

1 Steven W. Ritcheson (SBN 174062)  
2 Email: switcheson@insightplc.com  
3 **INSIGHT, PLC**  
4 578 Washington Blvd. #503  
5 Marina del Rey, California 90292  
6 Telephone: (424) 289-9191

7 Travis E. Lynch (SBN 335684)  
8 Email: lynch@rhmtrial.com  
9 **ROZIER HARDT MCDONOUGH PLLC**  
10 659 Auburn Avenue NE, Unit 254  
11 Atlanta, Georgia 30312  
12 Telephone: (404) 564-1862

13 *For Plaintiff FLEET CONNECT SOLUTIONS LLC*

14 **UNITED STATES DISTRICT COURT**  
15 **FOR THE CENTRAL DISTRICT OF CALIFORNIA**

16 FLEET CONNECT SOLUTIONS  
17 LLC,

18 Plaintiff,

19 v.

20 C.R. ENGLAND, INC.,  
21 Defendant.

22 Case No. \_\_\_\_\_

23 **COMPLAINT AGAINST C.R.  
24 ENGLAND, INC. FOR PATENT  
25 INFRINGEMENT**

26 **JURY TRIAL DEMANDED**

27  
28

1 Plaintiff Fleet Connect Solutions LLC (“FCS” or “Plaintiff”) files this  
 2 Complaint against C.R. England, Inc. (“Defendant”) alleging, based on its own  
 3 knowledge as to itself and its own actions, and based on information and belief as to  
 4 all other matters, as follows:

5 **NATURE OF THE ACTION**

6 1. This is a patent infringement action to stop Defendant’s infringement of the  
 7 following United States Patents (collectively, the “Asserted Patents”):

U.S. Patent No.	Title	Available At:
1. 6,429,810	Integrated Air Logistics System	<a href="https://image-ppubs.uspto.gov/dirsearch-public/print/downloadPdf/6429810">https://image-ppubs.uspto.gov/dirsearch-public/print/downloadPdf/6429810</a> <a href="https://patentimages.storage.googleapis.com/58/e0/e4/b2d9d7c23e0cfc/US6429810.pdf">https://patentimages.storage.googleapis.com/58/e0/e4/b2d9d7c23e0cfc/US6429810.pdf</a>
2. 7,058,040	Channel Interference Reduction	<a href="https://image-ppubs.uspto.gov/dirsearch-public/print/downloadPdf/7058040">https://image-ppubs.uspto.gov/dirsearch-public/print/downloadPdf/7058040</a> <a href="https://patentimages.storage.googleapis.com/fc/bf/89/0b41ddffc31091/US7058040.pdf">https://patentimages.storage.googleapis.com/fc/bf/89/0b41ddffc31091/US7058040.pdf</a>
3. 7,260,153	Multi Input Multi Output Wireless Communication Method and Apparatus Providing Extended Range and Extended Rate Across Imperfectly Estimated Channels	<a href="https://image-ppubs.uspto.gov/dirsearch-public/print/downloadPdf/7260153">https://image-ppubs.uspto.gov/dirsearch-public/print/downloadPdf/7260153</a> <a href="https://patentimages.storage.googleapis.com/6e/c6/0a/a31c81abd31a94/US7260153B2.pdf">https://patentimages.storage.googleapis.com/6e/c6/0a/a31c81abd31a94/US7260153B2.pdf</a>
4. 7,596,391	System and Method for Wireless Communication Between a Vehicle and a Mobile Unit	<a href="https://image-ppubs.uspto.gov/dirsearch-public/print/downloadPdf/7596391">https://image-ppubs.uspto.gov/dirsearch-public/print/downloadPdf/7596391</a> <a href="https://patentimages.storage.googleapis.com/54/84/c7/4c623f3cfde876/US7596391.pdf">https://patentimages.storage.googleapis.com/54/84/c7/4c623f3cfde876/US7596391.pdf</a>
5. 7,656,845	Channel Interference Reduction	<a href="https://image-ppubs.uspto.gov/dirsearch-public/print/downloadPdf/7656845">https://image-ppubs.uspto.gov/dirsearch-public/print/downloadPdf/7656845</a> <a href="https://patentimages.storage.googleapis.com/75/e5/58/a3b9dbb61c1558/US7656845.pdf">https://patentimages.storage.googleapis.com/75/e5/58/a3b9dbb61c1558/US7656845.pdf</a>
6. 7,742,388	Packet Generation Systems and Methods	<a href="https://image-ppubs.uspto.gov/dirsearch-public/print/downloadPdf/7742388">https://image-ppubs.uspto.gov/dirsearch-public/print/downloadPdf/7742388</a> <a href="https://patentimages.storage.googleapis.com/d6/71/bf/490092e646e7fa/US7742388.pdf">https://patentimages.storage.googleapis.com/d6/71/bf/490092e646e7fa/US7742388.pdf</a>

