

Trading Plan: *Daily Breakout from 5 Days of Consolidation*

Strategy Theory

Assume when new information becomes known in the market those who know will indicate the information to the market. Since traders tend to behave the same throughout time, provided the information is correct, the move has a high probability of being repeatable.

Feelings → Thoughts → Actions → Results

Strategy Goal

This strategy is looking for reasonable reward to risk entries in stocks. This strategy identifies potential trades by focusing on stocks which are breaking out of a five-day consolidation and close at a 10 day high on good volume. To win, I must do certain things in a certain way. To win, I will use this plan to interact with the market. Using this plan is the way I gain control over the market. It is one way out of thousands of ways I could have chosen, *i.e.*, there is nothing special about this plan. This plan only identifies the basic setup and most of these setups will not lead to trades. It is how I manage the best trade setups and which money management rules I use that will determine the profit I make from each trade.

Stocks Screened Using StockCharts

The StockCharts code for filtering stocks is found on page 2.

Set Up

Look for stocks showing strength, coming out of a clear consolidation pattern and where the risk is clearly defined. Identify the best trades based on the daily charts. A five-year average suggests that only 1 in every ten signals is worth trading and the signals could occur bunched together or spread out. While the original code uses a minimum price of 10 cents, 50 cents works better. I use 10 cents as every once in a while, a great set occurs between 10 and 20 cents.

Evaluation

1. Ensure that the daily chart is not filled with gaps
2. Check for news and what the company does, biotech and drug companies are riskier
3. Best trades are in stocks having a story or are in groups which are moving
4. Preference is given to trades having a clear exit point and breaking from a tight consolidation.

Bid

Buy at market unless the stock has moved too much in which case, place a limit buy in the market.

Profit and Exit Rules

Initial exit point is placed 1 cent below the consolidation, bottom Bollinger Band(C, 15, 0.5) or low on the signal bar. Exit the trade as follows: For profit, do not sell on the buy day. Sell 40% of the shares at $1.8 \times \text{ATR}(14) + \text{close of the signal bar}$, approximately 54% of the stocks will hit this price. Sell the next 30% of the shares at $2.8 \times \text{ATR}(14) + \text{close of the signal bar}$ as about 44% of the stocks will hit this. Set a stop 1 cent below the low on any bar that closes below the MA(C,15). Move the stop up to below support, below trendlines or gaps as the price rises. Move stop up to the entry price after first sell. Above percentages can be adjusted depending on you or market conditions. The entry price is mostly fixed, the exits depend on the market.

Risk/Money Management

1. Risk no more than 0.5% of my account in any one trade and trade a maximum of 5% of the daily volume
2. When the market is very bullish and a "perfect" set up occurs consider risking 1 % of my account

Trade Closure and Documentation

1. What could I do better next time and how did I manage the trade?
2. Journal the entry and include emotions and what I was thinking at the time
3. Document information on the chart such as when new information come into the market
4. Identify when and where I made a trading mistake

Filter

The code below is mainly the StockCharts code found on page 23 of *Dating the Stock Market*. The lowest close in this code is 0.10. Better results (see optimization results) can be obtained by increasing this value to 0.50 although you may then miss out on a few good gains (see HIVE.V on page 5 below) and AGRA.CA on page 24 in the book. May want to consider keeping the close at 0.10 and only taking the very best trades between 0.10 and 0.51. As an added bonus, I have added the code and [SMA(45,Close) > 1 day ago SMA(45,Close)]. This code ensures that the slope of the 45 day simple moving average of the close is rising. Viewed another way it is a surrogate code to only trade stocks in which the 9 week moving average of the close is rising.

```
[type = stock] and [SMA(20, volume) > 200000] and
[[[close > 0.10] and [close < 5.01] and [1 day ago max(5, high) / 1 day ago min(5,
low)<1.12]] or
[[close > 5] and [1 day ago max(5, high) / 1 day ago min(5, low)<1.07] and [close <
10.01]]]
and [close > SMA(15, close)]
and [close > SMA(45, close)]
and [volume > 1.5*SMA(20, volume)]
and [close > open]
and [[close - low] / [high - low] > 0.5]
and [close > 1 day ago close]
and [close > 1 day ago max(10, high)]
and [1 day ago close < 2 day ago max(9, high)]
and [SMA(15,close) > 1 day ago SMA(15,close)]
and [SMA(45,close) > 1 day ago SMA(45,close)]
and [close / SMA(15,close) < 1.25]
and [exchange is not PINK] and [exchange is not OTCMKT] and [exchange is not
OTCBB] and [[country is Canada] or [country is US]]
```

The Amibroker backtest results obtained with this code suggests that this is not a great entry method as the maximum system drawdown is much greater than the compounded annual return (CAR). Having said that, I have had many very good trades with it. To trade this set up, takes persistence and looking at the scan regularly. In many cases, I will find good trades during lunch (2 pm ET) and can get in before the big move at the open the following day. For this system, you want to look for the 9/10 or 10/10 trades in bullish markets. This is not a scan for bearish markets. The examples, beginning on page 5, will give you an idea of what to look for and what not to look for. The backtest was done on data from January 2, 2015 to December 31, 2019. The backtest is set up to sort by reward to risk and takes the stock with the greatest reward (ATR(14) divided by the risk. The risk is defined as

