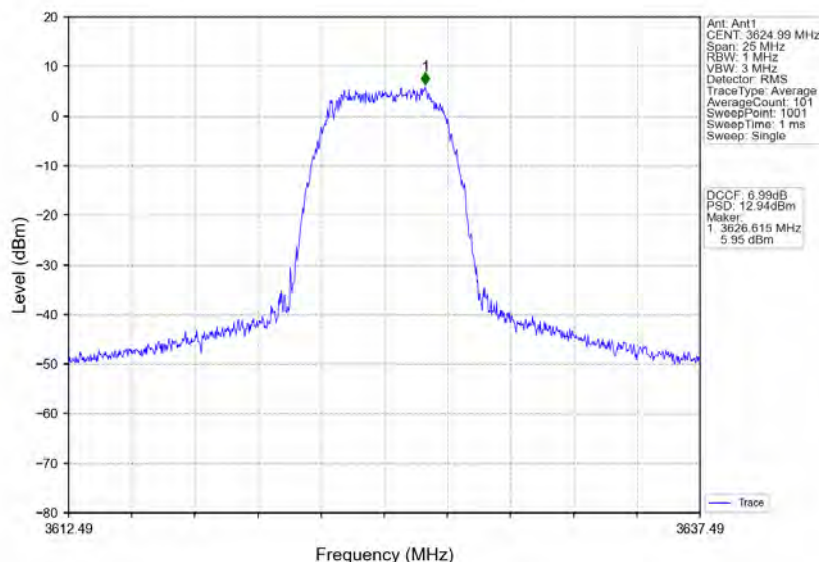
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n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM_256_QAM_3624.99MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM_256_QAM_3624.99MHz_Inner_Full



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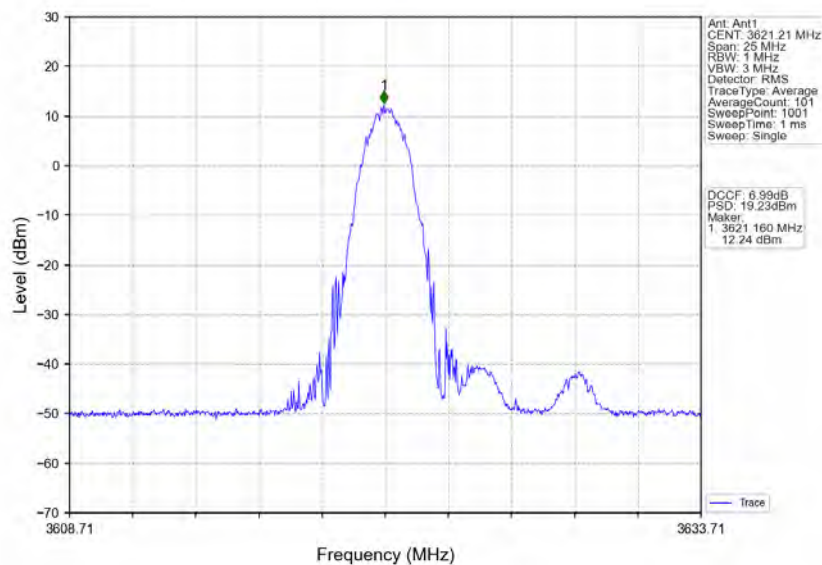
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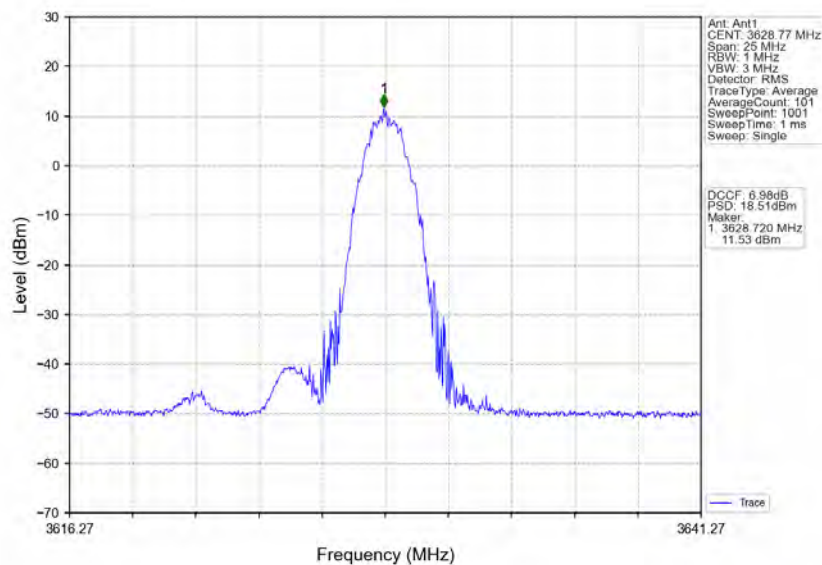
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n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM 256 QAM 3624.99MHz_Inner_1RB_Left



n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM 256 QAM 3624.99MHz_Inner_1RB_Right



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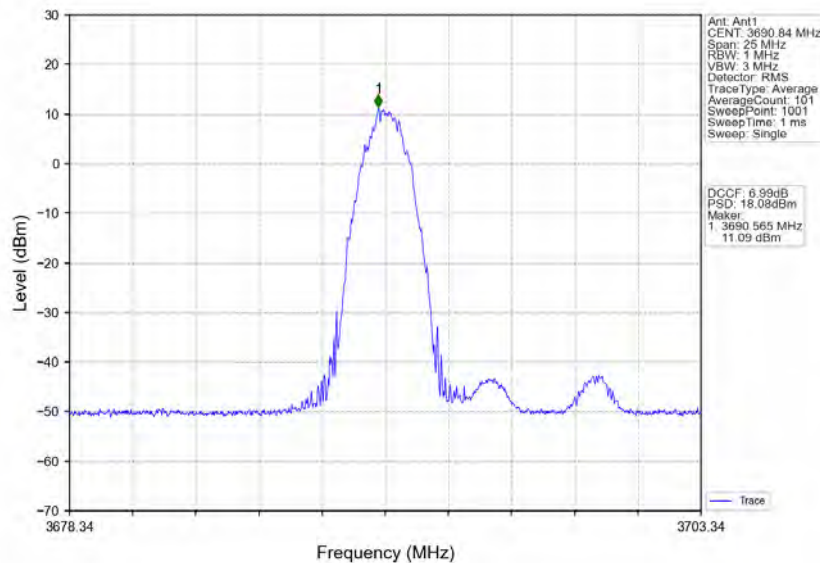
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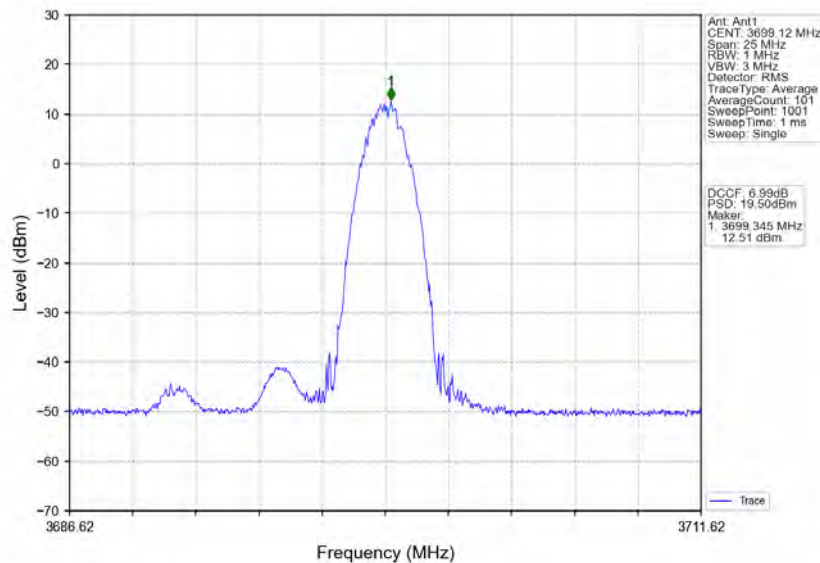
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n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM_256_QAM_3694.98MHz_Edge_1RB_Left



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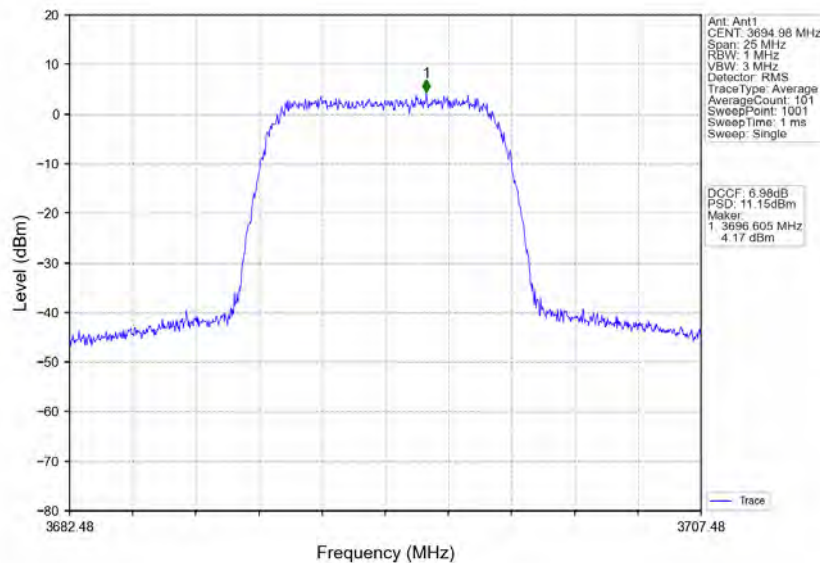
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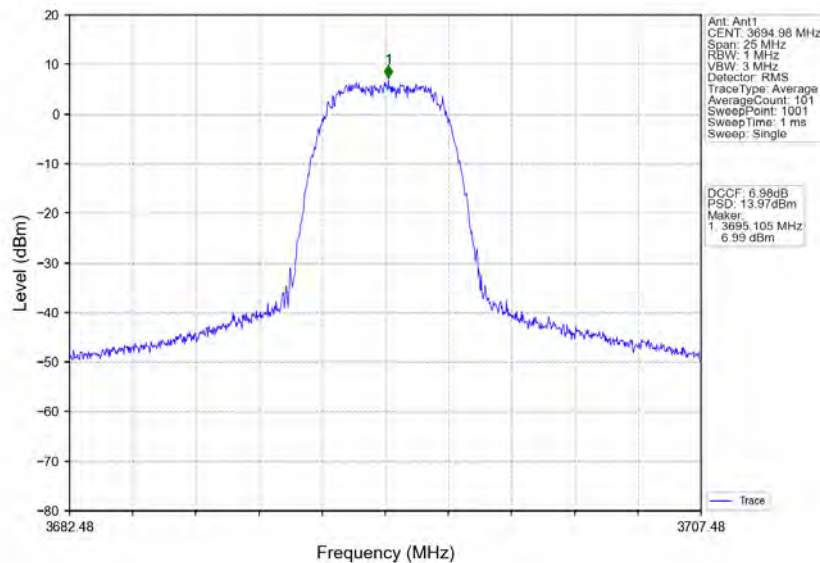
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n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM_256_QAM_3694.98MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM_256_QAM_3694.98MHz_Inner_Full



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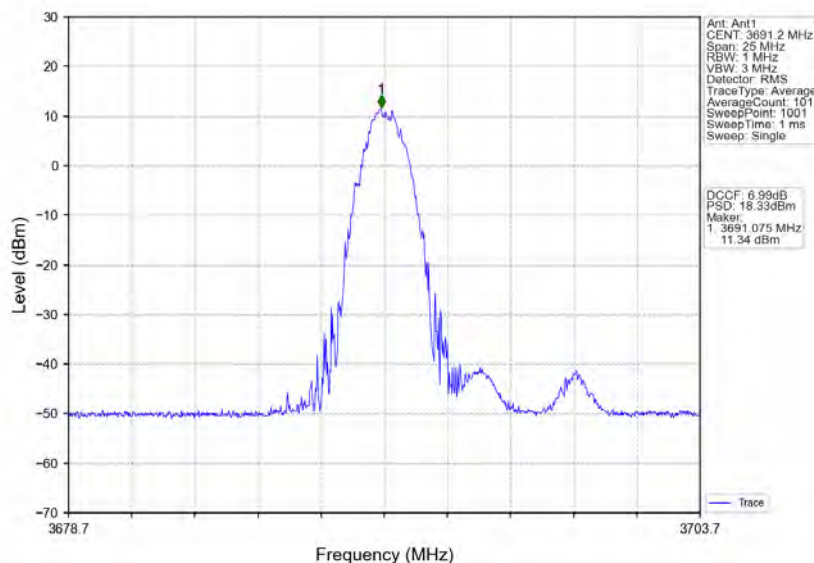
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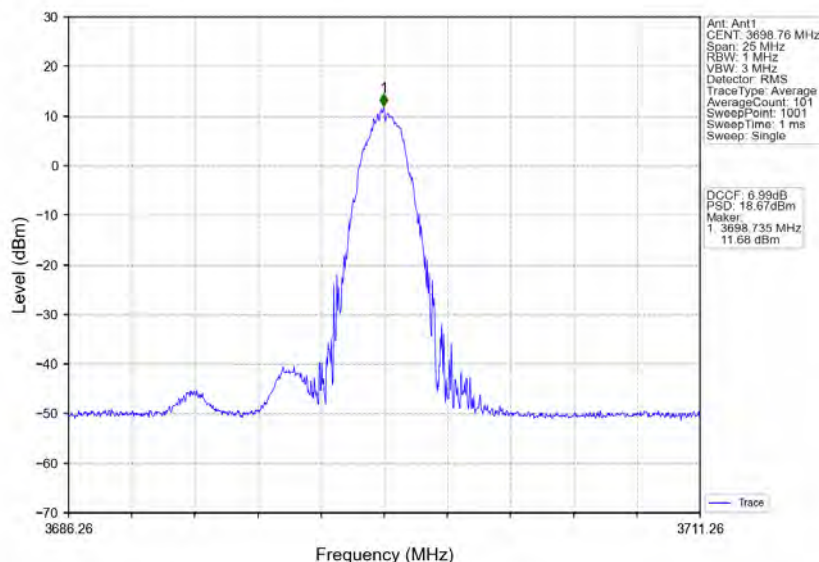
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n78d_30kHz_MIMO_NTNV_10MHz_CP-OFDM 256 QAM 3694.98MHz_Inner_1RB_Left



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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	19.27	19.23	22.26	33.59	33.58	36.60	-	Pass
		Edge 1RB Right	19.18	19.29	22.25	33.50	33.64	36.58	-	Pass
		Outer Full	19.31	19.22	22.28	33.63	33.57	36.61	-	Pass
		Inner Full	19.23	19.26	22.26	33.55	33.61	36.59	-	Pass
		Inner 1RB Left	19.26	19.19	22.24	33.58	33.54	36.57	-	Pass
		Inner 1RB Right	19.30	19.23	22.28	33.62	33.58	36.61	-	Pass
	3624.99	Edge 1RB Left	19.38	19.42	22.41	33.70	33.77	36.75	-	Pass
		Edge 1RB Right	19.41	19.35	22.39	33.73	33.70	36.73	-	Pass
		Outer Full	19.46	19.38	22.43	33.78	33.73	36.77	-	Pass
		Inner Full	19.35	19.30	22.34	33.67	33.65	36.67	-	Pass
		Inner 1RB Left	19.36	19.32	22.35	33.68	33.67	36.69	-	Pass
		Inner 1RB Right	19.27	19.37	22.33	33.59	33.72	36.67	-	Pass
	3692.49	Edge 1RB Left	18.95	18.89	21.93	33.27	33.24	36.27	-	Pass
		Edge 1RB Right	18.94	18.98	21.97	33.26	33.33	36.31	-	Pass
		Outer Full	18.97	19.01	22.00	33.29	33.36	36.34	-	Pass
		Inner Full	18.87	18.87	21.88	33.19	33.22	36.22	-	Pass
		Inner 1RB Left	18.95	18.97	21.97	33.27	33.32	36.31	-	Pass
		Inner 1RB Right	18.86	18.93	21.91	33.18	33.28	36.24	-	Pass
CP-OFDM 16 QAM	3557.52	Edge 1RB Left	19.40	19.39	22.41	33.72	33.74	36.74	-	Pass
		Edge 1RB Right	19.48	19.37	22.44	33.80	33.72	36.77	-	Pass
		Outer Full	19.32	19.30	22.32	33.64	33.65	36.66	-	Pass
		Inner Full	19.25	19.21	22.24	33.57	33.56	36.58	-	Pass
		Inner 1RB Left	19.32	19.30	22.32	33.64	33.65	36.66	-	Pass
		Inner 1RB Right	19.37	19.38	22.39	33.69	33.73	36.72	-	Pass
	3624.99	Edge 1RB Left	19.54	19.60	22.58	33.86	33.95	36.92	-	Pass
		Edge 1RB Right	19.53	19.50	22.53	33.85	33.85	36.86	-	Pass
		Outer Full	19.41	19.37	22.40	33.73	33.72	36.74	-	Pass
		Inner Full	19.33	19.42	22.39	33.65	33.77	36.72	-	Pass
		Inner 1RB Left	19.55	19.52	22.55	33.87	33.87	36.88	-	Pass
		Inner 1RB Right	19.45	19.41	22.44	33.77	33.76	36.78	-	Pass
	3692.49	Edge 1RB Left	19.10	19.05	22.09	33.42	33.40	36.42	-	Pass
		Edge 1RB Right	19.04	19.13	22.10	33.36	33.48	36.43	-	Pass
		Outer Full	18.94	18.91	21.94	33.26	33.26	36.27	-	Pass
		Inner Full	18.92	18.94	21.94	33.24	33.29	36.28	-	Pass
		Inner 1RB Left	18.99	19.09	22.05	33.31	33.44	36.39	-	Pass
		Inner 1RB Right	18.98	19.04	22.02	33.30	33.39	36.36	-	Pass
CP-OFDM 64 QAM	3557.52	Edge 1RB Left	19.37	19.29	22.34	33.69	33.64	36.68	-	Pass
		Edge 1RB Right	19.55	19.50	22.54	33.87	33.85	36.87	-	Pass
		Outer Full	19.31	19.23	22.28	33.63	33.58	36.62	-	Pass
		Inner Full	19.21	19.28	22.26	33.53	33.63	36.59	-	Pass
		Inner 1RB Left	19.44	19.35	22.41	33.76	33.70	36.74	-	Pass
		Inner 1RB Right	19.47	19.37	22.43	33.79	33.72	36.77	-	Pass
	3624.99	Edge 1RB Left	19.52	19.53	22.54	33.84	33.88	36.87	-	Pass
		Edge 1RB Right	19.49	19.47	22.49	33.81	33.82	36.83	-	Pass

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CP-OFDM 256 QAM		Outer_Full	19.34	19.42	22.39	33.66	33.77	36.73	-	Pass
		Inner_Full	19.48	19.47	22.49	33.80	33.82	36.82	-	Pass
		Inner_1RB_Left	19.52	19.52	22.53	33.84	33.87	36.87	-	Pass
		Inner_1RB_Right	19.56	19.48	22.53	33.88	33.83	36.87	-	Pass
	3692.49	Edge_1RB_Left	19.00	19.12	22.07	33.32	33.47	36.41	-	Pass
		Edge_1RB_Right	19.14	19.06	22.11	33.46	33.41	36.45	-	Pass
		Outer_Full	18.94	18.99	21.98	33.26	33.34	36.31	-	Pass
		Inner_Full	18.92	18.98	21.96	33.24	33.33	36.30	-	Pass
		Inner_1RB_Left	19.17	19.07	22.13	33.49	33.42	36.47	-	Pass
		Inner_1RB_Right	19.15	19.11	22.14	33.47	33.46	36.48	-	Pass
		Edge_1RB_Left	19.16	19.17	22.18	33.48	33.52	36.51	-	Pass
		Edge_1RB_Right	19.20	19.22	22.22	33.52	33.57	36.56	-	Pass
	3557.52	Outer_Full	19.25	19.20	22.24	33.57	33.55	36.57	-	Pass
		Inner_Full	19.29	19.27	22.29	33.61	33.62	36.63	-	Pass
		Inner_1RB_Left	19.23	19.08	22.17	33.55	33.43	36.50	-	Pass
		Inner_1RB_Right	19.25	19.26	22.27	33.57	33.61	36.60	-	Pass
	3624.99	Edge_1RB_Left	19.36	19.34	22.36	33.68	33.69	36.70	-	Pass
		Edge_1RB_Right	19.27	19.25	22.27	33.59	33.60	36.61	-	Pass
		Outer_Full	19.38	19.40	22.40	33.70	33.75	36.74	-	Pass
		Inner_Full	19.42	19.31	22.38	33.74	33.66	36.71	-	Pass
		Inner_1RB_Left	19.32	19.33	22.34	33.64	33.68	36.67	-	Pass
		Inner_1RB_Right	19.29	19.22	22.27	33.61	33.57	36.60	-	Pass
	3692.49	Edge_1RB_Left	18.86	18.90	21.89	33.18	33.25	36.23	-	Pass
		Edge_1RB_Right	18.92	18.95	21.95	33.24	33.30	36.28	-	Pass
		Outer_Full	18.93	18.97	21.96	33.25	33.32	36.30	-	Pass
		Inner_Full	18.83	18.94	21.90	33.15	33.29	36.23	-	Pass
		Inner_1RB_Left	18.81	18.86	21.85	33.13	33.21	36.18	-	Pass
		Inner_1RB_Right	18.93	18.87	21.91	33.25	33.22	36.25	-	Pass

Note1: Antenna Gain: Ant1: 14.32dBi; Ant2: 14.35dBi;
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	18.99	18.08	21.57	33.31	32.43	35.90	<=47	Pass
		Edge_1RB_Right	18.85	18.85	21.86	33.17	33.20	36.20	<=47	Pass
		Outer_Full	17.47	17.44	20.47	31.79	31.79	34.80	<=47	Pass
		Inner_Full	18.36	18.15	21.27	32.68	32.50	35.60	<=47	Pass
		Inner_1RB_Left	18.88	19.33	22.12	33.20	33.68	36.46	<=47	Pass
		Inner_1RB_Right	18.21	18.56	21.40	32.53	32.91	35.73	<=47	Pass
	3624.99	Edge_1RB_Left	17.79	17.93	20.87	32.11	32.28	35.21	<=47	Pass
		Edge_1RB_Right	17.12	19.64	21.57	31.44	33.99	35.91	<=47	Pass
		Outer_Full	16.97	16.62	19.81	31.29	30.97	34.14	<=47	Pass
		Inner_Full	17.98	17.66	20.83	32.30	32.01	35.17	<=47	Pass
		Inner_1RB_Left	18.27	19.46	21.92	32.59	33.81	36.25	<=47	Pass
		Inner_1RB_Right	17.56	17.76	20.67	31.88	32.11	35.01	<=47	Pass
	3692.49	Edge_1RB_Left	17.18	18.24	20.75	31.50	32.59	35.09	<=47	Pass



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		Edge 1RB Right	17.52	17.31	20.43	31.84	31.66	34.76	<=47	Pass
		Outer Full	16.53	16.53	19.54	30.85	30.88	33.88	<=47	Pass
		Inner Full	17.35	17.74	20.56	31.67	32.09	34.90	<=47	Pass
		Inner 1RB Left	17.68	18.03	20.87	32.00	32.38	35.20	<=47	Pass
		Inner 1RB Right	17.90	18.17	21.05	32.22	32.52	35.38	<=47	Pass
CP-OFDM 16 QAM	3557.52	Edge 1RB Left	18.87	19.26	22.08	33.19	33.61	36.42	<=47	Pass
		Edge 1RB Right	19.09	18.23	21.69	33.41	32.58	36.03	<=47	Pass
		Outer Full	17.30	17.78	20.56	31.62	32.13	34.89	<=47	Pass
		Inner Full	18.64	18.92	21.79	32.96	33.27	36.13	<=47	Pass
		Inner 1RB Left	19.30	19.55	22.44	33.62	33.90	36.77	<=47	Pass
		Inner 1RB Right	18.99	17.99	21.53	33.31	32.34	35.86	<=47	Pass
	3624.99	Edge 1RB Left	18.40	17.31	20.90	32.72	31.66	35.23	<=47	Pass
		Edge 1RB Right	17.99	18.23	21.12	32.31	32.58	35.46	<=47	Pass
		Outer Full	17.13	17.19	20.17	31.45	31.54	34.51	<=47	Pass
		Inner Full	18.55	18.67	21.62	32.87	33.02	35.96	<=47	Pass
		Inner 1RB Left	18.29	18.64	21.48	32.61	32.99	35.81	<=47	Pass
		Inner 1RB Right	17.99	16.26	20.22	32.31	30.61	34.55	<=47	Pass
	3692.49	Edge 1RB Left	18.01	17.06	20.57	32.33	31.41	34.90	<=47	Pass
		Edge 1RB Right	17.53	18.11	20.84	31.85	32.46	35.18	<=47	Pass
		Outer Full	16.96	16.87	19.93	31.28	31.22	34.26	<=47	Pass
		Inner Full	18.21	18.19	21.21	32.53	32.54	35.55	<=47	Pass
		Inner 1RB Left	18.46	18.17	21.33	32.78	32.52	35.66	<=47	Pass
		Inner 1RB Right	18.19	18.01	21.11	32.51	32.36	35.45	<=47	Pass
CP-OFDM 64 QAM	3557.52	Edge 1RB Left	18.75	18.85	21.81	33.07	33.20	36.15	<=47	Pass
		Edge 1RB Right	19.48	19.08	22.29	33.80	33.43	36.63	<=47	Pass
		Outer Full	17.33	16.93	20.14	31.65	31.28	34.48	<=47	Pass
		Inner Full	17.93	19.00	21.51	32.25	33.35	35.85	<=47	Pass
		Inner 1RB Left	18.06	18.22	21.15	32.38	32.57	35.49	<=47	Pass
		Inner 1RB Right	18.44	18.89	21.68	32.76	33.24	36.02	<=47	Pass
	3624.99	Edge 1RB Left	18.13	17.75	20.95	32.45	32.10	35.29	<=47	Pass
		Edge 1RB Right	17.97	19.62	21.88	32.29	33.97	36.22	<=47	Pass
		Outer Full	16.92	15.66	19.35	31.24	30.01	33.68	<=47	Pass
		Inner Full	18.11	19.00	21.59	32.43	33.35	35.92	<=47	Pass
		Inner 1RB Left	18.61	19.03	21.84	32.93	33.38	36.17	<=47	Pass
		Inner 1RB Right	18.72	17.52	21.17	33.04	31.87	35.50	<=47	Pass
	3692.49	Edge 1RB Left	18.16	18.92	21.57	32.48	33.27	35.90	<=47	Pass
		Edge 1RB Right	18.12	17.04	20.62	32.44	31.39	34.96	<=47	Pass
		Outer Full	16.39	17.41	19.94	30.71	31.76	34.28	<=47	Pass
		Inner Full	17.91	18.49	21.22	32.23	32.84	35.56	<=47	Pass
		Inner 1RB Left	17.94	18.30	21.13	32.26	32.65	35.47	<=47	Pass
		Inner 1RB Right	17.77	16.92	20.38	32.09	31.27	34.71	<=47	Pass
CP-OFDM 256 QAM	3557.52	Edge 1RB Left	18.50	17.41	21.00	32.82	31.76	35.33	<=47	Pass
		Edge 1RB Right	18.54	19.69	22.16	32.86	34.04	36.50	<=47	Pass
		Outer Full	17.23	17.68	20.47	31.55	32.03	34.81	<=47	Pass
		Inner Full	18.22	19.08	21.68	32.54	33.43	36.02	<=47	Pass
		Inner 1RB Left	18.86	18.06	21.49	33.18	32.41	35.82	<=47	Pass
		Inner 1RB Right	18.72	18.00	21.39	33.04	32.35	35.72	<=47	Pass
	3624.99	Edge 1RB Left	18.53	17.78	21.18	32.85	32.13	35.52	<=47	Pass
		Edge 1RB Right	17.90	16.81	20.40	32.22	31.16	34.73	<=47	Pass
		Outer Full	16.85	16.61	19.74	31.17	30.96	34.08	<=47	Pass
		Inner Full	17.76	18.70	21.27	32.08	33.05	35.60	<=47	Pass
		Inner 1RB Left	18.08	18.80	21.47	32.40	33.15	35.80	<=47	Pass
		Inner 1RB Right	18.14	17.90	21.03	32.46	32.25	35.37	<=47	Pass
	3692.49	Edge 1RB Left	18.40	18.93	21.68	32.72	33.28	36.02	<=47	Pass

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	Edge_1RB_Right	18.07	18.49	21.30	32.39	32.84	35.63	<=47	Pass
	Outer_Full	16.15	16.66	19.42	30.47	31.01	33.76	<=47	Pass
	Inner_Full	17.75	18.01	20.89	32.07	32.36	35.23	<=47	Pass
	Inner_1RB_Left	17.38	18.37	20.91	31.70	32.72	35.25	<=47	Pass
	Inner_1RB_Right	18.26	17.54	20.93	32.58	31.89	35.26	<=47	Pass

Note1: Antenna Gain: Ant1: 14.32dBi; Ant2: 14.35dBi;
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	18.80	19.90	22.40	33.12	34.25	36.73	<=37	Pass
		Edge_1RB_Right	18.77	19.25	22.03	33.09	33.60	36.36	<=37	Pass
		Outer_Full	8.64	9.66	12.19	22.96	24.01	26.53	<=37	Pass
		Inner_Full	11.17	12.76	15.05	25.49	27.11	29.39	<=37	Pass
		Inner_1RB_Left	18.74	19.29	22.03	33.06	33.64	36.37	<=37	Pass
		Inner_1RB_Right	18.66	19.59	22.16	32.98	33.94	36.50	<=37	Pass
	3624.99	Edge_1RB_Left	18.56	18.67	21.63	32.88	33.02	35.96	<=37	Pass
		Edge_1RB_Right	18.23	20.05	22.24	32.55	34.40	36.58	<=37	Pass
		Outer_Full	8.05	8.71	11.40	22.37	23.06	25.74	<=37	Pass
		Inner_Full	11.08	11.94	14.54	25.40	26.29	28.88	<=37	Pass
		Inner_1RB_Left	19.02	20.00	22.55	33.34	34.35	36.88	<=37	Pass
		Inner_1RB_Right	18.03	18.16	21.11	32.35	32.51	35.44	<=37	Pass
	3692.49	Edge_1RB_Left	18.18	18.70	21.46	32.50	33.05	35.79	<=37	Pass
		Edge_1RB_Right	17.58	18.29	20.96	31.90	32.64	35.30	<=37	Pass
		Outer_Full	7.80	7.82	10.82	22.12	22.17	25.16	<=37	Pass
		Inner_Full	10.75	10.88	13.83	25.07	25.23	28.16	<=37	Pass
		Inner_1RB_Left	18.24	18.56	21.41	32.56	32.91	35.75	<=37	Pass
		Inner_1RB_Right	18.48	19.49	22.02	32.80	33.84	36.36	<=37	Pass
CP-OFDM 16 QAM	3557.52	Edge_1RB_Left	19.63	19.61	22.63	33.95	33.96	36.97	<=37	Pass
		Edge_1RB_Right	19.88	18.99	22.47	34.20	33.34	36.80	<=37	Pass
		Outer_Full	8.84	9.82	12.37	23.16	24.17	26.70	<=37	Pass
		Inner_Full	11.06	12.38	14.78	25.38	26.73	29.12	<=37	Pass
		Inner_1RB_Left	18.61	18.88	21.76	32.93	33.23	36.09	<=37	Pass
		Inner_1RB_Right	19.44	19.79	22.63	33.76	34.14	36.96	<=37	Pass
	3624.99	Edge_1RB_Left	18.13	19.61	21.94	32.45	33.96	36.28	<=37	Pass
		Edge_1RB_Right	18.56	18.72	21.65	32.88	33.07	35.99	<=37	Pass
		Outer_Full	8.12	7.97	11.06	22.44	22.32	25.39	<=37	Pass
		Inner_Full	11.52	12.38	14.98	25.84	26.73	29.32	<=37	Pass
		Inner_1RB_Left	18.78	19.54	22.19	33.10	33.89	36.52	<=37	Pass
		Inner_1RB_Right	18.64	17.54	21.14	32.96	31.89	35.47	<=37	Pass
	3692.49	Edge_1RB_Left	18.34	19.39	21.91	32.66	33.74	36.24	<=37	Pass
		Edge_1RB_Right	18.99	20.12	22.60	33.31	34.47	36.94	<=37	Pass
		Outer_Full	7.92	10.00	12.09	22.24	24.35	26.43	<=37	Pass
		Inner_Full	10.84	12.19	14.58	25.16	26.54	28.91	<=37	Pass
		Inner_1RB_Left	18.68	18.32	21.51	33.00	32.67	35.85	<=37	Pass
		Inner_1RB_Right	19.17	18.67	21.94	33.49	33.02	36.27	<=37	Pass



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CP-OFDM 64 QAM	3557.52	Edge_1RB_Left	18.61	19.39	22.03	32.93	33.74	36.36	<=37	Pass
		Edge_1RB_Right	20.06	19.19	22.66	34.38	33.54	36.99	<=37	Pass
		Outer_Full	8.88	10.00	12.49	23.20	24.35	26.82	<=37	Pass
		Inner_Full	12.16	12.55	15.37	26.48	26.90	29.71	<=37	Pass
		Inner_1RB_Left	18.63	19.62	22.16	32.95	33.97	36.50	<=37	Pass
		Inner_1RB_Right	18.88	19.47	22.20	33.20	33.82	36.53	<=37	Pass
	3624.99	Edge_1RB_Left	18.25	19.84	22.13	32.57	34.19	36.47	<=37	Pass
		Edge_1RB_Right	18.01	19.85	22.04	32.33	34.20	36.38	<=37	Pass
		Outer_Full	8.27	8.48	11.39	22.59	22.83	25.72	<=37	Pass
		Inner_Full	10.25	11.67	14.03	24.57	26.02	28.37	<=37	Pass
		Inner_1RB_Left	18.45	18.05	21.26	32.77	32.40	35.60	<=37	Pass
		Inner_1RB_Right	18.83	18.26	21.56	33.15	32.61	35.90	<=37	Pass
	3692.49	Edge_1RB_Left	18.08	18.40	21.25	32.40	32.75	35.59	<=37	Pass
		Edge_1RB_Right	18.14	19.73	22.02	32.46	34.08	36.36	<=37	Pass
		Outer_Full	8.10	8.94	11.55	22.42	23.29	25.89	<=37	Pass
		Inner_Full	10.58	11.54	14.10	24.90	25.89	28.43	<=37	Pass
		Inner_1RB_Left	18.32	18.49	21.42	32.64	32.84	35.75	<=37	Pass
		Inner_1RB_Right	18.78	19.19	22.00	33.10	33.54	36.34	<=37	Pass
CP-OFDM 256 QAM	3557.52	Edge_1RB_Left	18.29	19.41	21.90	32.61	33.76	36.23	<=37	Pass
		Edge_1RB_Right	19.51	19.47	22.50	33.83	33.82	36.84	<=37	Pass
		Outer_Full	8.90	9.95	12.47	23.22	24.30	26.80	<=37	Pass
		Inner_Full	11.85	12.58	15.24	26.17	26.93	29.58	<=37	Pass
		Inner_1RB_Left	18.80	20.19	22.56	33.12	34.54	36.90	<=37	Pass
		Inner_1RB_Right	19.16	19.98	22.60	33.48	34.33	36.94	<=37	Pass
	3624.99	Edge_1RB_Left	18.42	20.14	22.37	32.74	34.49	36.71	<=37	Pass
		Edge_1RB_Right	18.78	20.34	22.64	33.10	34.69	36.98	<=37	Pass
		Outer_Full	8.57	8.06	11.33	22.89	22.41	25.67	<=37	Pass
		Inner_Full	11.20	10.98	14.10	25.52	25.33	28.44	<=37	Pass
		Inner_1RB_Left	19.27	18.63	21.97	33.59	32.98	36.31	<=37	Pass
		Inner_1RB_Right	18.38	18.63	21.52	32.70	32.98	35.85	<=37	Pass
	3692.49	Edge_1RB_Left	19.54	17.89	21.80	33.86	32.24	36.14	<=37	Pass
		Edge_1RB_Right	18.08	19.09	21.62	32.40	33.44	35.96	<=37	Pass
		Outer_Full	7.89	8.84	11.40	22.21	23.19	25.74	<=37	Pass
		Inner_Full	11.05	11.12	14.10	25.37	25.47	28.43	<=37	Pass
		Inner_1RB_Left	17.95	17.06	20.54	32.27	31.41	34.87	<=37	Pass
		Inner_1RB_Right	18.47	18.56	21.53	32.79	32.91	35.86	<=37	Pass

Note1: Antenna Gain: Ant1: 14.32dBi; Ant2: 14.35dBi;
Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2



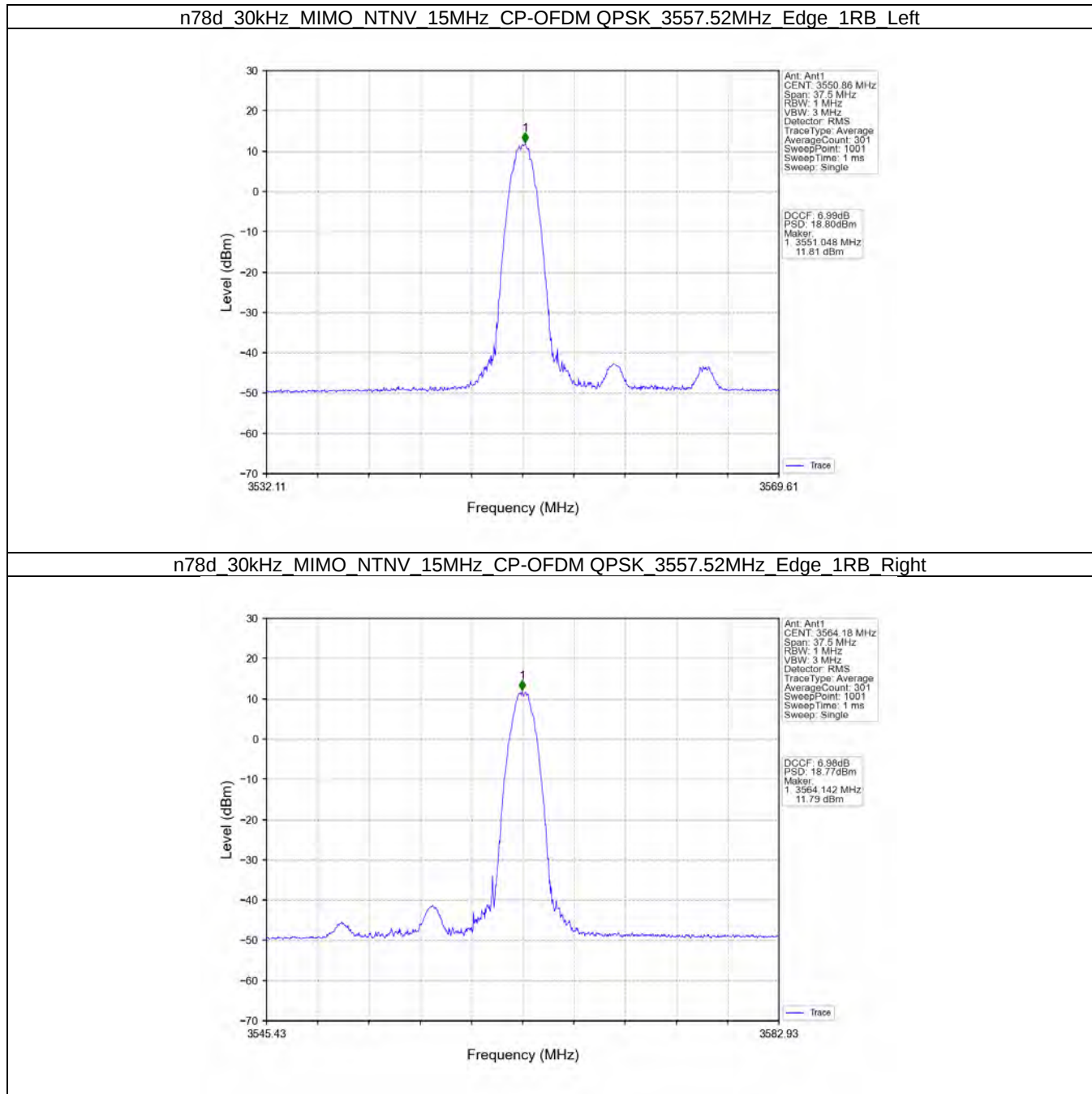
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2.6.2 Test Graph for ANT1



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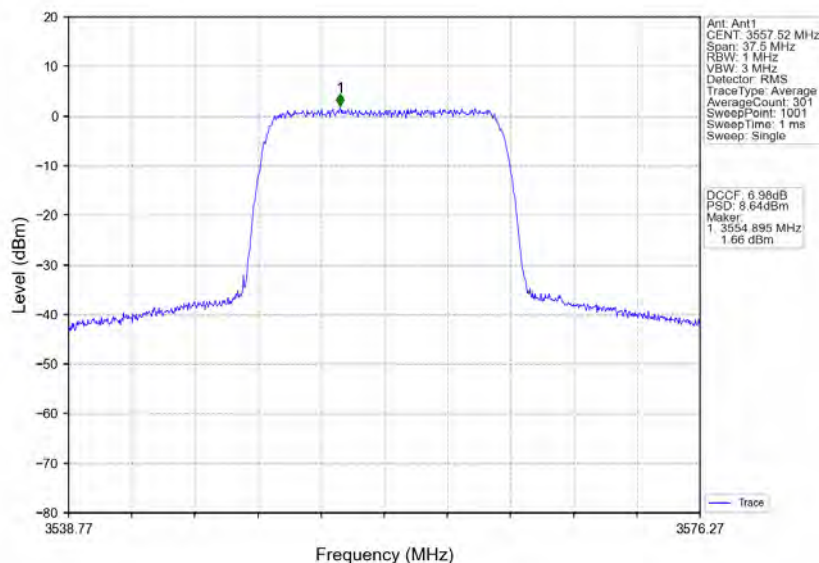
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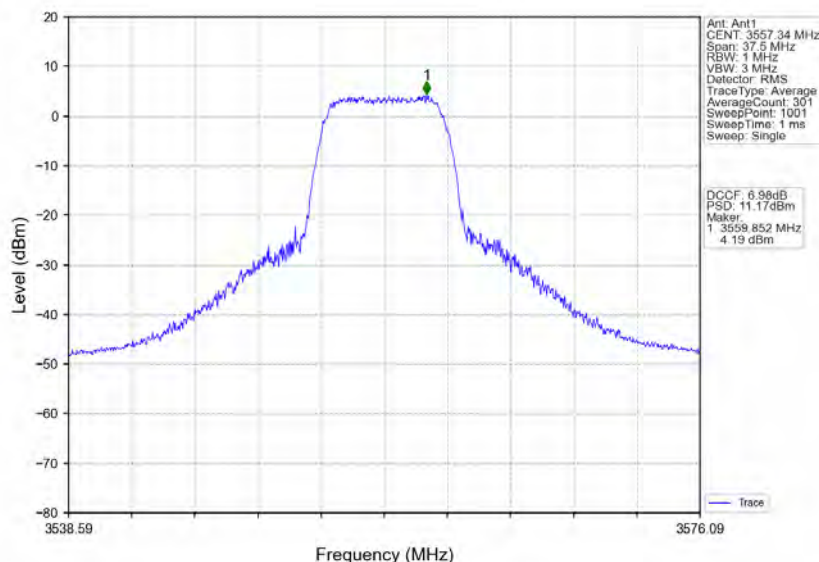
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n78d_30kHz_MIMO_NTNV_15MHz_CP-OFDM QPSK_3557.52MHz_Outer_Full