27  
 28 2. Plaintiff seeks injunctive relief and monetary damages.

**PARTIES**

1  
2 3. Plaintiff is a limited liability company formed under the laws of Texas with  
3 its registered office address located in Austin, Texas (Travis County).

4 4. On information and belief, Defendant is a corporation organized under the  
5 laws of the State of Utah with its principal place of business located at 4701 W 2100  
6 S., Salt Lake City, Utah 84120 (Salt Lake County).

7 5. Defendant also maintains places of business in this District, including at least  
8 2250 S. Riverside Avenue, Colton, California 92324 (San Bernardino County).

9 6. Defendant may be served through its registered agent for service in  
10 California: CSC – Lawyers Incorporating Service, 2710 Gateway Oaks Drive,  
11 Sacramento, California, 95833.

12 7. Defendant may also be served through its registered agent for service in Utah:  
13 Corporation Service Company, 15 West South Temple, Suite 600, Salt Lake City, Utah  
14 84101.

**JURISDICTION AND VENUE**

15  
16 8. FCS repeats and re-alleges the allegations in the Paragraphs above as though  
17 fully set forth in their entirety.

18 9. This is an action for infringement of a United States patent arising under 35  
19 U.S.C. §§ 271, 281, and 284–85, among others. This Court has subject matter  
20 jurisdiction of the action under 28 U.S.C. § 1331 and § 1338(a).

21 10. Venue is proper against Defendant in this District pursuant to 28 U.S.C. §  
22 1400(b) and 1391(c) because it has maintained established and regular places of  
23 business in this District and has committed acts of patent infringement in the District.  
24 See *In re: Cray Inc.*, 871 F.3d 1355, 1362-1363 (Fed. Cir. 2017).

25 11. Defendant is subject to this Court’s specific and general personal jurisdiction  
26 under due process and/or the California Long Arm Statute due at least to Defendant’s  
27 substantial business in this judicial district, including: (i) at least a portion of the  
28 infringements alleged herein; and (ii) regularly doing or soliciting business, engaging

1 in other persistent courses of conduct, or deriving substantial revenue from goods and  
2 services provided to individuals in California and in this district.

3 12. Specifically, Defendant intends to do and does business in, and has  
4 committed acts of infringement in this District directly and through intermediaries,  
5 and offered its products or services, including those accused of infringement here, to  
6 customers and potential customers located in California, including in this District.

7 13. Defendant maintains a regular and established place of business in this  
8 District, including, but not limited to, a maintenance location and C.R. England  
9 Premier Trucking School located at the following address: 2250 S. Riverside Avenue,  
10 Colton, California 92324.

11 14. Defendant has committed acts of infringement from this district, including,  
12 but not limited to, use of the Accused Products.

### 13 **THE ACCUSED PRODUCTS**

14 15. FCS repeats and re-alleges the allegations in the Paragraphs above as though  
15 fully set forth in their entirety.

16 16. Based upon public information, Defendant owns, operates, advertises, and/or  
17 controls products and services that provide and/or utilize Accused Products  
18 manufactured by ORBCOMM.