Close – [Minimum of the bottom Bollinger band (Close,15,0.5) or the Low of the signal bar]

Amibroker Backtesting code

```
// The setup
Capital=100000;
SetOption( "initialequity", 100000); /* starting capital */
SetOption( "CommissionMode", 0 ); /* set commissions AND costs as $ per trade*/
//SetOption( "CommissionAmount", 1 ); /* commissions AND cost */
SetOption( "UsePrevBarEquityForPosSizing", 1 ); /*set the use of last bars equity for trade size*/
SetBacktestMode( backtestRegular ); // signal-based backtest, redundant (raw) signals are removed,
only one position per symbol allowed
TimeFrameSet( indaily);

RR = ATR(14)/(C-Min(BBandBot(C,15,0.5),Low)-0.001);

SetOption( "MaxOpenPositions", 20); //I only want a maximum of 20 trades open at a time
RoundLotSize = 10; //buys in lots of 10, i.e. no fractional shares

PositionSize = -100/20;
PositionScore = 100 + Ref(RR,-1);

CPP = Optimize("CPP",0.5,0.1,0.51,0.2);//lowest close in the code

Strength = Optimize("Strength", 0.7,0.5,0.8,0.1); position of the close vs the bar length

SP = (Close > CPP AND Close < 5.01 AND Ref(HHV(H,5),-1)/Ref(LLV(L,5),-1)<1.12) OR (Close >
5.00 AND Close < 10.01 AND Ref(HHV(H,5),-1)/Ref(LLV(L,5),-1)<1.07);

Basics = MA(Volume,20) > 200000 AND (C-L)/(H-L-0.001)> Strength AND MA(C,15) >
Ref(MA(C,15),-1) AND MA(C,45) > Ref(MA(C,45),-1) AND C/MA(C,15) < 1.25 AND C > MA(C,15);

Filter = Basics AND SP AND Close > MA(C,45) AND V > 1.5*MA(V,20) AND Close > Open AND
C > Ref(C,-1) AND C > Ref(HHV(H,10),-1) AND Ref(C,-1) < Ref(HHV(H,9),-2);

Setup = Filter;

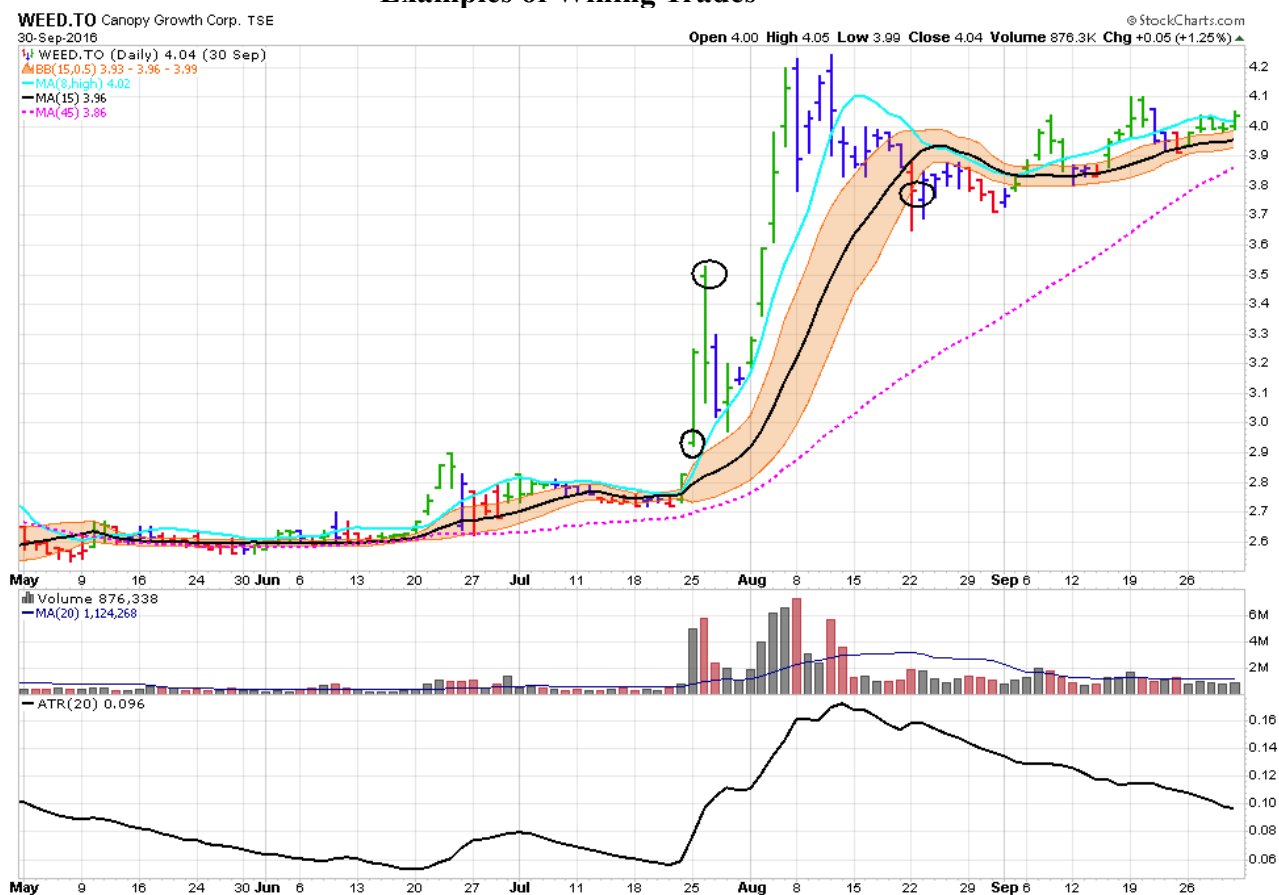
Buy=0;
Buy = Ref(Setup,-1);
BuyPrice = Open;

Sell=0;
Exitatstop = 1;
Multi = Optimize("Multi", 2.6,1.6,3.1,0.2);//Profit multiplier
Getout = Iif(Setup, ATR(14),0);
GTN = Multi*HHV(Ref(Getout,-1),20);
SellPrice = Ref(Low-0.01,-1);
Iif (Close >MA(Close,15), ApplyStop(stopTypeProfit, stopModePoint, GTN,
1),Sell=(Ref(Close<MA(Close,15),-1) AND Low < Ref(Low-0.01,-1)));
/* N-bar stop */
ApplyStop( stopTypeNBar, stopModeBars, 20);
TimeFrameRestore();
```