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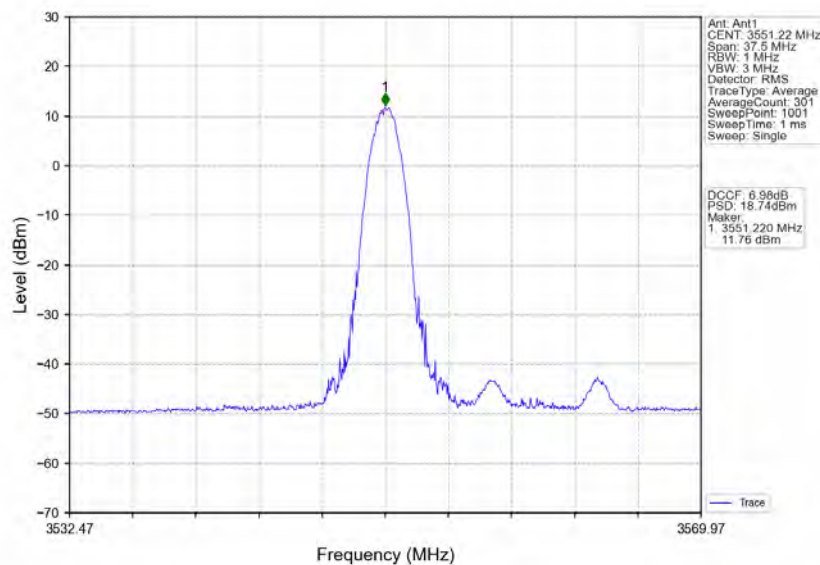
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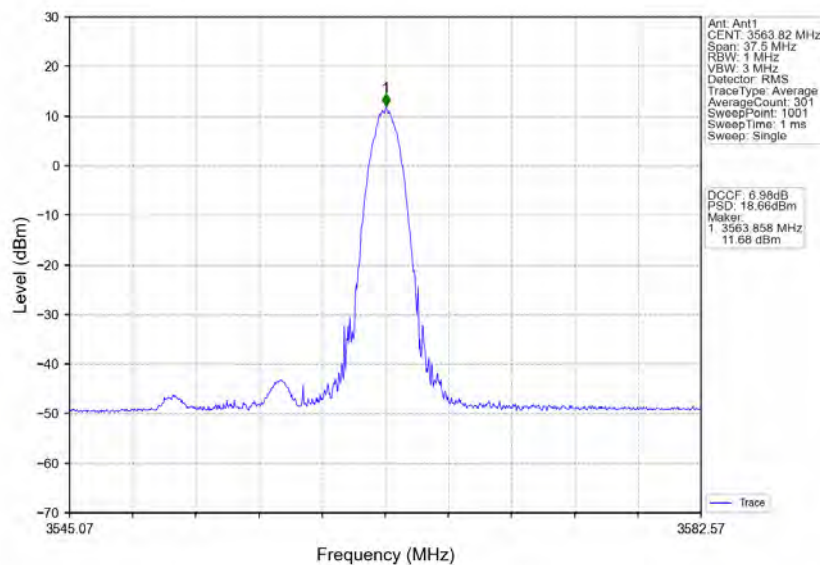
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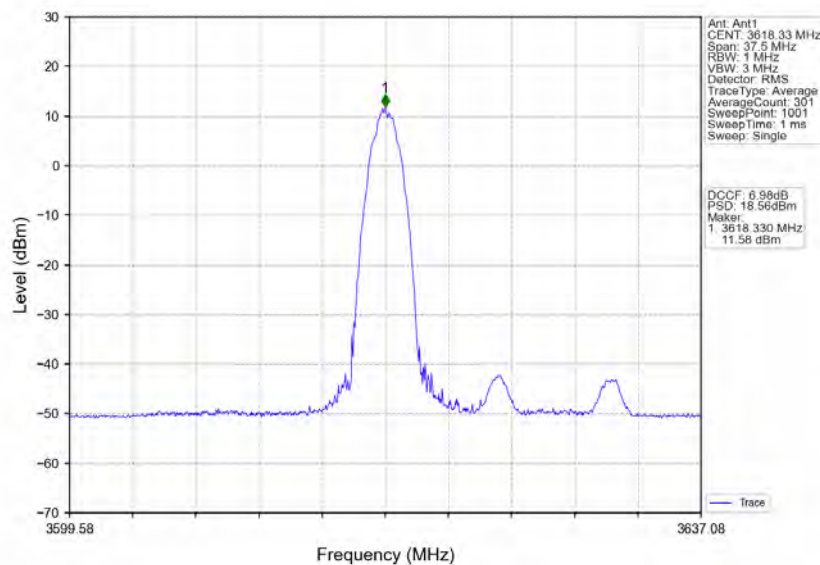
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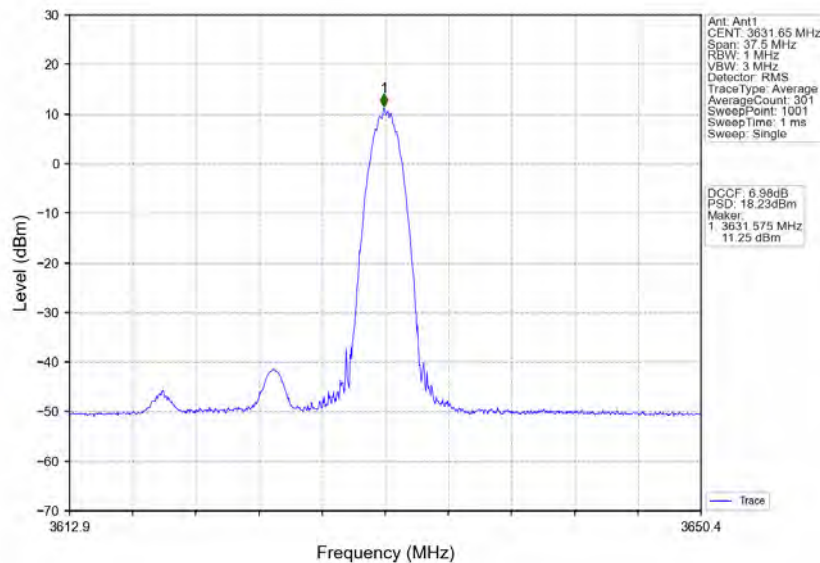
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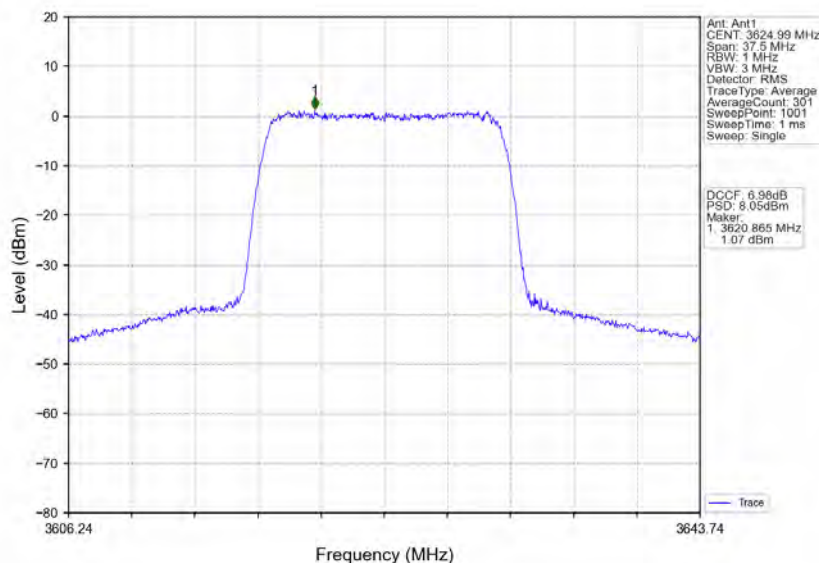
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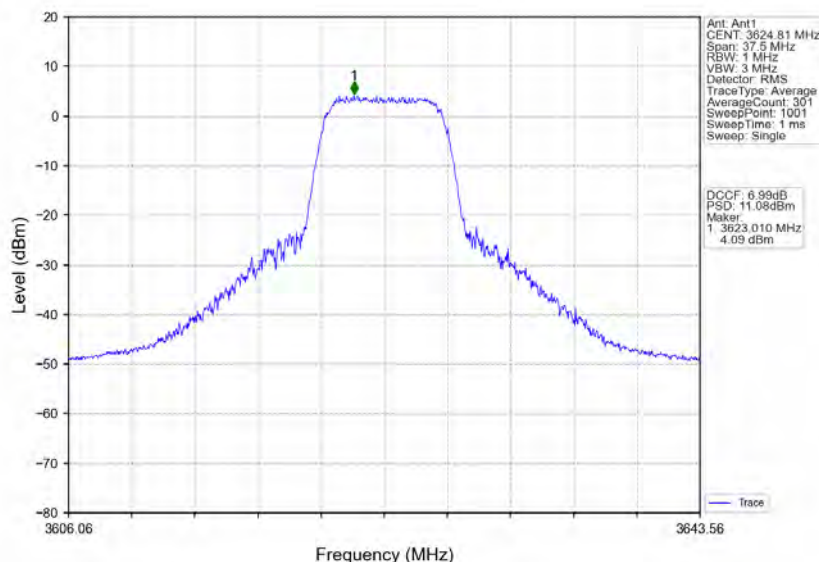
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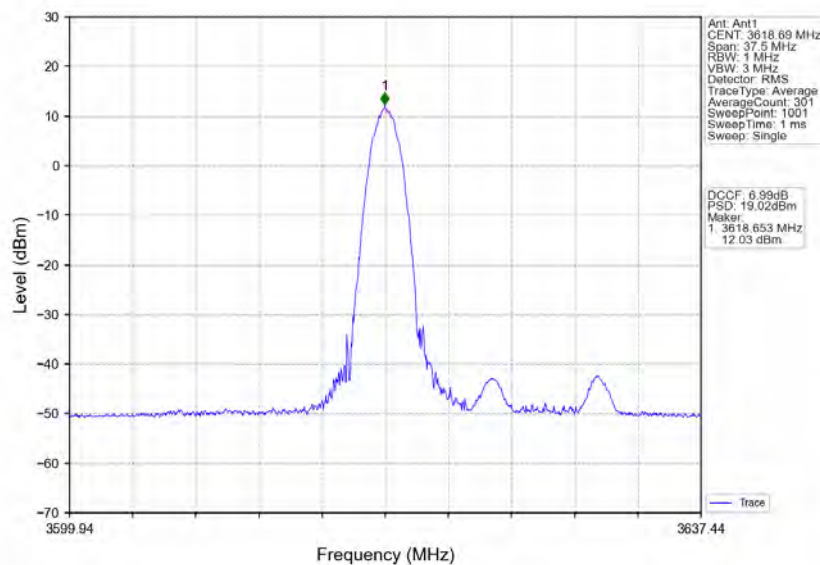
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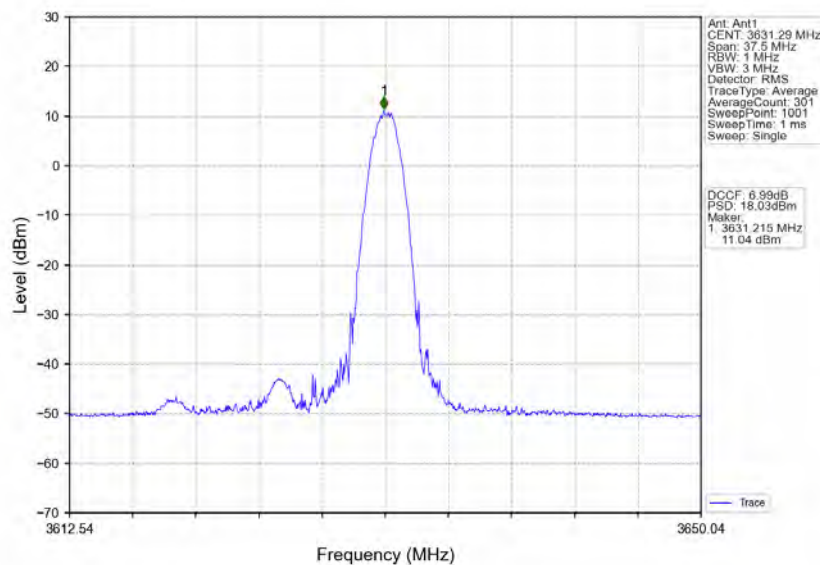
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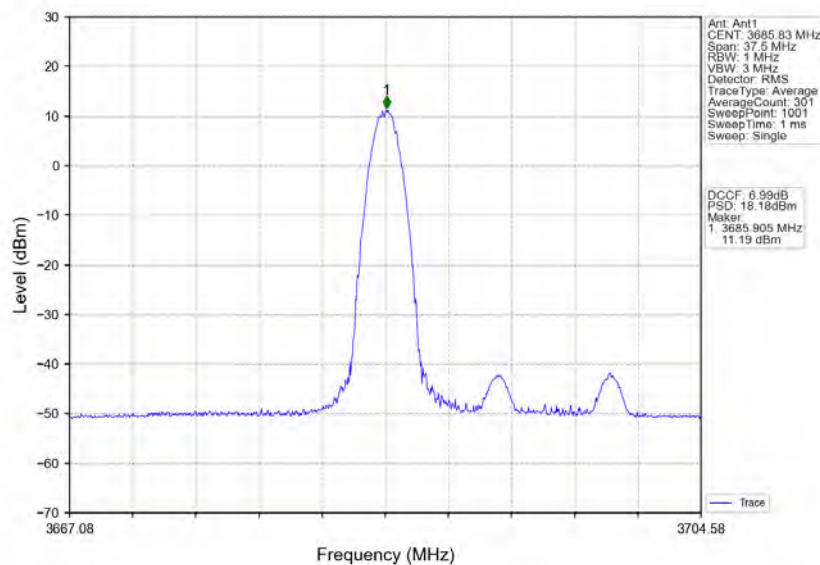
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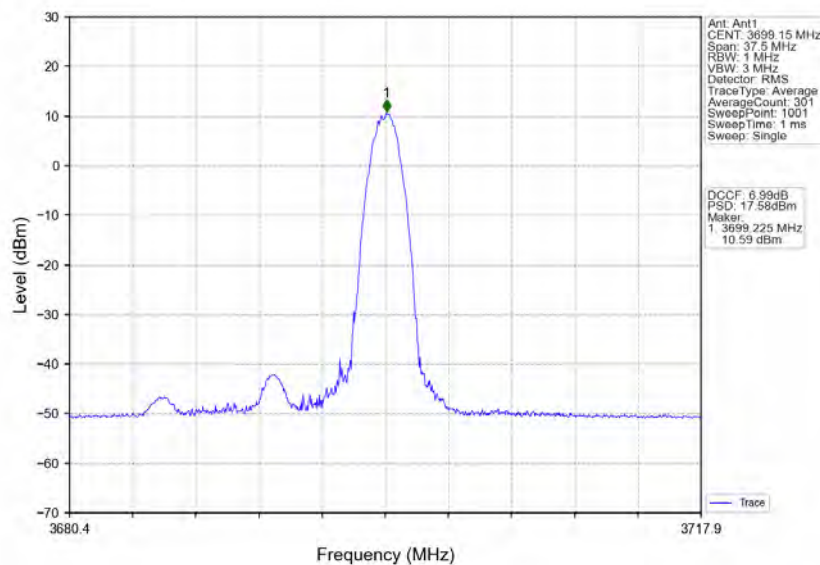
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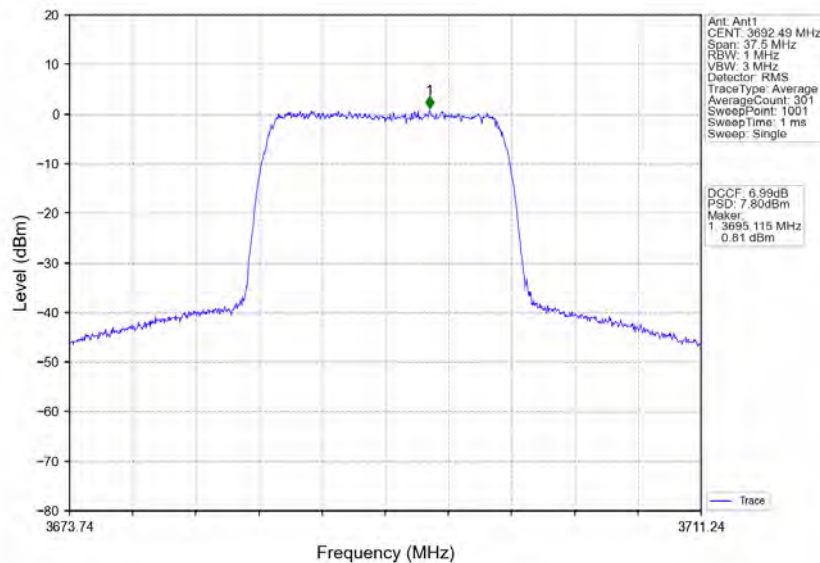
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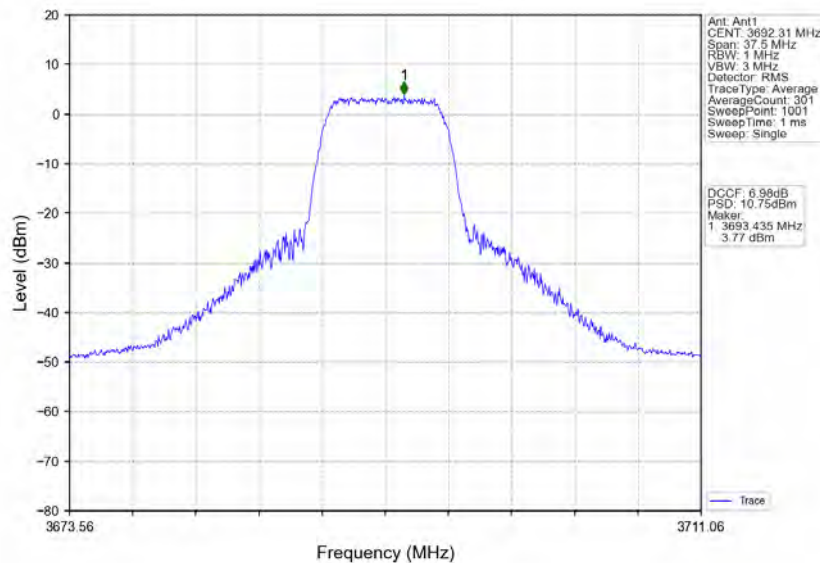
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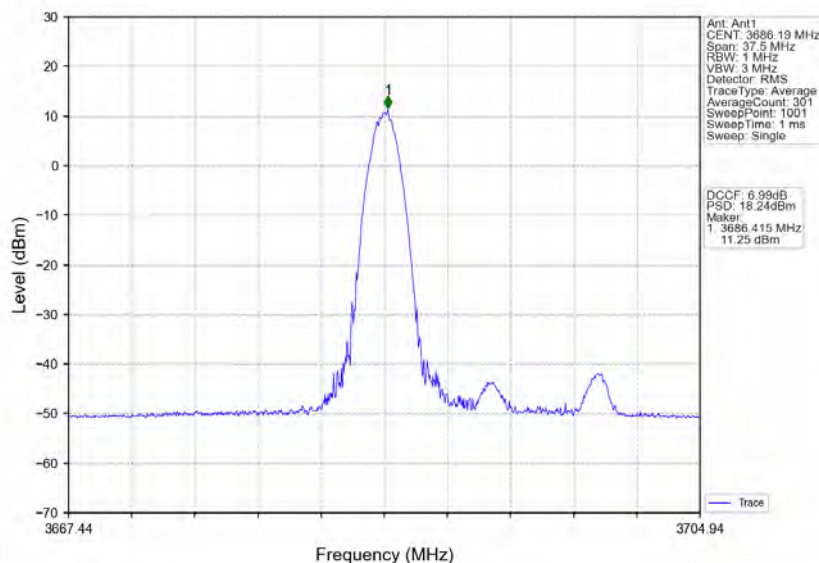
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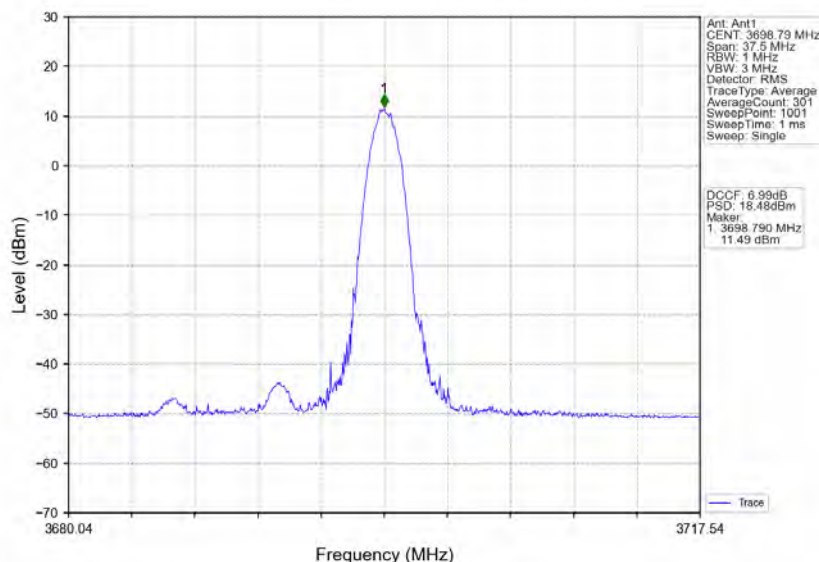
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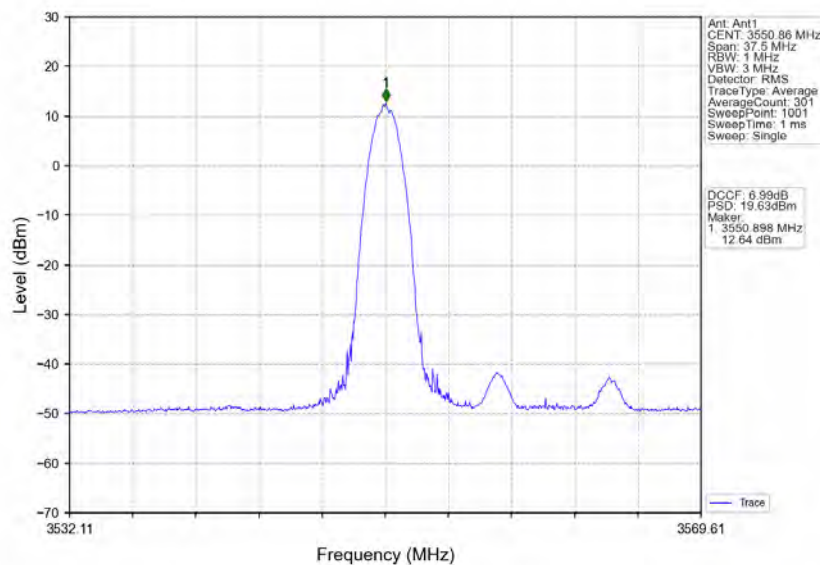
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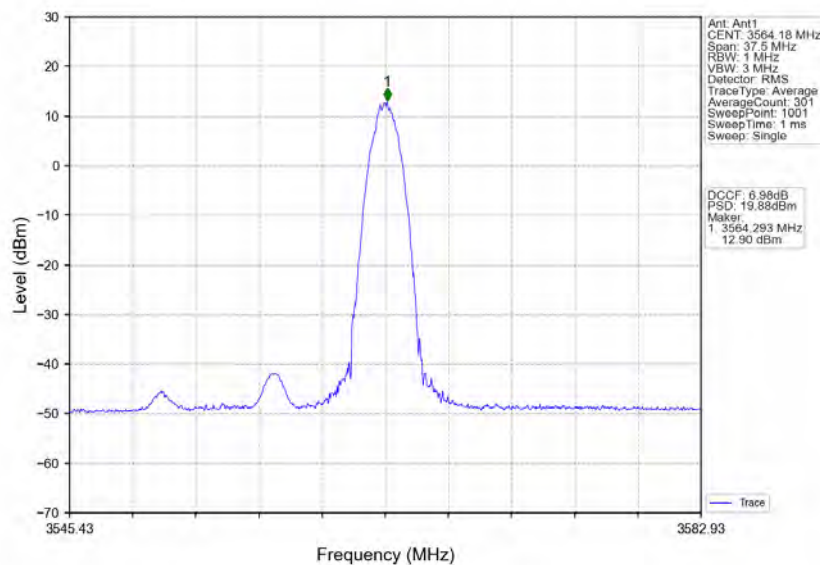
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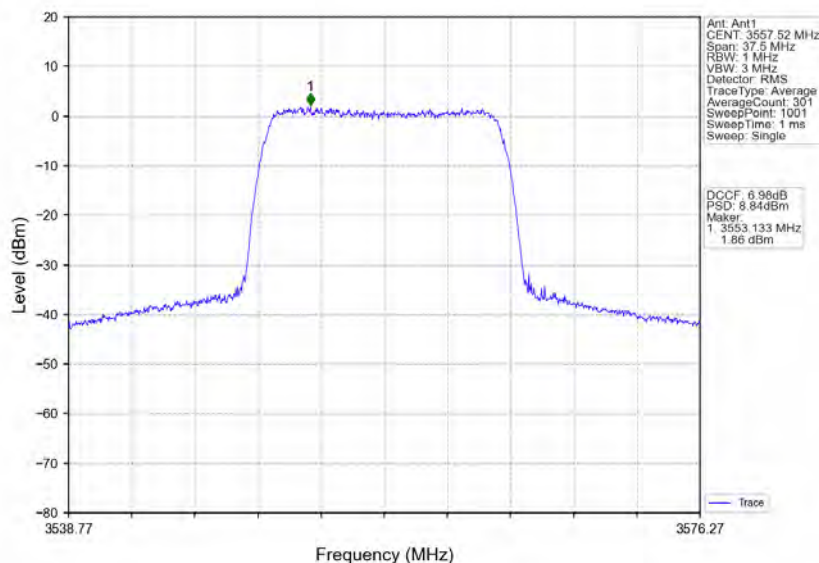
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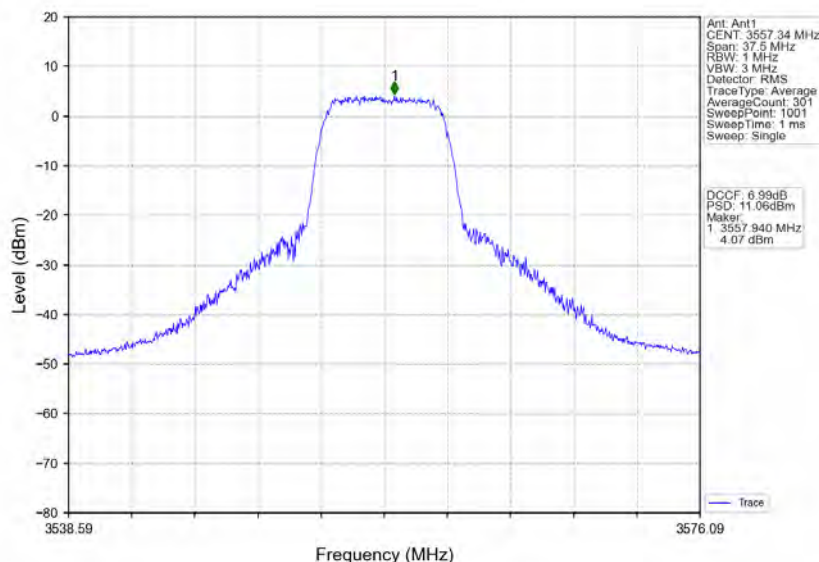
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n78d_30kHz_MIMO_NTNV_15MHz_CP-OFDM_16_QAM_3557.52MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_15MHz_CP-OFDM_16_QAM_3557.52MHz_Inner_Full



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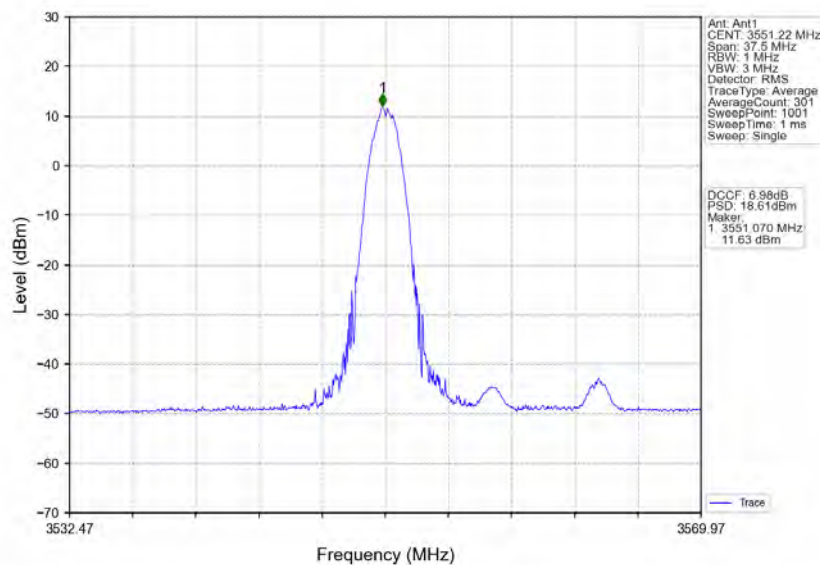
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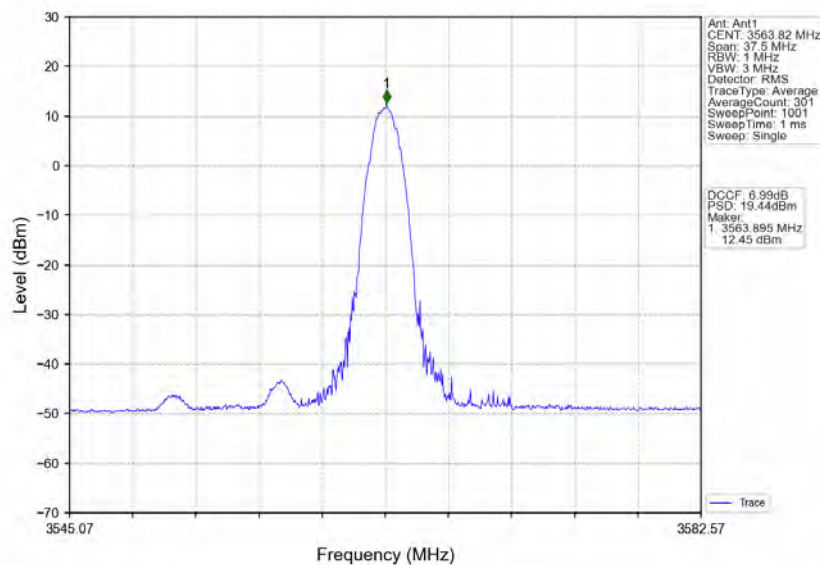
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n78d_30kHz_MIMO_NTNV_15MHz_CP-OFDM 16 QAM 3557.52MHz Inner 1RB Left



n78d_30kHz_MIMO_NTNV_15MHz_CP-OFDM 16 QAM 3557.52MHz Inner 1RB Right



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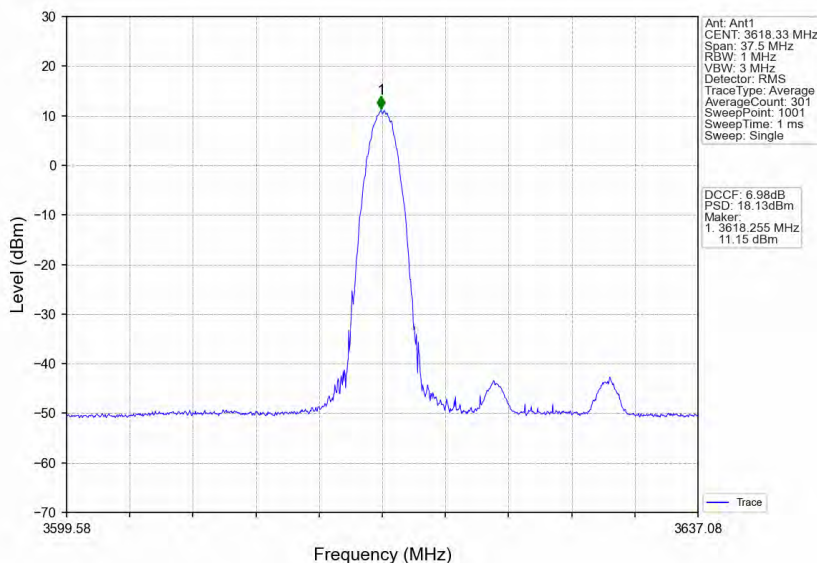
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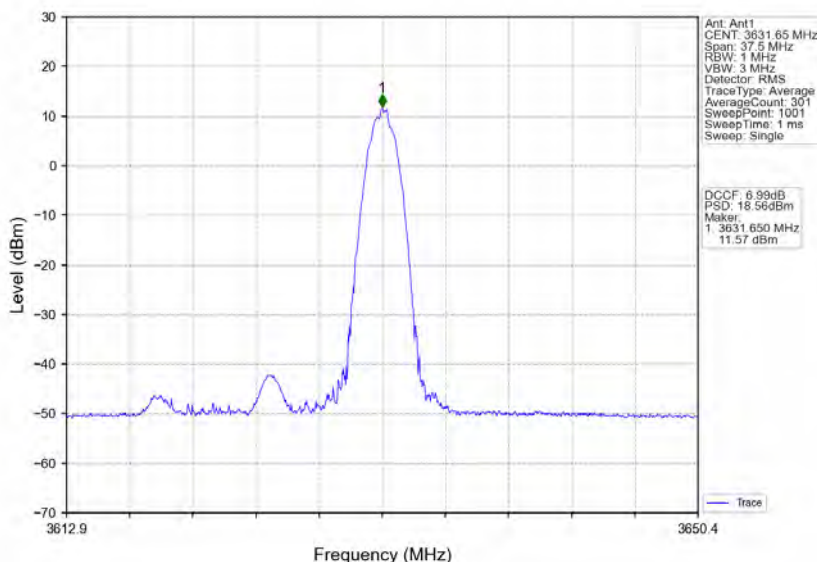
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n78d_30kHz_MIMO_NTNV_15MHz_CP-OFDM_16_QAM_3624.99MHz_Edge_1RB_Left



n78d_30kHz_MIMO_NTNV_15MHz_CP-OFDM_16_QAM_3624.99MHz_Edge_1RB_Right



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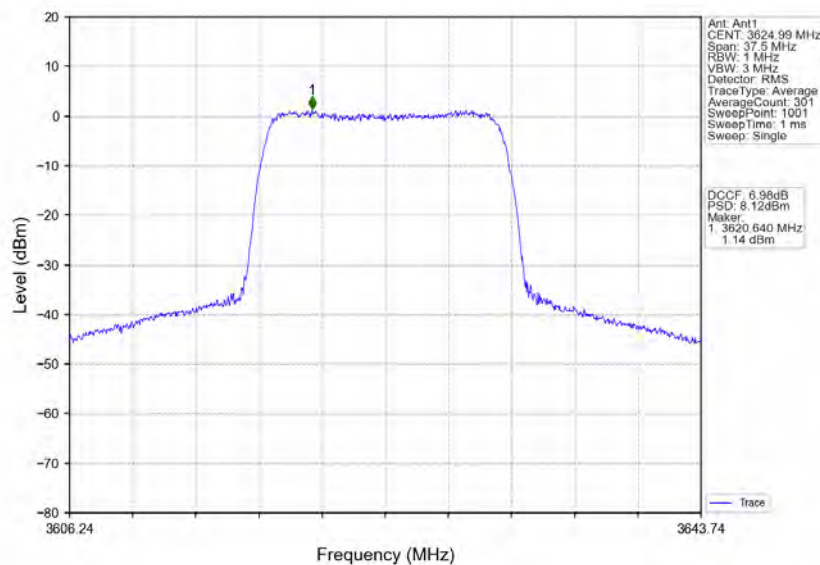
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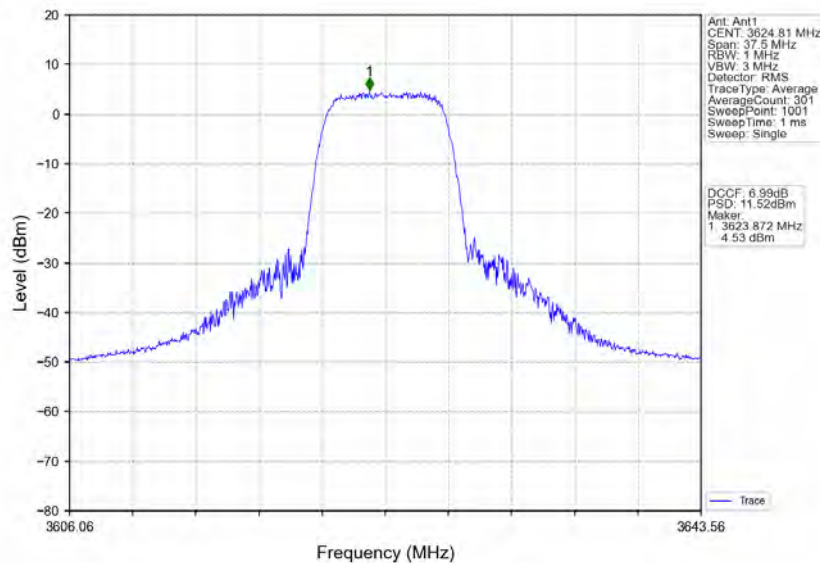
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n78d_30kHz_MIMO_NTNV_15MHz_CP-OFDM_16_QAM_3624.99MHz_Outer_Full