19 17. Based upon public information, Defendant uses, causes to be used, provides,  
20 supplies, or distributes one or more fleet management platform and tracking solutions  
21 utilizing infringing systems and/or methods manufactured by ORBCOMM, including,  
22 but not limited to, including (1) trailer tracking devices such as the GT1200 Series,  
23 CT3000, PT6000, PT7000, and GT1020; (2) the BT 500 / ORBCOMM ELD; and (3)  
24 the PRO-400 (collectively, the “Accused Products”).<sup>1</sup>

25 18. Defendant uses the Accused Products to perform wireless communications  
26 and methods associated with performing and/or implementing wireless

27  
28 <sup>1</sup> See, e.g., <https://blog.orbcomm.com/c-r-england-keeps-its-cool-with-state-of-the-art-trailer-tracking/> and [https://www.orbcomm.com/PDF/casestudies/cr\\_england\\_cs.pdf](https://www.orbcomm.com/PDF/casestudies/cr_england_cs.pdf), both last accessed February 8, 2024.

1 communications including, but not limited to, wireless communications and methods  
2 pursuant to various protocols and implementations, including, but not limited to,  
3 Bluetooth, IEEE 802.11, and LTE protocols and various subsections thereof,  
4 including, but not limited to, 802.11ac, 802.11b, and 802.11n.

5 19. The wireless communications perform and/or implemented by the Accused  
6 Products, among other things, transmit data over various media, compute time slot  
7 channels, generate packets for network transmissions, perform or cause to be  
8 performed error estimation in orthogonal frequency division multiplexed (“OFDM”)  
9 receivers, and various methods of processing OFDM symbols.

10 20. Defendant, using the Accused Products, also tracks, analyzes, and reports  
11 vehicle maintenance needs and driver warnings associated with a vehicle, tracks or  
12 causes to be tracked vehicle locations, and allows for communication between a  
13 system administrator and a remote unit to communicate, *e.g.*, advisory notifications.

14 21. For these reasons and the additional reasons detailed below, the Accused  
15 Products practice at least one claim of each of the Asserted Patents.

16 **COUNT I: INFRINGEMENT OF U.S. PATENT NO. 6,429,810**

17 22. FCS repeats and re-alleges the allegations in Paragraphs 1-21 above as  
18 though fully set forth in their entirety.

19 23. The USPTO duly issued U.S. Patent No. 6,429,810 (hereinafter, the “’810  
20 patent”) on August 6, 2002 after full and fair examination of Application No.  
21 09/774,547 which was filed January 31, 2001.

22 24. FCS owns all substantial rights, interest, and title in and to the ’810 patent,  
23 including the sole and exclusive right to prosecute this action and enforce said patent  
24 against infringers and to collect damages for all relevant times.

25 25. The claims of the ’810 patent are not directed to an abstract idea and are not  
26 limited to well-understood, routine, or conventional activity. Rather, the claimed  
27 inventions include inventive components that improve upon the function and operation  
28 of logistics and tracking systems.

1       26. The written description of the '810 patent describes in technical detail each  
2 limitation of the claims, allowing a skilled artisan to understand the scope of the claims  
3 and how the non-conventional and non-generic combination of claim limitations is  
4 patently distinct from and improved upon what may have been considered  
5 conventional or generic in the art at the time of the invention.

6       27. FCS or its predecessors-in-interest have satisfied all statutory obligations  
7 required to collect pre-filing damages for the full period allowed by law for  
8 infringement of the '810 patent.

9       28. Defendant has directly infringed and continues to directly infringe the '810  
10 patent by importing, manufacturing, providing, supplying, using, distributing, selling,  
11 or offering to sell the Accused Products.

12       29. Defendant has directly infringed, either literally or under the doctrine of  
13 equivalents, at least claim 1 of the '810 patent. For example, Defendant performed a  
14 method of providing container status information to a user. The method included  
15 attaching an electronic communications unit to a shipping container; generating a  
16 transaction identification code, wherein said transaction identification code is specific  
17 to said shipping container and specific to at least one user transaction; initiating a status  
18 inquiry utilizing said transaction identification code, wherein said user performs said  
19 initiating step; receiving said status inquiry by a ground communications system;  
20 transmitting said status inquiry to said electronic communications unit by said ground  
21 communications system; obtaining a status information response by said electronic  
22 communication unit; transmitting said status information response to said ground  
23 communications system by said electronic communications unit; and forwarding said  
24 status information response to said user by said ground communications system.