Examples

All examples are courtesy of StockCharts.com and use the Elder Impulse Chart Style

Examples of Wining Trades



WEED.TO was identified on July 22, 2016. The entry was at \$2.93. The backtest code does not sell on the buy day. This can be done if you choose to do that. When you put all your limit sells into the market, 70% of the position would have been sold at the opening on July 26 at \$3.50. When you do one at a time, depending on how you handled the trade, you may have sold most of your position as the stock advanced. After the first sell, the stop would have been moved up to just below the low on the buy day and then the final shares would have been sold on August 22 at about \$3.77 which is just below the low on August 8. Note, that while Amibroker found this stock, StockCharts would not have as the volume on July 22 was 785,202 vs a 20-day moving average of 527,009 which was 1.49 x the moving average. The code requires that the volume be 1.5 x the moving average. Data is different between vendors and sometimes this will work for you and sometimes against you.



HIVE.V is a blockchain company and this sector was quite hot for a while. The signal was generated on February 11, 2019 at a closing price of 0.415. The stop could be placed just below the low of the signal bar at 0.35 for \$0.065 risk. Alternately, you could have put the stop just below the low of the consolidation (\$0.33) and placed a limit order at \$0.385 which was just above the consolidation. You could also split your entry between the two. The first exit was on the opening of February 19. The first profit target would add $1.8 \times \text{ATR}(14) = 0.06$ to the entry while the 2nd would add $3 \times \text{ATR}(14) = 0.10$ to the entry. In this case, both the first and 2nd exit would have been hit within a 2-day period. Of the remaining position, I likely would have sold more on the gap which occurred in early April. The remainder would have been sold somewhere within the oval on the right depending on where I put my stop.



WPRT was advancing and consolidated near its highs. On September 27, 2017 it broke out on good volume. Buying at \$3.10 the next day with a stop at \$2.78 puts \$0.32 per share at risk. The ATR(14) was 0.17 on the entry day so the first and second profit target are \$3.41 and \$3.61 which were hit quite quickly. The exit could have happened a number of ways. The one shown follows the trading plan and in this case just happens to align with the long term trend line. Alternately, the last exit could have been below the low of the day that broke the shorter trend line.



ENPH was purchased on November 9, 2017 at \$1.69. Based on the system, the stop loss point was at \$1.36 although a good argument could be made to place it under the low of the signal bar at \$1.54. With the volume and gap, it is clear that something is going on and when this something turns out to be false, you should likely exit the trade. ATR(14) was 0.12 at the entry point making the first and second sell points at \$1.91 and \$2.05 which were both hit 2 days later. This is where real life would potentially differ. I only put one limit order into the market at a time. After the \$1.91 limit was hit, I would likely reevaluate the strength of the stock. I may have split the remaining 70% of the position and continued to sell into strength. The final sell was on December 12 at \$2.66, just below the low of the previous day.