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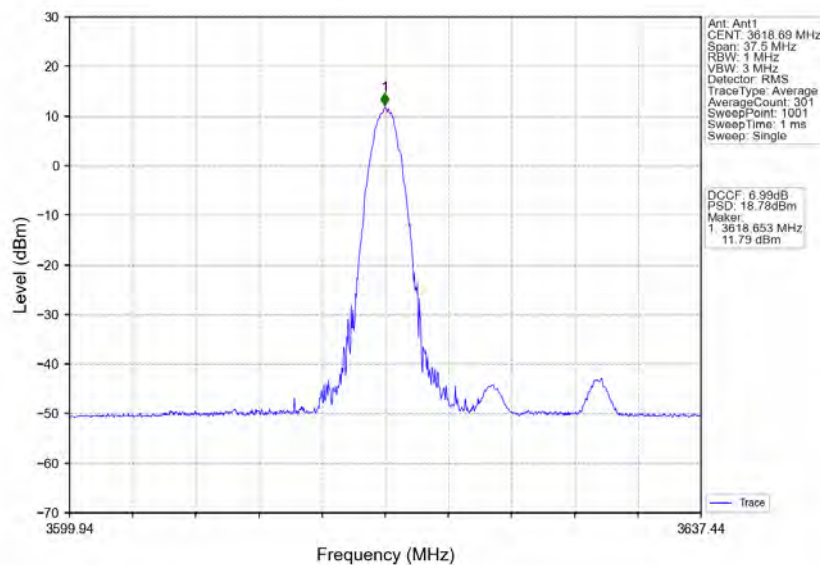
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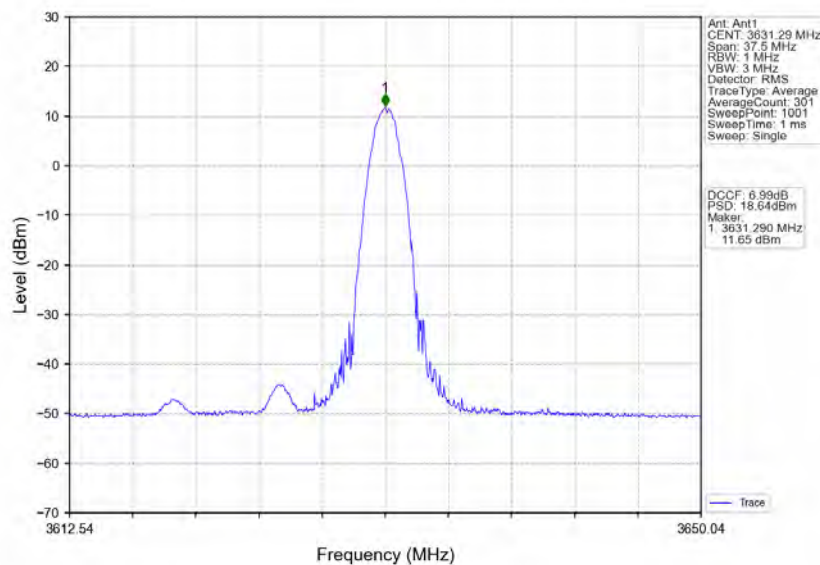
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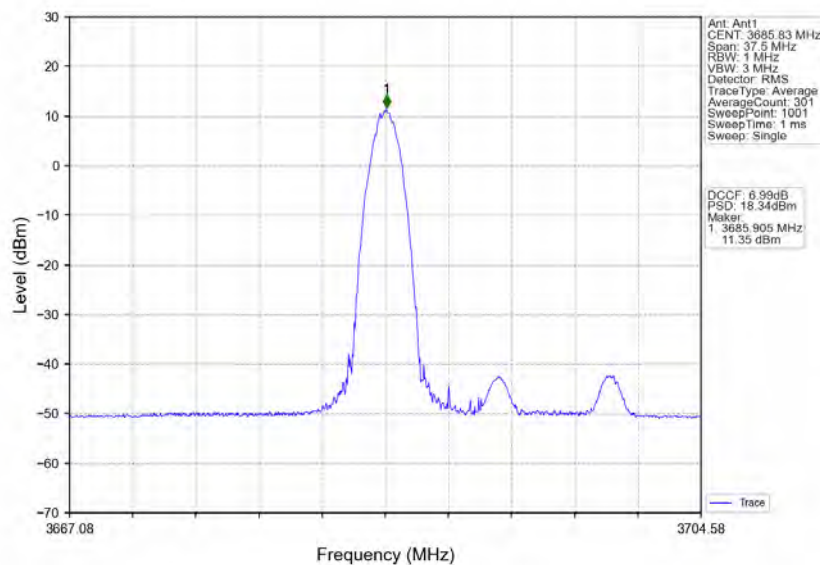
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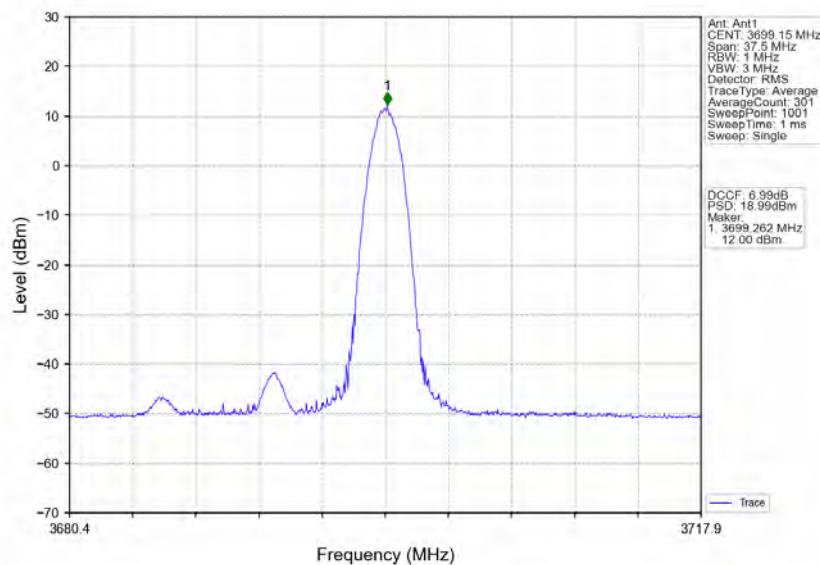
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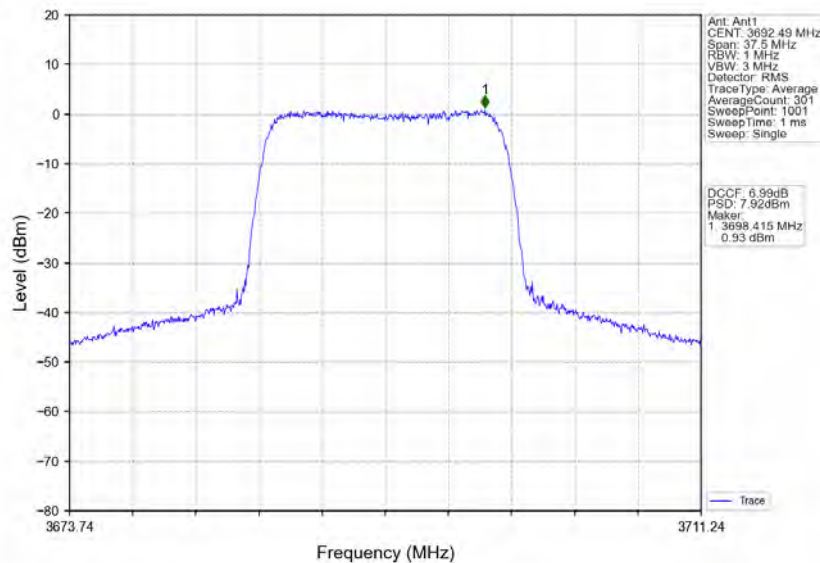
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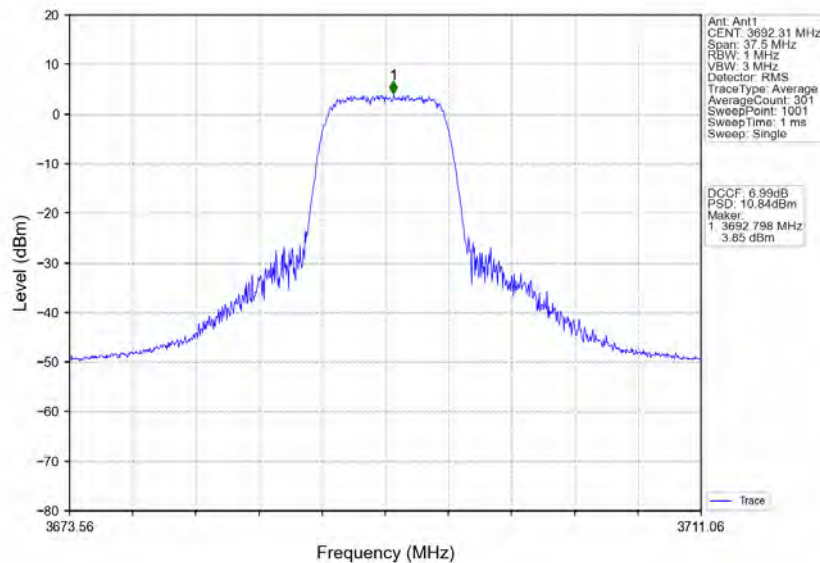
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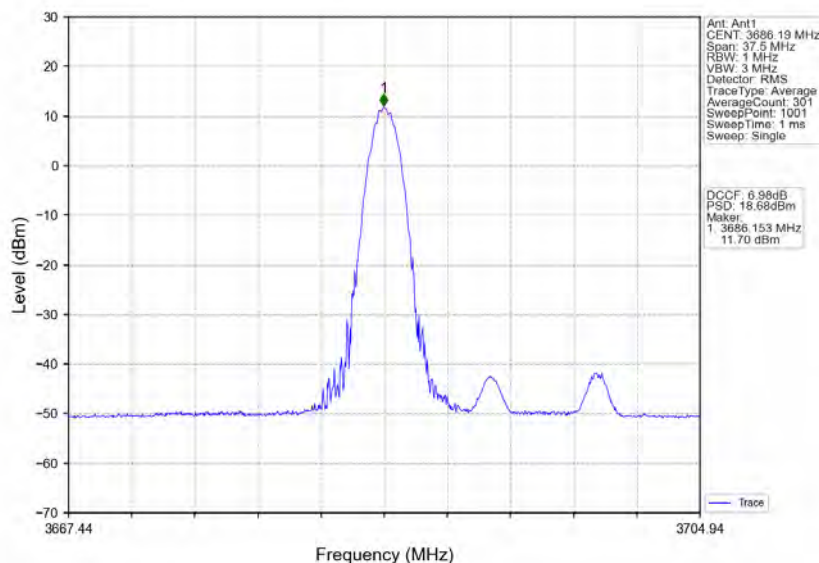
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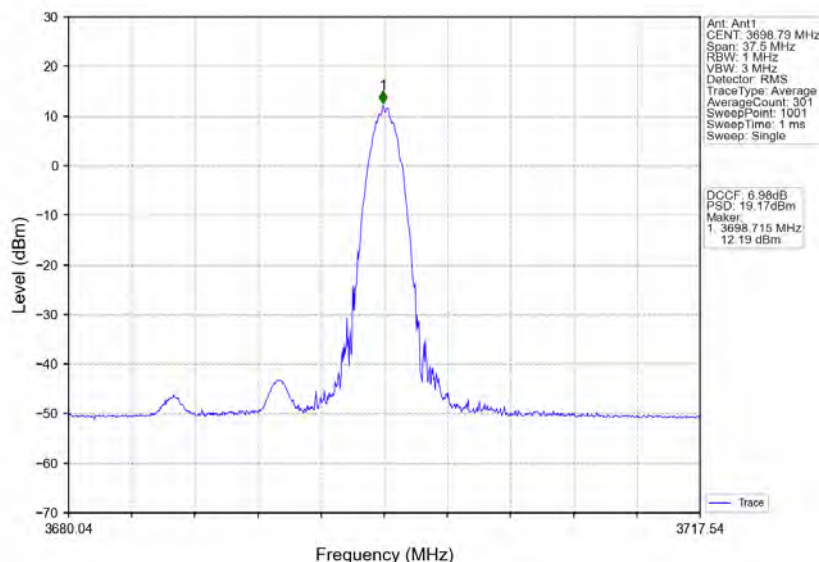
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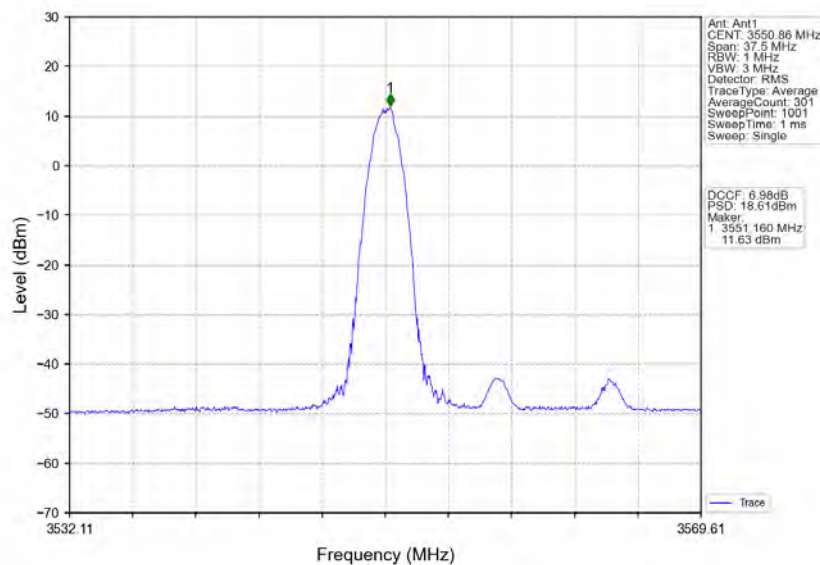
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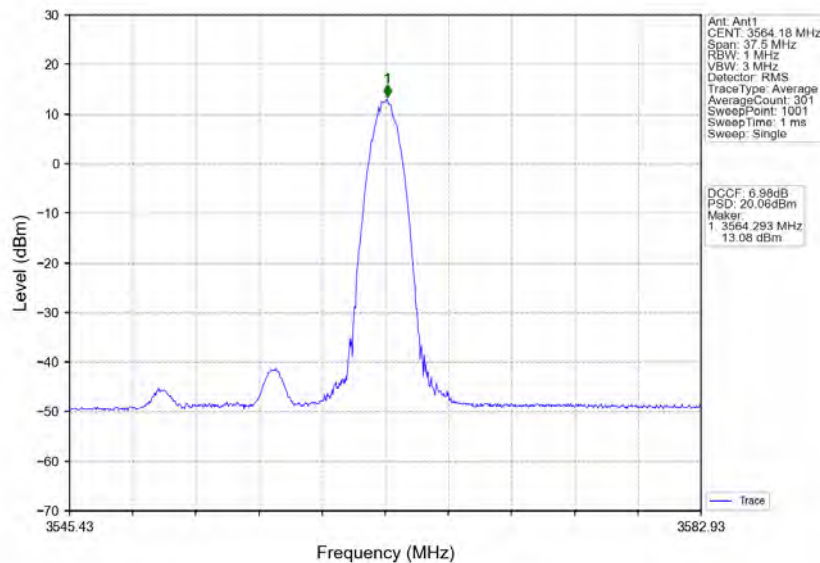
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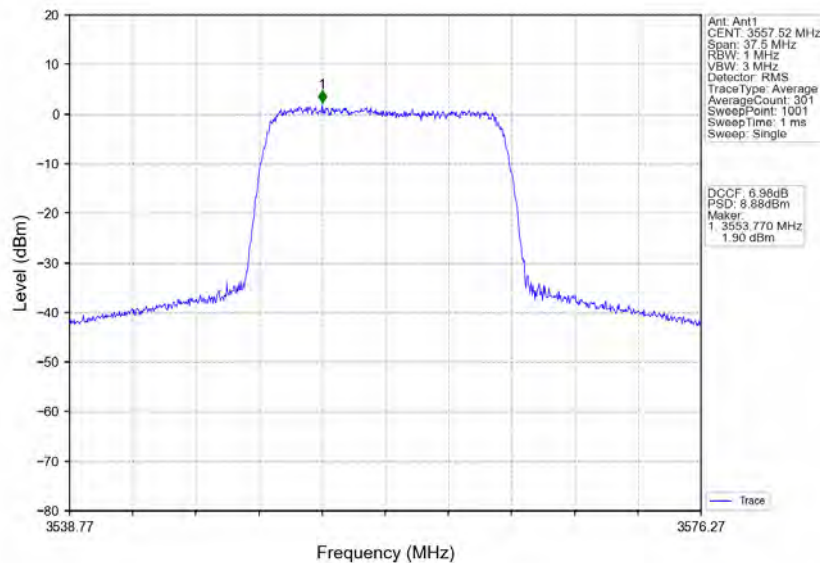
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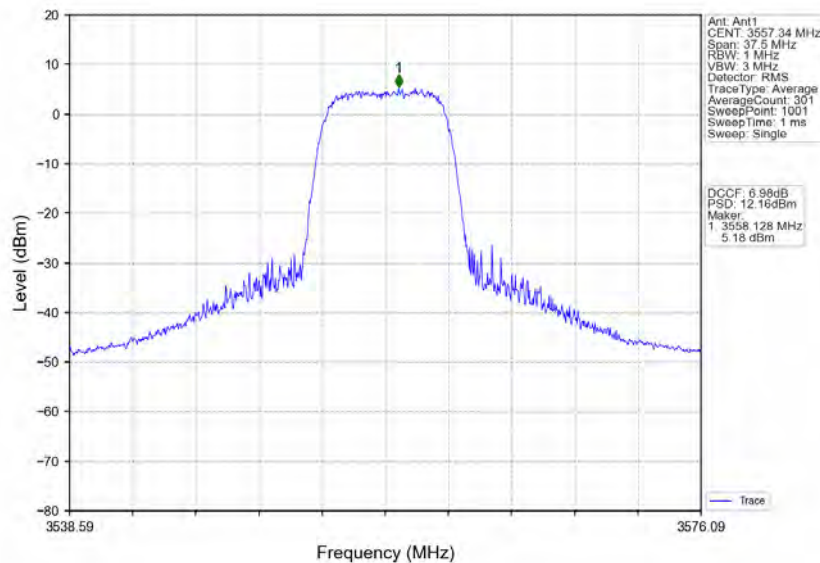
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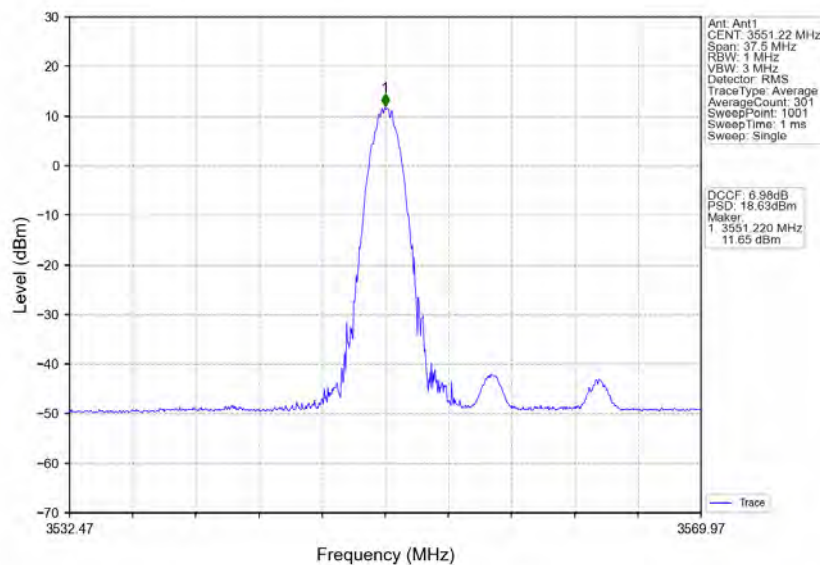
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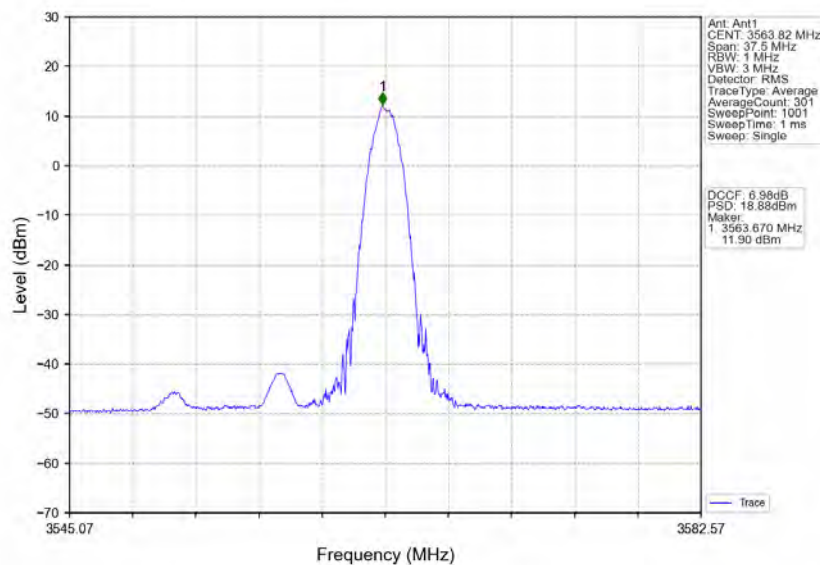
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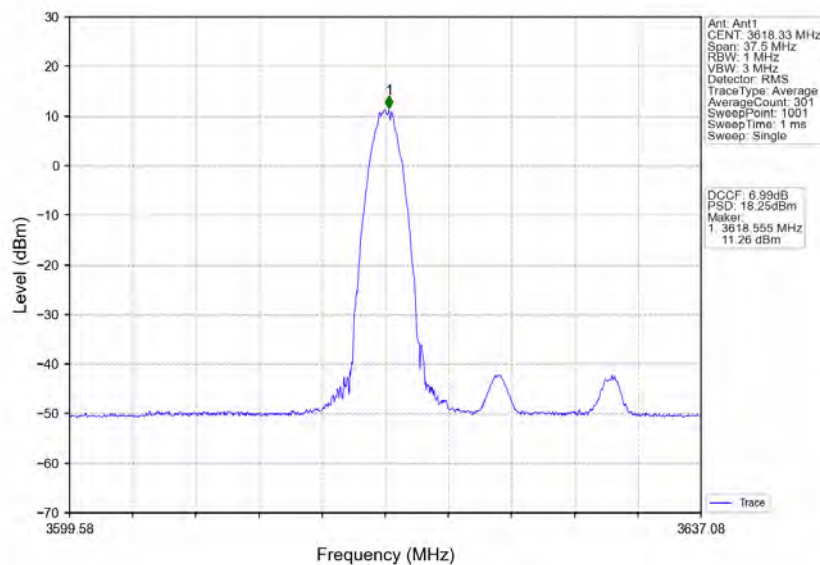
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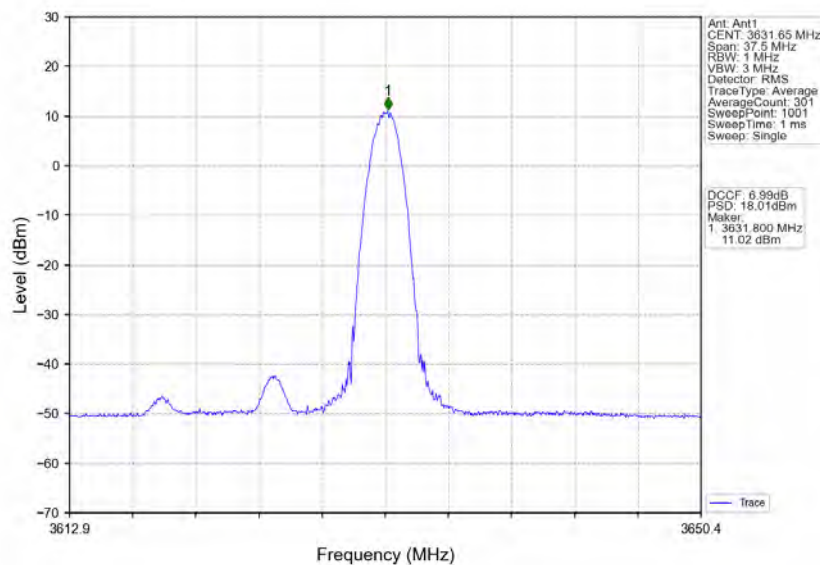
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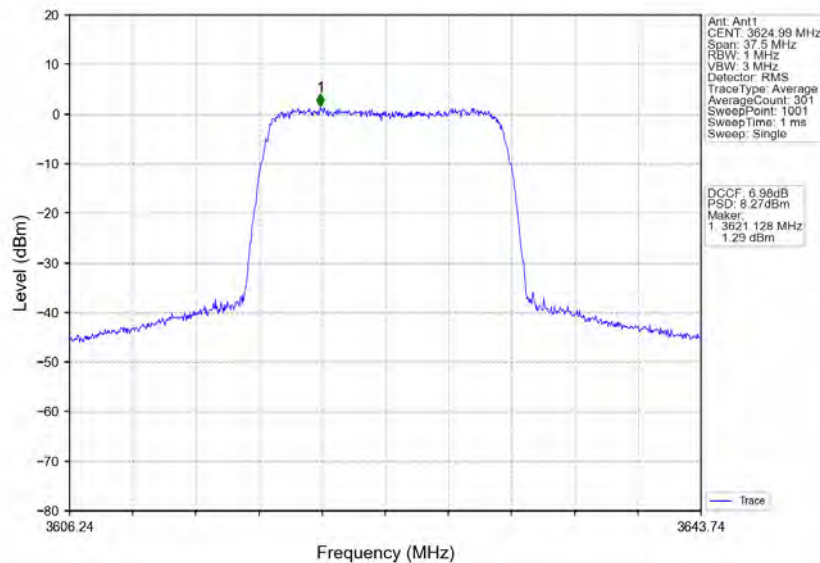
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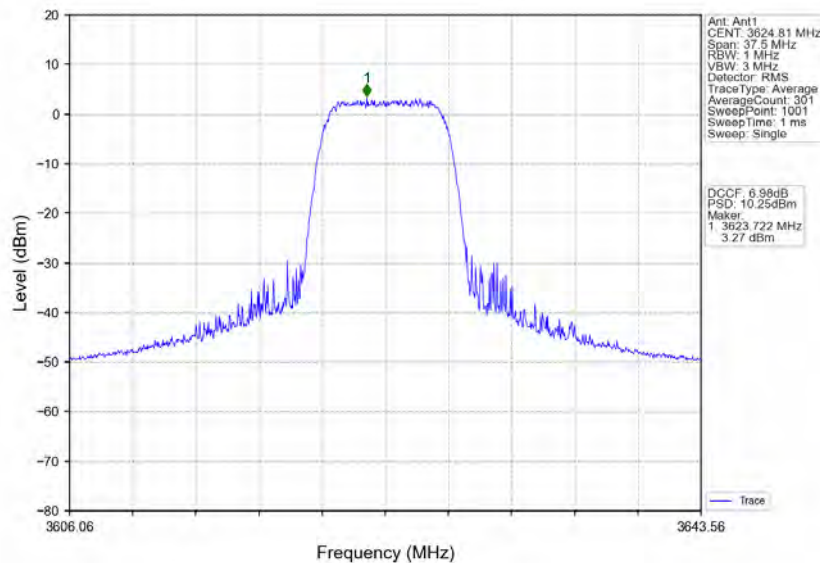
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n78d_30kHz_MIMO_NTNV_15MHz_CP-OFDM 64 QAM_3624.99MHz_Outer_Full



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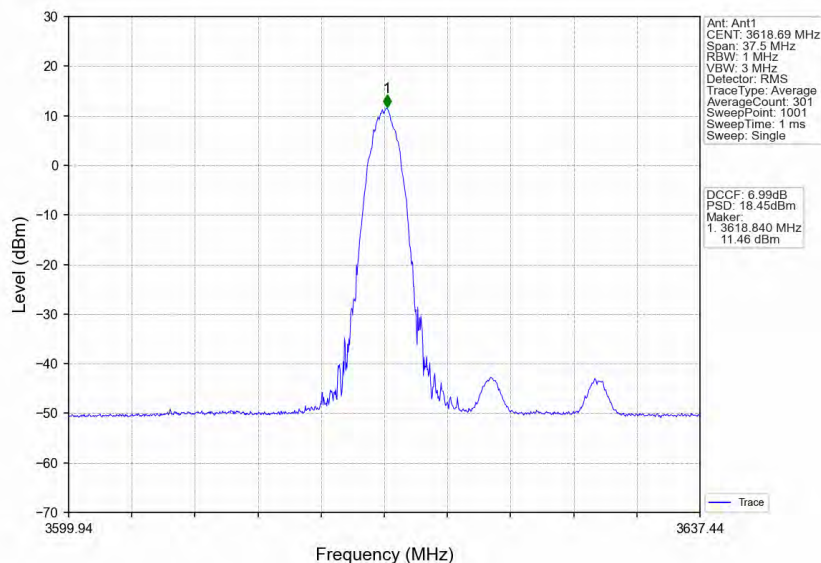
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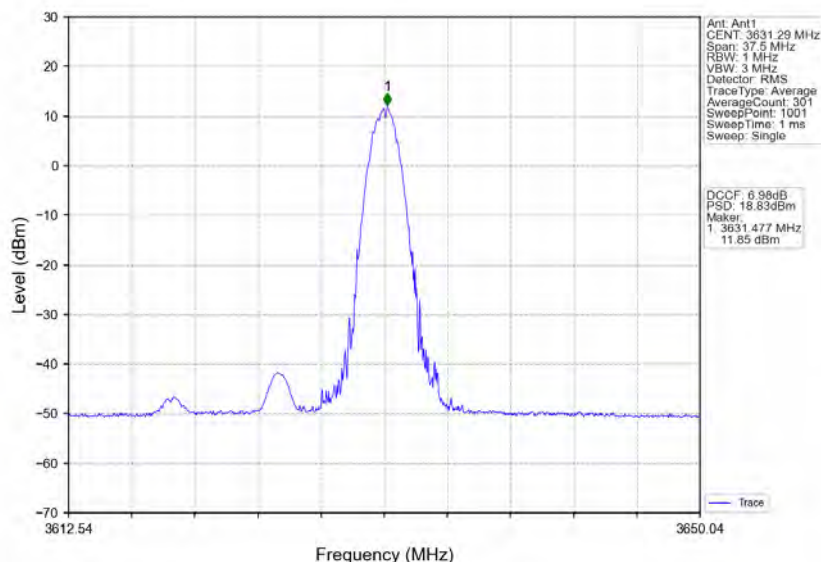
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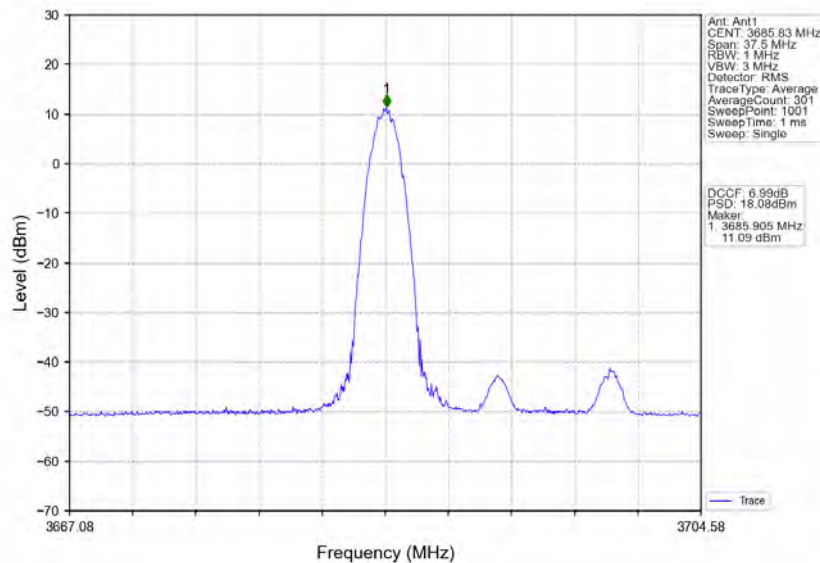
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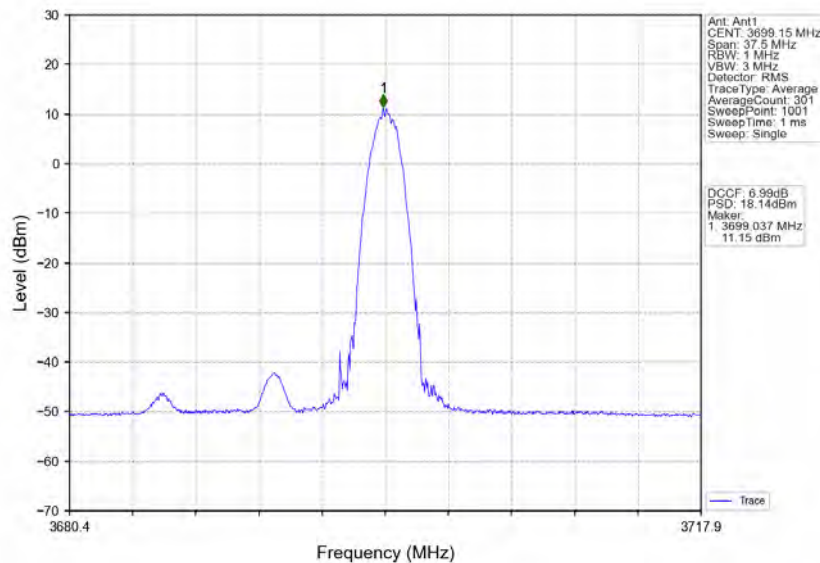
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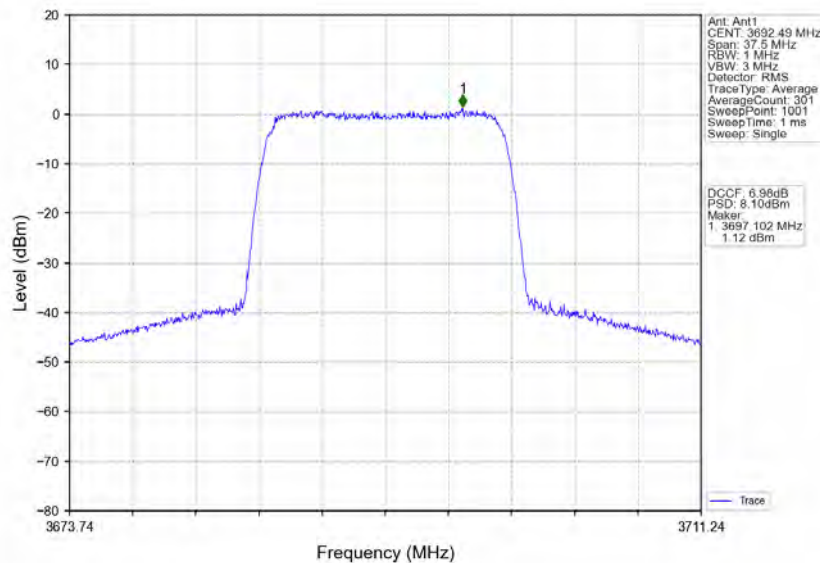
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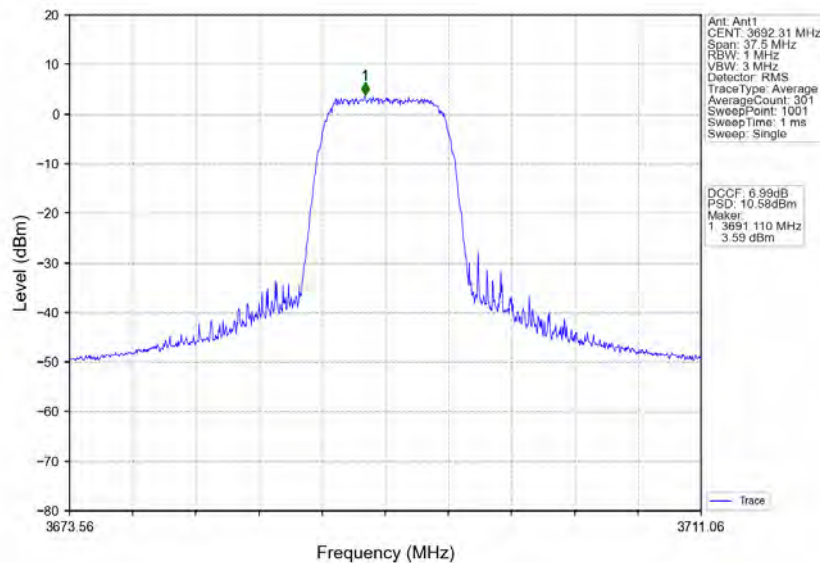
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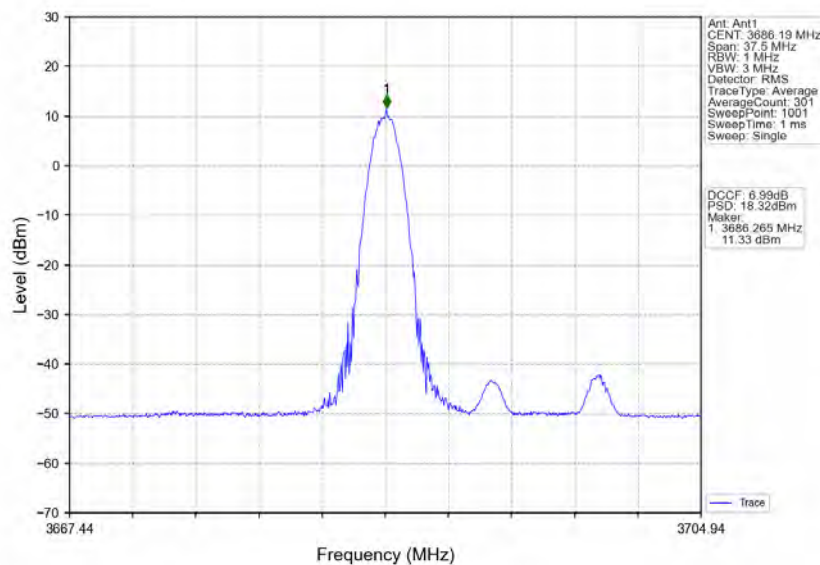
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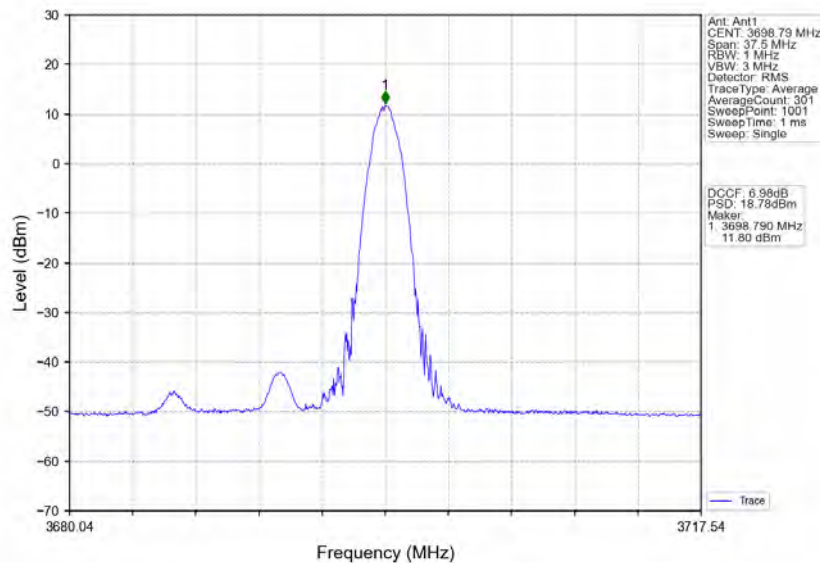
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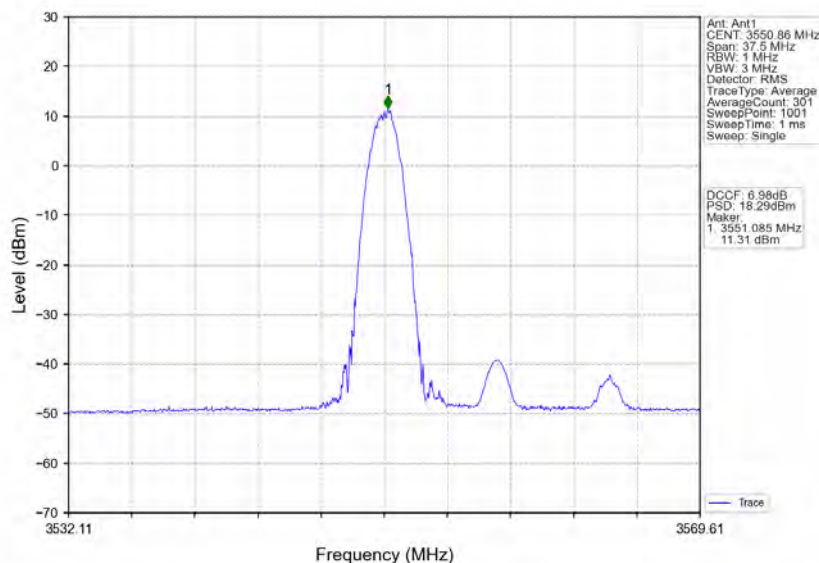
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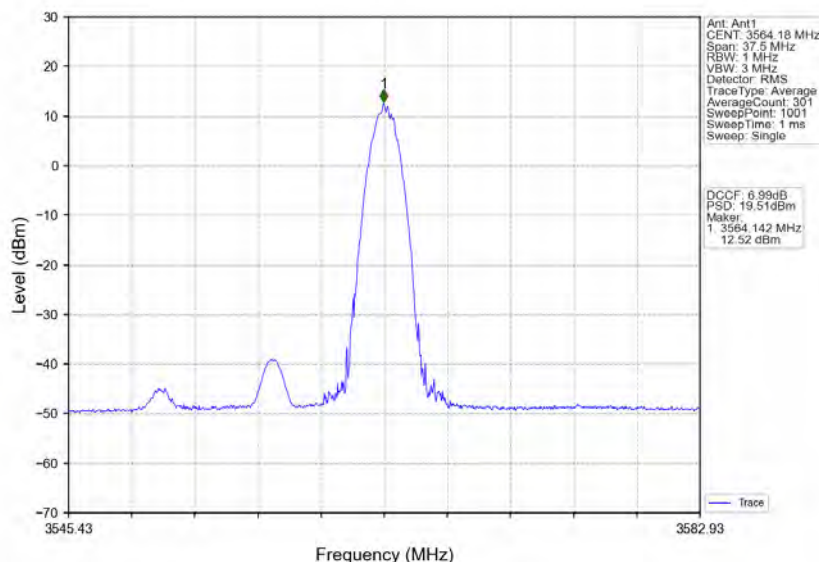
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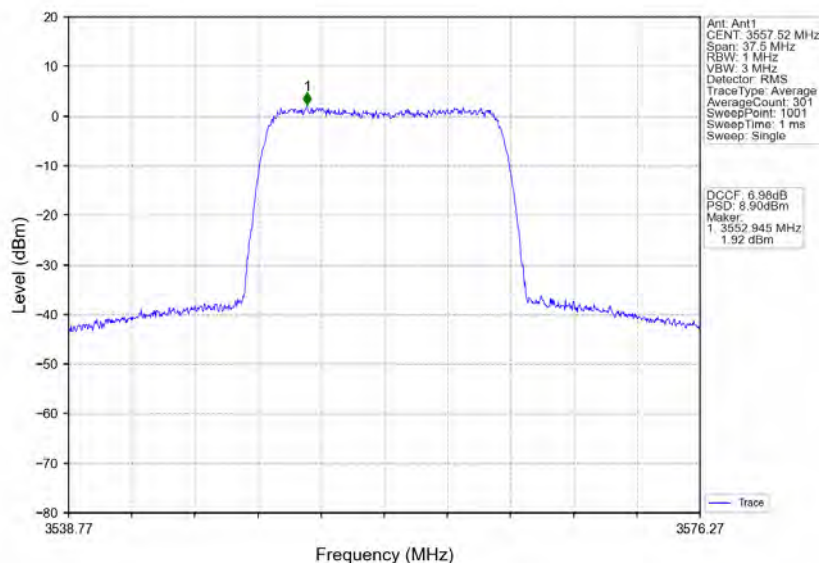
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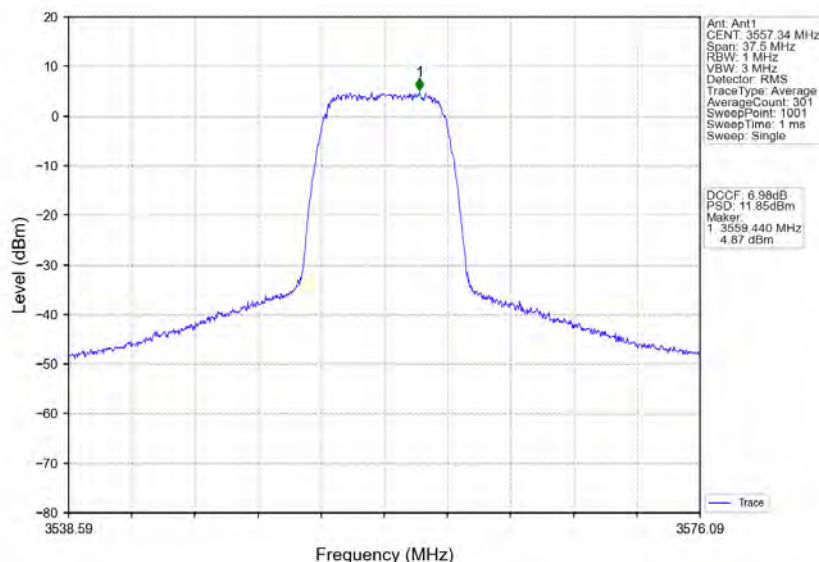
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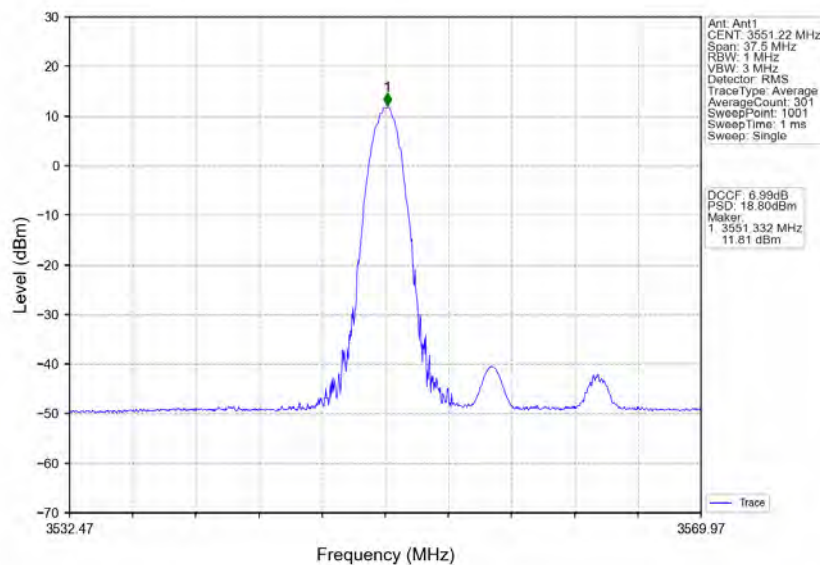
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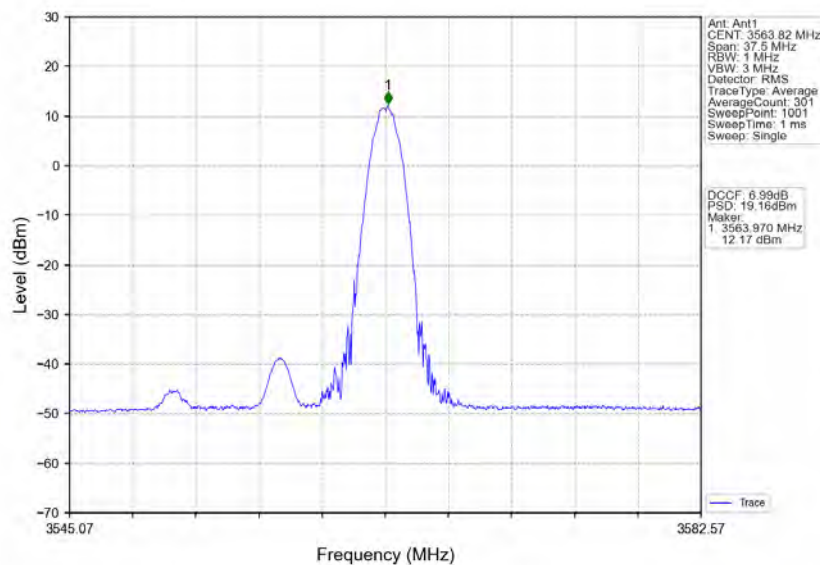
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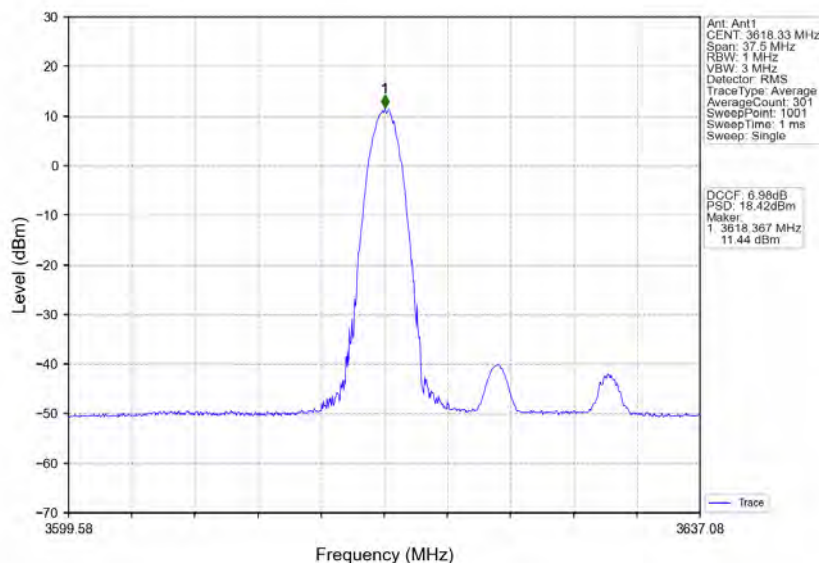
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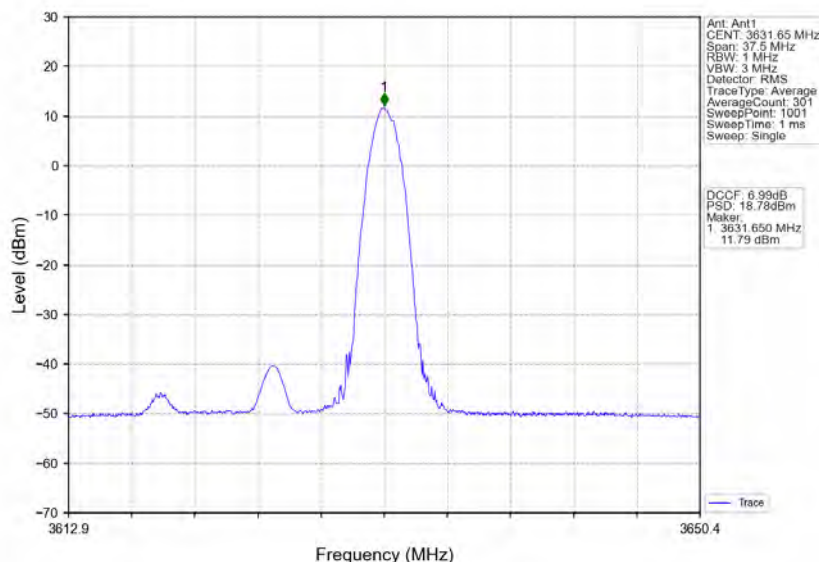
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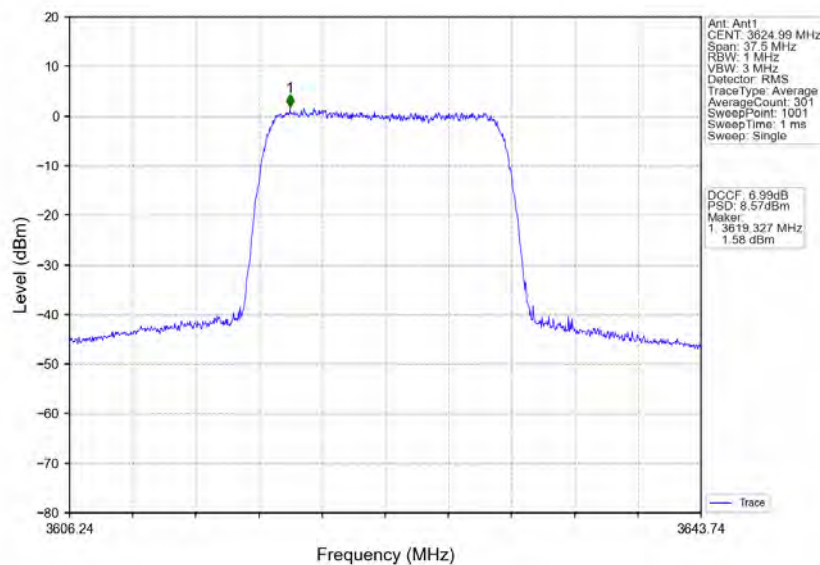
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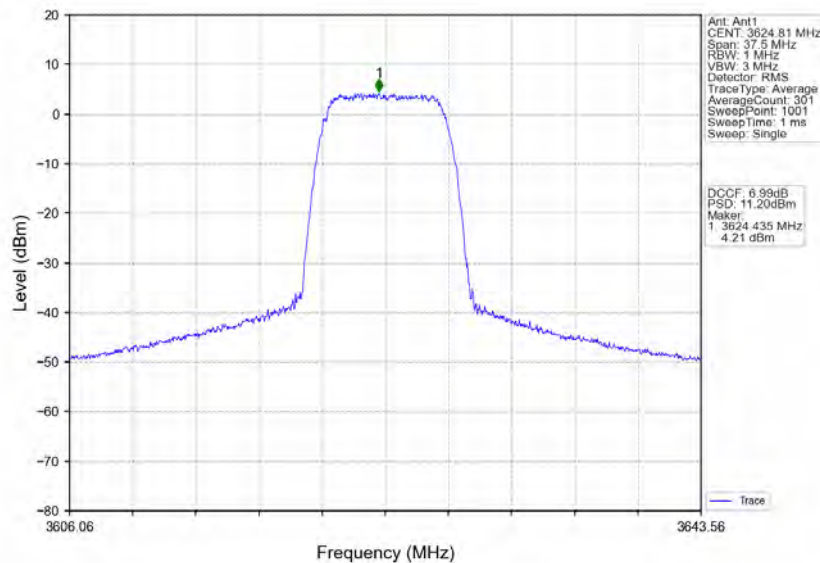
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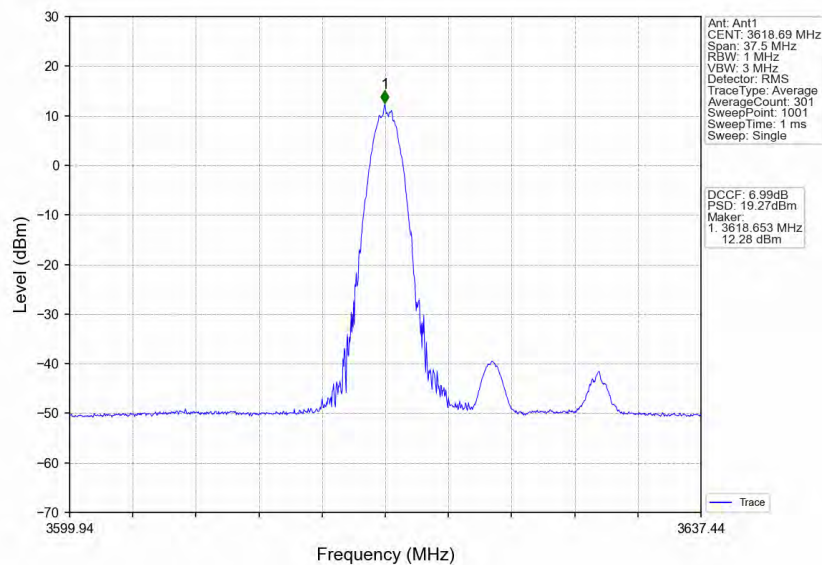
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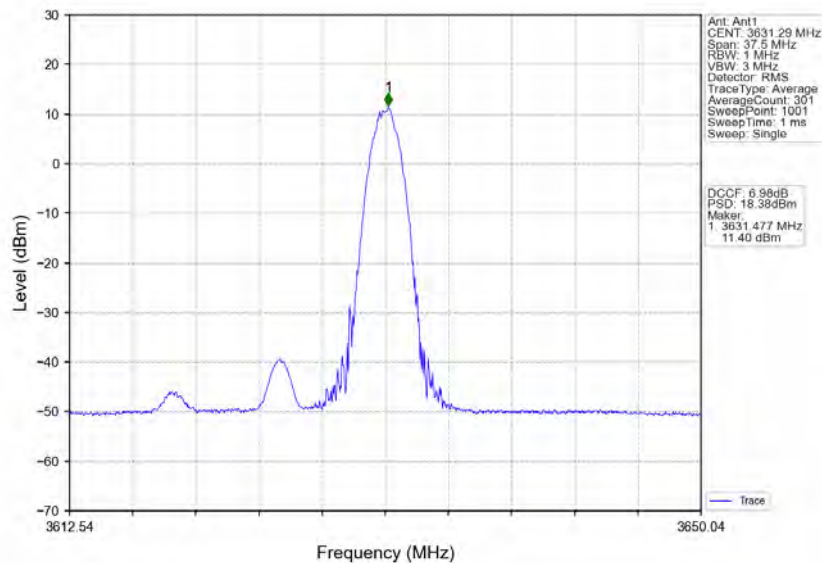
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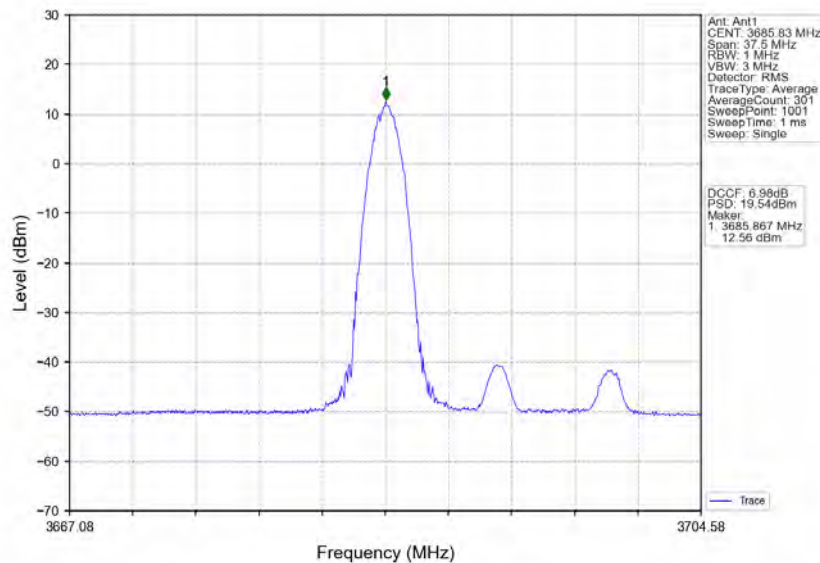
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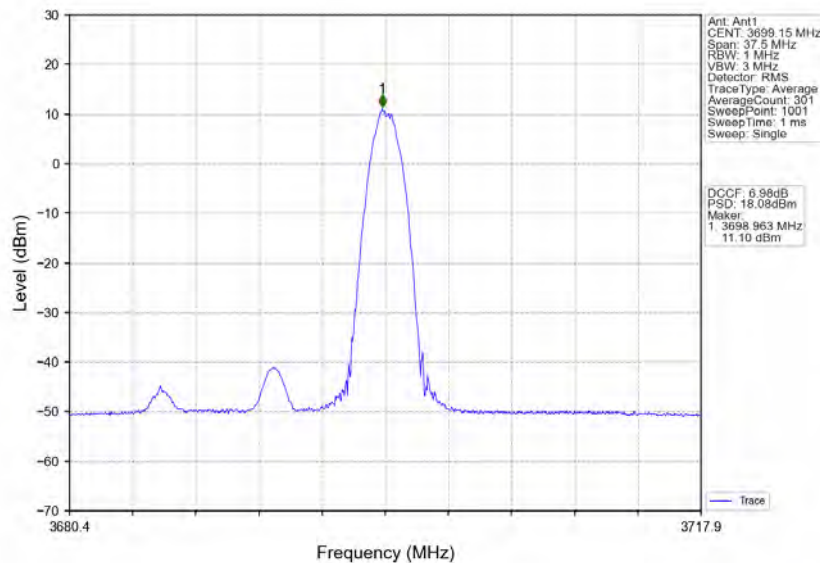
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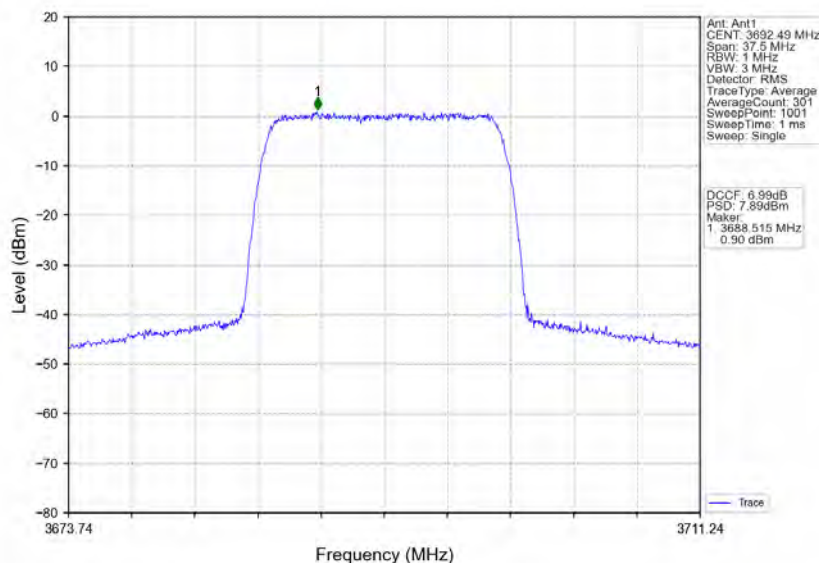
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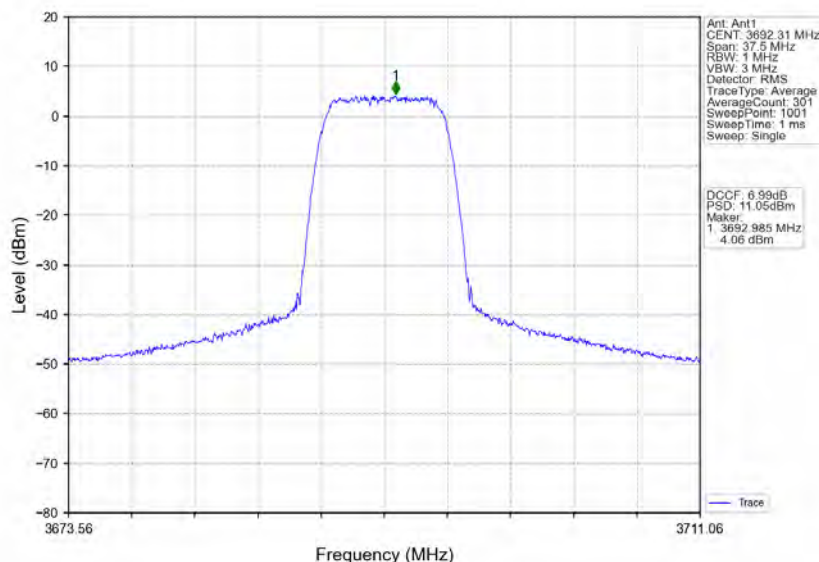
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n78d_30kHz_MIMO_NTNV_15MHz_CP-OFDM_256_QAM_3692.49MHz_Outer_Full