25       30. FCS has been damaged as a result of the infringing conduct by Defendant  
26 alleged above. Thus, Defendant is liable to FCS in an amount that compensates it for  
27 such infringements, which by law cannot be less than a reasonable royalty, together  
28 with interest and costs as fixed by this Court under 35 U.S.C. § 284.

**COUNT II: INFRINGEMENT OF U.S. PATENT NO. 7,058,040**

1  
2 31. FCS repeats and re-alleges the allegations in in Paragraphs 1-21 above as  
3 though fully set forth in their entirety.

4 32. The USPTO duly issued U.S. Patent No. 7,058,040 (hereinafter, the “’040  
5 patent”) on June 6, 2006, after full and fair examination of Application No.  
6 09/962,718, which was filed September 21, 2001.

7 33. FCS owns all substantial rights, interest, and title in and to the ’040 patent,  
8 including the sole and exclusive right to prosecute this action and enforce said patent  
9 against infringers and to collect damages for all relevant times.

10 34. The claims of the ’040 patent are not directed to an abstract idea and are not  
11 limited to well-understood, routine, or conventional activity. Rather, the claimed  
12 inventions include inventive components that improve upon the function and operation  
13 of preexisting data transmission methods.

14 35. The written description of the ’040 patent describes in technical detail each  
15 limitation of the claims, allowing a skilled artisan to understand the scope of the claims  
16 and how the non-conventional and non-generic combination of claim limitations is  
17 patently distinct from and improved upon what may have been considered  
18 conventional or generic in the art at the time of the invention.

19 36. FCS or its predecessors-in-interest have satisfied all statutory obligations  
20 required to collect pre-filing damages for the full period allowed by law for  
21 infringement of the ’040 patent.

22 37. Defendant has directly infringed and continues to directly infringe the ’040  
23 patent by importing, manufacturing, providing, supplying, using, distributing, selling,  
24 or offering to sell the Accused Products.

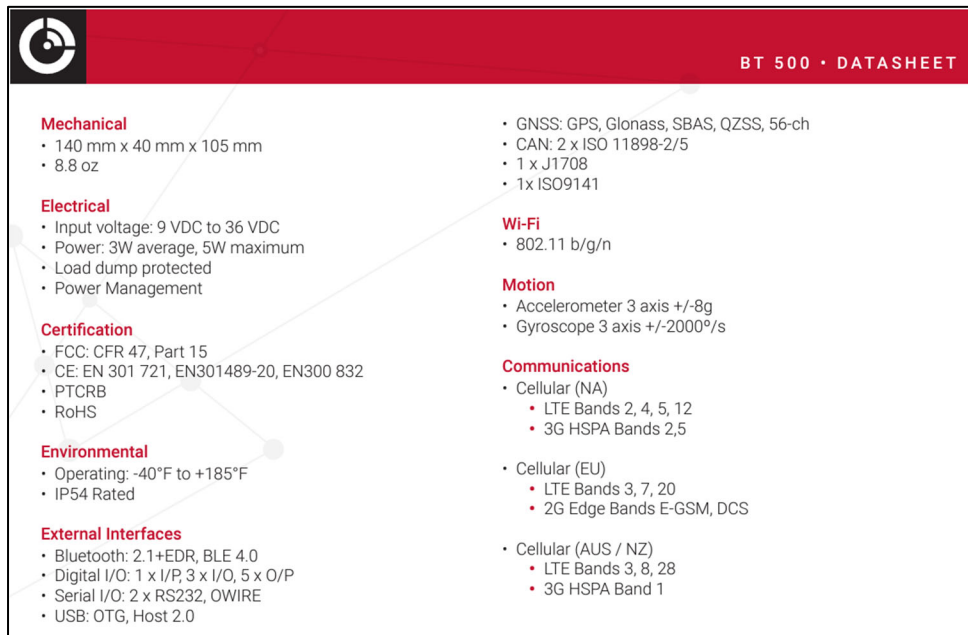
25 38. Defendant has directly infringed and continues to directly infringe, either  
26 literally or under the doctrine of equivalents, at least claim 1 of the ’040 patent. For  
27 example, Defendant, using the Accused Products, performs a method for data  
28 transmission over first and second media that overlap in frequency. The method