Examples of Losing Trades

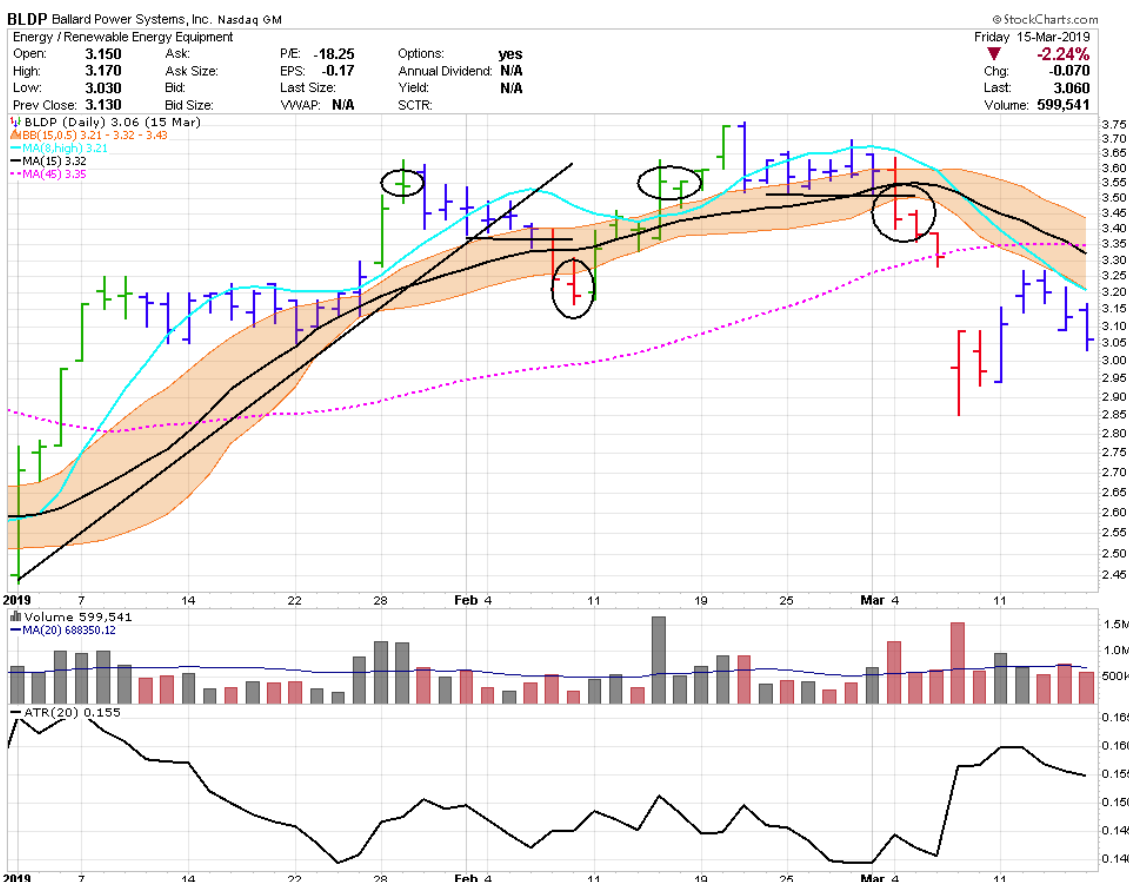
Charts courtesy of StockCharts.com



The buy on ONCS was November 11, 2018, one day after the signal bar. In this case, a large loss occurred when the company reported poor results from a clinical trial 2 days later. Any time you are playing in a drug related company these types of moves can occur. You either play in this area or you don't. When you start buying before an announcement, thinking you know what is going to happen, the above could happen to you. It likely will at some point in your trading career anyway no matter what stocks you buy. It is just that the odds of it happening in a drug related company are higher.



The trade on NGD.TO (also NGD in the US) occurred on November 12, 2019 following a break on good volume. For this trade, the stop could have been put under the lower Bollinger Band or the consolidation. In either case, your stop loss would have gotten you out provided you did not put it too tight. For example, 1.44 to 1.43 vs 1.44 to 1.40. The volume on this stock is quite large so exiting quickly would likely have been achieved.



BLDP had two buy signals in a short period of time in early 2019. In both cases they were losing trades. Both entries occurred after a good move on good volume. The exit would depend on how you moved your stop during the trade. In the 2nd example, moving your stop up just under the consolidation would make sense as the entry had a lot of volume and there was no follow through. The first trade was not really a great set up as the risk on the trade was quite high ~ \$0.50 vs a buy of \$3.55 or around 14%. The 2nd buy was only 20 cents vs an initial buy point of \$3.55 or 5.6%. A trader always needs to be wary of the reward to risk they are taking on.

AmiBroker Backtest Results from January 2, 2015 to December 31, 2019
comparing an ATR(14) Multiplier of 1.8 to 3