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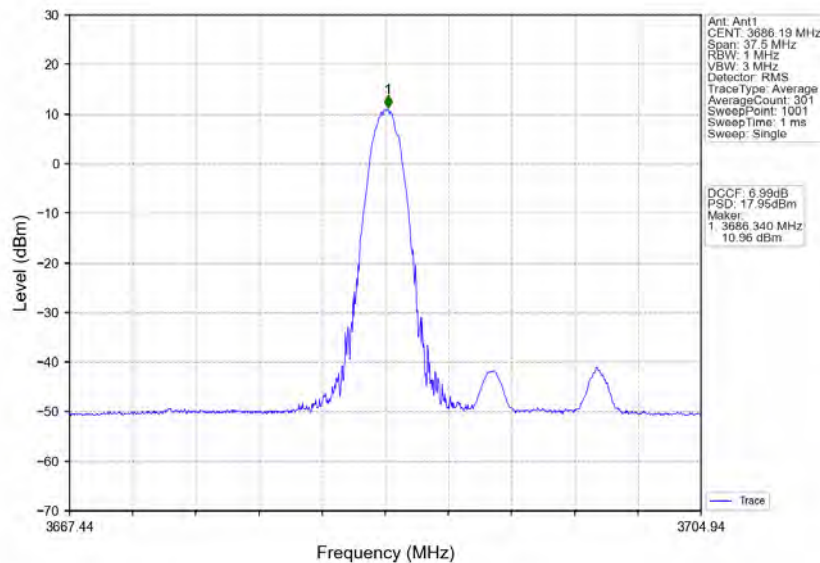
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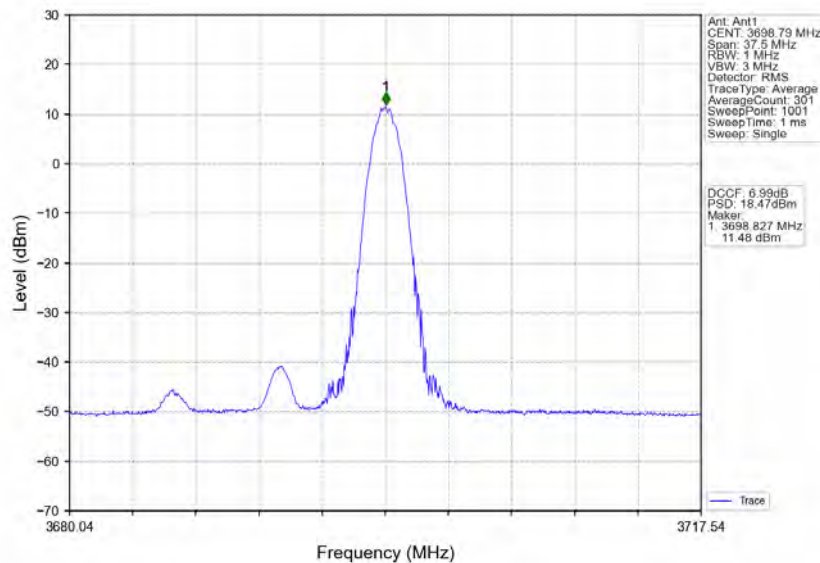
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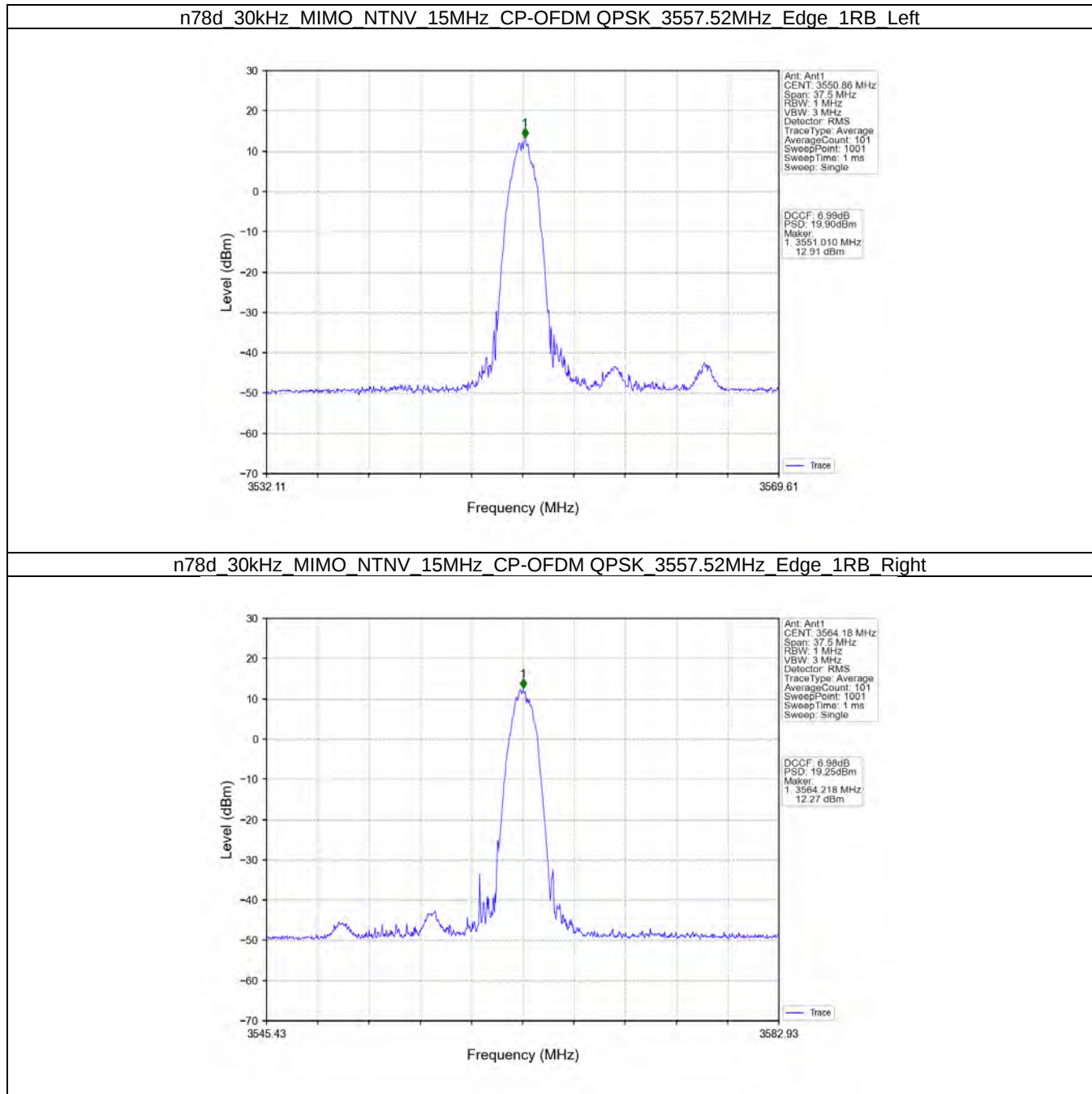
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2.6.3 Test Graph for ANT2



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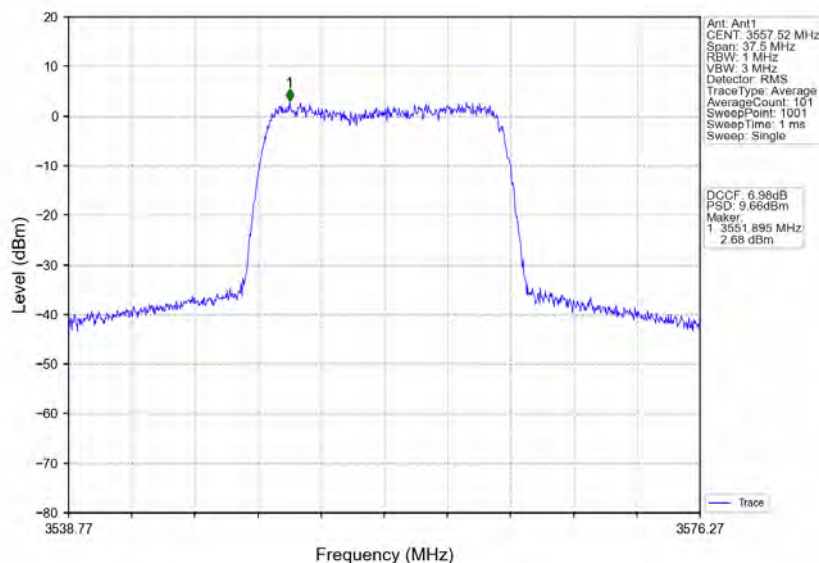
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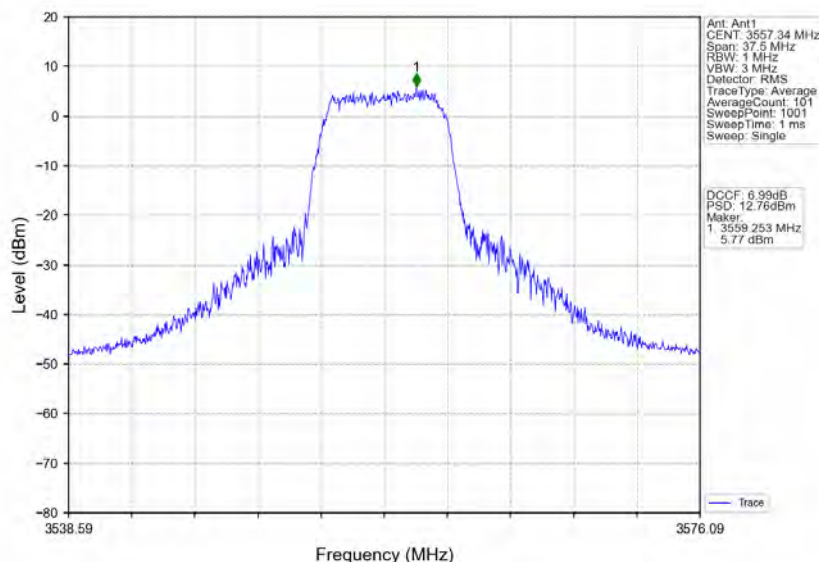
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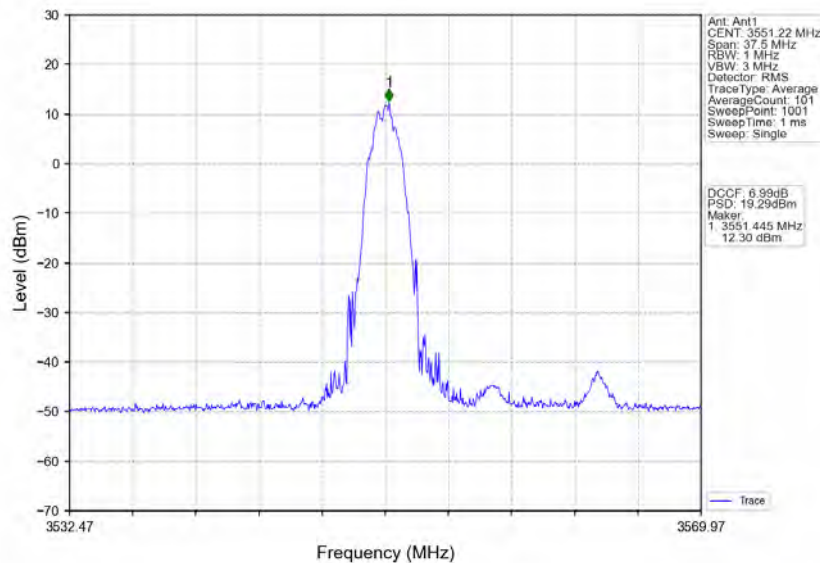
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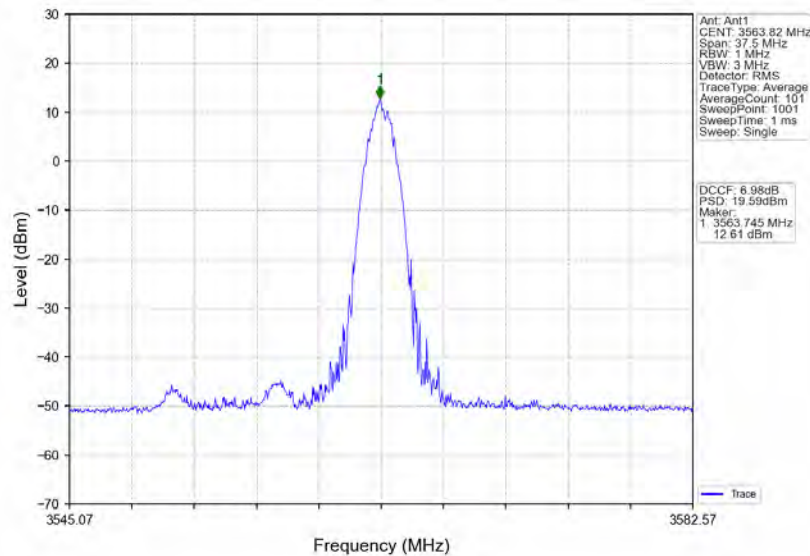
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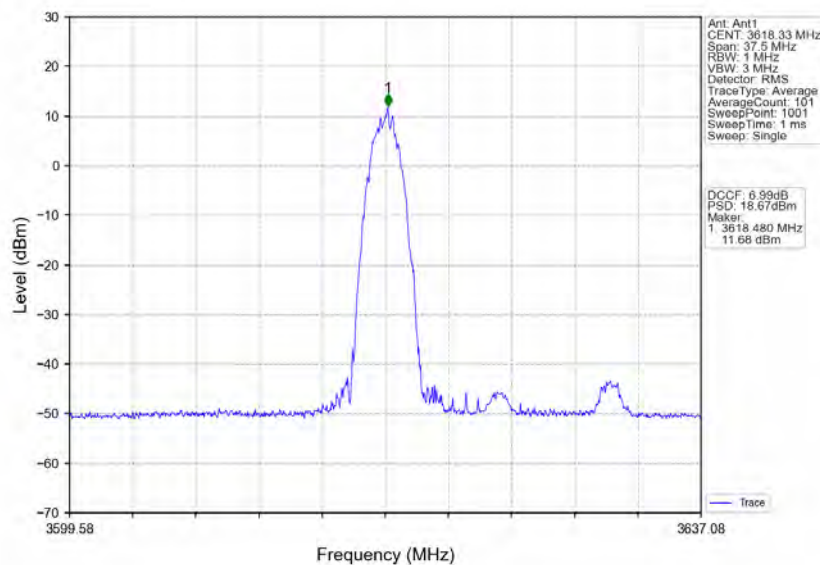
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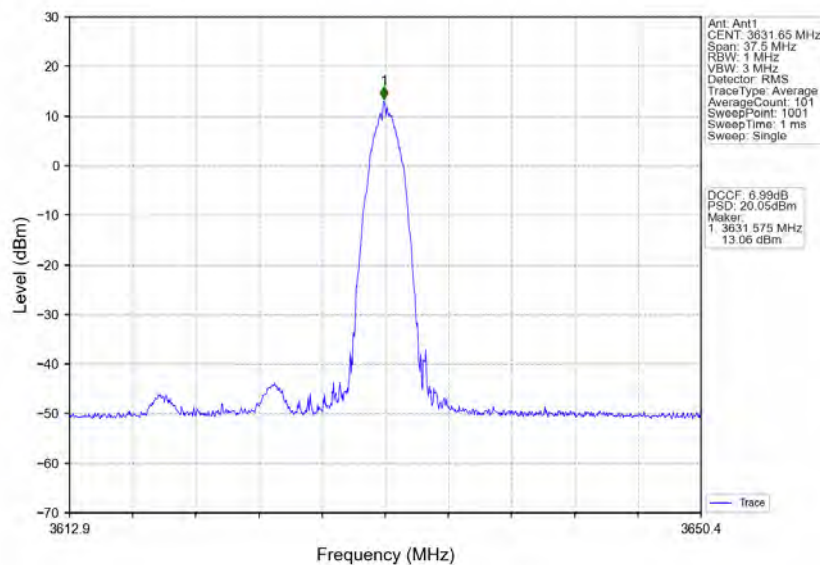
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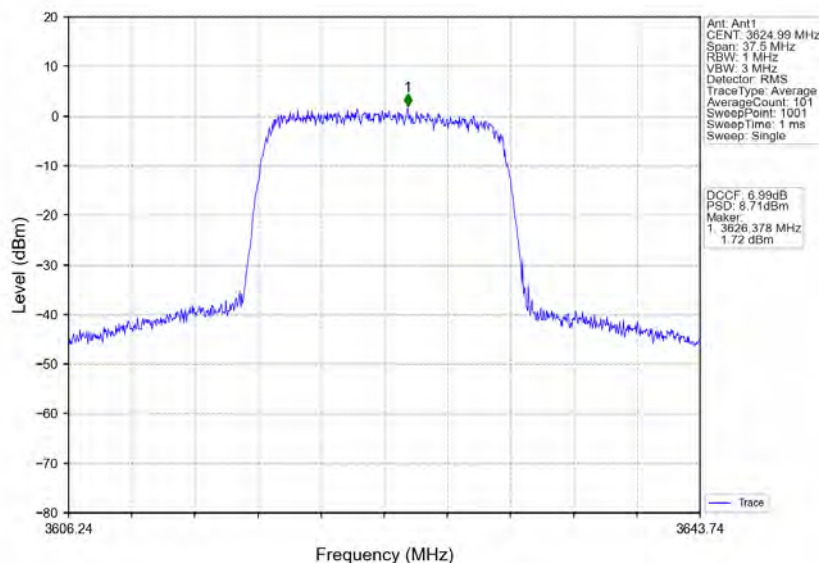
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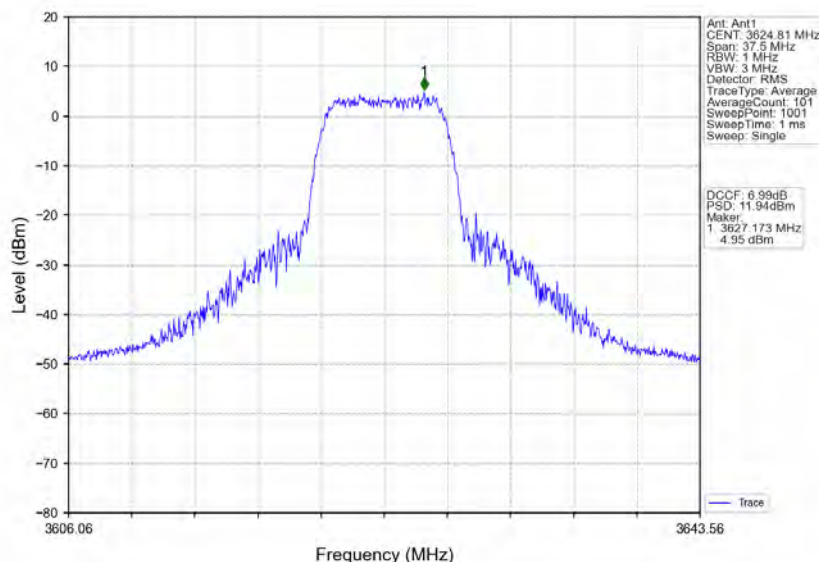
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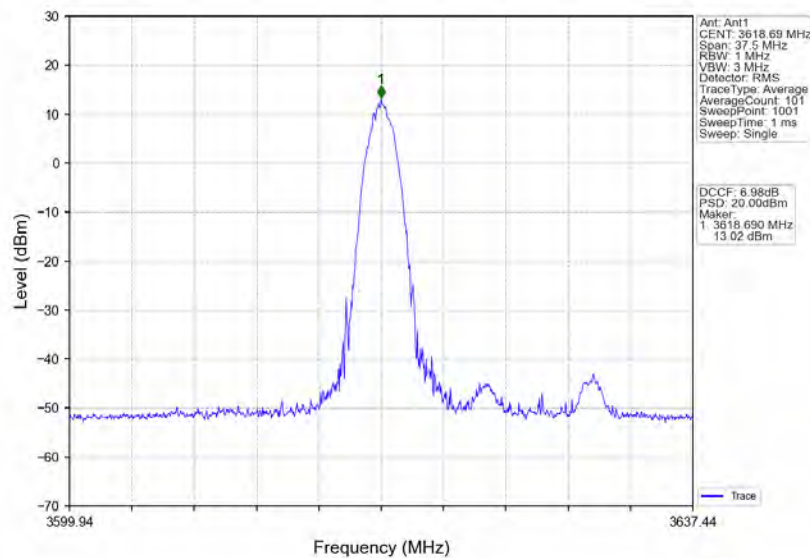
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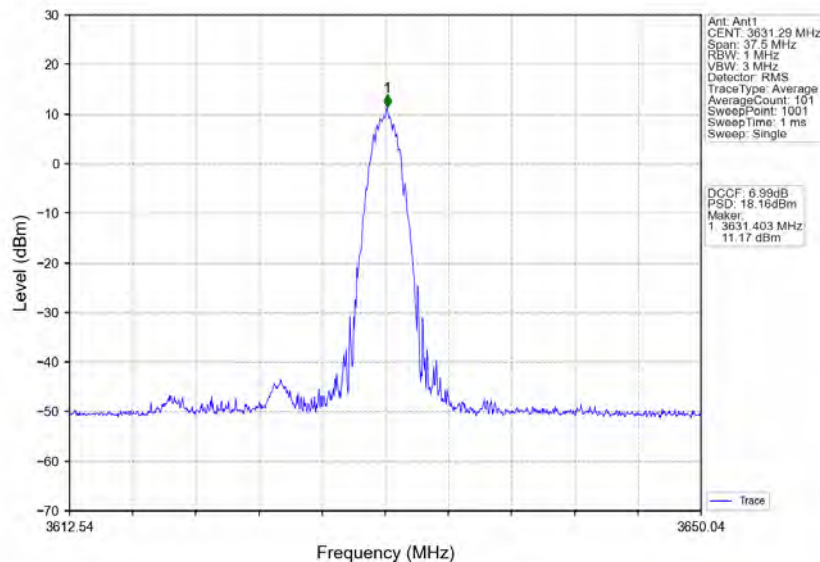
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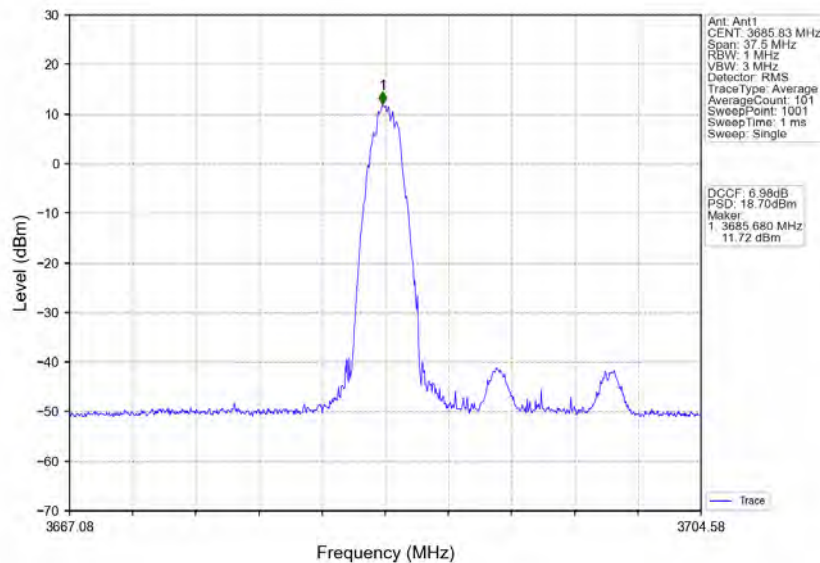
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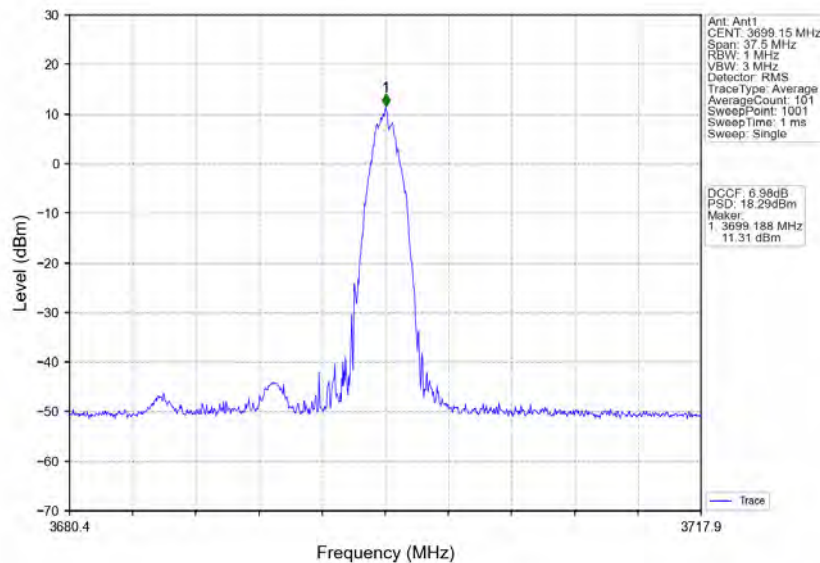
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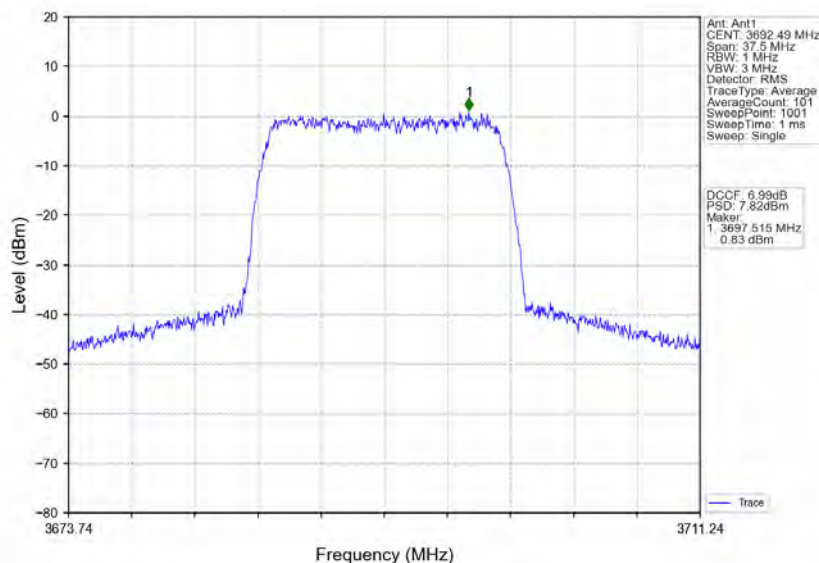
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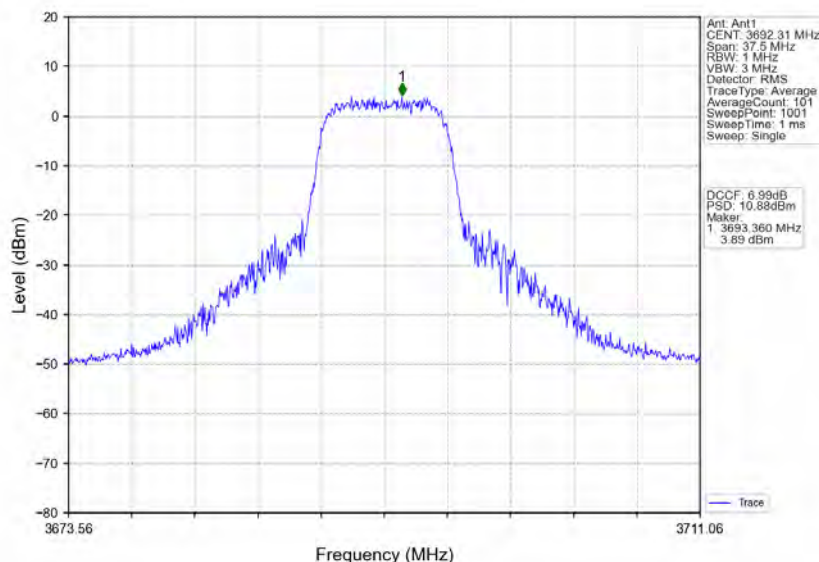
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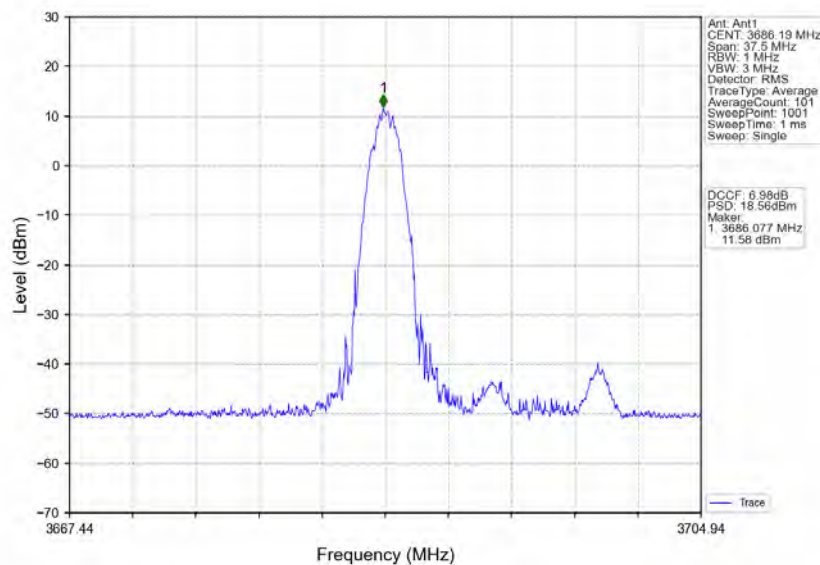
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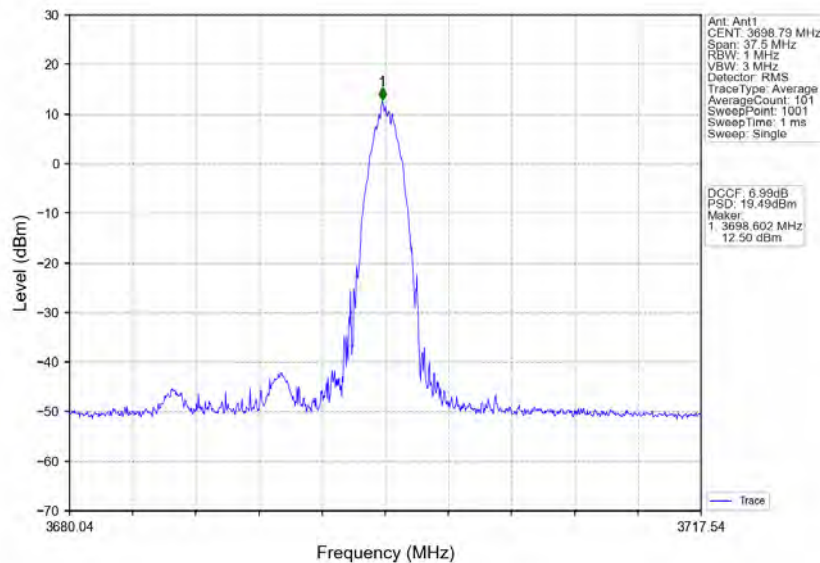
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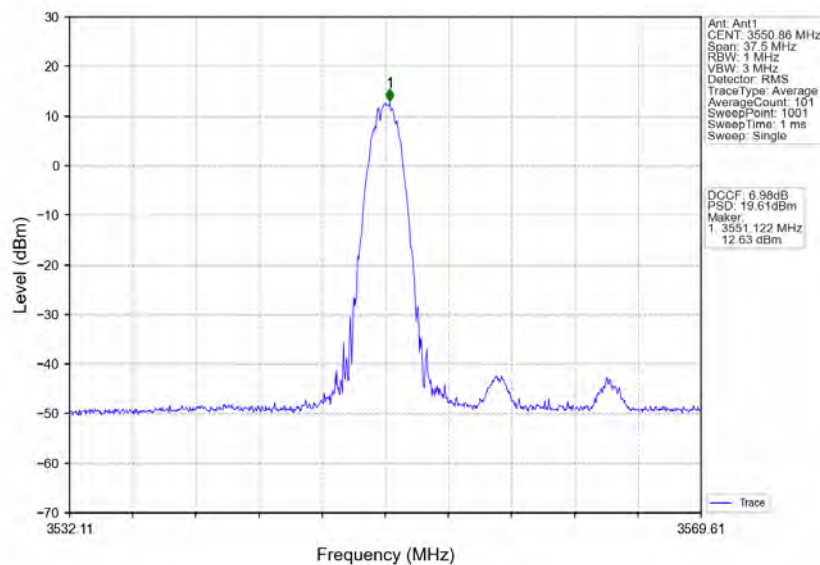
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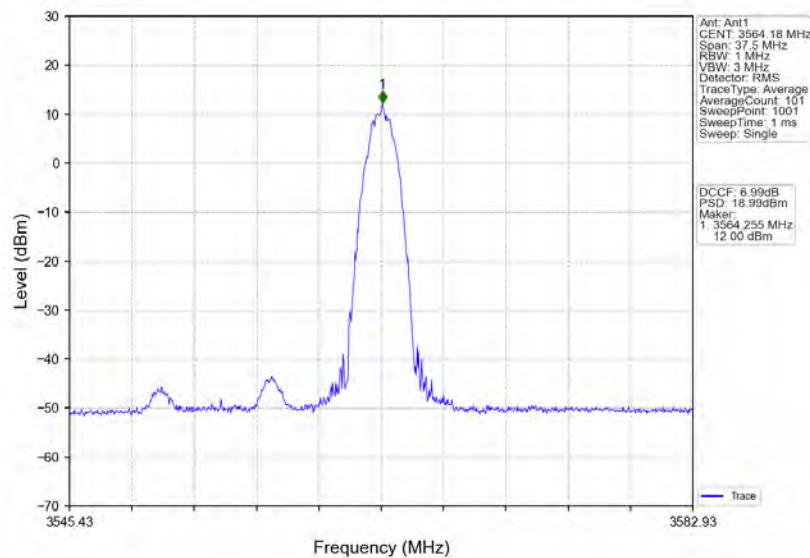
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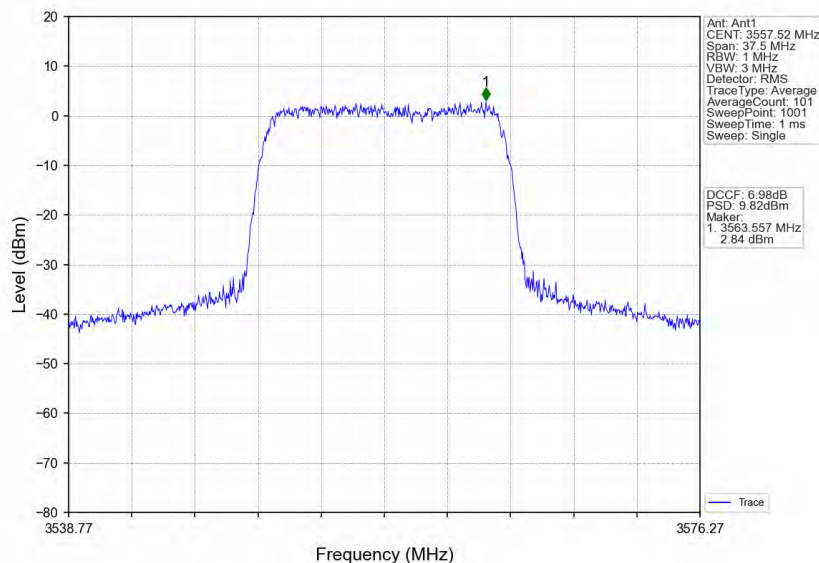
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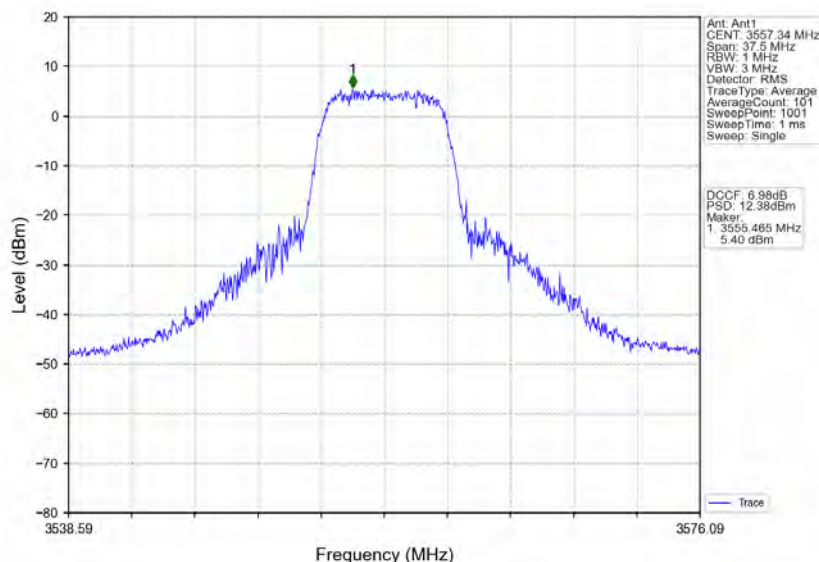
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n78d_30kHz_MIMO_NTNV_15MHz_CP-OFDM_16_QAM_3557.52MHz_Outer_Full