1 includes computing one or more time division multiple access (“TDMA”) time-slot  
2 channels to be shared between the first and second media for data transmission;  
3 allocating one or more time-slot channels to the first medium for data transmission;  
4 allocating one or more of the remaining time-slot channels to the second medium for  
5 data transmission; and dynamically adjusting a number of timeslot channels assigned  
6 to one of the first and second media during the data transmission to remain within  
7 limits of a desired level of service.

8 39. More specifically, and as just one example of infringement, Defendant’s  
9 conduct has comprised using the Accused Products to perform a method for data  
10 transmission over first and second media that overlap in frequency because the  
11 Accused Products communicate according to either the 3GPP TS 136.101, et seq. LTE  
12 protocol or the 802.11b and Bluetooth protocols, which involve transmission over first  
13 and second media that overlap in frequency when using the Accused Products. The  
14 Accused Products also communicate according to LTE (*e.g.*, 3 GPP LTE) using  
15 different media, including a first and second media, which overlap in frequency when  
16 using the Accused Products. 3GPP TS 36.211 sets forth a resource grid structure for  
17 allocating transmission resources to 3G LTE systems. According to this two-  
18 dimensional time and frequency grid structure, frequency channels are shared between  
19 different transceivers in time domain, by using time division (“TDM”) slot channels.  
20 A unit time slot spanning a group of subcarriers (*e.g.*, 12 adjacent subcarriers  
21 equivalent to 180KHz frequency) is referred to as a Resource Block (“RB”) or  
22 Physical Resource Block (“PRB”). A resource block (a time and frequency unit) is  
23 the smallest bandwidth or unit of transmission resource that can be allocated to a user  
24 equipment (“UE”) or transceiver. Further, each radio time frame (10ms in case of  
25 LTE) is divided into multiple sub-frames (1ms each), and each such sub-frame  
26 includes two time slots. 3GPP LTE follows OFDMA based multiplexing in resource  
27 allocation. Each media or UE/transceiver is allocated one or more (a group of)  
28 RBs/PRBs for data communication in uplink and/or downlink, *i.e.*, each transceiver is



1 allocated a fixed set of subcarriers over a period of time. A first transceiver  
2 communicates using its allocated frequency subcarriers (first medium), while a second  
3 transceiver uses its allocated subcarriers to communicate (second medium). A first  
4 and second media that are allocated RBs along the same time frame or sub-frame  
5 overlap in frequency. As just one example, the method includes (a) computing one or  
6 more time division multiple access (“TDMA”) time-slot channels to be shared  
7 between the first and second media for data transmission, *e.g.*, 802.15.2-2003 sets forth  
8 the mechanism for Alternating Wireless Medium Access (“AWMA”) to reduce  
9 interference between 802.11 and 802.15 signals. In AWMA, the beacon period of an  
10 802.11b frame is shared between first media (WLAN) and second media (WPAN) for  
11 data transmission; (b) allocating one or more time-slot channels to the first medium  
12 for data transmission, *e.g.*, the Accused Products allocate a time-slot channel (WLAN  
13 interval to the first medium (802.11b) for data transmission); (c) allocating one or more  
14 of the remaining time-slot channels to the second medium for data transmission, *e.g.*,  
15 the Accused Products allocate a time-slot channel (WPAN interval) to the second  
16 medium (802.15) for data transmission; and (d) dynamically adjusting a number of  
17 time-slot channels assigned to one of the first and second media during the data  
18 transmission to remain within limits of a desired level of service, *e.g.*, the 802.11b  
19 beacon frame includes a Medium Sharing Element (“MSE”) that defines the length of  
20 the time-slot channels (WLAN, WPAN, and Guard). The Offset, Length, and Guard  
21 intervals can be dynamically adjusted to modify the number of time-slot channels  
22 assigned to WLAN and WPAN data transmission to remain within limits of a desired  
23 level of service.