Statistics 3 x ATR(14) Profit Target			Statistics 1.8 x ATR(14) Profit Target		
	All trades	Long trades		All trades	Long trades
Initial capital	100000	100000	Initial capital	100000	100000
Ending capital	177245.57	177245.57	Ending capital	137731.36	137731.36
Net Profit	77245.57	77245.57	Net Profit	37731.36	37731.36
Net Profit %	77.25%	77.25%	Net Profit %	37.73%	37.73%
Exposure %	83.83%	83.83%	Exposure %	79.95%	79.95%
Net Risk Adjusted Return %	92.15%	92.15%	Net Risk Adjusted Return %	47.19%	47.19%
Annual Return %	12.14%	12.14%	Annual Return %	6.62%	6.62%
Risk Adjusted Return %	14.48%	14.48%	Risk Adjusted Return %	8.27%	8.27%
Total transaction costs	45743.4	45743.4	Total transaction costs	47456.7	47456.7
All trades	1739	1739 (100.00 %)	All trades	2158	2158 (100.00 %)
Avg. Profit/Loss	44.42	44.42	Avg. Profit/Loss	17.48	17.48
Avg. Profit/Loss %	0.71%	0.71%	Avg. Profit/Loss %	0.33%	0.33%
Avg. Bars Held	14.22	14.22	Avg. Bars Held	11.17	11.17
Winners	780 (44.85 %)	780 (44.85 %)	Winners	1157 (53.61 %)	1157 (53.61 %)
Total Profit	535201.35	535201.35	Total Profit	461552.67	461552.67
Avg. Profit	686.16	686.16	Avg. Profit	398.92	398.92
Avg. Profit %	9.89%	9.89%	Avg. Profit %	6.78%	6.78%
Avg. Bars Held	15.44	15.44	Avg. Bars Held	9.11	9.11
Max. Consecutive	14	14	Max. Consecutive	16	16
Largest win	3687.6	3687.6	Largest win	2169.6	2169.6
# bars in largest win	11	11	# bars in largest win	6	6
Losers	959 (55.15 %)	959 (55.15 %)	Losers	1001 (46.39 %)	1001 (46.39 %)
Total Loss	-457955.78	-457955.78	Total Loss	-423821.31	-423821.31
Avg. Loss	-477.53	-477.53	Avg. Loss	-423.4	-423.4
Avg. Loss %	-6.76%	-6.76%	Avg. Loss %	-7.13%	-7.13%
Avg. Bars Held	13.23	13.23	Avg. Bars Held	13.54	13.54
Max. Consecutive	14	14	Max. Consecutive	13	13
Largest loss	-4959.5	-4959.5	Largest loss	-4247.1	-4247.1
# bars in largest loss	5	5	# bars in largest loss	11	11
Max. trade drawdown	-4959.5	-4959.5	Max. trade drawdown	-4537.5	-4537.5
Max. trade % drawdown	-79.53	-79.53	Max. trade % drawdown	-79.53	-79.53
Max. system drawdown	-32582.26	-32582.26	Max. system drawdown	-25296.15	-25296.15
Max. system % drawdown	-26.99%	-26.99%	Max. system % drawdown	-21.06%	-21.06%
Recovery Factor	2.37	2.37	Recovery Factor	1.49	1.49
CAR/MaxDD	0.45	0.45	CAR/MaxDD	0.31	0.31
RAR/MaxDD	0.54	0.54	RAR/MaxDD	0.39	0.39
Profit Factor	1.17	1.17	Profit Factor	1.09	1.09
Payoff Ratio	1.44	1.44	Payoff Ratio	0.94	0.94
Standard Error	13154.91	13154.91	Standard Error	8958.59	8958.59
Risk-Reward Ratio	1.36	1.36	Risk-Reward Ratio	0.99	0.99
Ulcer Index	9.27	9.27	Ulcer Index	8.84	8.84
Ulcer Performance Index	0.73	0.73	Ulcer Performance Index	0.14	0.14
Sharpe Ratio of trades	0.19	0.19	Sharpe Ratio of trades	0.07	0.07
K-Ratio	0.05	0.05	K-Ratio	0.04	0.04

By increasing the profit multiplier, the main three things that consistently occur are that the number of trades decrease, the number of winning trades decrease and the length of time you are in a trade increases.

AmiBroker Optimization of Lowest Closing Price, Closing Bar Strength and ATR(14) Profit Multiplier