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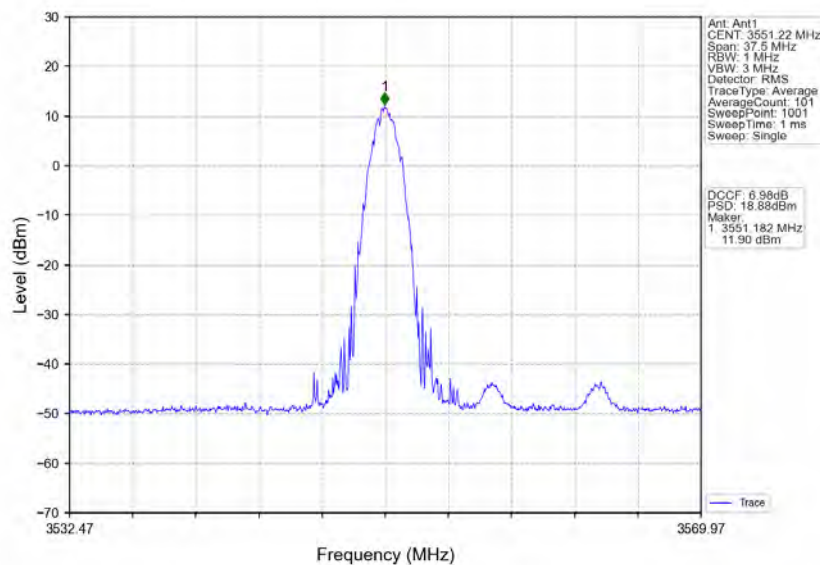
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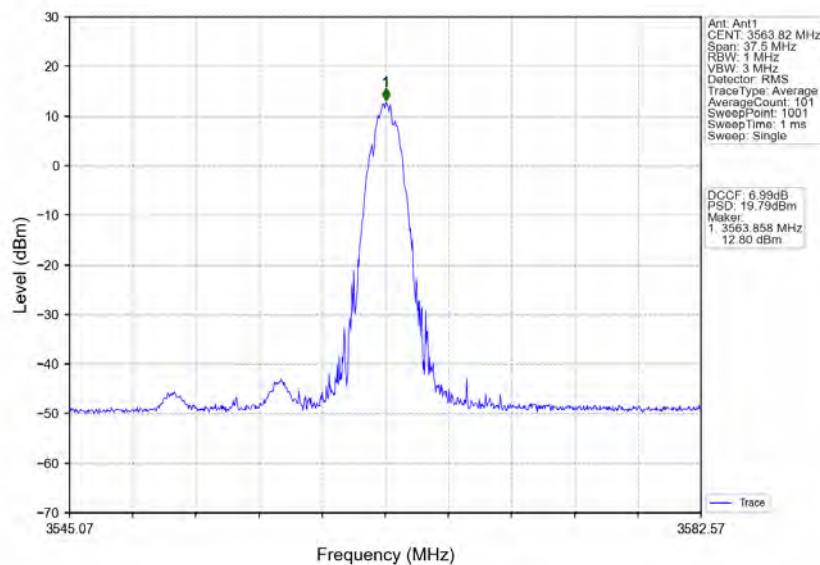
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n78d_30kHz_MIMO_NTNV_15MHz_CP-OFDM 16 QAM 3557.52MHz Inner 1RB_Left



n78d_30kHz_MIMO_NTNV_15MHz_CP-OFDM 16 QAM 3557.52MHz Inner 1RB_Right



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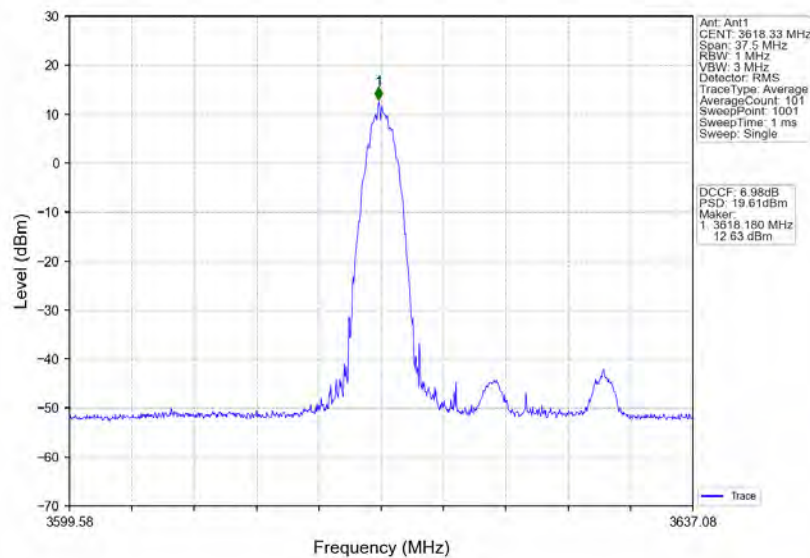
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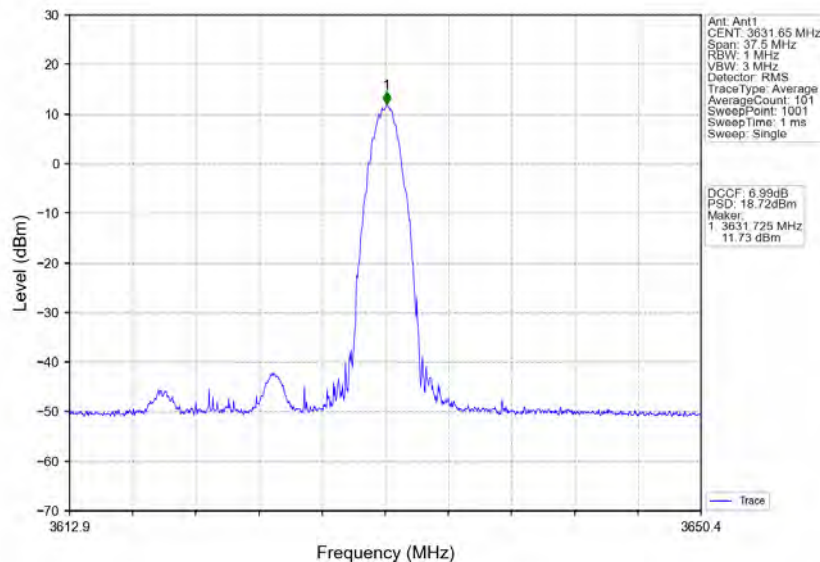
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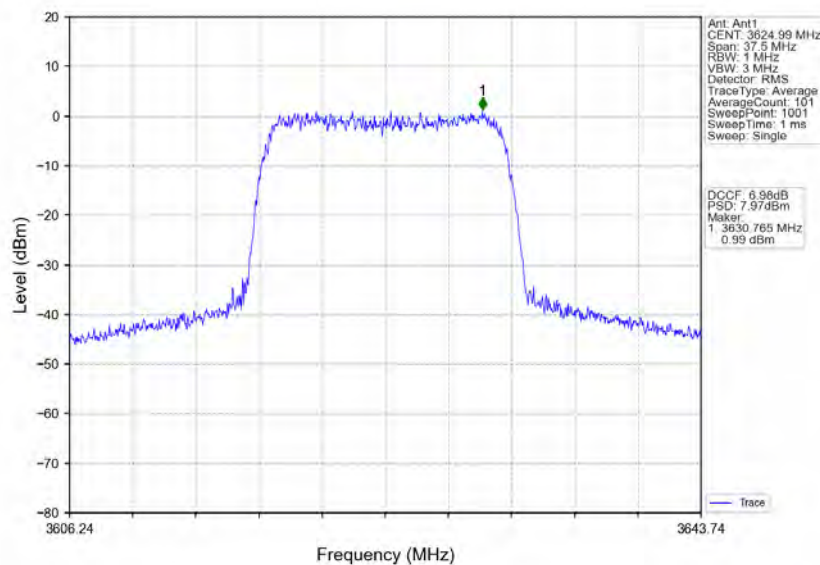
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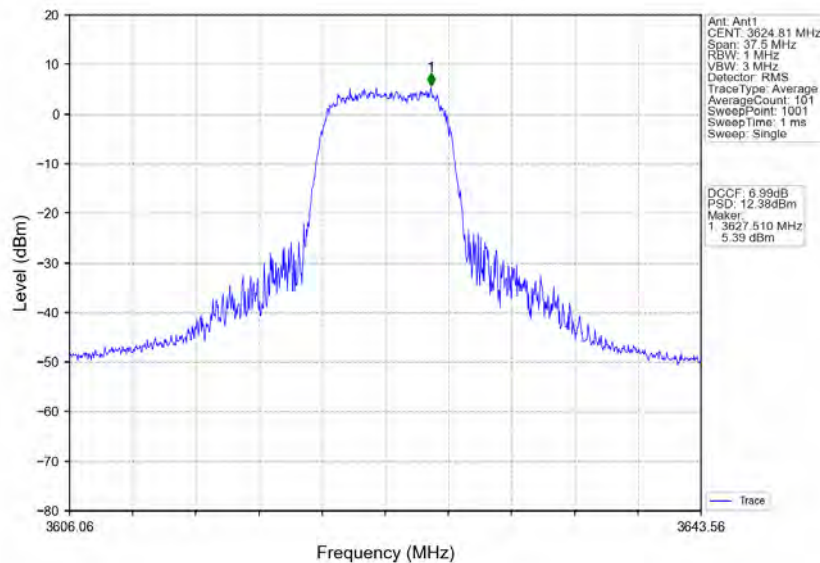
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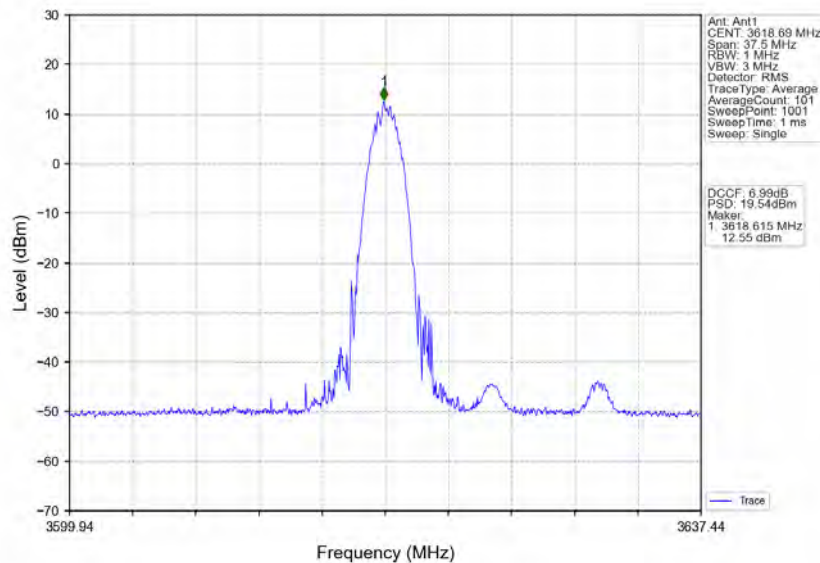
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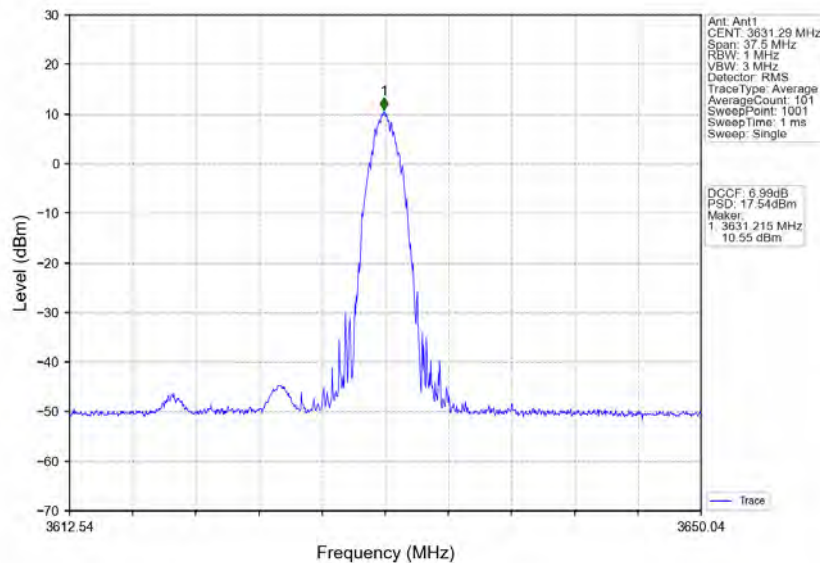
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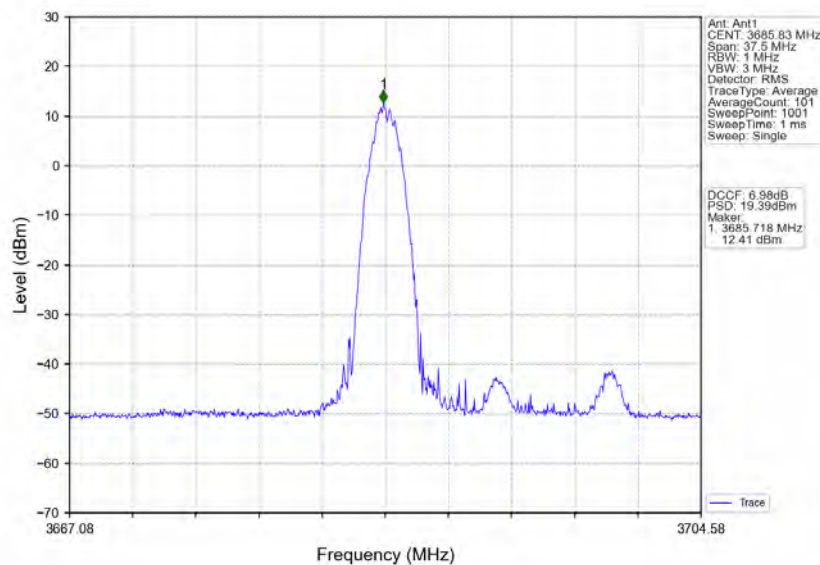
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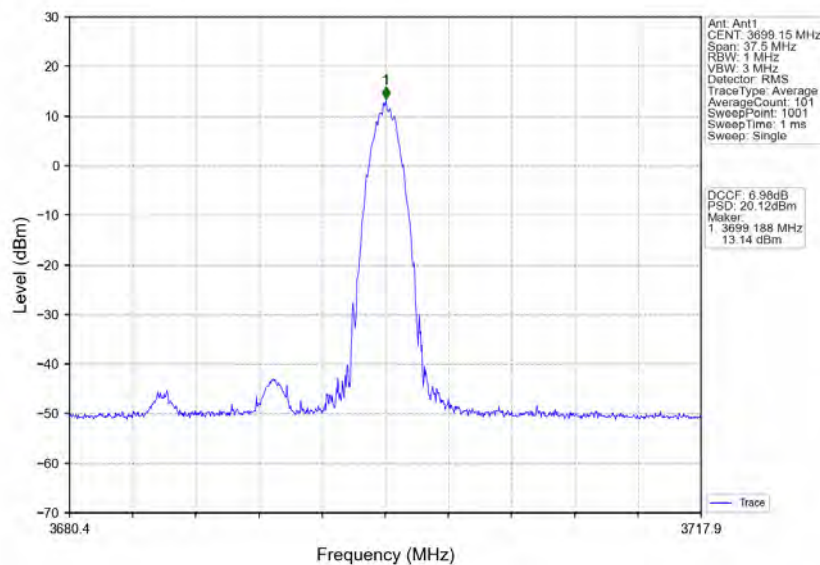
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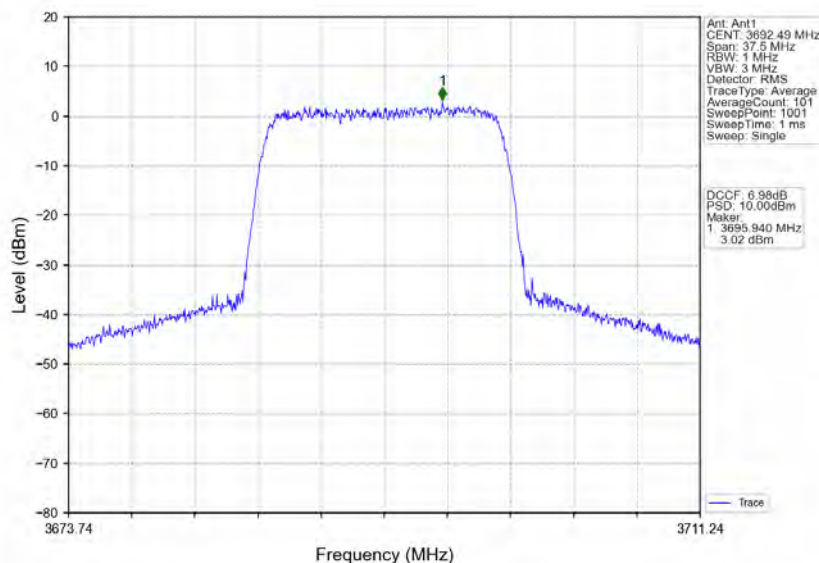
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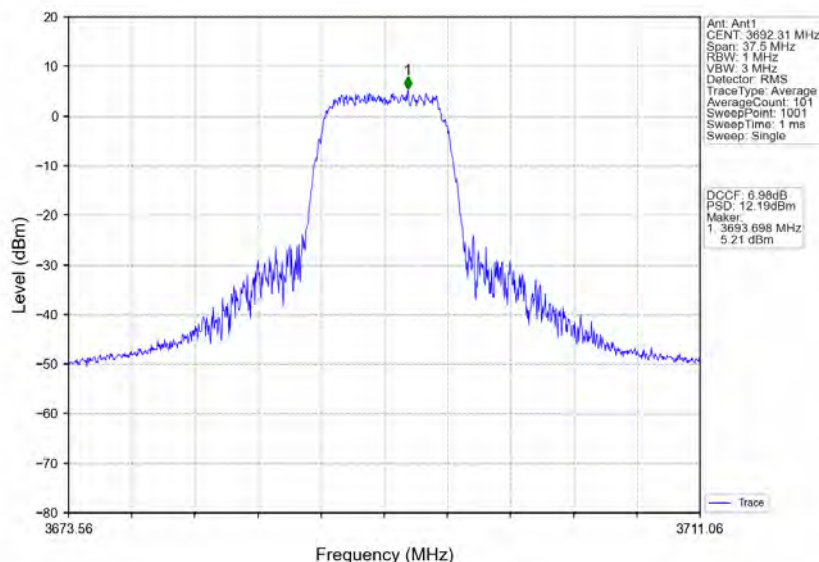
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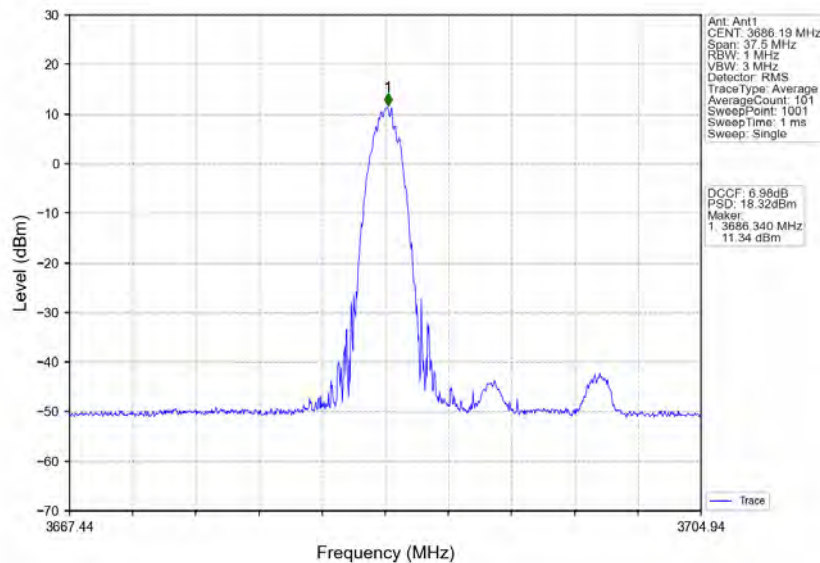
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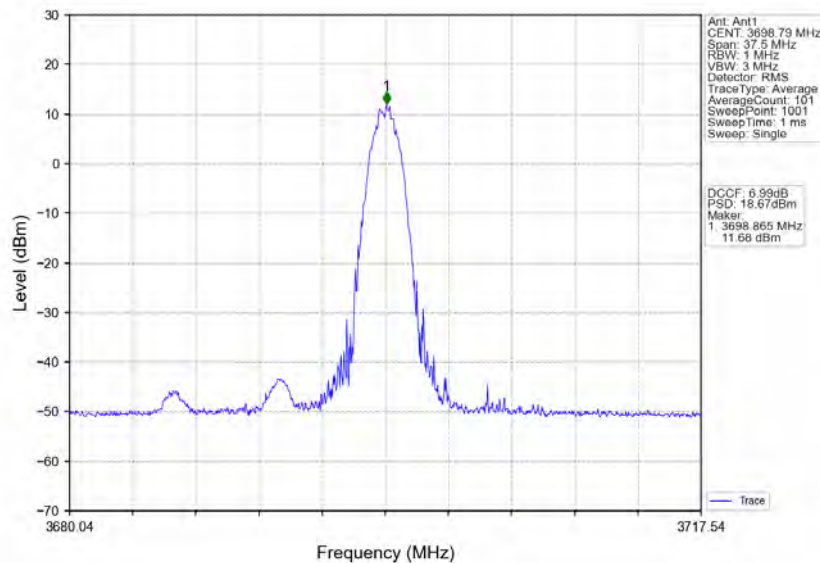
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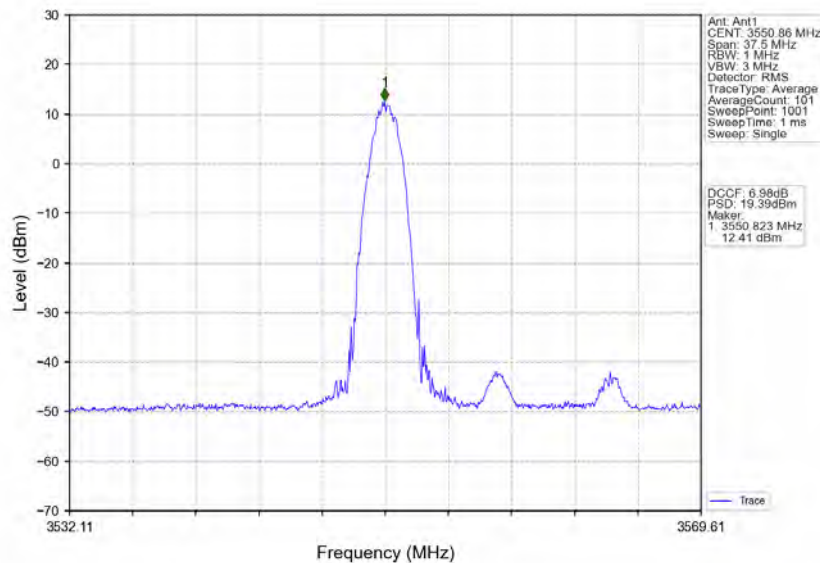
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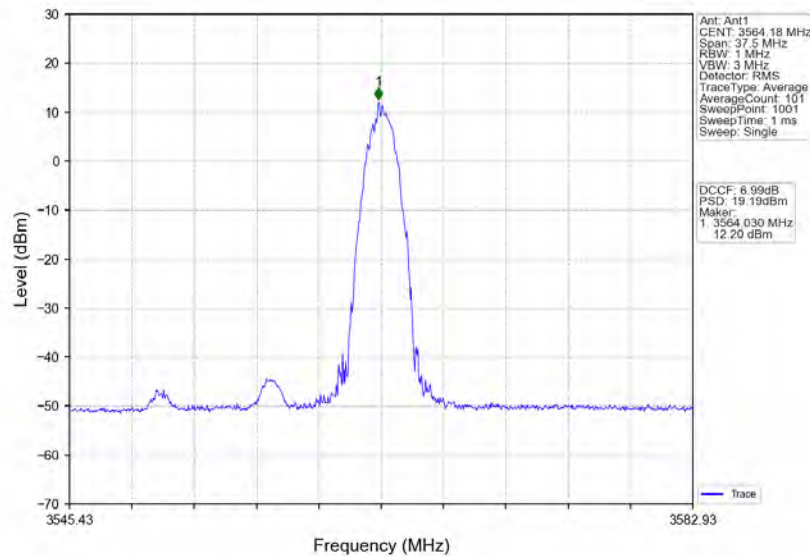
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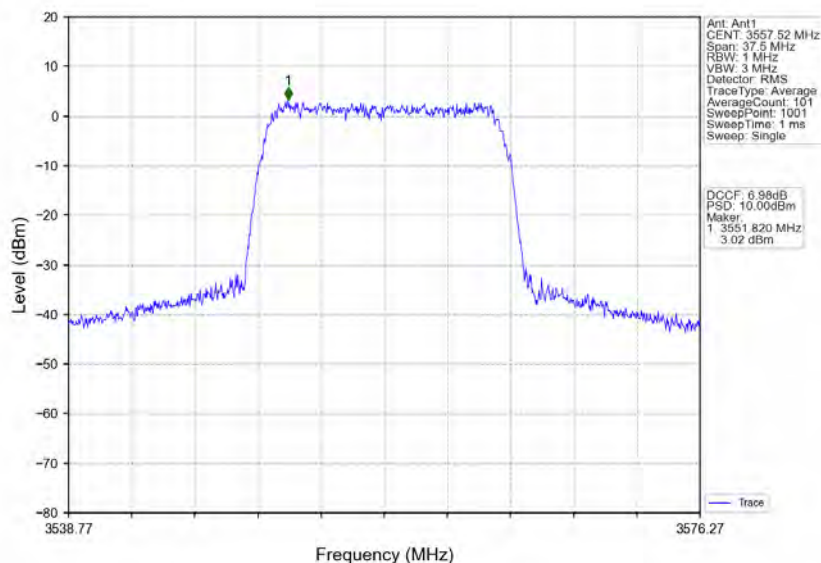
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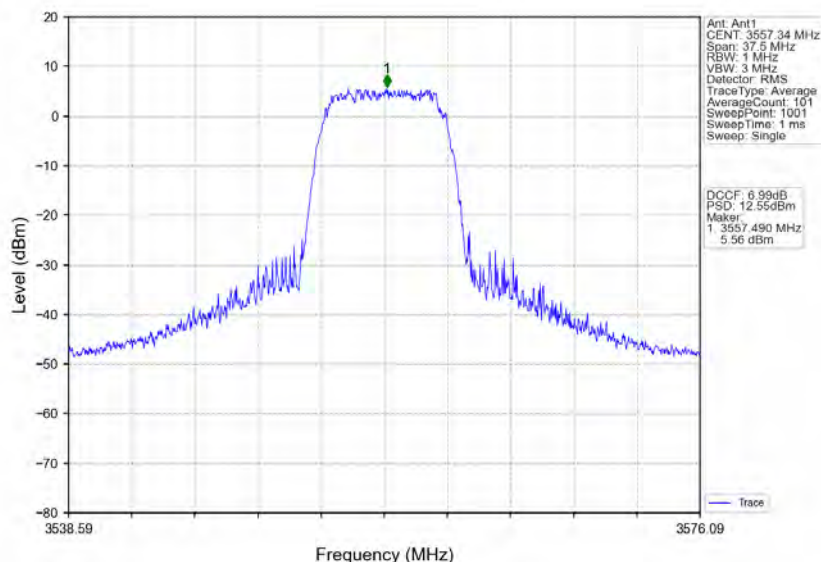
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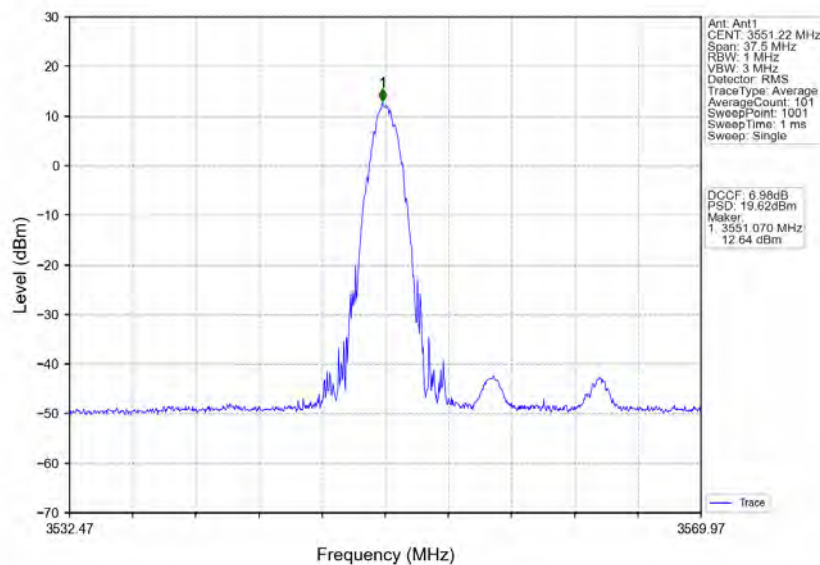
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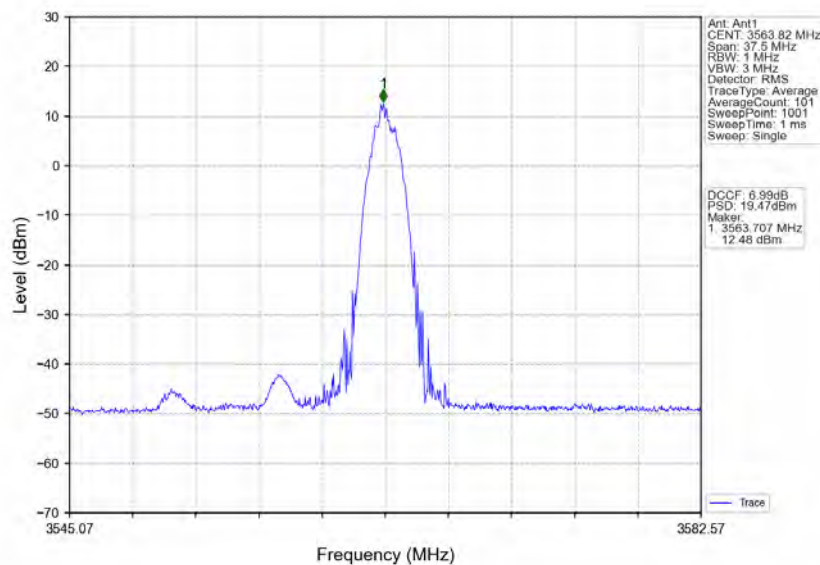
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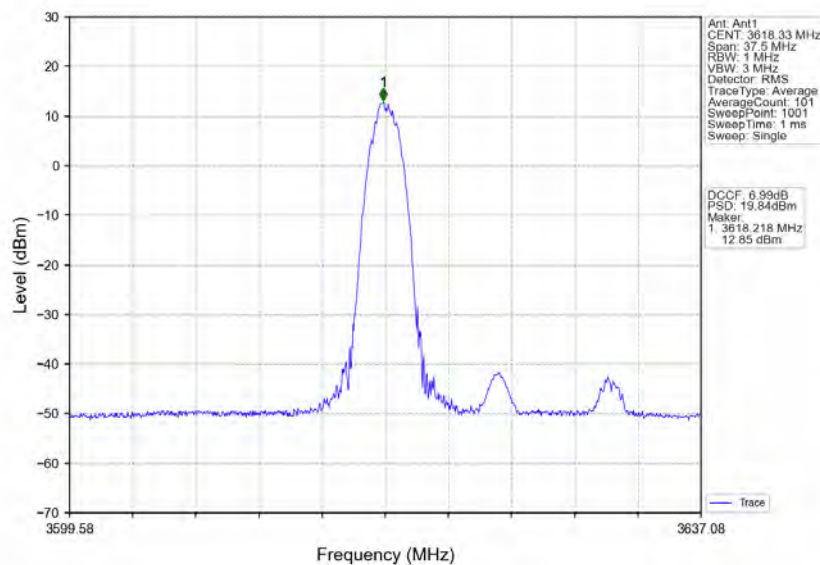
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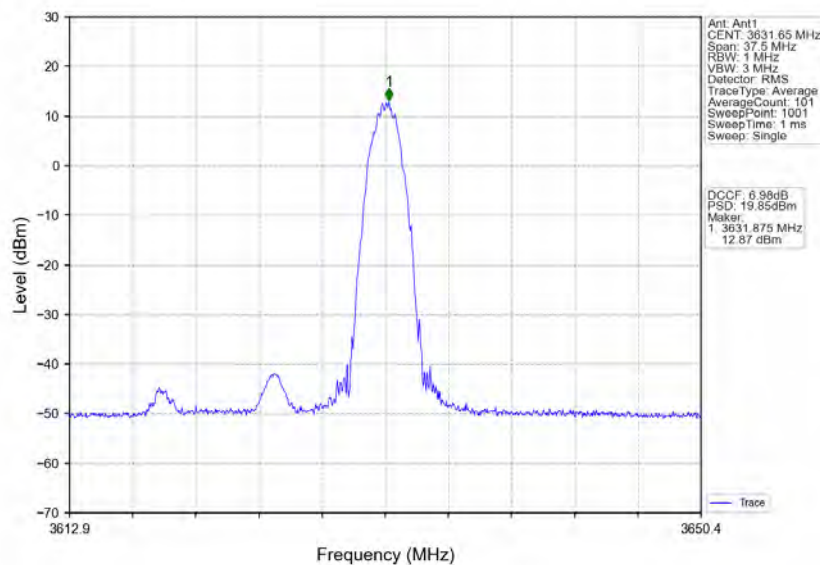
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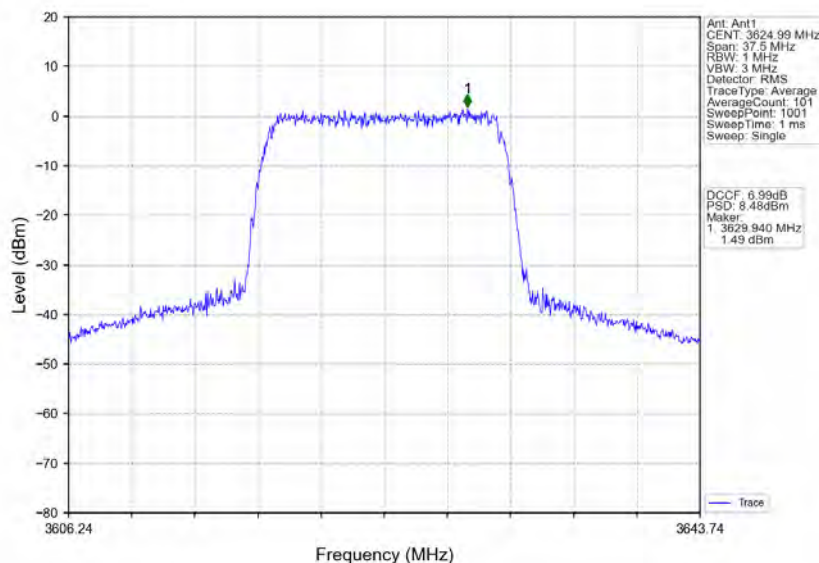
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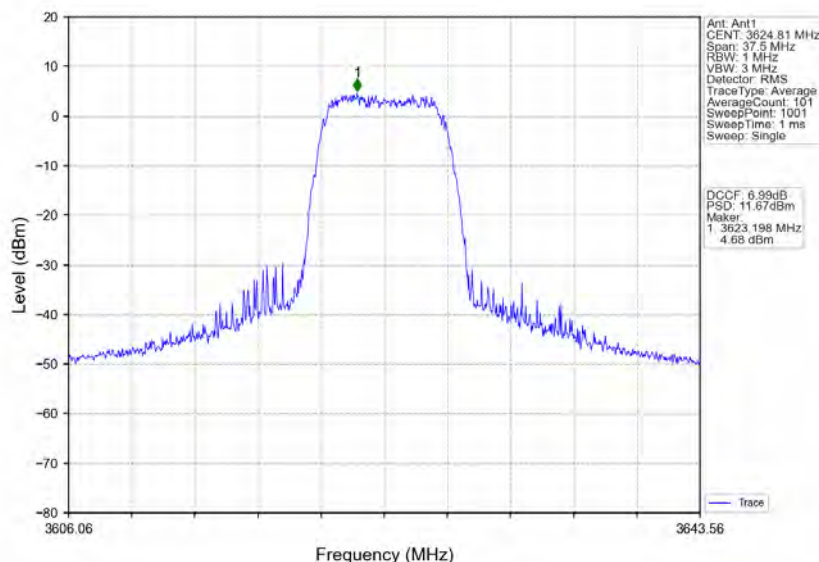
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n78d_30kHz_MIMO_NTNV_15MHz_CP-OFDM 64 QAM_3624.99MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_15MHz_CP-OFDM 64 QAM_3624.99MHz_Inner_Full



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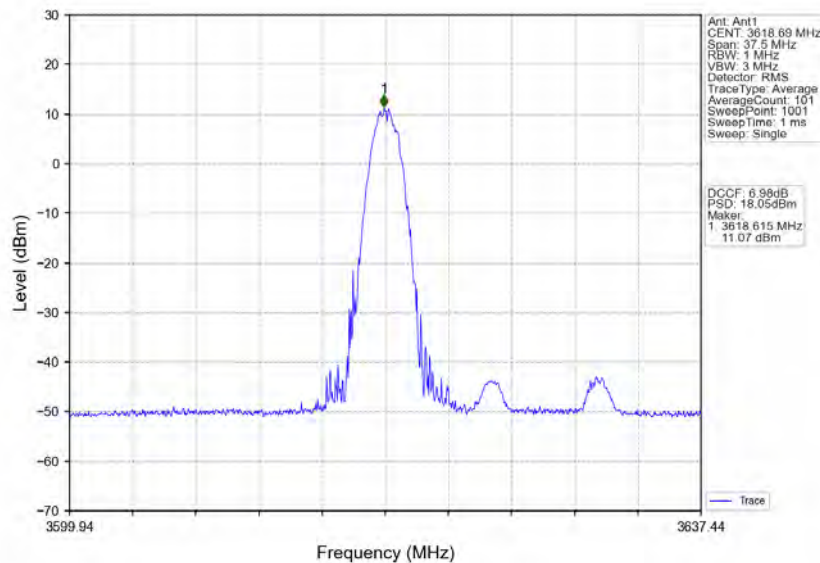
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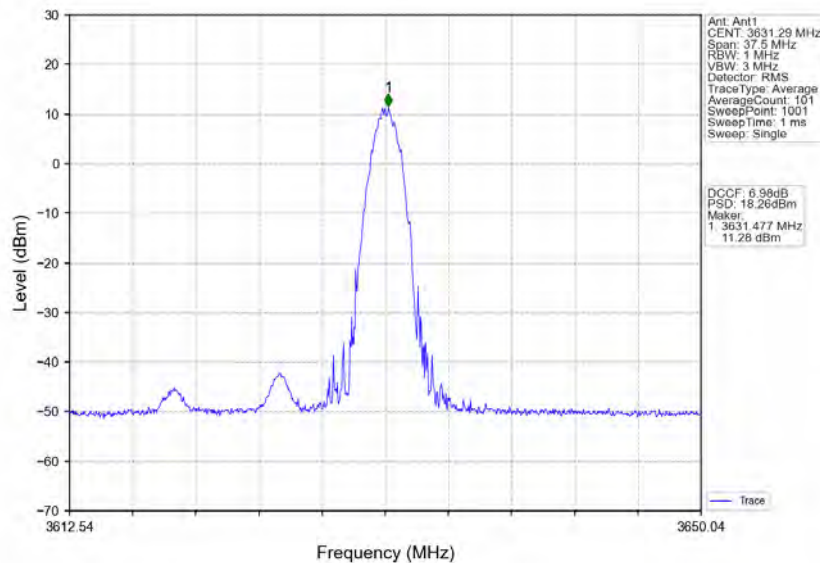
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n78d_30kHz_MIMO_NTNV_15MHz_CP-OFDM 64 QAM_3624.99MHz_Inner_1RB_Left



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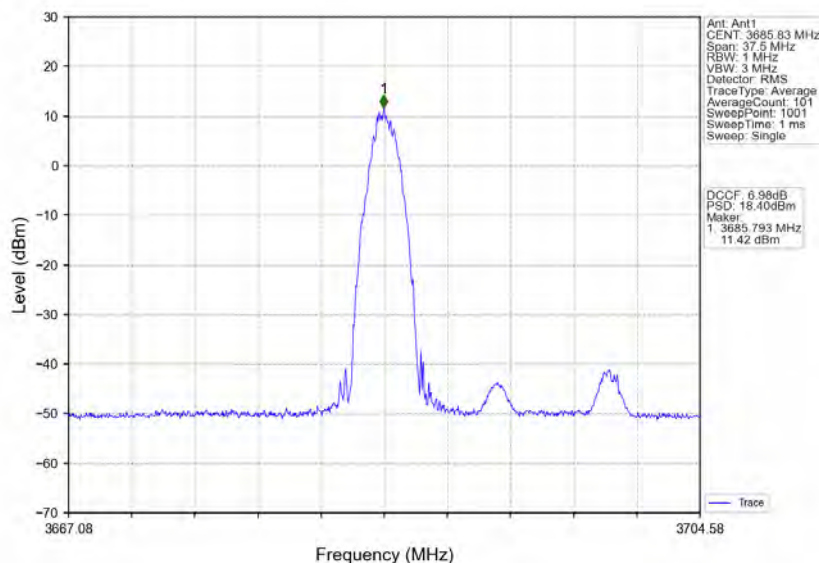
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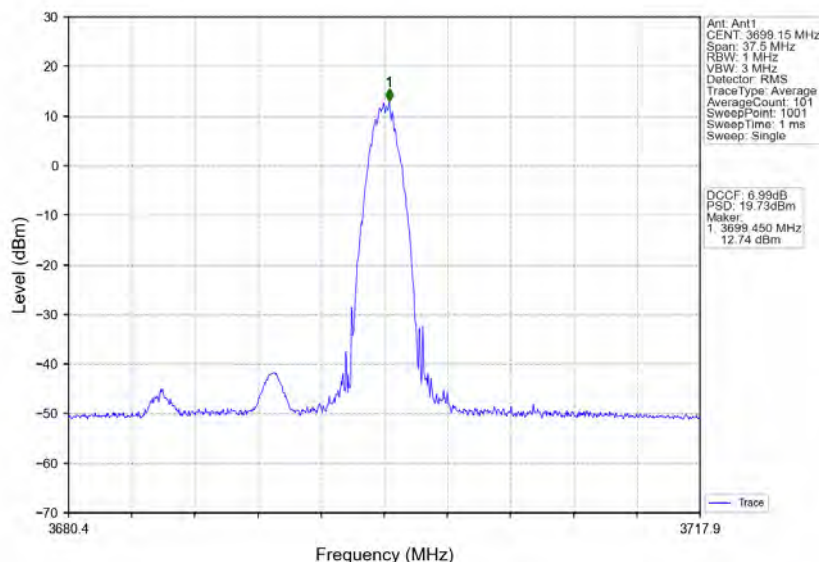
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n78d_30kHz_MIMO_NTNV_15MHz_CP-OFDM 64 QAM_3692.49MHz_Edge_1RB_Left



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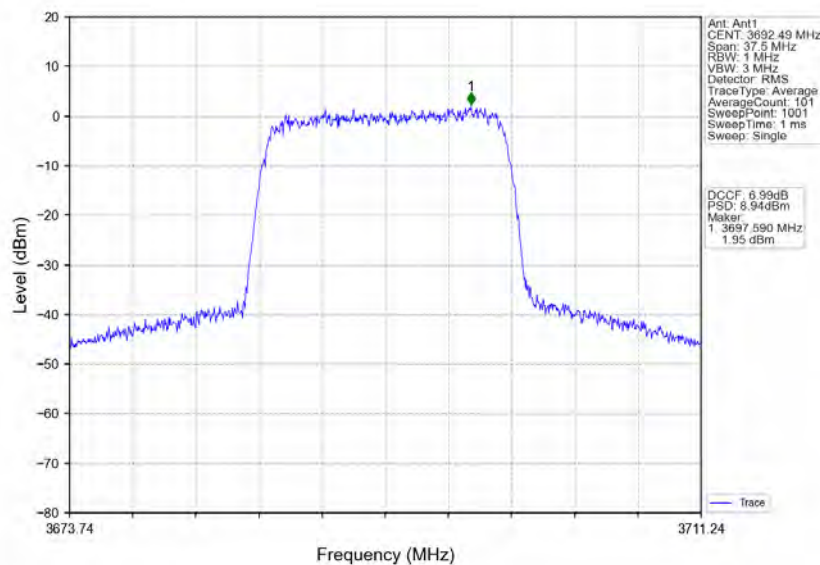
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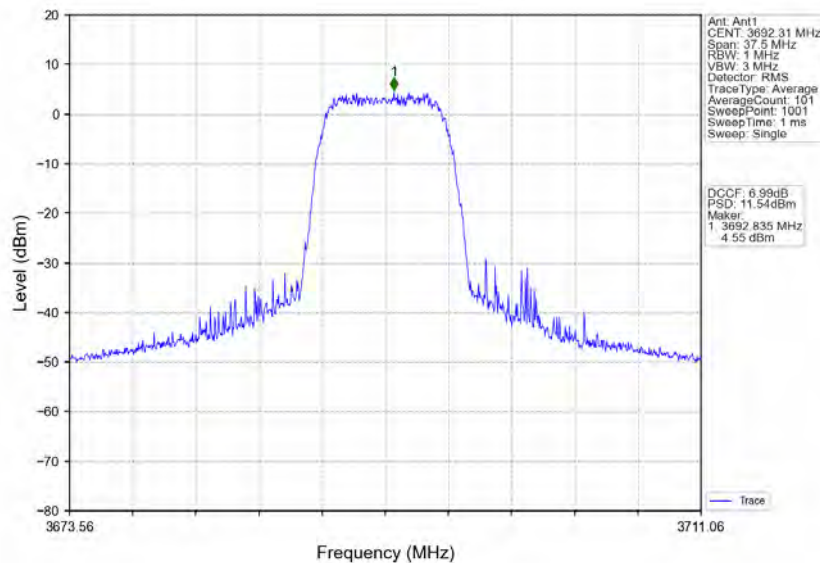
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n78d_30kHz_MIMO_NTNV_15MHz_CP-OFDM_64_QAM_3692.49MHz_Outer_Full