See **Exhibit A** at A-2 (ORBCOMM Datasheet for BT 500).

40. Defendant had knowledge of the '040 patent at least as of the date when it was notified of the filing of this action.

41. Defendant has also indirectly infringed and continues to indirectly infringe the '040 patent by inducing others to directly infringe the '040 patent. Defendant has induced and continues to induce customers and end-users, including, but not limited to, Defendant's customers, employees, partners, or contractors, to directly infringe, either literally or under the doctrine of equivalents, the '040 patent by providing or requiring use of the Accused Products. Defendant has taken active steps, directly or through contractual relationships with others, with the specific intent to cause them to use the Accused Products in a manner that infringes one or more claims of the '040 patent, including, for example, claim 1. Such steps by Defendant have included, among other things, advising or directing customers, personnel, contractors, or end-users to use the Accused Products in an infringing manner; advertising and promoting the use of the Accused Products in an infringing manner; or distributing instructions that guide users to use the Accused Products in an infringing manner. Defendant has been performing these steps, which constitute induced infringement with the

1 knowledge of the '040 patent and with the knowledge that the induced acts constitute  
2 infringement. Defendant has been aware that the normal and customary use of the  
3 Accused Products by others would infringe the '040 patent. Defendant's inducement  
4 is ongoing.

5 42. Defendant has also indirectly infringed and continues to indirectly infringe  
6 by contributing to the infringement of the '040 patent. Defendant has contributed and  
7 continues to contribute to the direct infringement of the '040 patent by its customers,  
8 personnel, and contractors. The Accused Products have special features that are  
9 specially designed to be used in an infringing way and that have no substantial uses  
10 other than ones that infringe one or more claims of the '040 patent, including, for  
11 example, claim 1. The special features constitute a material part of the invention of  
12 one or more of the claims of the '040 patent and are not staple articles of commerce  
13 suitable for substantial non-infringing use. Defendant's contributory infringement is  
14 ongoing.

15 43. Furthermore, on information and belief, Defendant has a policy or practice of  
16 not reviewing the patents of others, including instructing its employees to not review  
17 the patents of others, and thus have been willfully blind of FCS's patent rights.

18 44. Defendant's actions are at least objectively reckless as to the risk of infringing  
19 a valid patent and this objective risk was either known or should have been known by  
20 Defendant.

21 45. Defendant's direct infringement of the '040 patent is, has been, and continues  
22 to be willful, intentional, deliberate, or in conscious disregard of FCS's rights under  
23 the patent.

24 46. FCS has been damaged as a result of the infringing conduct by Defendant  
25 alleged above. Thus, Defendant is liable to FCS in an amount that compensates it for  
26 such infringements, which by law cannot be less than a reasonable royalty, together  
27 with interest and costs as fixed by this Court under 35 U.S.C. § 284.  
28

1 47. FCS has suffered irreparable harm, through its loss of market share and  
2 goodwill, for which there is no adequate remedy at law. FCS has and will continue to  
3 suffer this harm by virtue of Defendant's infringement of the '040 patent. Defendant's  
4 actions have interfered with and will interfere with FCS's ability to license technology.  
5 The balance of hardships favors FCS's ability to commercialize its own ideas and  
6 technology. The public interest in allowing FCS to enforce its right to exclude  
7 outweighs other public interests, which supports injunctive relief in this case.

8 **COUNT III: INFRINGEMENT OF U.S. PATENT NO. 7,260,153**

9 48. FCS repeats and re-alleges the allegations in in Paragraphs 1-21 above as  
10 though fully set forth in their entirety.

11 49. The USPTO duly issued U.S. Patent No. 7,260,153 (hereinafter, the "'153  
12 patent") on August 21, 2007, after full and fair examination of Application No.  
13 10/423,447, which was filed April 28, 2003..

14 50. FCS owns all substantial rights, interest, and title in and to the '153 patent,  
15 including the sole and exclusive right to prosecute this action and enforce said patent  
16 against infringers and to collect damages for all relevant times.