Results from January 2, 2015 to December 31, 2019 Starting with \$100,000

Net Profit	Net % Profit	Exposure %	CAR	RAR	Max. Sys % Drawdown	Profit Factor	Payoff Ratio	# Trades	% of Winners	W. Avg. Bars Held	L. Avg. Bars Held	Lowest Close (\$)	Strength	ATR(14) Multiplier
77246	77.25	83.83	12.14	14.48	-26.99	1.17	1.44	1739	44.85	15.44	13.23	0.5	0.6	3
73635	73.63	85	11.67	13.73	-27.11	1.16	1.42	1761	44.97	14.84	13.78	0.5	0.5	3
63529	63.53	82.45	10.34	12.54	-25.96	1.13	1.3	1966	46.34	11.94	12.79	0.5	0.6	2.6
62089	62.09	83.95	10.15	12.09	-27.19	1.14	1.49	1685	43.38	15.22	14.27	0.5	0.6	3.2
61941	61.94	85.61	10.13	11.83	-27.07	1.15	1.48	1702	43.65	15.32	14.28	0.5	0.5	3.2
59999	60	82.75	9.86	11.92	-26.55	1.12	1.37	1913	45.11	12.65	12.82	0.5	0.6	2.8
54958	54.96	80.44	9.16	11.39	-25.38	1.13	1.32	1803	46.15	14.31	12.04	0.5	0.7	2.6
53081	53.08	81.82	8.89	10.87	-28.55	1.13	1.48	1676	43.38	16.83	12.23	0.5	0.7	3
50213	50.21	84.93	8.48	9.99	-28.3	1.11	1.36	1863	44.98	12.89	13.72	0.5	0.5	2.8
48793	48.79	84.07	8.28	9.84	-25.72	1.1	1.28	2017	46.11	11.91	12.55	0.5	0.5	2.6
43485	43.49	82.87	7.49	9.04	-23.83	1.09	1.21	2006	47.51	10.64	13.54	0.5	0.6	2.4
41547	41.55	78.34	7.2	9.19	-27.16	1.09	1.22	2000	47.2	11.12	11.84	0.5	0.7	2.4
41395	41.4	81.96	7.18	8.76	-27.74	1.11	1.41	1624	44.09	16.78	13.15	0.5	0.7	2.8
38897	38.9	86.46	6.8	7.86	-29.04	1.09	1.34	1721	44.68	14.35	14.78	0.1	0.6	3
38078	38.08	81.61	6.67	8.17	-17.63	1.08	0.85	2384	56.04	8.02	13.1	0.5	0.5	1.6
37731	37.73	79.95	6.62	8.27	-21.06	1.09	0.94	2158	53.61	9.11	13.54	0.5	0.6	1.8
36943	36.94	81.79	6.49	7.94	-21.74	1.09	0.95	2239	53.42	9	13.28	0.5	0.5	1.8
36064	36.06	87.53	6.36	7.26	-30.29	1.08	1.34	1835	44.69	13.03	14.45	0.1	0.5	3
35385	35.39	79.14	6.25	7.9	-17.58	1.08	0.84	2293	56.17	8.15	13.33	0.5	0.6	1.6
34564	34.56	81.4	6.12	7.52	-23.35	1.08	1.04	2061	50.99	10.01	13.61	0.5	0.6	2
33181	33.18	84.28	5.9	7	-25.74	1.07	1.22	2049	46.75	10.59	13.36	0.5	0.5	2.4
31048	31.05	82.76	5.56	6.72	-22.22	1.07	1.11	1968	49.09	10.96	13.77	0.5	0.6	2.2
30890	30.89	86.05	5.53	6.43	-28.91	1.07	1.29	1820	45.27	12.85	14.41	0.1	0.6	2.8
25856	25.86	75.08	4.71	6.27	-16.2	1.07	0.84	2229	55.94	8.23	12.44	0.5	0.7	1.6
23191	23.19	76.16	4.26	5.6	-22.37	1.06	0.93	2116	53.21	9.2	12.56	0.5	0.7	1.8
22618	22.62	85.12	4.16	4.89	-30.6	1.06	1.38	1602	43.51	17.05	13.75	0.1	0.7	3
22299	22.3	87.05	4.11	4.72	-29.79	1.05	1.4	1661	42.93	15.46	14.8	0.1	0.6	3.2
20012	20.01	84.85	3.72	4.38	-22.89	1.05	1.11	2012	48.61	10.96	13.51	0.5	0.5	2.2
19738	19.74	77.05	3.67	4.76	-24.94	1.05	1.03	2115	50.45	9.06	12.53	0.5	0.7	2
19268	19.27	83.74	3.59	4.29	-24.3	1.05	1.02	2114	50.66	9.99	13.35	0.5	0.5	2
18255	18.26	79.62	3.41	4.29	-24.35	1.05	1.13	1898	48.21	11.05	13.33	0.5	0.7	2.2
17244	17.24	88.34	3.23	3.66	-29.98	1.04	1.39	1743	42.86	14.15	14.63	0.1	0.5	3.2
16317	16.32	84.93	3.07	3.62	-29.48	1.03	1.2	1994	46.29	11.37	13.21	0.1	0.6	2.6
16261	16.26	86.38	3.06	3.54	-31.84	1.04	1.43	1525	42.16	18.61	13.87	0.1	0.7	3.2
11726	11.73	86.58	2.24	2.59	-27.61	1.03	1.13	2007	47.53	10.82	14.05	0.1	0.5	2.4
11223	11.22	85.14	2.15	2.53	-29.42	1.03	1.31	1597	44.02	16.67	13.82	0.1	0.7	2.8
9561	9.56	86.97	1.84	2.12	-28.79	1.02	1.2	1954	45.96	11.3	14.05	0.1	0.5	2.6
8954	8.95	85.38	1.73	2.03	-27.51	1.02	1.04	1977	49.52	10.75	14.18	0.1	0.6	2.2
7862	7.86	84.84	1.53	1.8	-32.73	1.02	1.11	2033	47.71	10.77	13.22	0.1	0.6	2.4
6969	6.97	84.63	1.36	1.6	-24.46	1.02	0.96	2039	51.5	10.01	14.2	0.1	0.6	2
5774	5.77	83.31	1.13	1.36	-28.18	1.01	1.2	1812	45.81	13.74	12.53	0.1	0.7	2.6
4484	4.48	87.99	0.88	1	-30.12	1.01	1.26	1844	44.52	12.63	14.25	0.1	0.5	2.8
2604	2.6	81.43	0.52	0.63	-28.78	1.01	1.13	1971	47.08	11.21	12.44	0.1	0.7	2.4
1263	1.26	83.07	0.25	0.3	-23.85	1	0.78	2254	56.39	8.3	13.86	0.1	0.6	1.6
-669	-0.67	83.43	-0.13	-0.16	-24.84	1	0.86	2192	53.65	9.09	13.42	0.1	0.6	1.8
-682	-0.68	86.9	-0.14	-0.16	-25.71	1	0.95	2052	51.22	10.07	14.15	0.1	0.5	2
-2031	-2.03	84.96	-0.41	-0.48	-24.68	1	0.78	2335	56.15	8.15	13.65	0.1	0.5	1.6
-2146	-2.15	84.67	-0.43	-0.51	-26	1	0.86	2277	53.75	8.33	13.83	0.1	0.5	1.8
-6040	-6.04	80.2	-1.24	-1.54	-25.26	0.98	0.77	2093	56.19	9.21	13.18	0.1	0.7	1.6
-9388	-9.39	86.94	-1.95	-2.25	-29.62	0.98	1.03	2067	48.67	9.87	13.87	0.1	0.5	2.2
-11175	-11.17	79.86	-2.34	-2.93	-24.7	0.97	0.84	2084	53.5	9.27	13.09	0.1	0.7	1.8
-13684	-13.68	81.5	-2.9	-3.56	-30.36	0.96	0.94	1988	50.55	10.08	13.25	0.1	0.7	2
-14469	-14.47	82.75	-3.08	-3.72	-31.68	0.96	1.04	1845	47.97	11.56	13.3	0.1	0.7	2.2