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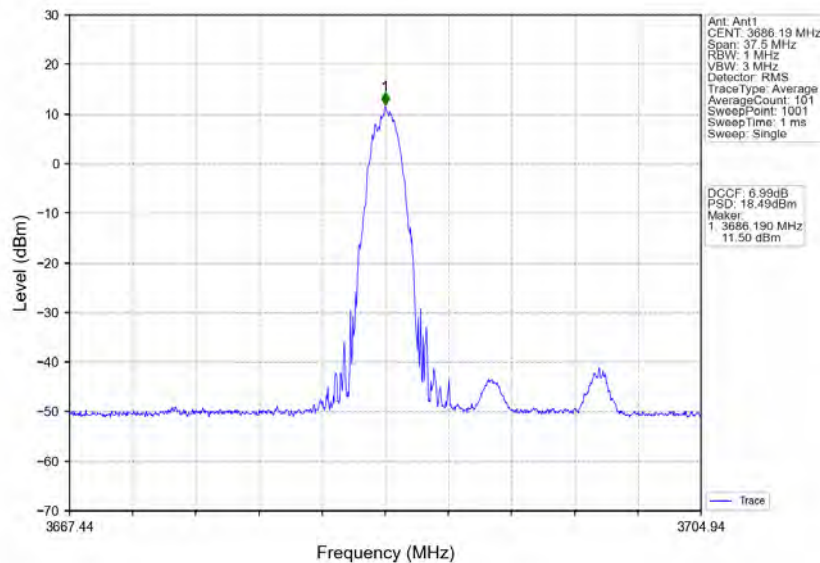
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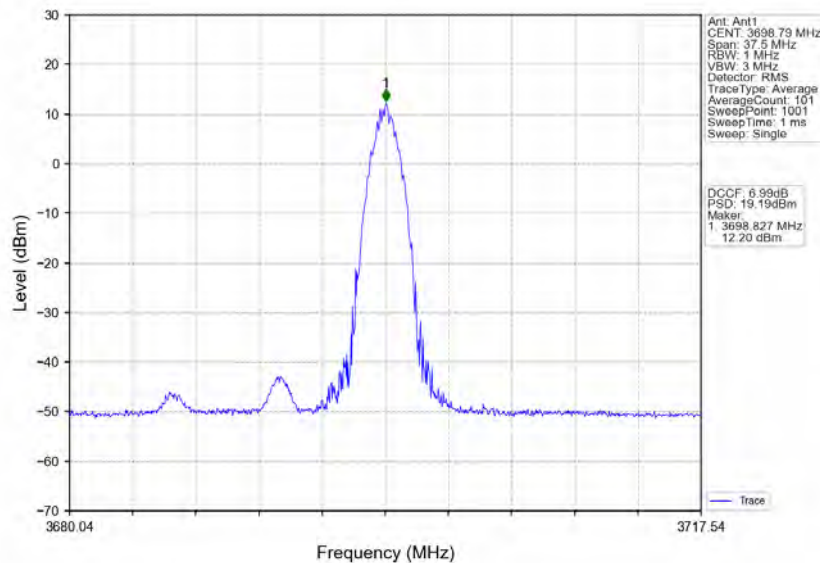
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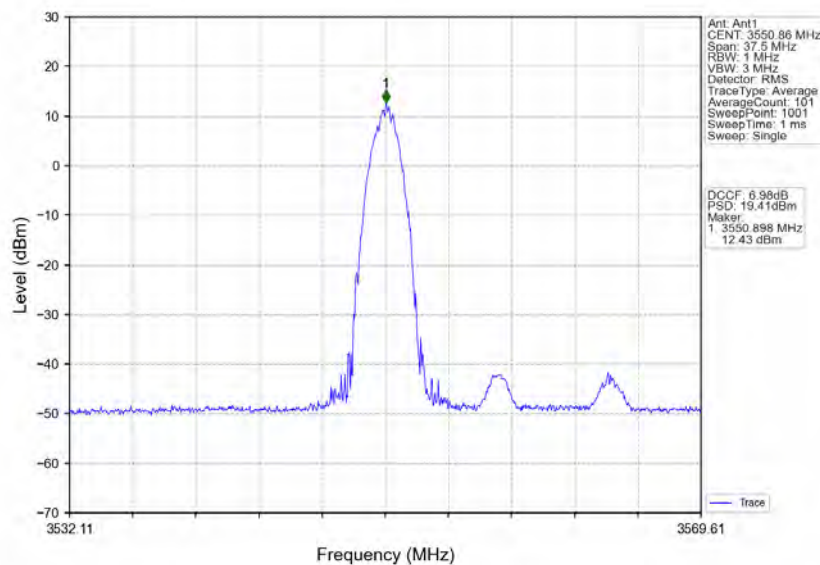
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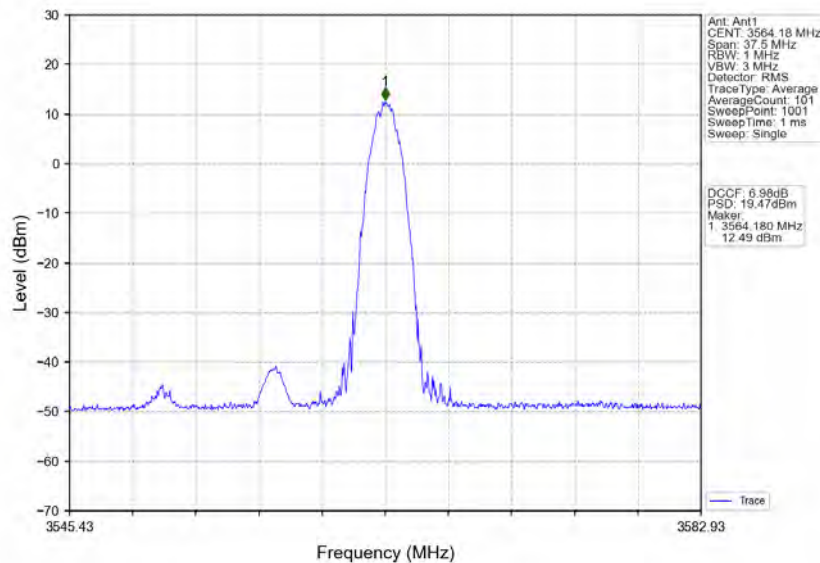
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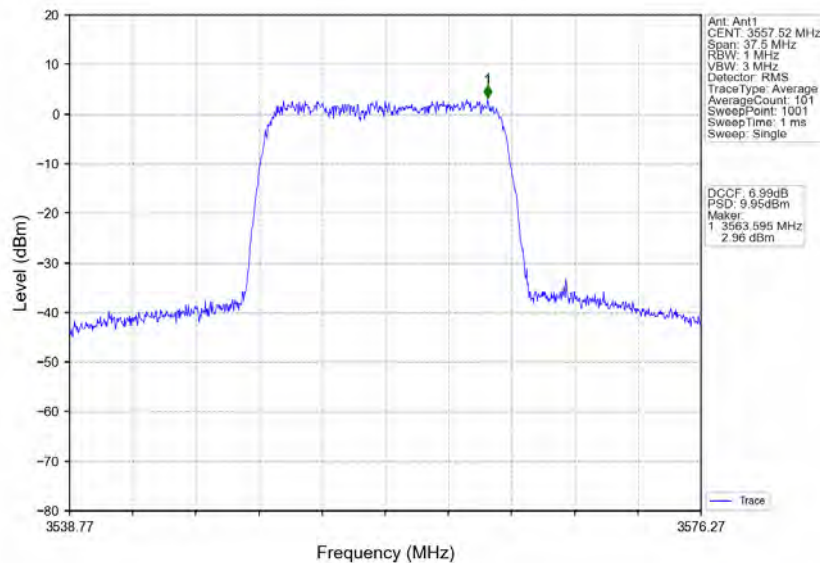
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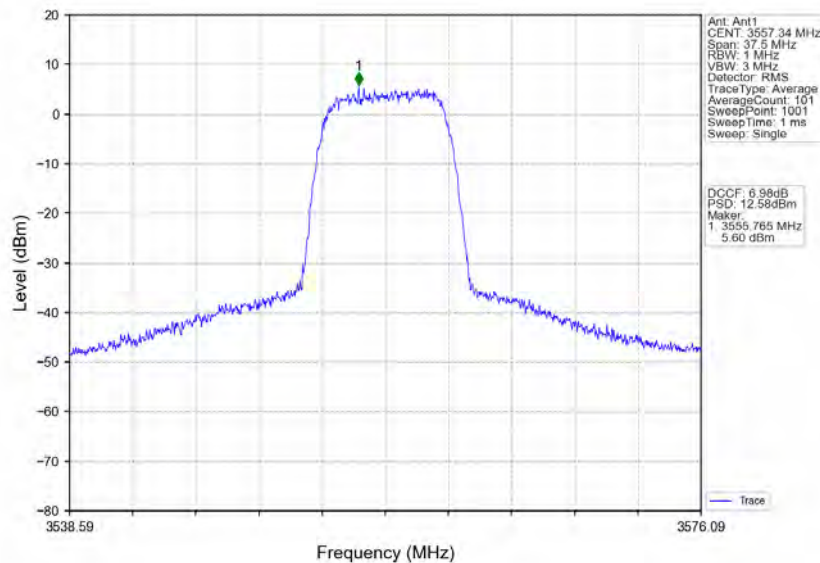
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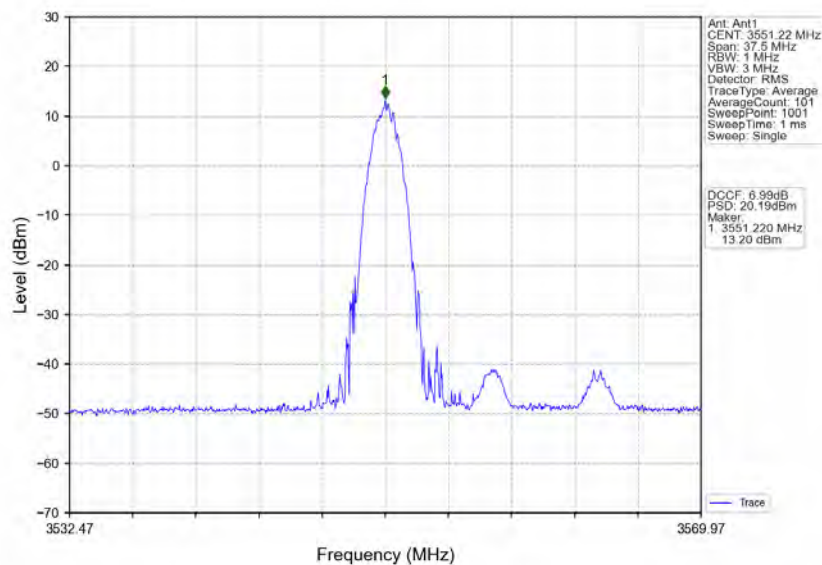
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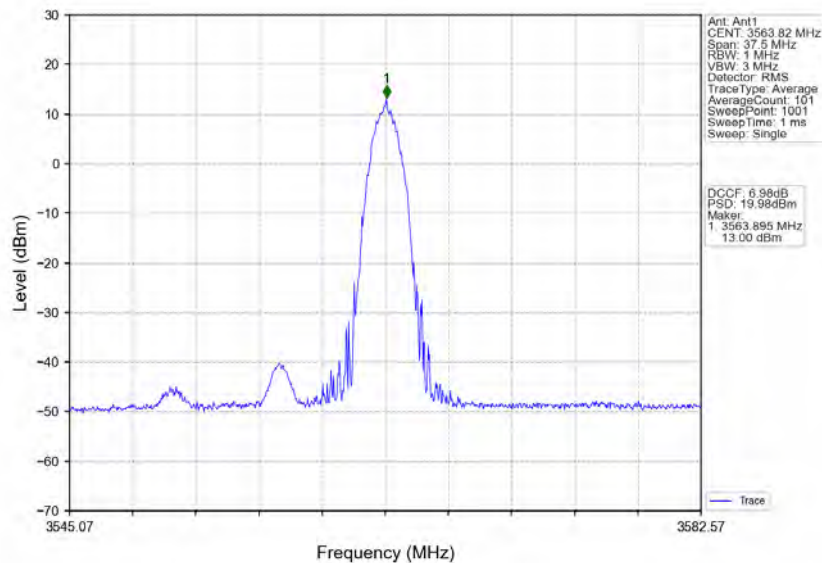
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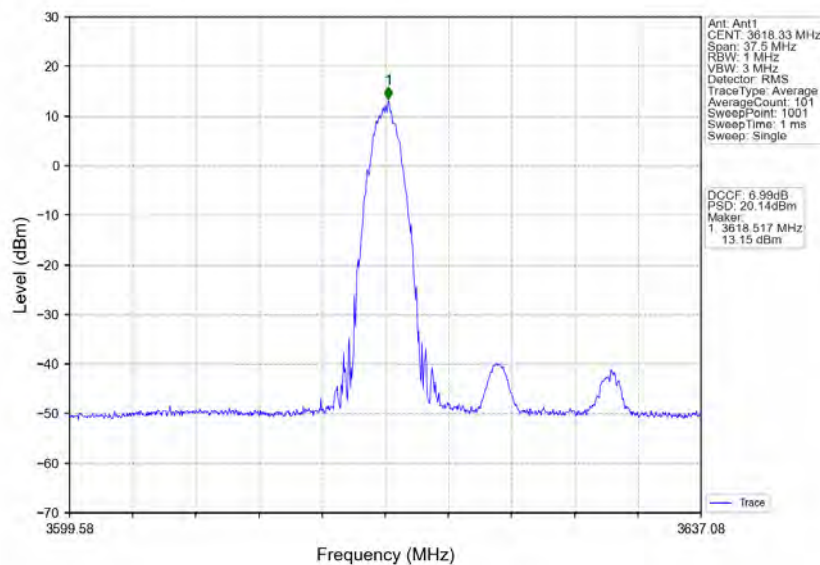
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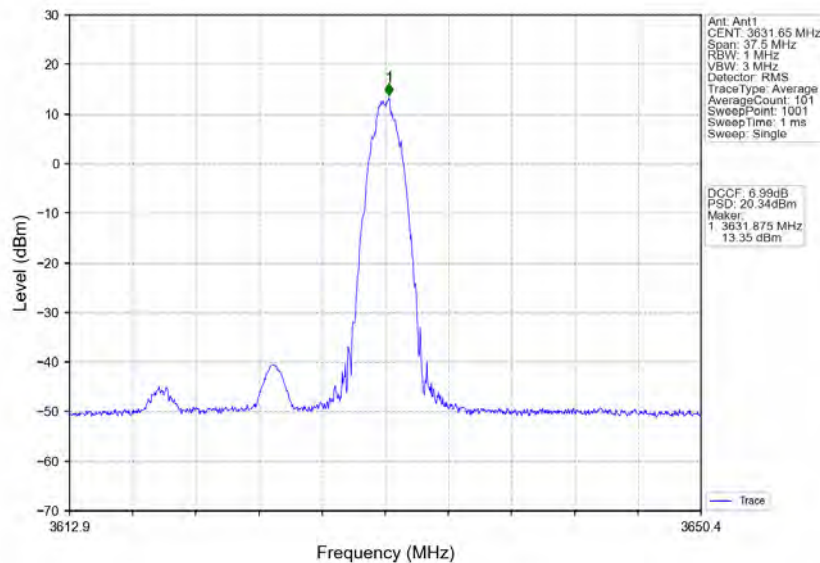
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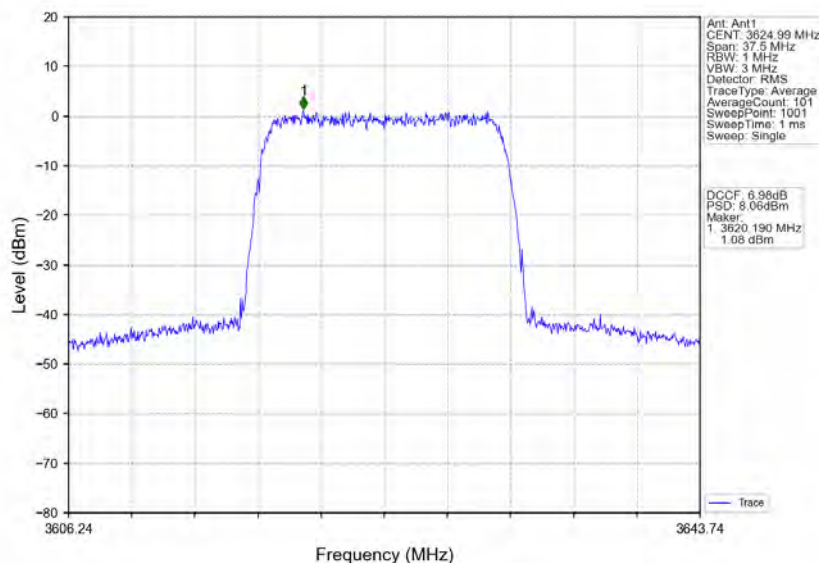
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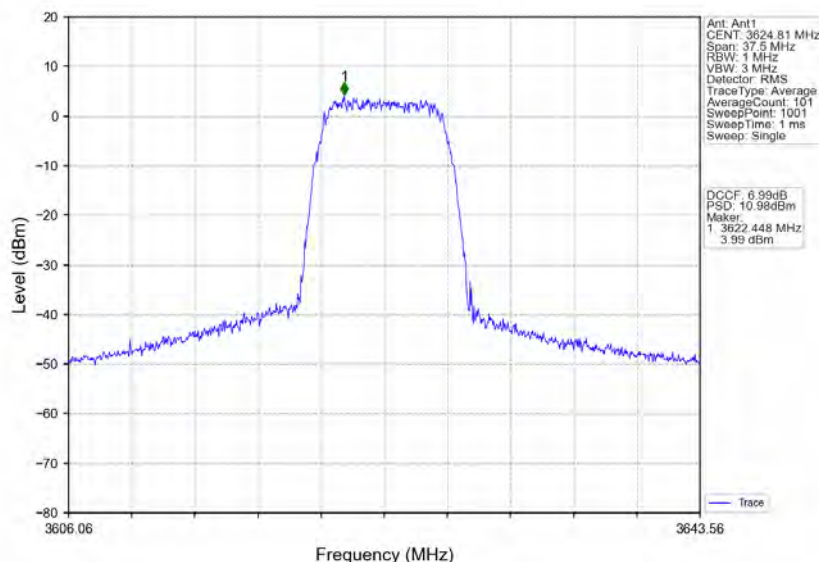
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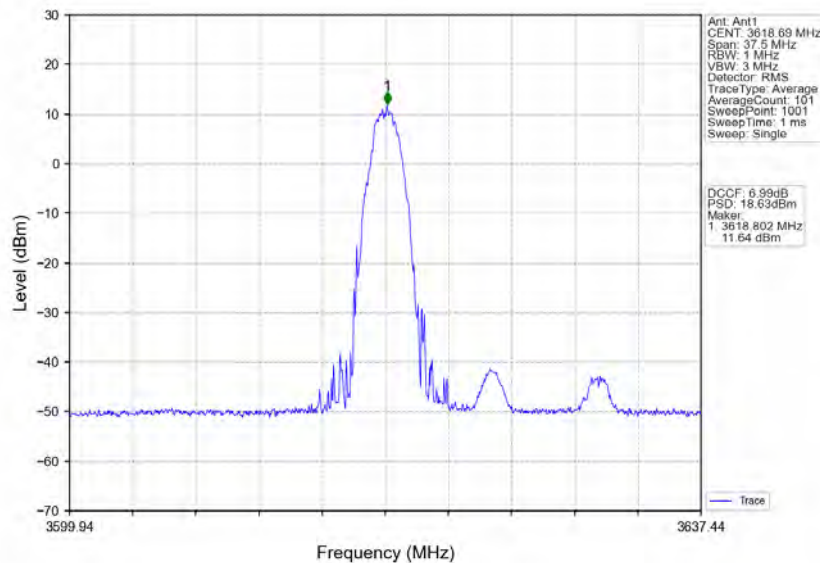
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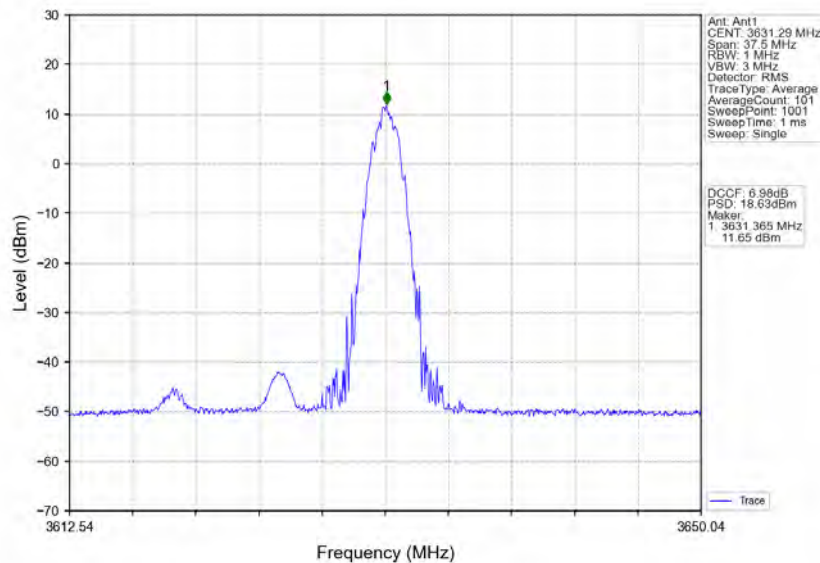
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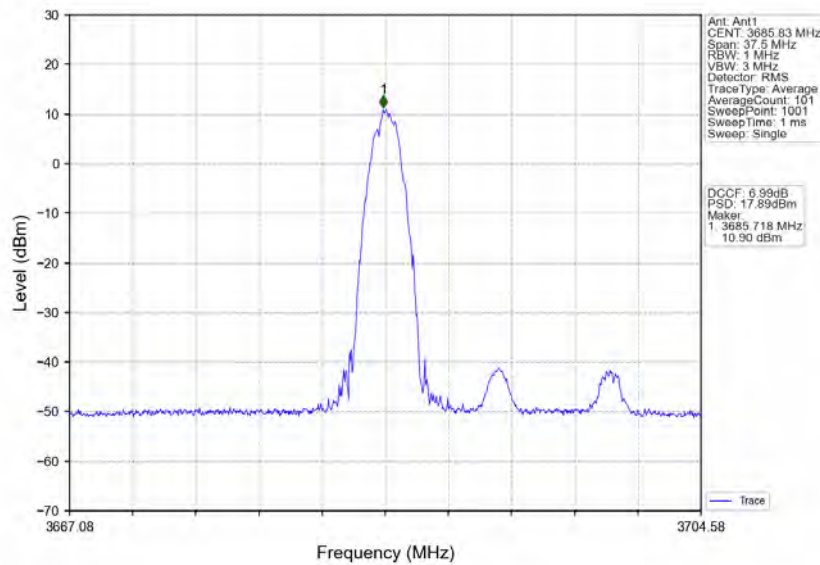
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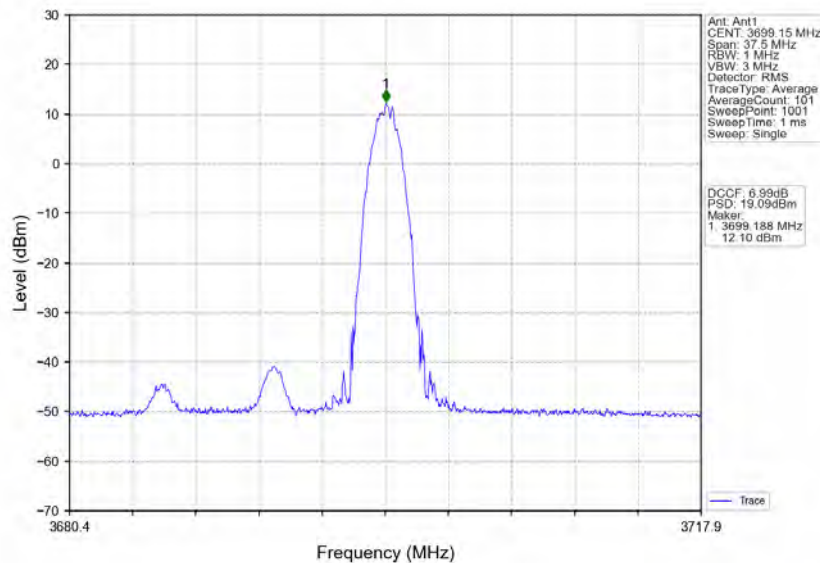
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n78d_30kHz_MIMO_NTNV_15MHz_CP-OFDM_256_QAM_3692.49MHz_Edge_1RB_Left



n78d_30kHz_MIMO_NTNV_15MHz_CP-OFDM_256_QAM_3692.49MHz_Edge_1RB_Right



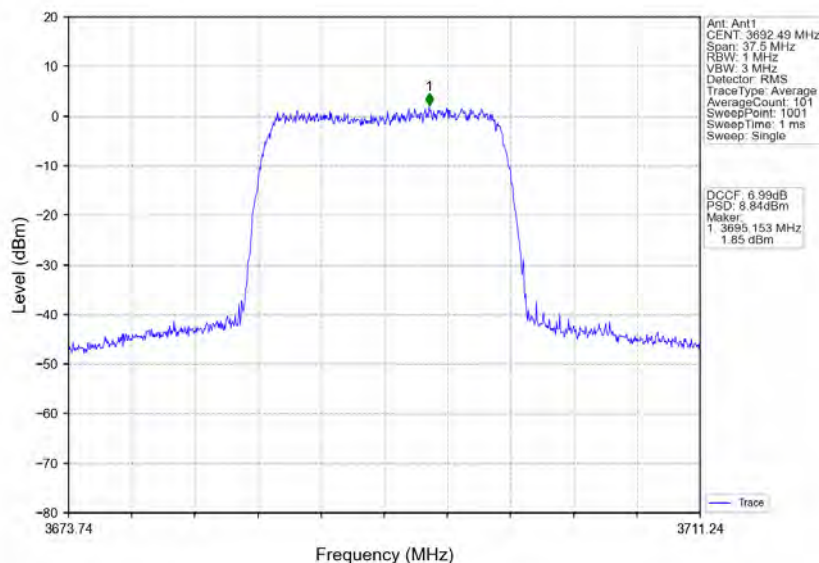
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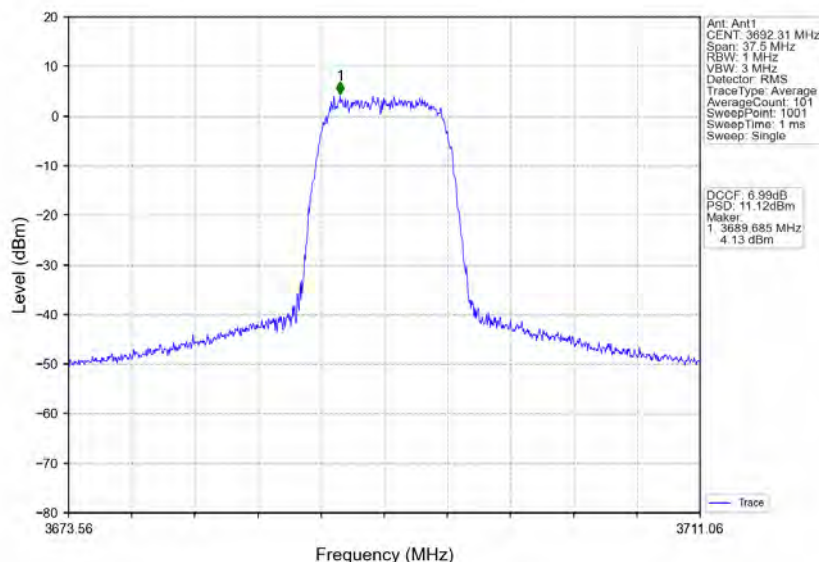
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n78d_30kHz_MIMO_NTNV_15MHz_CP-OFDM_256_QAM_3692.49MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_15MHz_CP-OFDM_256_QAM_3692.49MHz_Inner_Full



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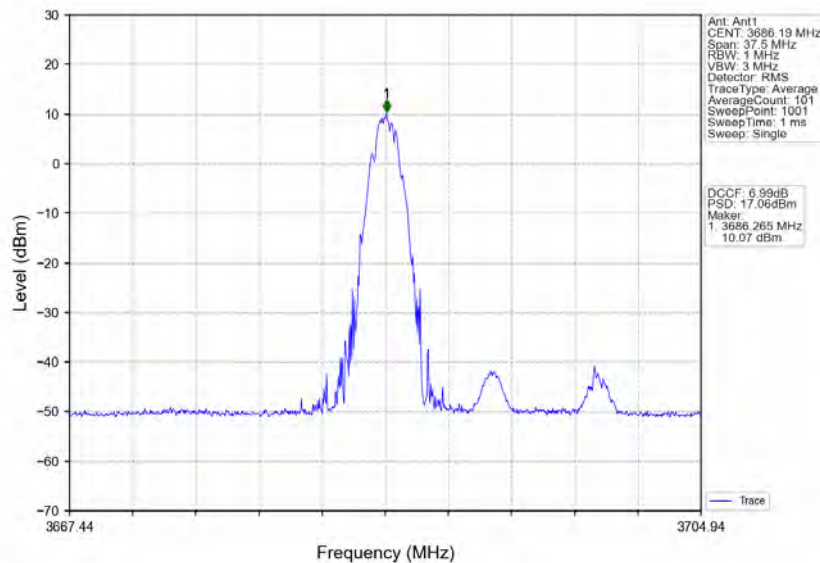
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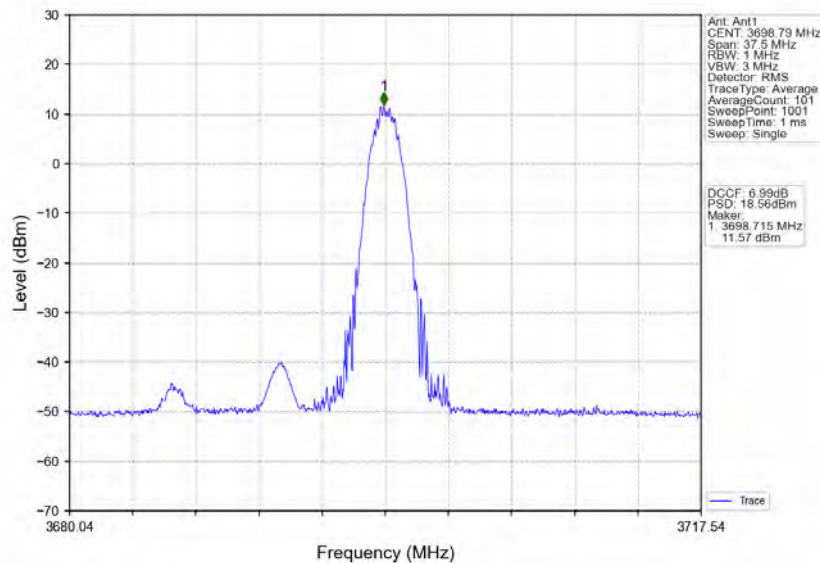
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n78d_30kHz_MIMO_NTNV_15MHz_CP-OFDM_256_QAM_3692.49MHz_Inner_1RB_Left



n78d_30kHz_MIMO_NTNV_15MHz_CP-OFDM_256_QAM_3692.49MHz_Inner_1RB_Right



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2.7 30k_MIMO_20MHz_NTNV_EIRP

2.7.1 Test Result

5G NR n78d SCS=30kHz MIMO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm)			EIRP(dBm)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3560.01	Edge 1RB Left	19.22	19.27	22.26	33.54	33.62	36.59	-	Pass
		Edge 1RB Right	19.35	19.35	22.36	33.67	33.70	36.70	-	Pass
		Outer Full	19.32	19.37	22.36	33.64	33.72	36.69	-	Pass
		Inner Full	19.34	19.34	22.35	33.66	33.69	36.69	-	Pass
		Inner 1RB Left	19.24	19.29	22.28	33.56	33.64	36.61	-	Pass
		Inner 1RB Right	19.43	19.45	22.45	33.75	33.80	36.79	-	Pass
	3624.99	Edge 1RB Left	19.36	19.39	22.39	33.68	33.74	36.72	-	Pass
		Edge 1RB Right	19.22	19.31	22.28	33.54	33.66	36.61	-	Pass
		Outer Full	19.37	19.44	22.42	33.69	33.79	36.75	-	Pass
		Inner Full	19.37	19.42	22.41	33.69	33.77	36.74	-	Pass
		Inner 1RB Left	19.37	19.31	22.35	33.69	33.66	36.69	-	Pass
		Inner 1RB Right	19.31	19.39	22.36	33.63	33.74	36.70	-	Pass
	3690	Edge 1RB Left	18.75	18.83	21.80	33.07	33.18	36.14	-	Pass
		Edge 1RB Right	18.82	18.90	21.87	33.14	33.25	36.21	-	Pass
		Outer Full	18.84	18.92	21.89	33.16	33.27	36.23	-	Pass
		Inner Full	18.79	18.97	21.89	33.11	33.32	36.23	-	Pass
		Inner 1RB Left	18.70	18.75	21.74	33.02	33.10	36.07	-	Pass
		Inner 1RB Right	18.93	18.93	21.94	33.25	33.28	36.28	-	Pass
CP-OFDM 16 QAM	3560.01	Edge 1RB Left	19.42	19.34	22.39	33.74	33.69	36.73	-	Pass
		Edge 1RB Right	19.44	19.43	22.45	33.76	33.78	36.78	-	Pass
		Outer Full	19.29	19.30	22.31	33.61	33.65	36.64	-	Pass
		Inner Full	19.38	19.39	22.40	33.70	33.74	36.73	-	Pass
		Inner 1RB Left	19.37	19.42	22.41	33.69	33.77	36.74	-	Pass
		Inner 1RB Right	19.39	19.42	22.42	33.71	33.77	36.75	-	Pass
	3624.99	Edge 1RB Left	19.41	19.46	22.45	33.73	33.81	36.78	-	Pass
		Edge 1RB Right	19.40	19.45	22.44	33.72	33.80	36.77	-	Pass
		Outer Full	19.36	19.38	22.38	33.68	33.73	36.72	-	Pass
		Inner Full	19.37	19.46	22.43	33.69	33.81	36.76	-	Pass
		Inner 1RB Left	19.46	19.55	22.52	33.78	33.90	36.85	-	Pass
		Inner 1RB Right	19.40	19.42	22.42	33.72	33.77	36.76	-	Pass
	3690	Edge 1RB Left	18.88	18.88	21.89	33.20	33.23	36.23	-	Pass
		Edge 1RB Right	19.00	19.01	22.02	33.32	33.36	36.35	-	Pass
		Outer Full	18.67	18.92	21.81	32.99	33.27	36.14	-	Pass
		Inner Full	18.81	18.96	21.90	33.13	33.31	36.23	-	Pass
		Inner 1RB Left	18.89	18.96	21.94	33.21	33.31	36.27	-	Pass
		Inner 1RB Right	18.90	18.93	21.93	33.22	33.28	36.26	-	Pass
CP-OFDM 64 QAM	3560.01	Edge 1RB Left	19.38	19.33	22.37	33.70	33.68	36.70	-	Pass
		Edge 1RB Right	19.43	19.41	22.43	33.75	33.76	36.77	-	Pass
		Outer Full	19.37	19.37	22.38	33.69	33.72	36.72	-	Pass
		Inner Full	19.33	19.38	22.37	33.65	33.73	36.70	-	Pass
		Inner 1RB Left	19.32	19.38	22.36	33.64	33.73	36.70	-	Pass
		Inner 1RB Right	19.39	19.40	22.41	33.71	33.75	36.74	-	Pass
	3624.99	Edge 1RB Left	19.37	19.44	22.42	33.69	33.79	36.75	-	Pass
		Edge 1RB Right	19.47	19.40	22.45	33.79	33.75	36.78	-	Pass

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CP-OFDM 256 QAM		Outer_Full	19.34	19.43	22.40	33.66	33.78	36.73	-	Pass
		Inner_Full	19.39	19.49	22.45	33.71	33.84	36.79	-	Pass
		Inner_1RB_Left	19.41	19.46	22.45	33.73	33.81	36.78	-	Pass
		Inner_1RB_Right	19.40	19.46	22.44	33.72	33.81	36.78	-	Pass
	3690	Edge_1RB_Left	18.87	19.16	22.03	33.19	33.51	36.36	-	Pass
		Edge_1RB_Right	19.07	19.03	22.06	33.39	33.38	36.40	-	Pass
		Outer_Full	18.81	18.95	21.89	33.13	33.30	36.23	-	Pass
		Inner_Full	18.82	18.96	21.90	33.14	33.31	36.24	-	Pass
		Inner_1RB_Left	18.96	18.95	21.97	33.28	33.30	36.30	-	Pass
		Inner_1RB_Right	19.00	19.06	22.04	33.32	33.41	36.38	-	Pass
		Edge_1RB_Left	19.19	19.20	22.21	33.51	33.55	36.54	-	Pass
		Edge_1RB_Right	19.18	19.33	22.27	33.50	33.68	36.60	-	Pass
	3560.01	Outer_Full	19.33	19.29	22.32	33.65	33.64	36.66	-	Pass
		Inner_Full	19.29	19.29	22.30	33.61	33.64	36.64	-	Pass
		Inner_1RB_Left	19.21	19.30	22.27	33.53	33.65	36.60	-	Pass
		Inner_1RB_Right	19.20	19.28	22.25	33.52	33.63	36.59	-	Pass
		Edge_1RB_Left	19.30	19.38	22.35	33.62	33.73	36.69	-	Pass
		Edge_1RB_Right	19.28	19.25	22.28	33.60	33.60	36.61	-	Pass
		Outer_Full	19.37	19.34	22.37	33.69	33.69	36.70	-	Pass
		Inner_Full	19.29	19.38	22.35	33.61	33.73	36.68	-	Pass
	3624.99	Inner_1RB_Left	19.32	19.36	22.35	33.64	33.71	36.69	-	Pass
		Inner_1RB_Right	19.24	19.29	22.28	33.56	33.64	36.61	-	Pass
		Edge_1RB_Left	18.73	18.87	21.81	33.05	33.22	36.15	-	Pass
		Edge_1RB_Right	18.67	18.81	21.75	32.99	33.16	36.09	-	Pass
		Outer_Full	18.72	18.92	21.83	33.04	33.27	36.17	-	Pass
		Inner_Full	18.88	18.83	21.87	33.20	33.18	36.20	-	Pass
		Inner_1RB_Left	18.69	18.88	21.80	33.01	33.23	36.13	-	Pass
		Inner_1RB_Right	18.80	18.85	21.84	33.12	33.20	36.17	-	Pass

Note1: Antenna Gain: Ant1: 14.32dBi; Ant2: 14.35dBi;
Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2

2.8 30k_MIMO_20MHz_NTNV_EIRP/10MHz

2.8.1 Test Result

5G NR n78d SCS=30kHz MIMO 20MHz NTN										
Modulation	Frequency (MHz)	RB Allocation	Conducted Power(dBm/10MHz)			EIRP(dBm/10MHz)				Verdict
			Ant1	Ant2	Sum	Ant1	Ant2	Sum	Limit	
CP-OFDM QPSK	3560.01	Edge_1RB_Left	18.99	18.30	21.67	33.31	32.65	36.00	<=47	Pass
		Edge_1RB_Right	18.84	19.11	21.99	33.16	33.46	36.32	<=47	Pass
		Outer_Full	16.78	16.91	19.86	31.10	31.26	34.19	<=47	Pass
		Inner_Full	19.03	17.92	21.52	33.35	32.27	35.85	<=47	Pass
		Inner_1RB_Left	19.73	18.35	22.10	34.05	32.70	36.44	<=47	Pass
		Inner_1RB_Right	18.95	19.55	22.27	33.27	33.90	36.61	<=47	Pass
	3624.99	Edge_1RB_Left	17.37	19.10	21.33	31.69	33.45	35.67	<=47	Pass
		Edge_1RB_Right	18.23	19.05	21.67	32.55	33.40	36.01	<=47	Pass
		Outer_Full	15.69	16.04	18.88	30.01	30.39	33.21	<=47	Pass
		Inner_Full	18.38	17.31	20.89	32.70	31.66	35.22	<=47	Pass
		Inner_1RB_Left	18.38	17.84	21.13	32.70	32.19	35.46	<=47	Pass
		Inner_1RB_Right	17.75	17.10	20.45	32.07	31.45	34.78	<=47	Pass
	3690	Edge_1RB_Left	16.76	18.29	20.60	31.08	32.64	34.94	<=47	Pass



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CP-OFDM 16 QAM		Edge 1RB Right	18.49	16.96	20.80	32.81	31.31	35.13	<=47	Pass
		Outer Full	14.24	16.29	18.40	28.56	30.64	32.73	<=47	Pass
		Inner Full	17.48	18.01	20.76	31.80	32.36	35.10	<=47	Pass
		Inner 1RB Left	18.30	17.44	20.90	32.62	31.79	35.24	<=47	Pass
		Inner 1RB Right	17.81	18.96	21.43	32.13	33.31	35.77	<=47	Pass
	3560.01	Edge 1RB Left	18.56	18.05	21.32	32.88	32.40	35.66	<=47	Pass
		Edge 1RB Right	18.87	18.67	21.78	33.19	33.02	36.12	<=47	Pass
		Outer Full	16.24	16.07	19.17	30.56	30.42	33.50	<=47	Pass
		Inner Full	18.55	19.36	21.98	32.87	33.71	36.32	<=47	Pass
		Inner 1RB Left	18.83	19.29	22.08	33.15	33.64	36.41	<=47	Pass
		Inner 1RB Right	18.11	19.05	21.62	32.43	33.40	35.95	<=47	Pass
	3624.99	Edge 1RB Left	17.94	18.44	21.21	32.26	32.79	35.54	<=47	Pass
		Edge 1RB Right	18.34	18.82	21.60	32.66	33.17	35.93	<=47	Pass
		Outer Full	15.46	15.08	18.28	29.78	29.43	32.62	<=47	Pass
		Inner Full	18.52	18.74	21.64	32.84	33.09	35.98	<=47	Pass
		Inner 1RB Left	18.19	19.33	21.81	32.51	33.68	36.14	<=47	Pass
		Inner 1RB Right	18.06	16.89	20.52	32.38	31.24	34.86	<=47	Pass
	3690	Edge 1RB Left	17.59	18.13	20.88	31.91	32.48	35.21	<=47	Pass
		Edge 1RB Right	18.46	17.55	21.04	32.78	31.90	35.37	<=47	Pass
		Outer Full	15.45	15.51	18.49	29.77	29.86	32.83	<=47	Pass
		Inner Full	17.07	18.05	20.60	31.39	32.40	34.93	<=47	Pass
		Inner 1RB Left	18.03	16.32	20.27	32.35	30.67	34.60	<=47	Pass
		Inner 1RB Right	17.70	18.30	21.02	32.02	32.65	35.36	<=47	Pass
CP-OFDM 64 QAM	3560.01	Edge 1RB Left	18.40	18.52	21.47	32.72	32.87	35.81	<=47	Pass
		Edge 1RB Right	18.73	18.47	21.61	33.05	32.82	35.95	<=47	Pass
		Outer Full	16.30	16.08	19.20	30.62	30.43	33.54	<=47	Pass
		Inner Full	18.83	18.86	21.86	33.15	33.21	36.19	<=47	Pass
		Inner 1RB Left	18.98	18.76	21.88	33.30	33.11	36.22	<=47	Pass
		Inner 1RB Right	18.75	18.54	21.66	33.07	32.89	35.99	<=47	Pass
	3624.99	Edge 1RB Left	18.67	16.58	20.76	32.99	30.93	35.09	<=47	Pass
		Edge 1RB Right	17.67	18.69	21.22	31.99	33.04	35.56	<=47	Pass
		Outer Full	15.85	15.27	18.58	30.17	29.62	32.91	<=47	Pass
		Inner Full	18.73	18.37	21.56	33.05	32.72	35.90	<=47	Pass
		Inner 1RB Left	17.61	19.04	21.39	31.93	33.39	35.73	<=47	Pass
		Inner 1RB Right	17.93	17.35	20.66	32.25	31.70	34.99	<=47	Pass
	3690	Edge 1RB Left	18.01	16.60	20.37	32.33	30.95	34.70	<=47	Pass
		Edge 1RB Right	17.89	17.49	20.70	32.21	31.84	35.04	<=47	Pass
		Outer Full	14.70	14.93	17.83	29.02	29.28	32.16	<=47	Pass
		Inner Full	17.45	16.08	19.83	31.77	30.43	34.16	<=47	Pass
		Inner 1RB Left	18.03	18.03	21.04	32.35	32.38	35.38	<=47	Pass
		Inner 1RB Right	18.51	16.76	20.73	32.83	31.11	35.06	<=47	Pass
CP-OFDM 256 QAM	3560.01	Edge 1RB Left	19.08	18.50	21.81	33.40	32.85	36.14	<=47	Pass
		Edge 1RB Right	18.72	19.11	21.93	33.04	33.46	36.27	<=47	Pass
		Outer Full	16.66	16.46	19.57	30.98	30.81	33.91	<=47	Pass
		Inner Full	18.98	19.35	22.18	33.30	33.70	36.51	<=47	Pass
		Inner 1RB Left	18.88	17.74	21.36	33.20	32.09	35.69	<=47	Pass
		Inner 1RB Right	18.62	17.46	21.09	32.94	31.81	35.42	<=47	Pass
	3624.99	Edge 1RB Left	17.21	17.18	20.21	31.53	31.53	34.54	<=47	Pass
		Edge 1RB Right	19.41	19.51	22.47	33.73	33.86	36.81	<=47	Pass
		Outer Full	15.95	14.89	18.46	30.27	29.24	32.80	<=47	Pass
		Inner Full	18.41	17.86	21.15	32.73	32.21	35.49	<=47	Pass
		Inner 1RB Left	18.23	17.68	20.97	32.55	32.03	35.31	<=47	Pass
		Inner 1RB Right	17.65	17.21	20.45	31.97	31.56	34.78	<=47	Pass
	3690	Edge 1RB Left	17.14	18.30	20.77	31.46	32.65	35.11	<=47	Pass

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	Edge_1RB_Right	17.36	18.22	20.82	31.68	32.57	35.16	<=47	Pass
	Outer_Full	15.31	13.83	17.64	29.63	28.18	31.98	<=47	Pass
	Inner_Full	17.46	18.54	21.04	31.78	32.89	35.38	<=47	Pass
	Inner_1RB_Left	17.72	19.42	21.66	32.04	33.77	36.00	<=47	Pass
	Inner_1RB_Right	18.29	17.89	21.10	32.61	32.24	35.44	<=47	Pass

Note1: Antenna Gain: Ant1: 14.32dBi; Ant2: 14.35dBi;
Note2: EIRP Ant 1=Conducted Power 1+Ant Gain / EIRP Ant 2=Conducted Power 2+Ant Gain / Sum=EIRP Ant 1+EIRP Ant 2

2.9 30k_MIMO_20MHz_NTNV_PSD

2.9.1 Test Result

5G NR n78d SCS=30kHz MIMO 20MHz 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	3560.01	Edge_1RB_Left	19.08	19.48	22.29	33.40	33.83	36.63	<=37	Pass
		Edge_1RB_Right	18.48	19.20	21.87	32.80	33.55	36.20	<=37	Pass
		Outer_Full	7.53	7.14	10.35	21.85	21.49	24.68	<=37	Pass
		Inner_Full	10.39	11.31	13.88	24.71	25.66	28.22	<=37	Pass
		Inner_1RB_Left	19.44	19.24	22.35	33.76	33.59	36.69	<=37	Pass
		Inner_1RB_Right	19.81	18.06	22.03	34.13	32.41	36.36	<=37	Pass
	3624.99	Edge_1RB_Left	18.08	19.87	22.08	32.40	34.22	36.41	<=37	Pass
		Edge_1RB_Right	18.70	18.34	21.53	33.02	32.69	35.87	<=37	Pass
		Outer_Full	7.07	6.97	10.03	21.39	21.32	24.37	<=37	Pass
		Inner_Full	10.36	10.12	13.25	24.68	24.47	27.59	<=37	Pass
		Inner_1RB_Left	18.02	19.65	21.92	32.34	34.00	36.26	<=37	Pass
		Inner_1RB_Right	18.43	18.30	21.38	32.75	32.65	35.71	<=37	Pass
	3690	Edge_1RB_Left	17.95	19.05	21.55	32.27	33.40	35.88	<=37	Pass
		Edge_1RB_Right	18.32	19.04	21.71	32.64	33.39	36.04	<=37	Pass
		Outer_Full	6.46	7.23	9.87	20.78	21.58	24.21	<=37	Pass
		Inner_Full	9.63	9.99	12.82	23.95	24.34	27.16	<=37	Pass
		Inner_1RB_Left	17.96	18.29	21.14	32.28	32.64	35.47	<=37	Pass
		Inner_1RB_Right	17.03	18.86	21.05	31.35	33.21	35.39	<=37	Pass
CP-OFDM 16 QAM	3560.01	Edge_1RB_Left	19.16	19.16	22.17	33.48	33.51	36.51	<=37	Pass
		Edge_1RB_Right	19.22	18.63	21.95	33.54	32.98	36.28	<=37	Pass
		Outer_Full	7.90	8.42	11.18	22.22	22.77	25.51	<=37	Pass
		Inner_Full	10.90	11.65	14.30	25.22	26.00	28.64	<=37	Pass
		Inner_1RB_Left	19.41	18.56	22.02	33.73	32.91	36.35	<=37	Pass
		Inner_1RB_Right	19.27	18.52	21.92	33.59	32.87	36.26	<=37	Pass
	3624.99	Edge_1RB_Left	19.69	19.18	22.45	34.01	33.53	36.79	<=37	Pass
		Edge_1RB_Right	18.62	17.83	21.25	32.94	32.18	35.59	<=37	Pass
		Outer_Full	7.41	8.23	10.85	21.73	22.58	25.19	<=37	Pass
		Inner_Full	10.43	10.85	13.66	24.75	25.20	27.99	<=37	Pass
		Inner_1RB_Left	19.03	19.72	22.40	33.35	34.07	36.74	<=37	Pass
		Inner_1RB_Right	19.38	19.64	22.52	33.70	33.99	36.86	<=37	Pass
	3690	Edge_1RB_Left	18.50	17.50	21.04	32.82	31.85	35.37	<=37	Pass
		Edge_1RB_Right	18.97	18.46	21.73	33.29	32.81	36.07	<=37	Pass
		Outer_Full	6.75	8.34	10.63	21.07	22.69	24.97	<=37	Pass
		Inner_Full	8.91	9.41	12.18	23.23	23.76	26.51	<=37	Pass
		Inner_1RB_Left	17.89	18.22	21.07	32.21	32.57	35.40	<=37	Pass
		Inner_1RB_Right	18.39	20.28	22.45	32.71	34.63	36.79	<=37	Pass



