

EXHIBIT 3**APPENDIX****Equity Execution Venue Rank and Tier**

<u>Market Participant</u>	<u>Market Share of Share Volume</u> ¹	<u>Rank</u>	<u>Tier</u>
Financial Industry Regulatory Authority, Inc.	24.4118512850143%	1	1
The NASDAQ Stock Market LLC	14.3221316394514%	2	1
New York Stock Exchange LLC	13.1631222177691%	3	1
NYSE Arca, Inc.	9.3963074291365%	4	1
Cboe EDGX Exchange, Inc.	6.3267638314653%	5	1
Cboe BZX Exchange, Inc.	6.1478229789347%	6	1
Cboe BYX Exchange, Inc.	4.7643781647716%	7	1
NASDAQ BX, Inc.	3.1401372815484%	8	1
UBS ATS	2.3058693548856%	9	1
Investors' Exchange, LLC	2.1483648334229%	10	1
Cboe EDGA Exchange, Inc.	1.8513467967001%	11	1
CROSSFINDER	1.6894565311740%	12	1
SUPERX	1.0115687555972%	13	1
MS POOL (ATS-4)	0.9188826526803%	14	2
NASDAQ PHLX LLC	0.8009596014408%	15	2

¹ Market share is based on Q2 2017 data made publicly available by Bats (exchange market statistics source), FINRA (ATS market statistics source), and OTC Markets (ATS market statistics source).

<u>Market Participant</u>	<u>Market Share of Share Volume¹</u>	<u>Rank</u>	<u>Tier</u>
J.P. MORGAN ATS (“JPM-X”)	0.7936361365369%	16	2
BARCLAYS ATS (“LX”)	0.6719255553783%	17	2
LEVEL ATS	0.6571986459767%	18	2
INSTINCT X	0.5956036029620%	19	2
BIDS TRADING L.P.	0.5837401323782%	20	2
INSTINET CONTINUOUS BLOCK CROSSING SYSTEM (CBX)	0.4723979596673%	21	2
KCG MATCHING	0.4682553983691%	22	2
POSIT	0.4435281677014%	23	2
Chicago Stock Exchange, Inc.	0.4241409043731%	24	2
SIGMA X	0.3157563290949%	25	2
MS TRAJECTORY CROSS (ATS-1)	0.2654339378079%	26	2
NYSE American LLC	0.2342627717196%	27	2
IBKR ATS	0.2038196304470%	28	2
CROSSSTREAM	0.1772292674940%	29	2
SIGMA X2	0.1705392273292%	30	2
LIQUIDNET ATS	0.1499973113804%	31	2
MILLENNIUM	0.1365496066290%	32	2
CITICROSS	0.1349428742591%	33	2
LIQUIDNET H20 ATS	0.1282036311445%	34	2

<u>Market Participant</u>	<u>Market Share of Share Volume¹</u>	<u>Rank</u>	<u>Tier</u>
DEALERWEB, INC.	0.1156677493258%	35	2
OTC LINK ATS ²	0.1148240026713%	36	3
BLOCKCROSS ATS	0.0979883294279%	37	3
INSTINET CROSSING	0.0763929064441%	38	3
CODA MARKETS, INC.	0.0662166896390%	39	3
LUMINEX TRADING & ANALYTICS LLC	0.0304261486817%	40	3
MS RETAIL POOL	0.0295389976553%	41	3
CITIBLOC	0.0251235534421%	42	3
USTOCKTRADE SECURITIES, INC.	0.0089509616229%	43	3
AQUA SECURITIES L.P.	0.0052275918715%	44	3
XE	0.0031219820548%	45	3
GLOBAL OTC	0.0002467471213%	46	3
BARCLAYS DIRECTEX	0.0001494994467%	47	3
VARIABLE INVESTMENT ADVISORS, INC. ATS (VIAATS)	0.0000002922675%	48	4
FNC AG STOCK, LLC	0.0000000607782%	49	4
DBOT ATS, LLC	0.0000000429086%	50	4
PRO SECURITIES ATS	0.0000000000004%	51	4

² Market share for OTC Link ATS is based on the Q2 2017 data made publicly available by OTC Markets.

<u>Market Participant</u>	<u>Market Share of Share Volume</u> ¹	<u>Rank</u>	<u>Tier</u>
NYSE National, Inc.	0.00000000000000%	52	4

Options Execution Venue Rank and Tier

<u>Market Participant</u>	<u>Market Share of Share Volume (Options Contracts)</u> ³	<u>Rank</u>	<u>Tier</u>
Cboe Exchange, Inc.	17.30%	1	1
NASDAQ PHLX LLC	16.89%	2	1
Cboe BZX Options Exchange, Inc.	12.36%	3	1
The NASDAQ Options Market LLC	10.01%	4	1
Nasdaq ISE, LLC	9.06%	5	1
NYSE Arca, Inc.	7.74%	6	1
NYSE American LLC	7.60%	7	1
Miami International Securities Exchange, LLC	5.07%	8	1
Nasdaq GEMX, LLC	5.04%	9	1
Cboe C2 Exchange, Inc.	3.79%	10	1
BOX Options Exchange LLC	2.30%	11	1
Cboe EDGX Options Exchange, Inc.	1.40%	12	2

³ The market share is based on Q2 data made publicly available by Bats.

Market Participant	Market Share of Share	Rank	Tier
NASDAQ BX, Inc.	0.70%	13	2
MIAX PEARL, LLC	0.61%	14	2
Nasdaq MRX, LLC	0.13%	15	2