(CAR) Annual Return % - Compounded Annual Return %

(RAR) Risk Adjusted Return % - Annual return % divided by Exposure %

**AmiBroker Trades Using Above Code with 3x ATR(14) Profit Multiplier
Backtest #1 from August 1, 2019 to November 29, 2019
Trades from August 2019**

Symbol	Trade	Date	Price	Ex. date	Ex. Price	% chg	Profit	% Profit	Shares	# bars
SUNM.V	Long	8/1/2019	0.58	8/7/2019	0.51	-12.07%	-689.600	-13.79%	8620	5
ACCO	Long	8/1/2019	9.78	8/27/2019	9.31	-4.81%	-244.8	-4.91%	510	19
MUFG	Long	8/1/2019	4.93	8/5/2019	4.79	-2.84%	-151.5	-3.04%	1010	3
AGI	Long (profit)	8/2/2019	7.02	8/5/2019	7.75	10.39%	510.96	10.25%	710	2
AUY	Long (profit)	8/2/2019	3.12	8/7/2019	3.56	14.10%	688	13.78%	1600	4
KGC	Long (profit)	8/2/2019	4.43	8/7/2019	4.99	12.64%	616	12.42%	1120	4
K.TO	Long (profit)	8/2/2019	5.87	8/7/2019	6.68	13.80%	680	13.63%	850	4
YRI.TO	Long (profit)	8/2/2019	4.18	8/7/2019	4.75	13.64%	666.4	13.40%	1190	4
HIVE	Open Long	8/2/2019	4.45	11/29/2019	4.44	-0.22%	-22.4	-0.45%	1120	86
ECN.TO	Long (profit)	8/2/2019	4.88	8/8/2019	5.18	6.16%	296.36	5.95%	1020	5
ORN	Long	8/2/2019	4.77	8/12/2019	4.13	-13.42%	-676	-13.63%	1040	7
AGI.TO	Long	8/2/2019	9.31	8/22/2019	9.30	-0.11%	-10.6	-0.21%	530	15
BLDP	Long	8/5/2019	4.4	8/15/2019	4.20	-4.55%	-237.3	-4.77%	1130	9
MOBL	Long	8/5/2019	6.91	8/7/2019	6.69	-3.18%	-165.6	-3.33%	720	3
IPI	Long	8/5/2019	3.74	8/6/2019	3.48	-6.95%	-359.1	-7.22%	1330	2
IMGN	Long	8/6/2019	2.54	8/23/2019	2.53	-0.39%	-39.4	-0.79%	1970	14
XLY.V	Long	8/6/2019	1.04	8/15/2019	0.89	-14.42%	-771.2	-15.38%	4820	8
NMR	Long (profit)	8/7/2019	3.59	8/22/2019	3.83	6.78%	329.27	6.50%	1410	12
PERI	Long (profit)	8/8/2019	4.82	8/13/2019	5.64	16.93%	846.19	16.72%	1050	4
VER	Long (n-bar)	8/8/2019	9.64	9/6/2019	9.64	0.00%	-5.2	-0.10%	520	21
MFA	Long	8/9/2019	7.43	8/27/2019	7.21	-2.96%	-158.7	-3.10%	690	13
WPRT	Long	8/12/2019	3.24	8/13/2019	2.90	-10.49%	-553	-10.80%	1580	2
FOMX	Long (profit)	8/12/2019	2.81	8/23/2019	3.29	17.24%	863.4	16.88%	1820	10
BIOC	Long	8/13/2019	1.06	8/15/2019	0.96	-9.43%	-523.6	-10.38%	4760	3
GUD.TO	Long	8/13/2019	7.78	8/27/2019	7.60	-2.31%	-121.6	-2.44%	640	11
REAL.TO	Long (profit)	8/14/2019	9.19	8/21/2019	9.90	7.73%	385.08	7.62%	550	6
GNW	Long	8/14/2019	4.34	9/10/2019	4.40	1.38%	58.5	1.15%	1170	19
SMTA	Long	8/15/2019	8.54	8/26/2019	8.37	-1.99%	-104.4	-2.11%	580	8
XNET	Long	8/15/2019	2.58	9/3/2019	2.43	-5.81%	-310.4	-6.20%	1940	13
HDGE	Long	8/15/2019	7.22	8/30/2019	6.97	-3.46%	-179.4	-3.60%	690	12
WELL.V	Long	8/22/2019	1.85	8/28/2019	1.62	-12.43%	-655.2	-12.97%	2730	5
WELL.TO	Long	8/22/2019	1.85	8/28/2019	1.62	-12.43%	-655.2	-12.97%	2730	5
MEET	Long	8/22/2019	3.66	8/30/2019	3.39	-7.38%	-386.4	-7.65%	1380	7
LMC.TO	Long (profit)	8/23/2019	2.56	8/26/2019	2.88	12.65%	621.27	12.26%	1980	2
SBB.TO	Long (profit)	8/23/2019	1.9	8/26/2019	2.15	13.16%	640.72	12.63%	2670	2
SVM	Long	8/26/2019	4.09	9/10/2019	3.97	-2.93%	-159.9	-3.18%	1230	11
ADMA	Long (profit)	8/27/2019	4.4	9/9/2019	5.07	15.20%	757.51	14.97%	1150	9
AKG.TO	Long	8/28/2019	1.41	9/9/2019	1.22	-13.48%	-718	-14.18%	3590	8
IPO.TO	Long (profit)	8/30/2019	0.64	9/10/2019	0.71	11.18%	484.56	9.62%	7870	7
TLGT	Long (profit)	8/30/2019	0.79	9/3/2019	0.97	22.78%	1082.9	21.52%	6370	2