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CP-OFDM 64 QAM	3560.01	Edge 1RB Left	18.58	18.18	21.39	32.90	32.53	35.73	<=37	Pass
		Edge 1RB Right	18.61	18.53	21.58	32.93	32.88	35.92	<=37	Pass
		Outer Full	7.67	8.50	11.12	21.99	22.85	25.45	<=37	Pass
		Inner Full	11.00	11.06	14.04	25.32	25.41	28.38	<=37	Pass
		Inner 1RB Left	18.30	18.69	21.51	32.62	33.04	35.85	<=37	Pass
		Inner 1RB Right	19.40	19.46	22.44	33.72	33.81	36.78	<=37	Pass
	3624.99	Edge 1RB Left	19.35	18.46	21.94	33.67	32.81	36.27	<=37	Pass
		Edge 1RB Right	19.00	19.76	22.41	33.32	34.11	36.74	<=37	Pass
		Outer Full	6.89	7.81	10.38	21.21	22.16	24.72	<=37	Pass
		Inner Full	10.04	10.87	13.49	24.36	25.22	27.82	<=37	Pass
		Inner 1RB Left	18.52	19.82	22.23	32.84	34.17	36.57	<=37	Pass
		Inner 1RB Right	19.48	18.39	21.98	33.80	32.74	36.31	<=37	Pass
	3690	Edge 1RB Left	17.53	18.78	21.21	31.85	33.13	35.55	<=37	Pass
		Edge 1RB Right	19.19	19.17	22.19	33.51	33.52	36.53	<=37	Pass
		Outer Full	6.57	7.82	10.25	20.89	22.17	24.59	<=37	Pass
		Inner Full	9.53	10.20	12.89	23.85	24.55	27.22	<=37	Pass
		Inner 1RB Left	17.72	17.36	20.55	32.04	31.71	34.89	<=37	Pass
		Inner 1RB Right	17.94	17.96	20.96	32.26	32.31	35.30	<=37	Pass
CP-OFDM 256 QAM	3560.01	Edge 1RB Left	18.97	18.62	21.81	33.29	32.97	36.14	<=37	Pass
		Edge 1RB Right	19.57	18.60	22.12	33.89	32.95	36.46	<=37	Pass
		Outer Full	7.68	8.69	11.22	22.00	23.04	25.56	<=37	Pass
		Inner Full	10.60	11.24	13.94	24.92	25.59	28.28	<=37	Pass
		Inner 1RB Left	18.20	18.64	21.44	32.52	32.99	35.77	<=37	Pass
		Inner 1RB Right	20.02	18.96	22.53	34.34	33.31	36.87	<=37	Pass
	3624.99	Edge 1RB Left	19.04	19.10	22.08	33.36	33.45	36.42	<=37	Pass
		Edge 1RB Right	19.50	19.20	22.36	33.82	33.55	36.70	<=37	Pass
		Outer Full	7.04	8.04	10.58	21.36	22.39	24.92	<=37	Pass
		Inner Full	10.09	10.96	13.56	24.41	25.31	27.89	<=37	Pass
		Inner 1RB Left	19.12	19.99	22.59	33.44	34.34	36.92	<=37	Pass
		Inner 1RB Right	18.69	18.54	21.63	33.01	32.89	35.96	<=37	Pass
	3690	Edge 1RB Left	17.24	18.43	20.89	31.56	32.78	35.22	<=37	Pass
		Edge 1RB Right	17.75	19.36	21.64	32.07	33.71	35.98	<=37	Pass
		Outer Full	6.78	8.49	10.73	21.10	22.84	25.07	<=37	Pass
		Inner Full	9.68	9.87	12.79	24.00	24.22	27.12	<=37	Pass
		Inner 1RB Left	17.83	17.08	20.48	32.15	31.43	34.82	<=37	Pass
		Inner 1RB Right	17.89	19.28	21.65	32.21	33.63	35.99	<=37	Pass

Note1: Antenna Gain: Ant1: 14.32dBi; Ant2: 14.35dBi;

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



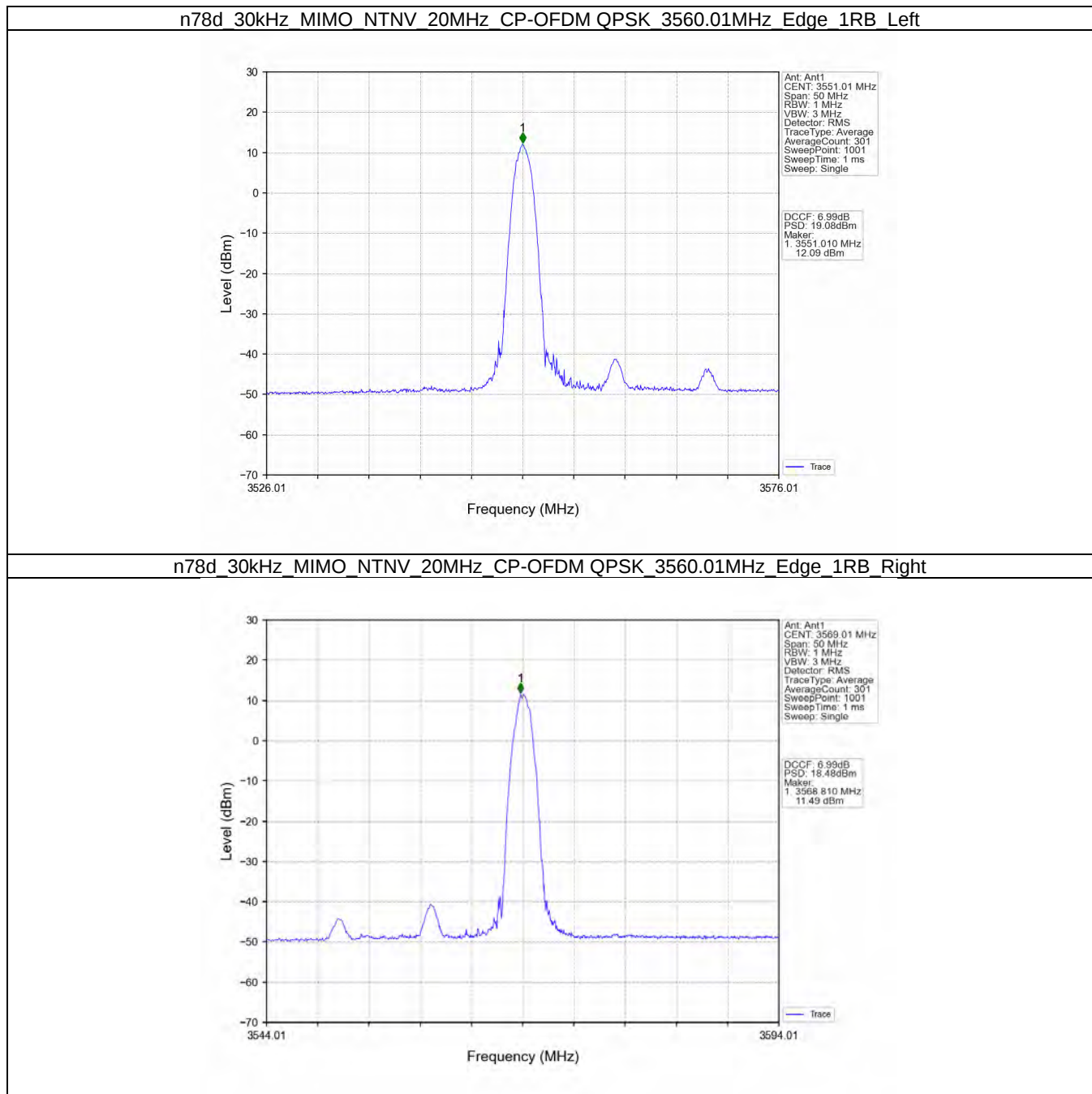
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2.9.2 Test Graph for ANT1



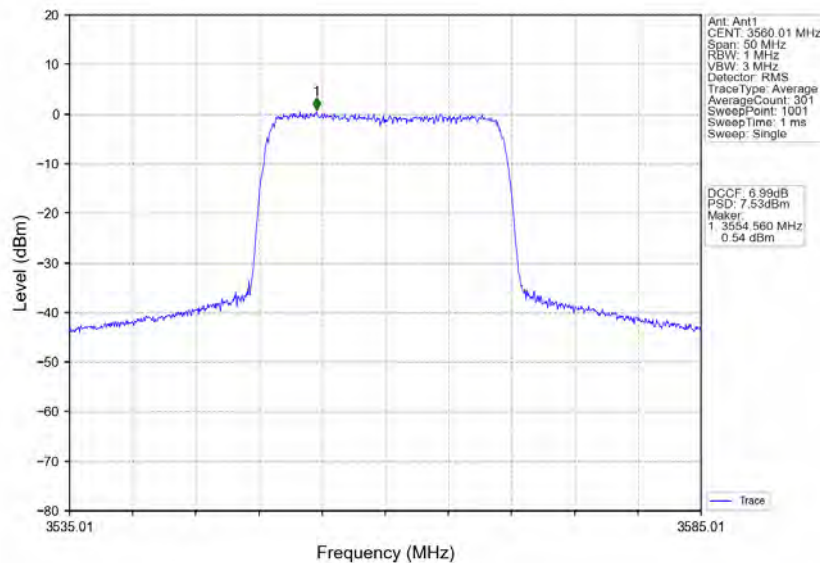
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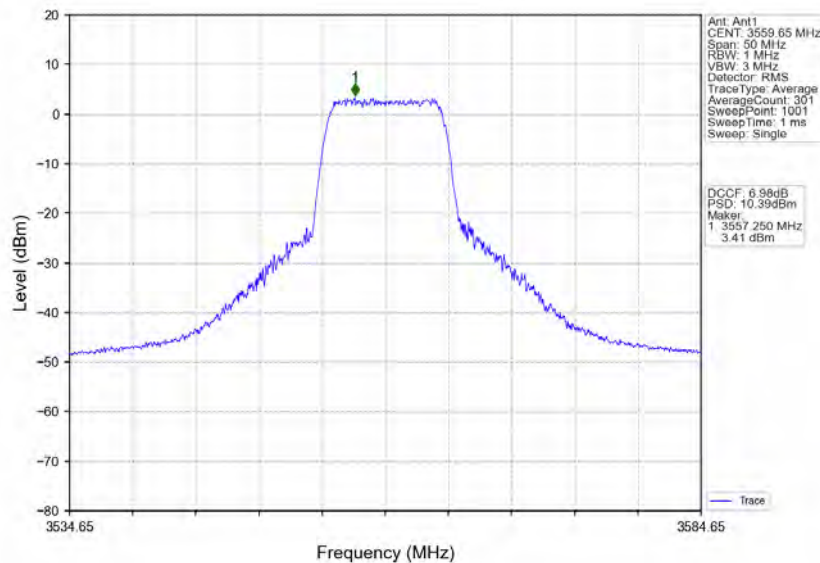
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n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3560.01MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3560.01MHz_Inner_Full



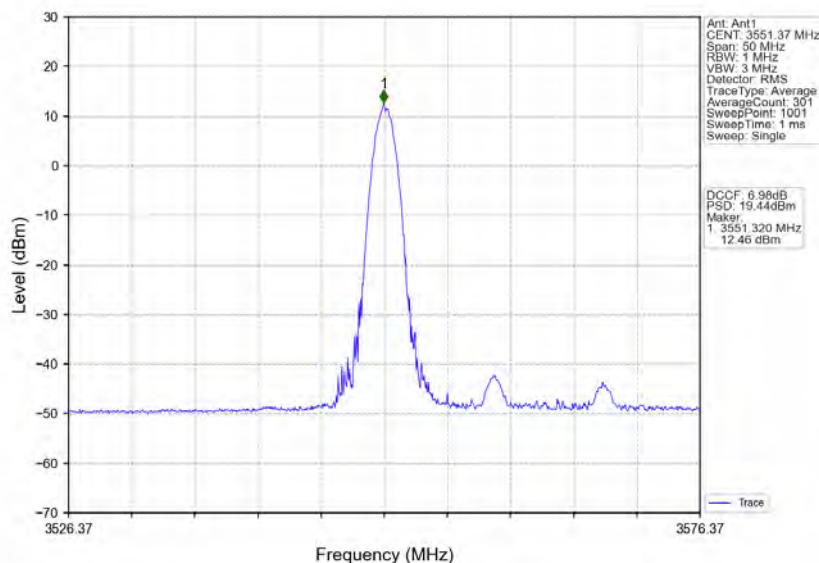
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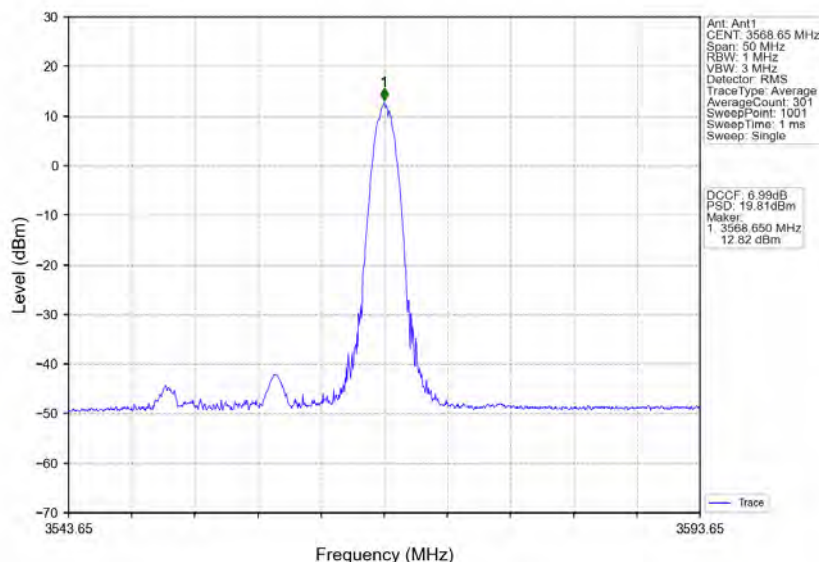
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n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3560.01MHz_Inner_1RB_Left



n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3560.01MHz_Inner_1RB_Right



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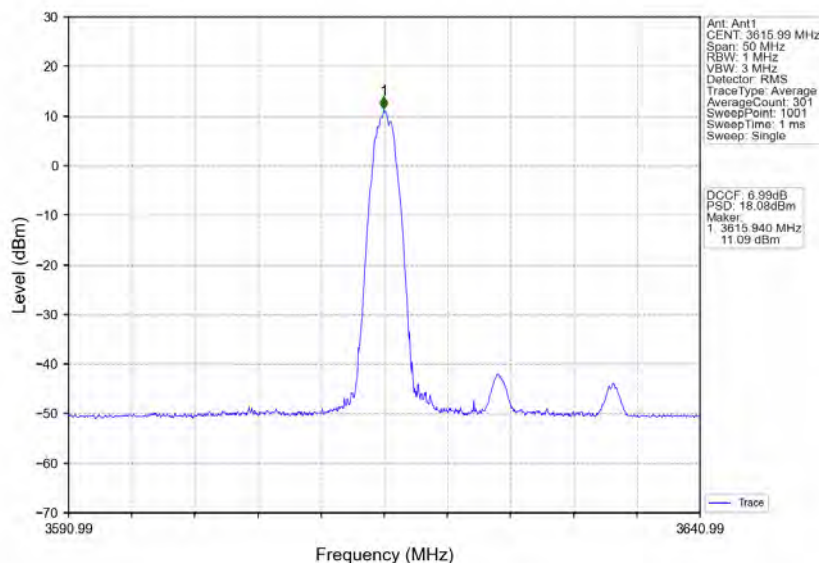
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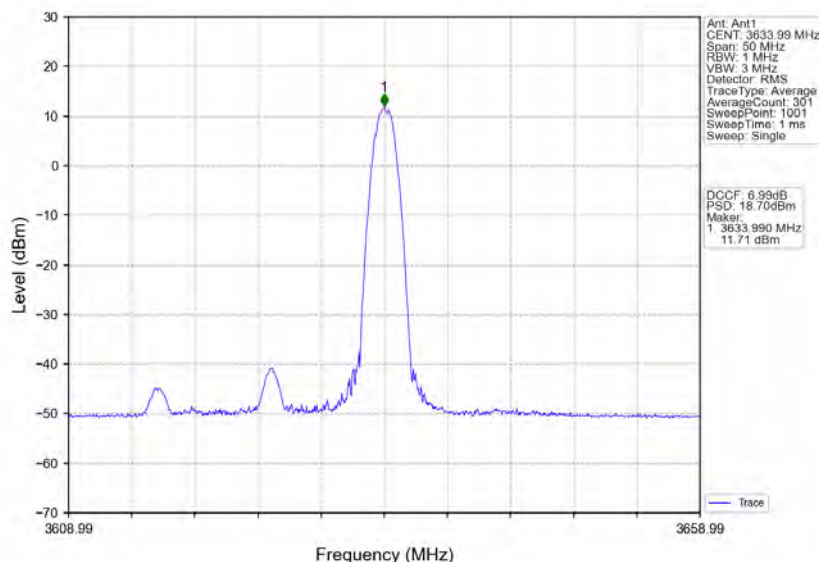
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n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_QPSK_3624.99MHz_Edge_1RB_Left



n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_QPSK_3624.99MHz_Edge_1RB_Right



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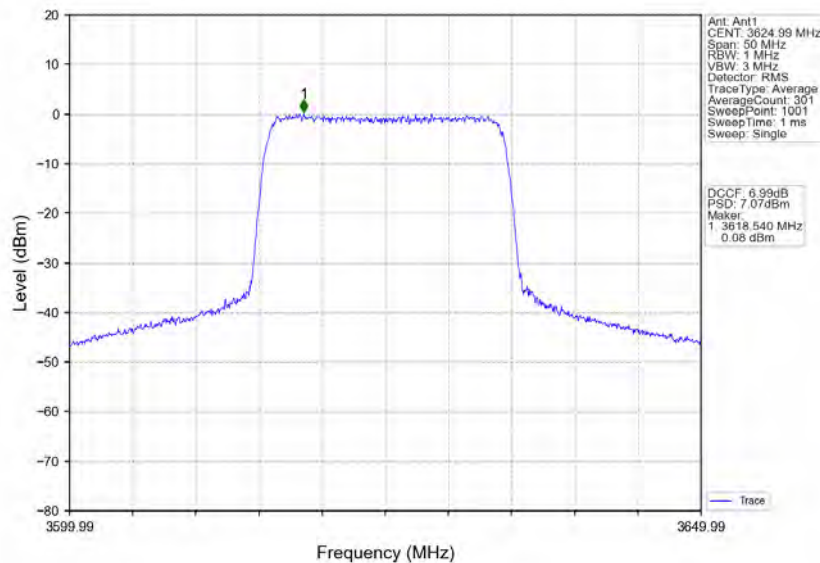
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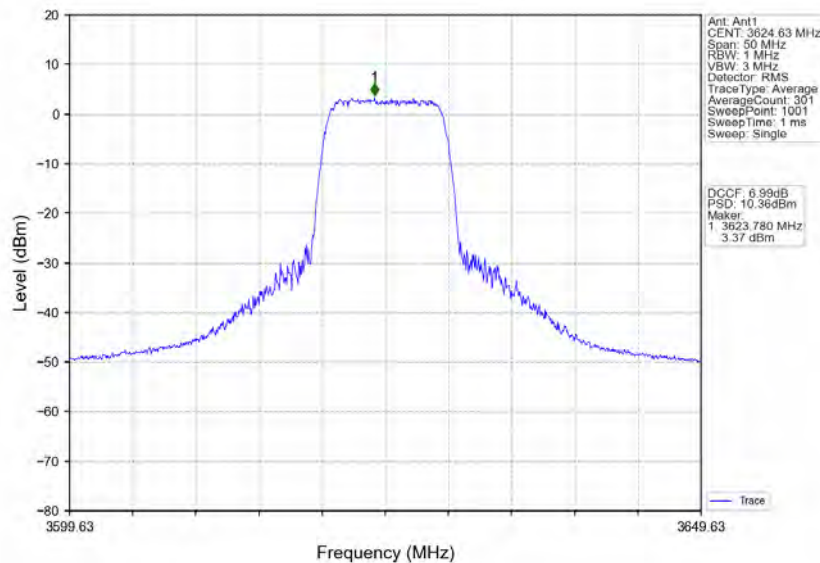
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n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_QPSK_3624.99MHz_Outer_Full



n78d_30kHz_MIMO_NTNV_20MHz_CP-OFDM_QPSK_3624.99MHz_Inner_Full



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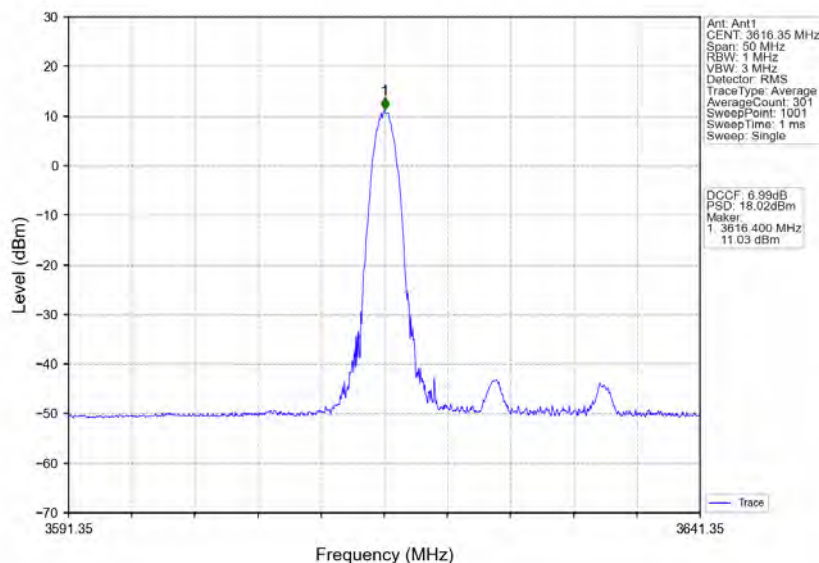
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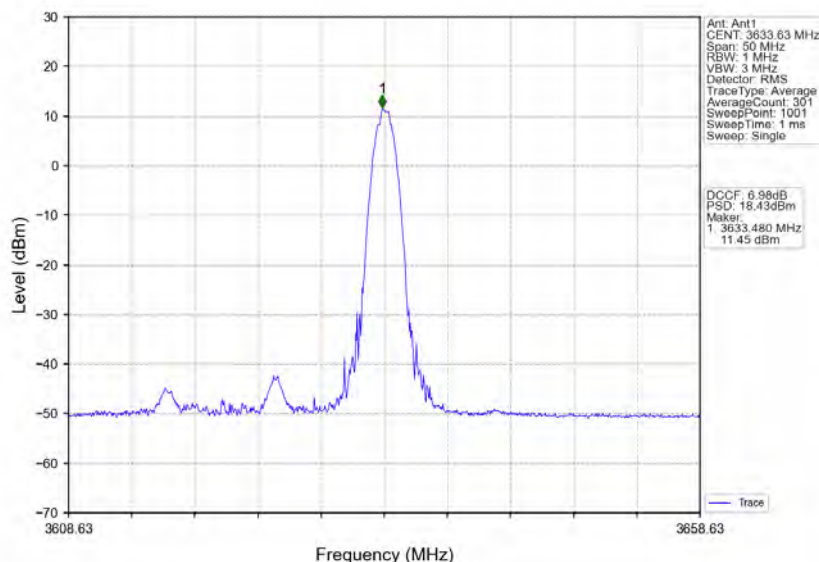
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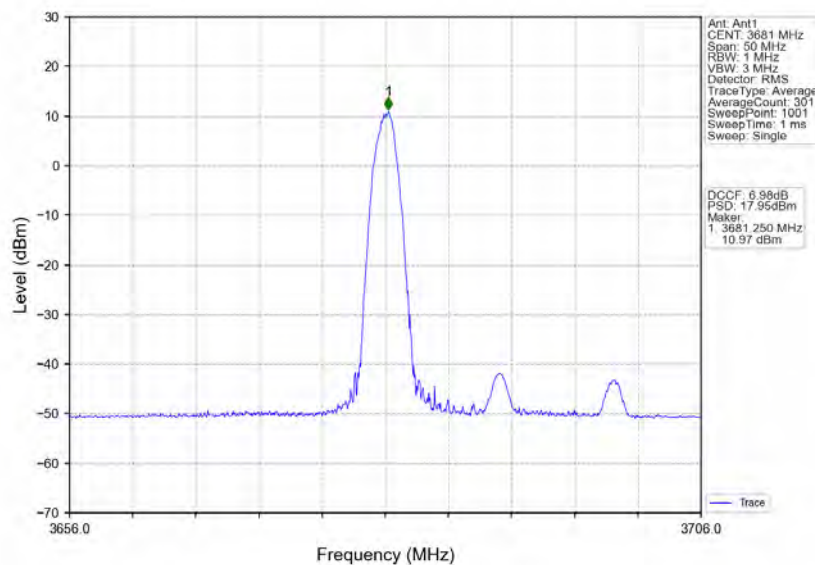
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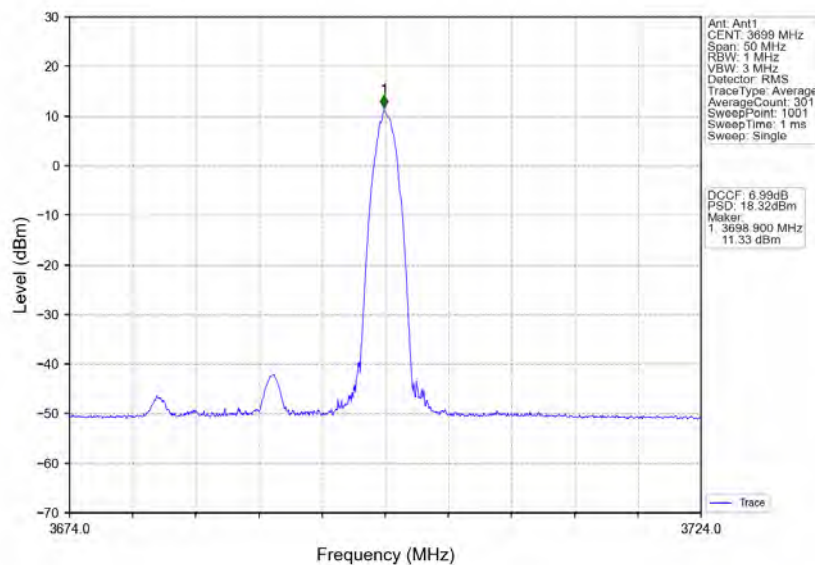
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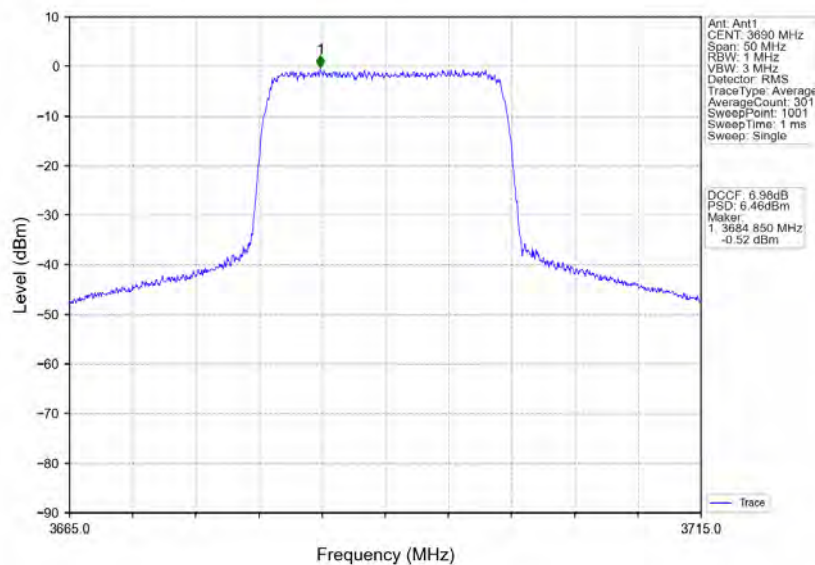
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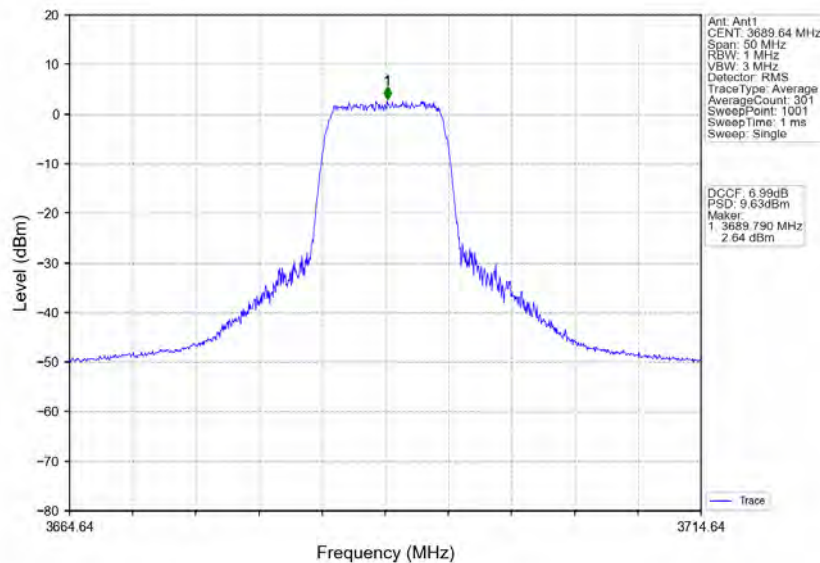
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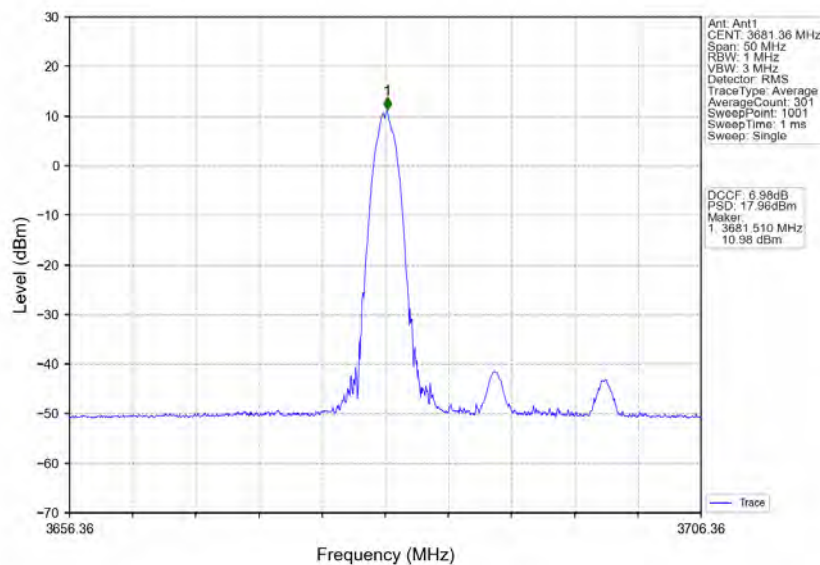
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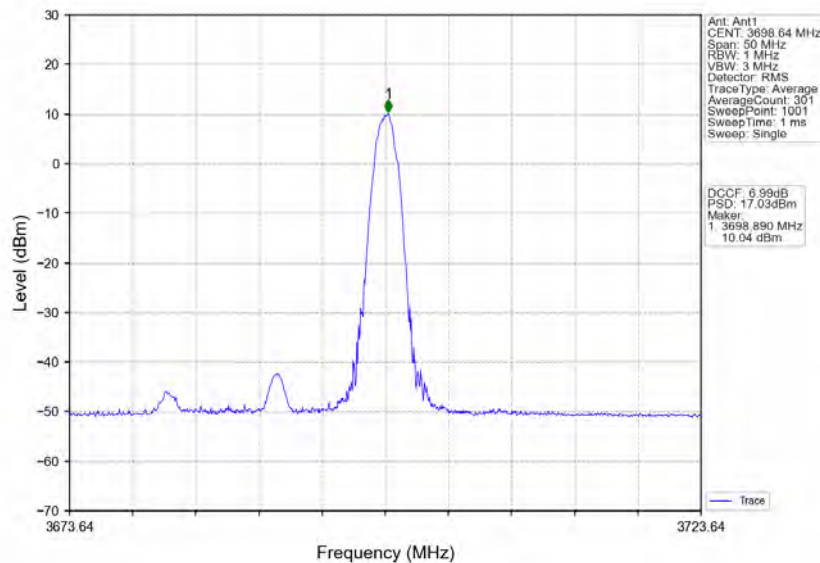
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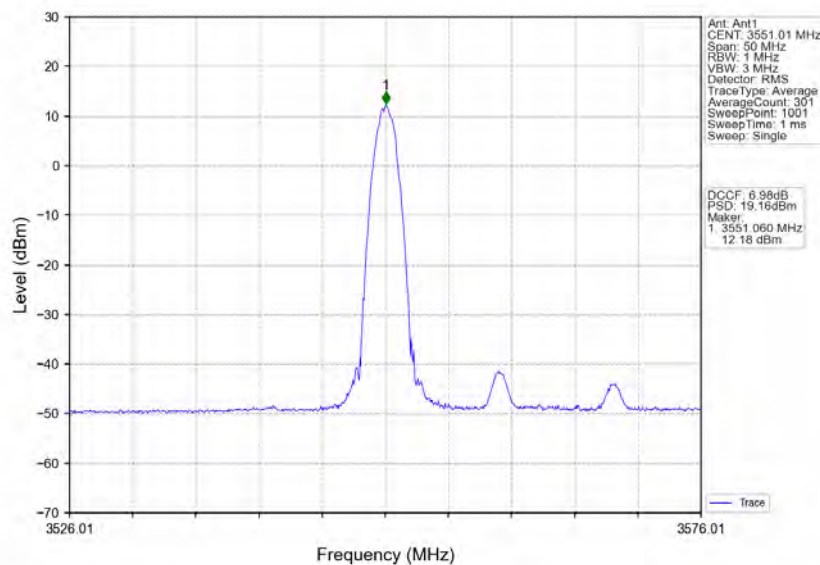
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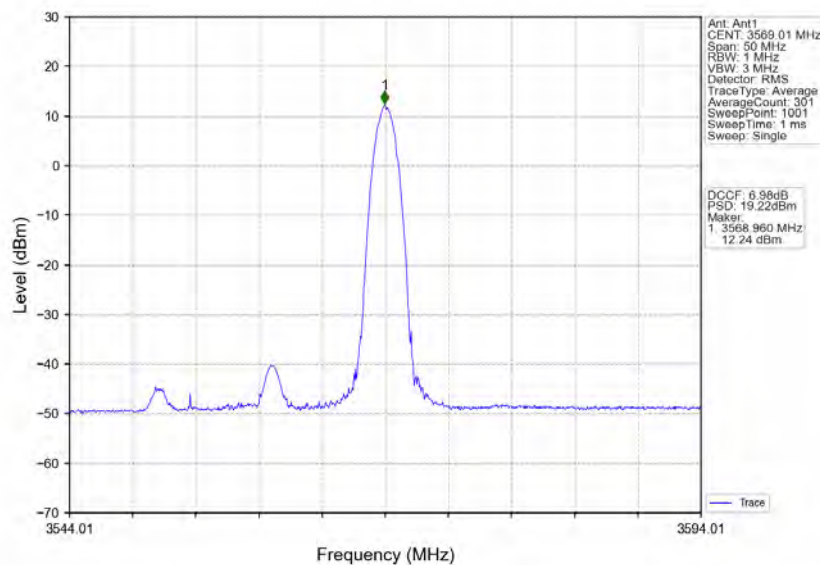
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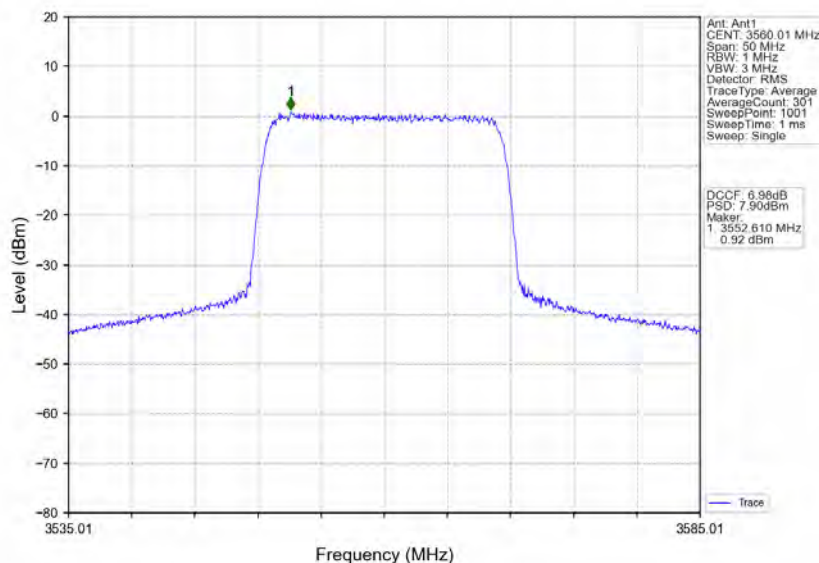
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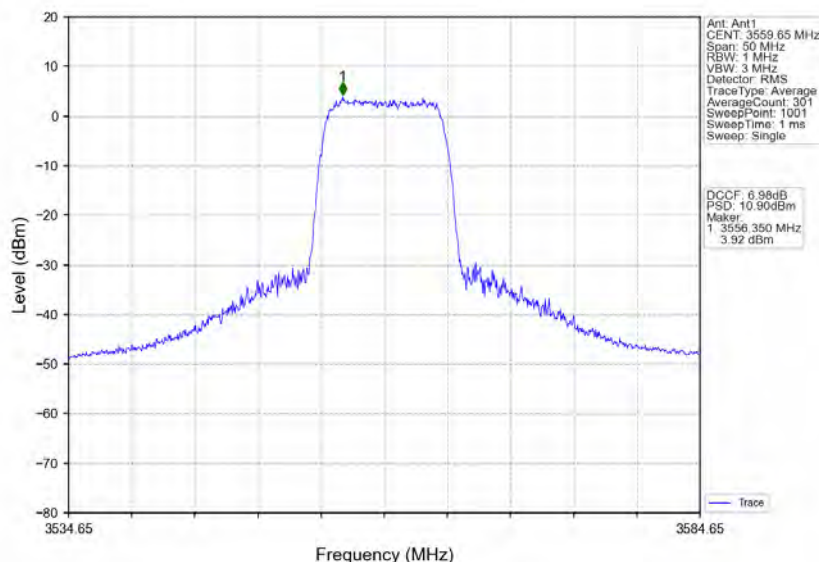
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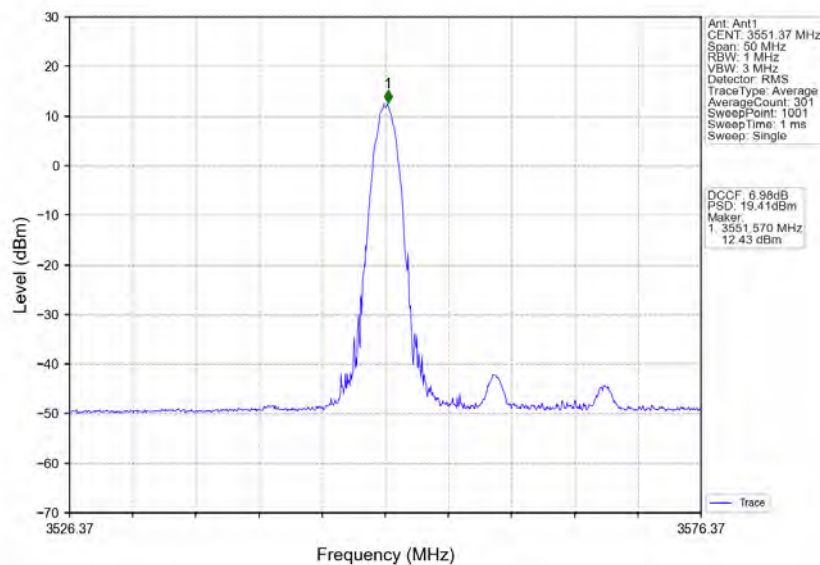
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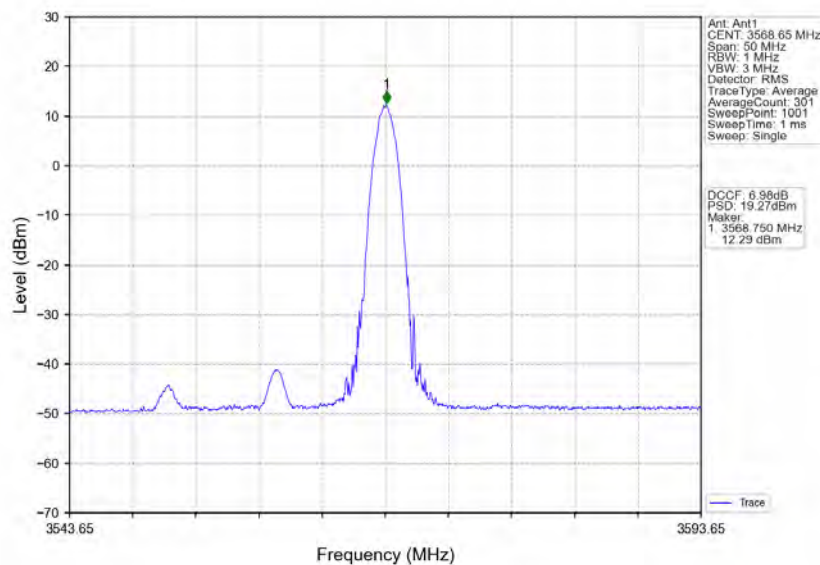
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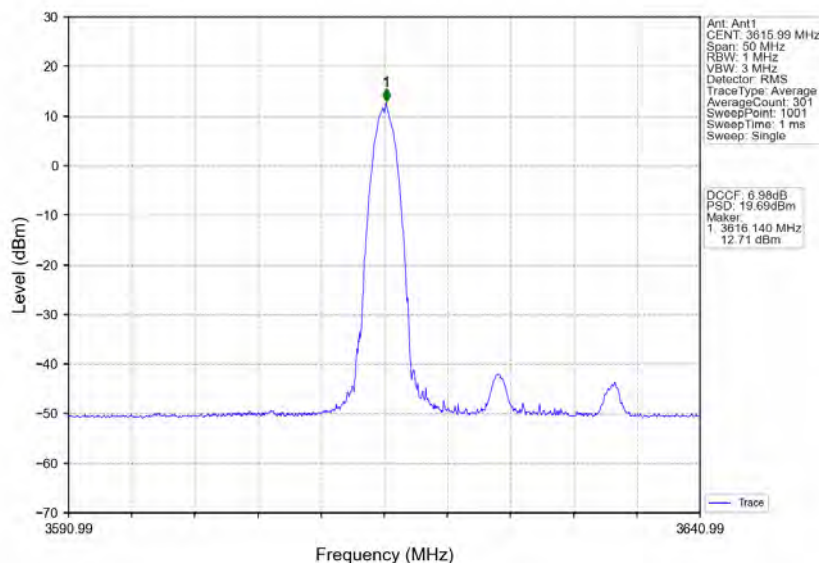
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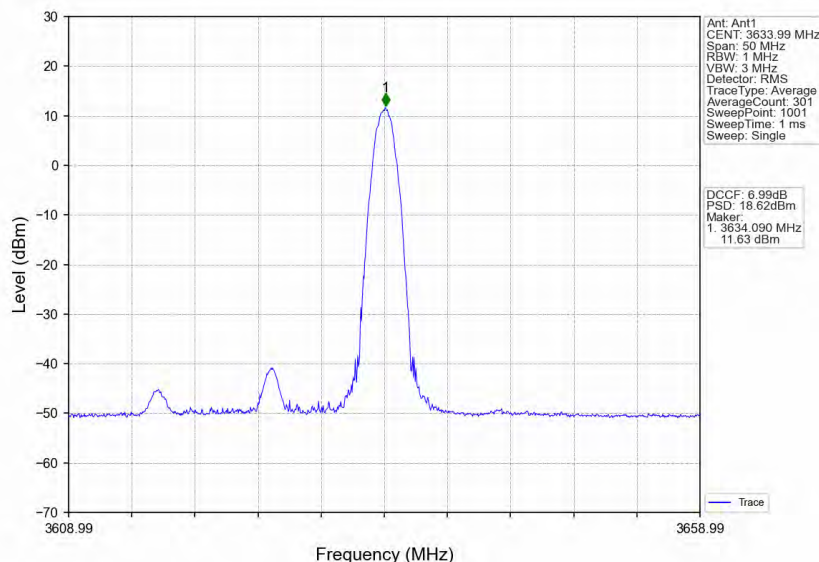
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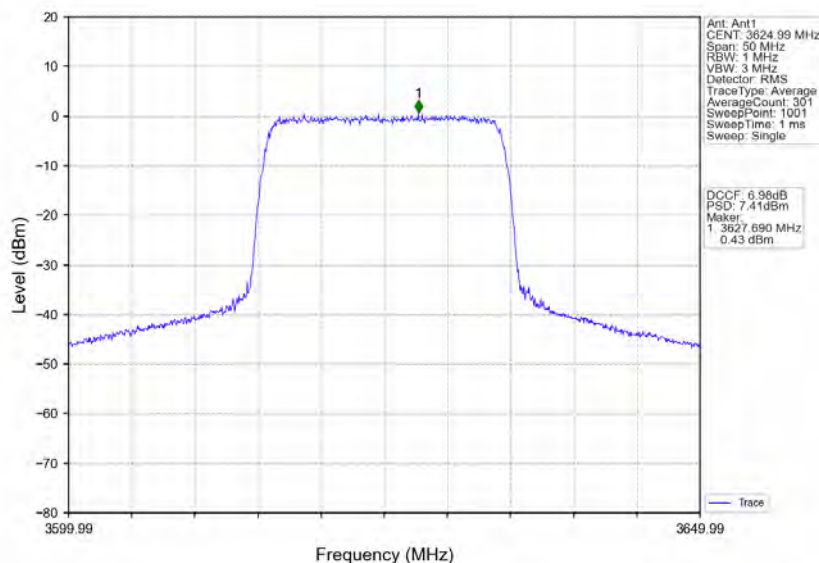
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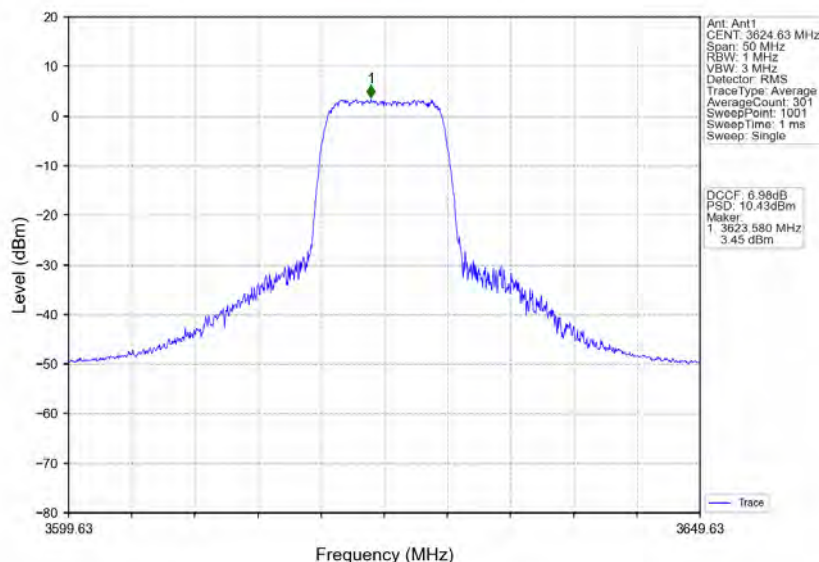
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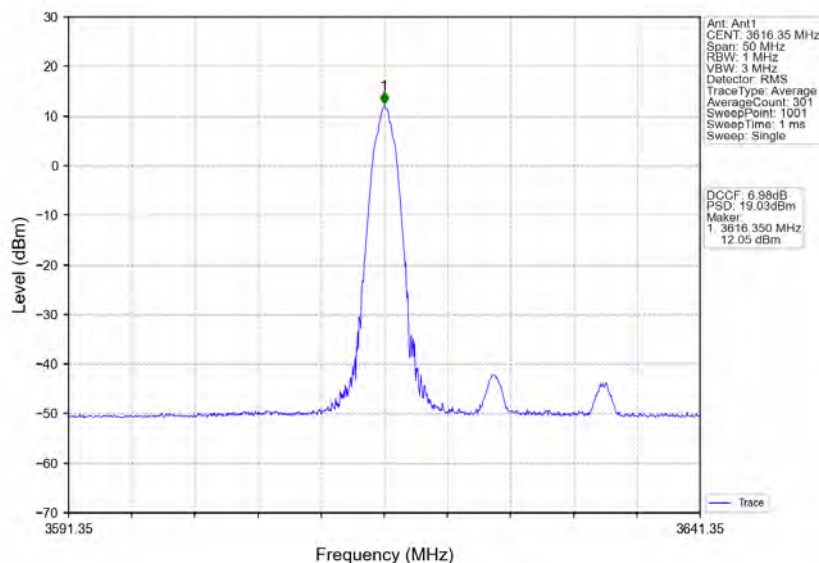
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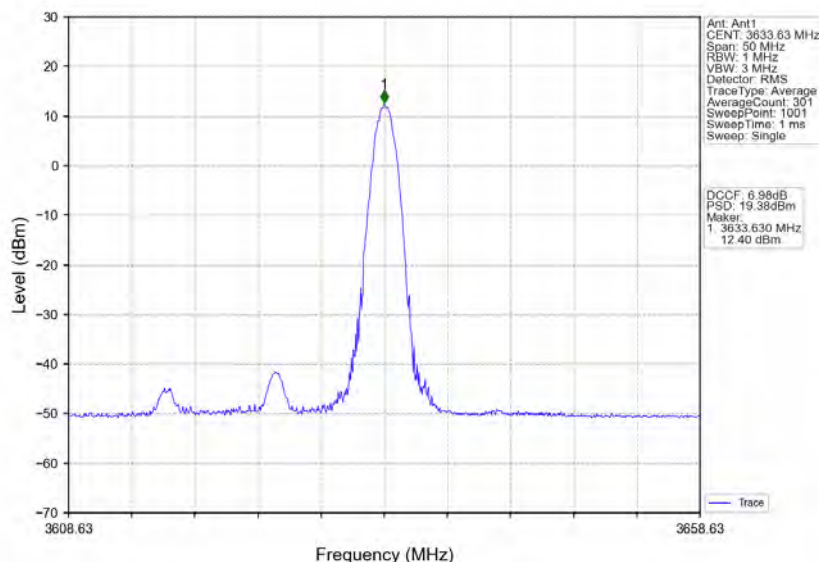
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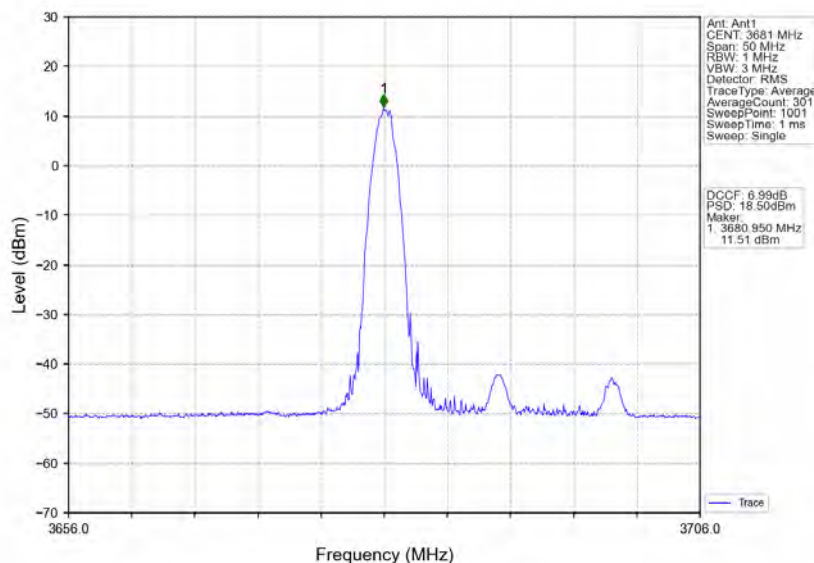
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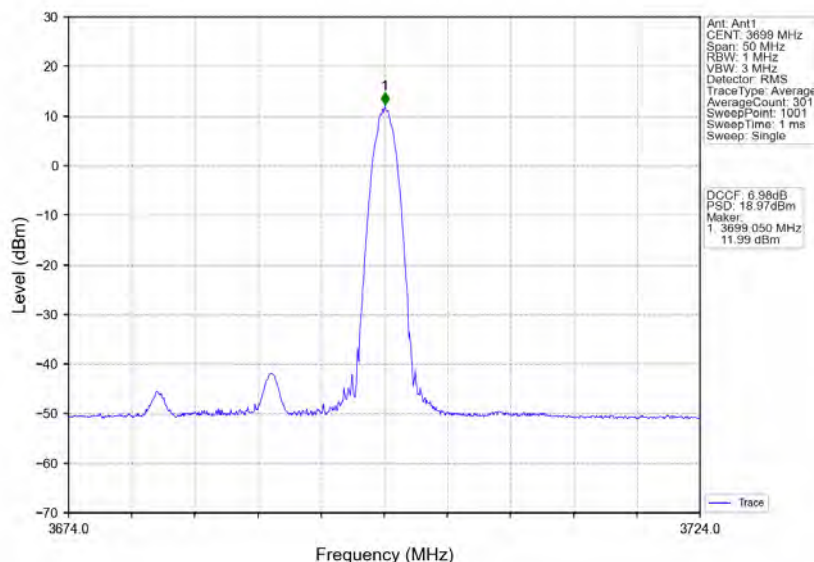
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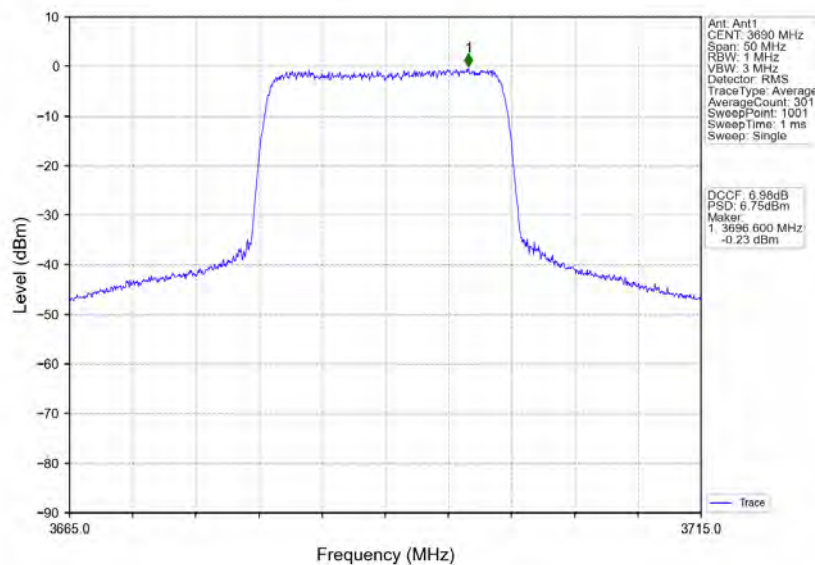
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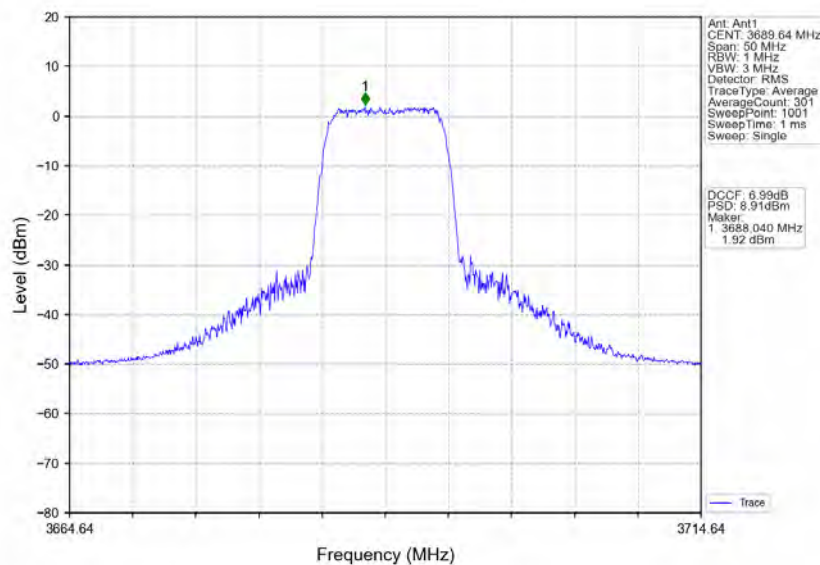
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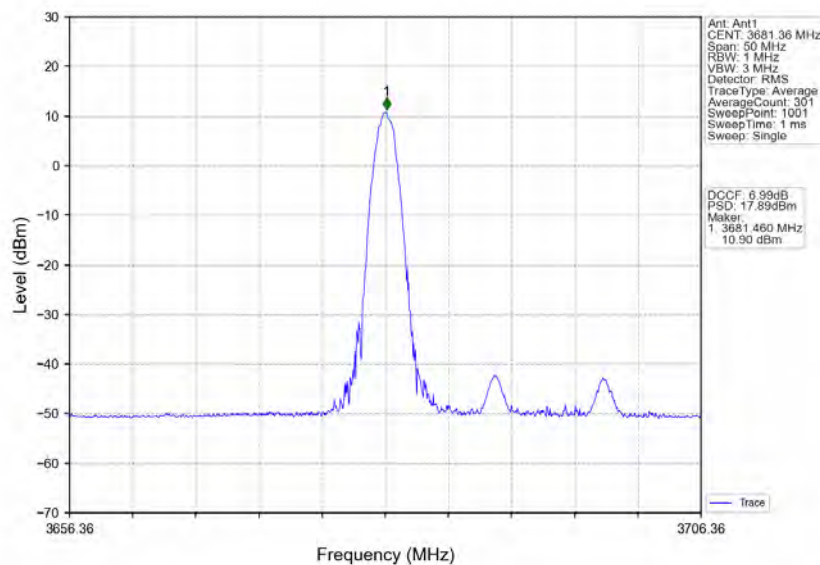
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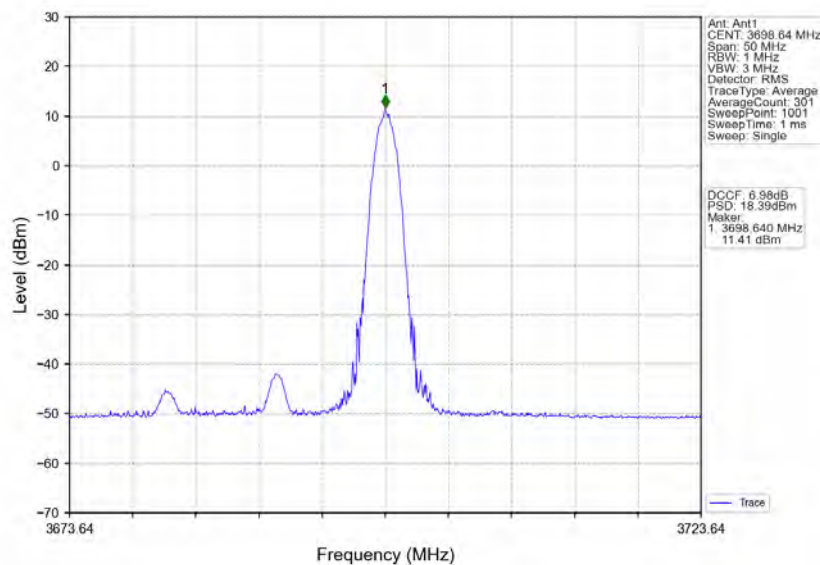
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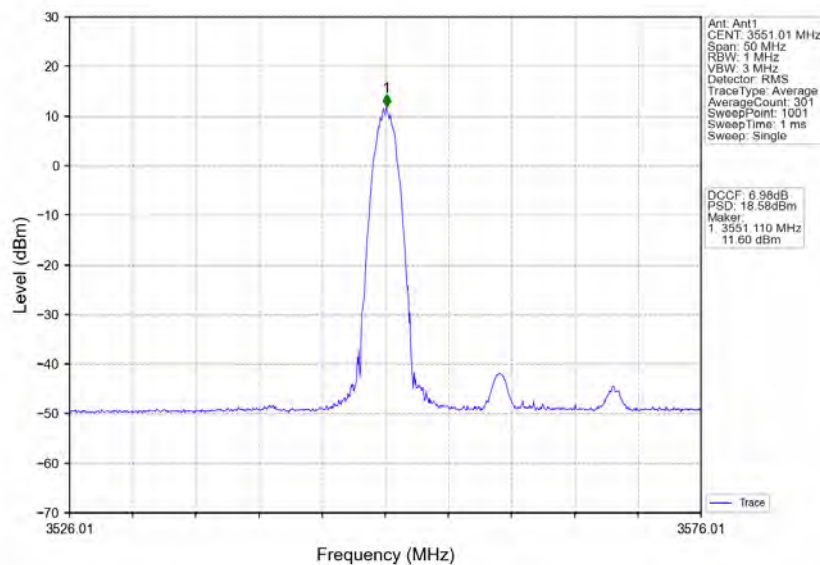
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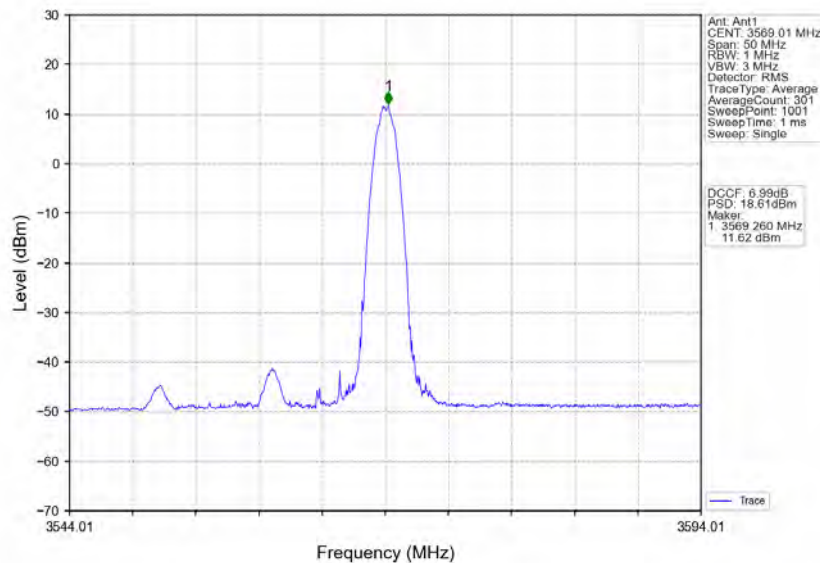
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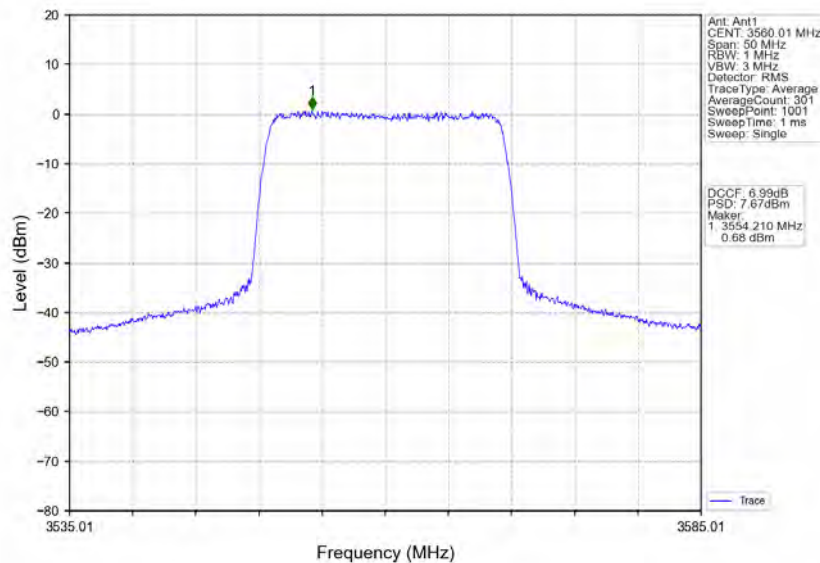
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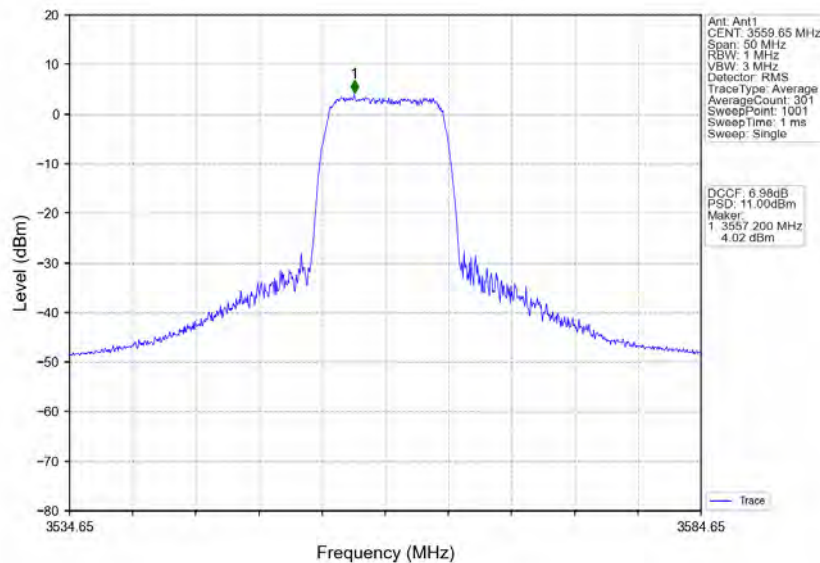
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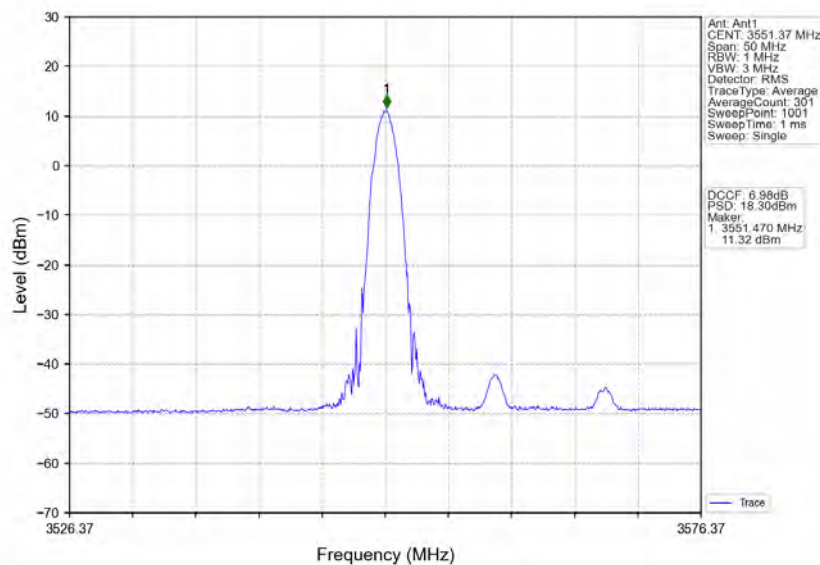
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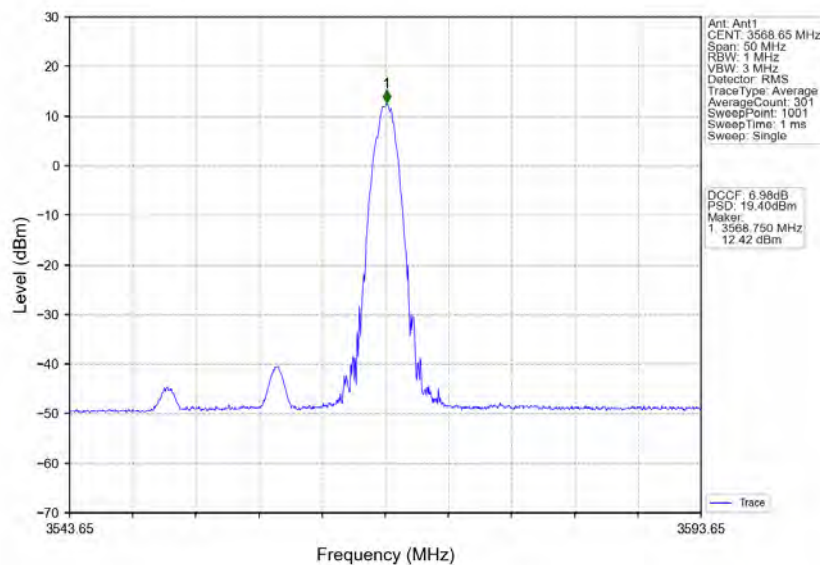
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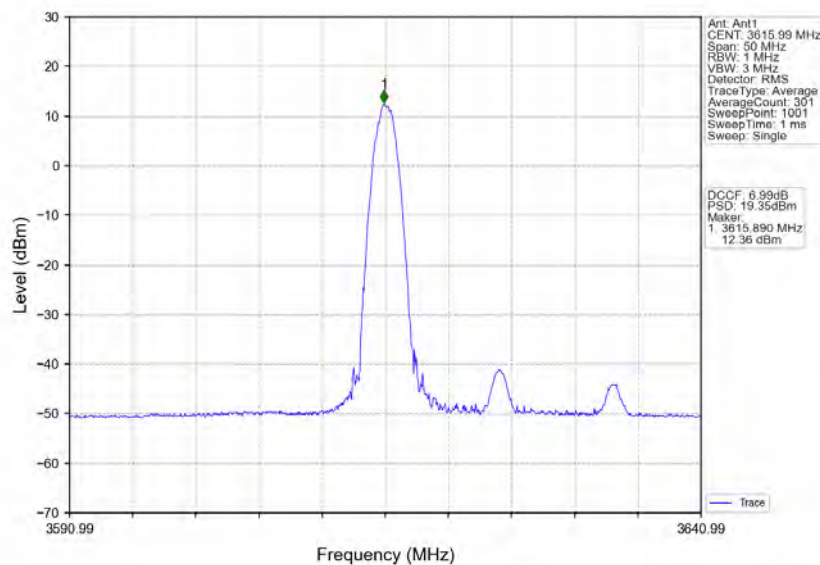
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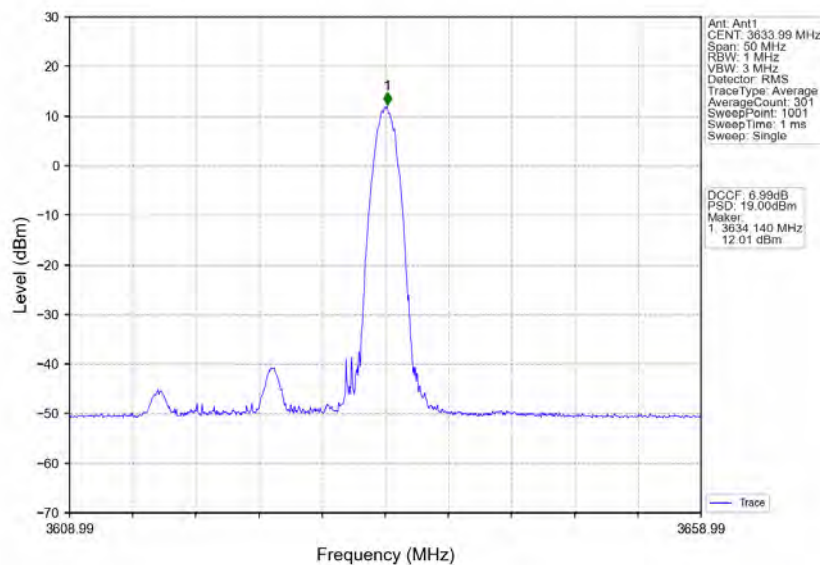
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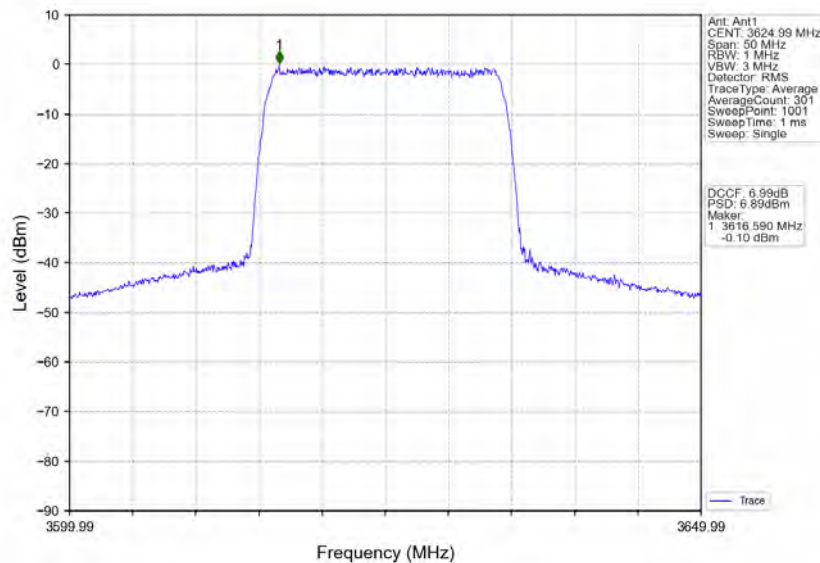
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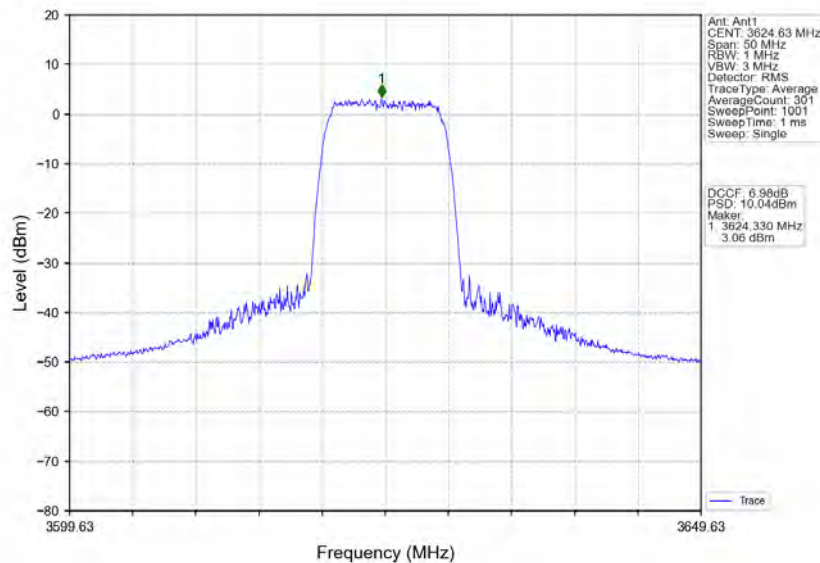
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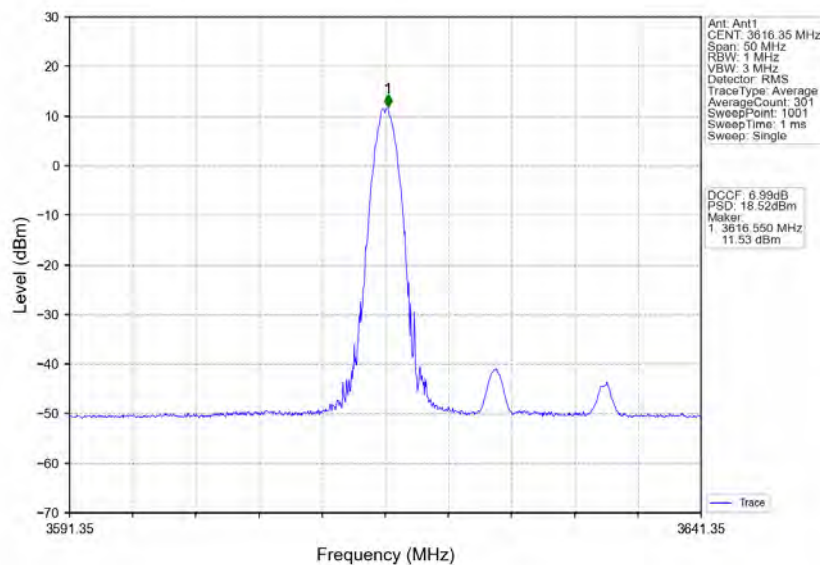
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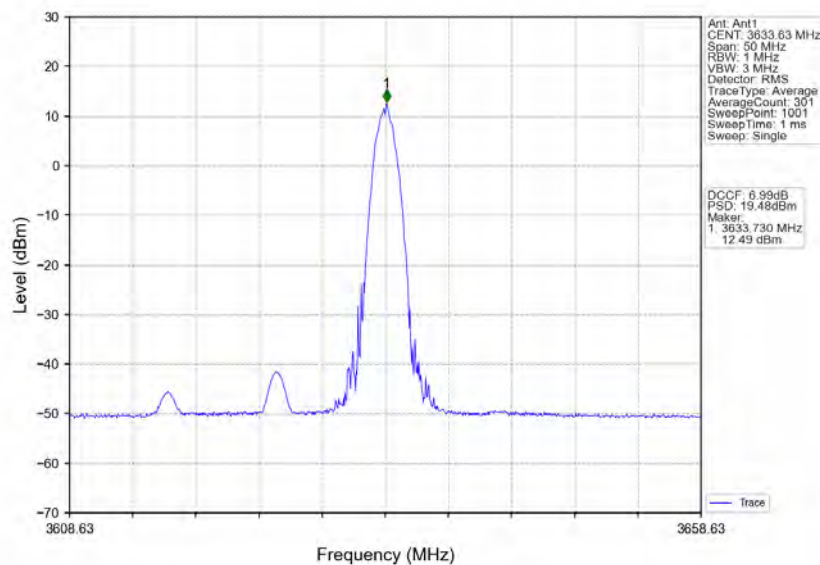
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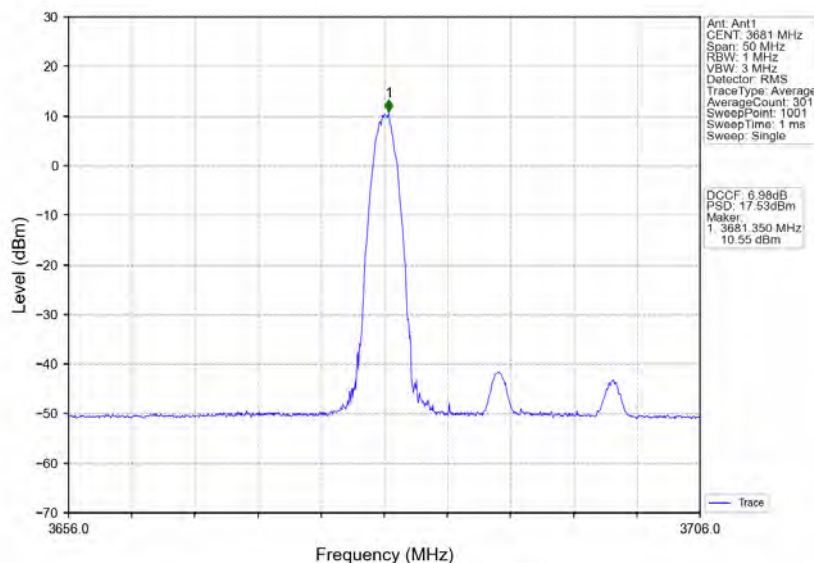
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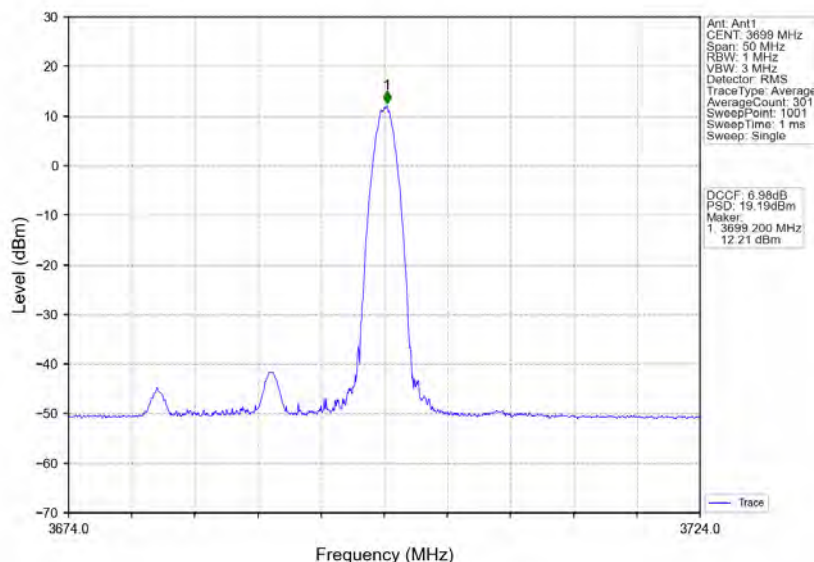
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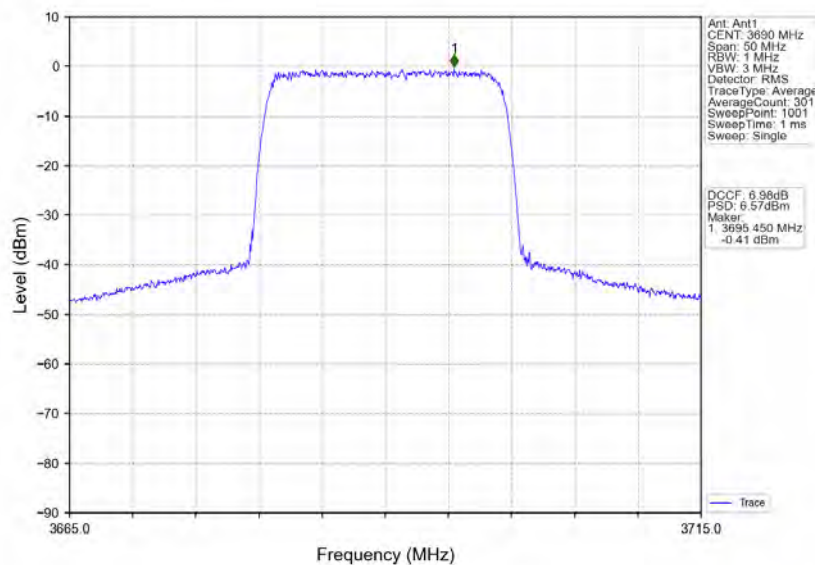
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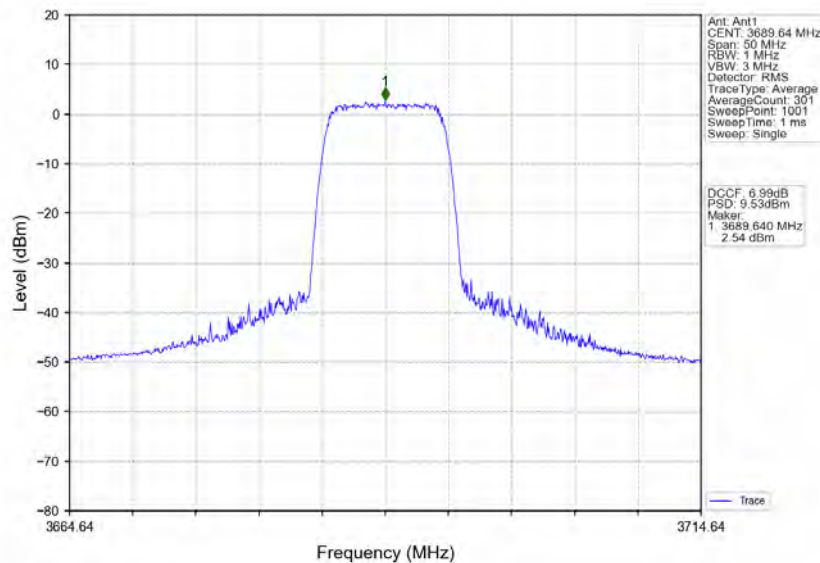
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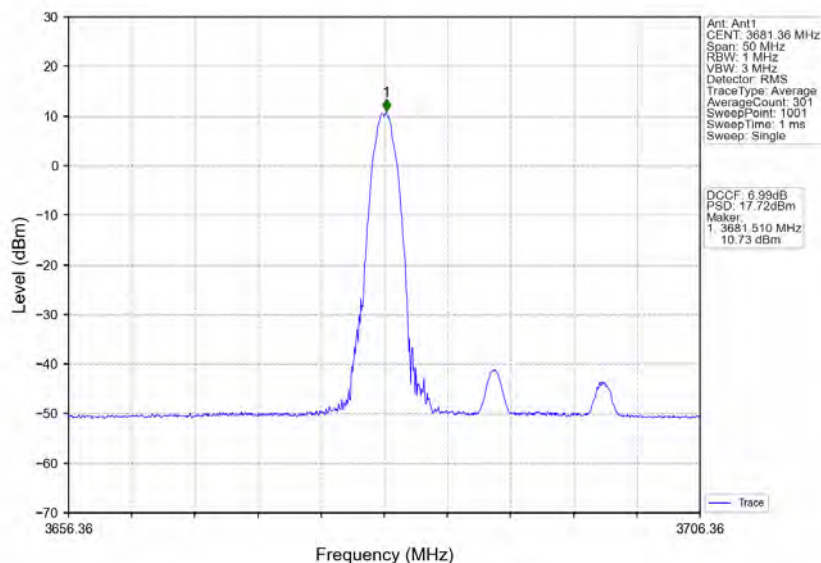
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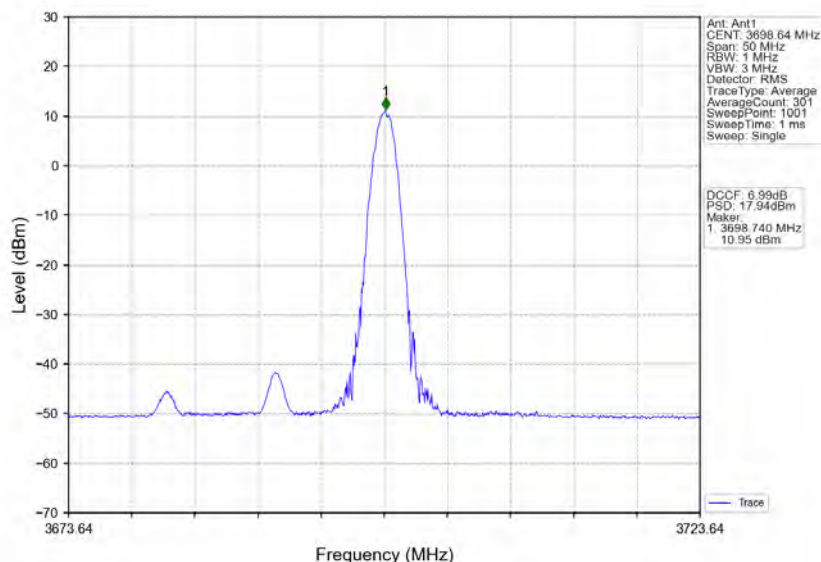
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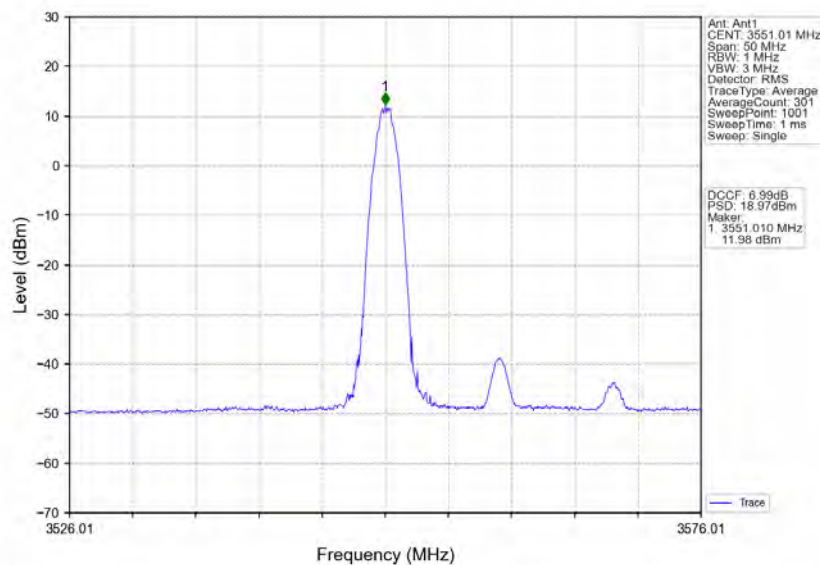
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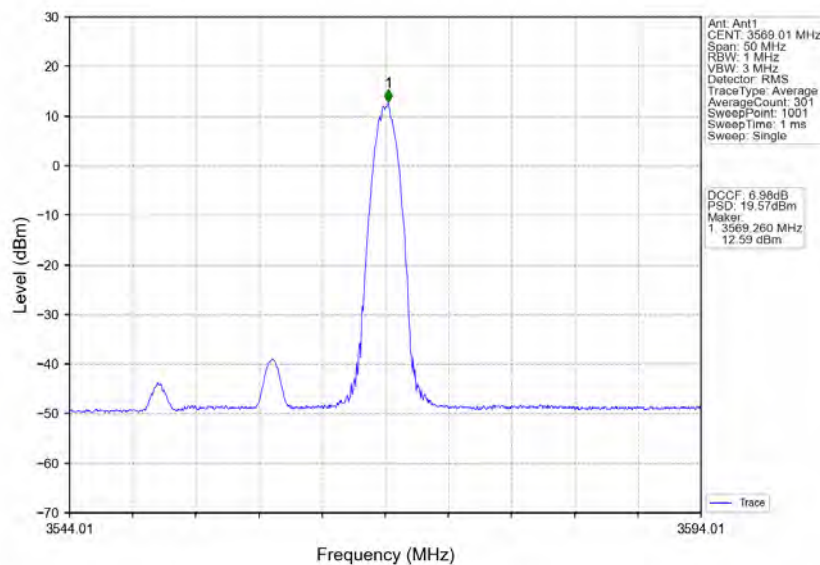
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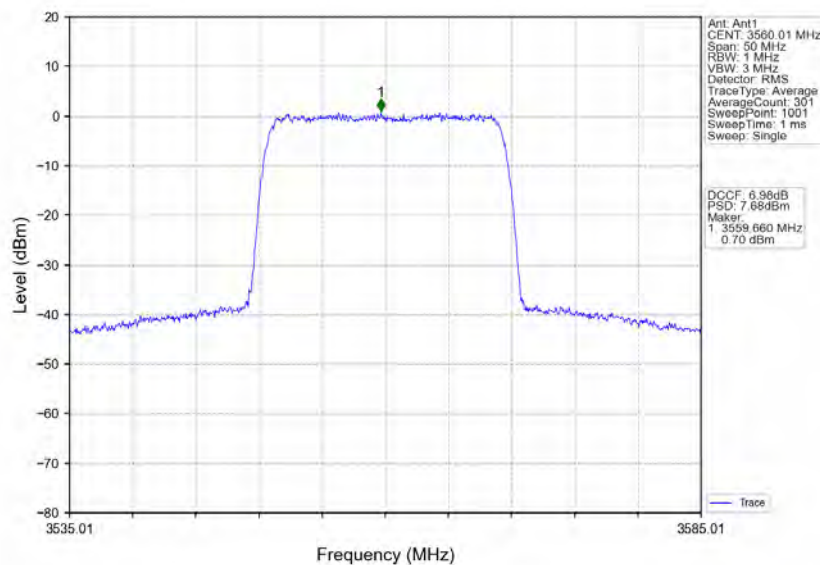
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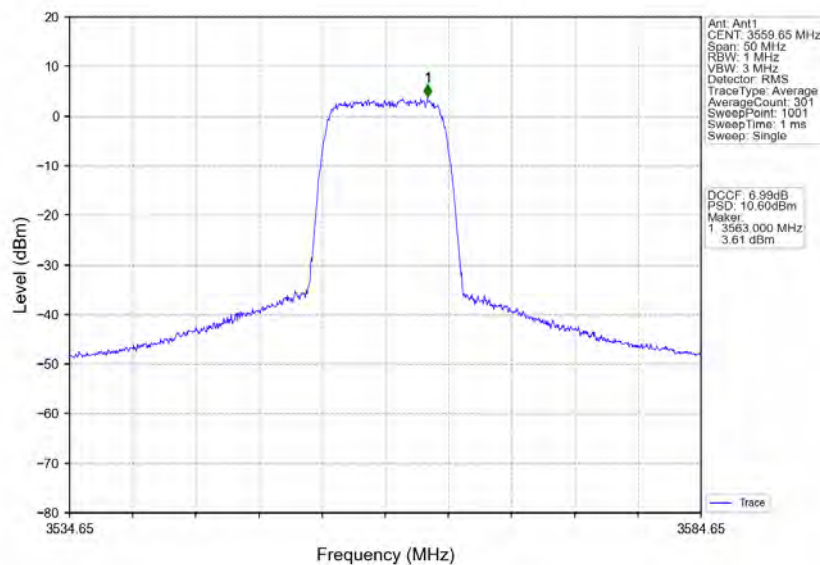
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