AmiBroker Trades Using Above Code with 3x ATR(14) Profit Multiplier
Backtest #2 from January 2, 2015 to December 31, 2019
Trades from August 2019

Symbol	Trade	Date	Price	Ex. date	Ex. Price	% chg	Profit	% Profit	Shares	# bars
MUFG	Long	8/1/2019	4.93	8/5/2019	4.79	-2.84%	-253.5	-3.04%	1690	3
HIVE	Open Long	8/2/2019	4.45	12/31/2019	4.44	-0.22%	-37.4	-0.45%	1870	107
BLDP	Long	8/5/2019	4.4	8/15/2019	4.2	-4.55%	-399	-4.77%	1900	9
MOBL	Long	8/5/2019	6.91	8/7/2019	6.69	-3.18%	-278.3	-3.33%	1210	3
IMGN	Long	8/6/2019	2.54	8/23/2019	2.53	-0.39%	-65	-0.79%	3250	14
NMR	Long (profit)	8/7/2019	3.59	8/22/2019	3.83353	6.78%	541.78	6.50%	2320	12
PERI	Long (profit)	8/8/2019	4.82	8/13/2019	5.6359	16.93%	1402.26	16.72%	1740	4
MFA	Long	8/9/2019	7.43	8/27/2019	7.21	-2.96%	-259.9	-3.10%	1130	13
GUD.TO	Long	8/13/2019	7.78	8/27/2019	7.6	-2.31%	-203.3	-2.44%	1070	11
BIOC	Long	8/13/2019	1.06	8/15/2019	0.96	-9.43%	-871.2	-10.38%	7920	3
XNET	Long	8/15/2019	2.58	9/3/2019	2.43	-5.81%	-513.6	-6.20%	3210	13
SMTA	Long	8/15/2019	8.54	8/26/2019	8.37	-1.99%	-174.6	-2.11%	970	8
WELL.TO	Long	8/22/2019	1.85	8/28/2019	1.62	-12.43%	-1072.8	-12.97%	4470	5
WELL.V	Long	8/22/2019	1.85	8/28/2019	1.62	-12.43%	-1072.8	-12.97%	4470	5
MEET	Long	8/22/2019	3.66	8/30/2019	3.39	-7.38%	-632.8	-7.65%	2260	7
LMC.TO	Long (profit)	8/23/2019	2.56	8/26/2019	2.88377	12.65%	1013.48	12.26%	3230	2
SVM	Long	8/26/2019	4.09	9/10/2019	3.97	-2.93%	-260	-3.18%	2000	11
ADMA	Long (profit)	8/27/2019	4.4	9/9/2019	5.0687	15.20%	1225.18	14.97%	1860	9
AKG.TO	Long	8/28/2019	1.41	9/9/2019	1.22	-13.48%	-1166	-14.18%	5830	8
IPO.TO	Long (profit)	8/30/2019	0.64	9/10/2019	0.711571	11.18%	785.03	9.62%	12750	7
TLGT	Long (profit)	8/30/2019	0.79	9/3/2019	0.97	22.78%	1756.1	21.52%	10330	2

Looking at Backtest #1 & #2, you can see why backtesting can vary depending on how it is done. In the first table, backtest #1 was done between August 1, 2019 to November 29, 2019 and 40 trades were found. In backtest #2, the backtest was done between January 2, 2015 and December 31, 2019 and found 21 trades in August 2019. The code ensures that only 20 positions are open at one time. Because of this restriction, no other stocks can be purchased once the limit is hit and it is because of this restriction that fewer trades are seen August 2019 in backtest #2.