17 51. The claims of the '153 patent are not directed to an abstract idea and are not  
18 limited to well-understood, routine, or conventional activity. Rather, the claimed  
19 inventions include inventive components that improve upon the function and operation  
20 of voice and data communications systems.

21 52. The written description of the '153 patent describes in technical detail each  
22 limitation of the claims, allowing a skilled artisan to understand the scope of the claims  
23 and how the non-conventional and non-generic combination of claim limitations is  
24 patently distinct from and improved upon what may have been considered  
25 conventional or generic in the art at the time of the invention.

26 53. FCS or its predecessors-in-interest have satisfied all statutory obligations  
27 required to collect pre-filing damages for the full period allowed by law for  
28 infringement of the '153 patent.

1       54. Defendant has directly infringed and continues to directly infringe the '153  
2 patent by importing, manufacturing, providing, supplying, using, distributing, selling,  
3 or offering to sell the Accused Products.

4       55. Defendant has directly infringed and continues to directly infringe, either  
5 literally or under the doctrine of equivalents, at least claim 1 of the '153 patent. For  
6 example, Defendant, using the Accused Products, performs a method for evaluating a  
7 channel of a multiple-input multiple-output ("MIMO") wireless communication  
8 system allowing two or more communication devices with multiple radiating elements  
9 to transmit parallel data sub-streams which defines a channel matrix metric of cross-  
10 talk signal-to-noise ("SNR") for the subs-streams, estimates the channel matrix metric,  
11 performs a singular value decomposition ("SVD") of the channel matrix metric  
12 estimate to calculate estimated channel singular values, and using the channel matrix  
13 metric and estimated channel singular values to calculate a crosstalk measure for the  
14 sub-streams.

15       56. More specifically, and as just one example of infringement, Defendant's  
16 conduct has comprised using the Accused Products, which are adapted by Defendant  
17 for wireless communications using multiple communication protocols, including LTE  
18 and/or 802.11n. 802.11n implements beamforming in a MIMO system. LTE supports  
19 single and multi-user MIMO transmissions. A MIMO communication system  
20 comprises at least two communication devices (*e.g.*, STA A, STA B, BS and/or UE)  
21 having a plurality of radiating elements (antennas) for the parallel transmission of data  
22 sub-streams. 802.11n implements beamforming that defines a channel matrix metric  
23 ( $H_k$ ) that comprises a predefined function (equation 20-62) of channel matrix singular  
24 values for each of the data sub-streams. MIMO systems utilized within the context of  
25 LTE transmission can define a channel matrix metric that comprises a predefined  
26 function of channel matrix singular values for each of the data sub-streams. Each of  
27 the predefined functions provides a measure of cross-talk SNR ratio for sub-streams.  
28 To implement implicit beamforming, the beamformer obtains an estimated channel

1 matrix. As part of the LTE standards, reporting of channel information further consists  
 2 of a channel quality indicator (“CQI”). To estimate channel singular values, an SVD  
 3 is performed of the baseband-to-baseband channel matrix metric. The SVD comprises  
 4 a left-hand unitary weighting matrix, *e.g.*, BRX,K, a diagonal matrix of said estimated  
 5 channel singular values, and a right-hand unitary weighting matrix ATX,K. Various  
 6 algorithms can be implemented within an LTE MIMO system, including an SVD  
 7 comprising a left-hand unitary weighting matrix, a diagonal matrix of said estimated  
 8 channel singular values, and a right-hand unitary weighting matrix. A cross-talk  
 9 measure (*e.g.*, KA,k) is calculated for each sub-stream k (*e.g.*, sub-band) from the  
 10 channel matrix metric (*e.g.*, HAB,k) and the estimated channel singular values.

BT 500 • DATASHEET	
<p><b>Mechanical</b></p> <ul style="list-style-type: none"> <li>• 140 mm x 40 mm x 105 mm</li> <li>• 8.8 oz</li> </ul> <p><b>Electrical</b></p> <ul style="list-style-type: none"> <li>• Input voltage: 9 VDC to 36 VDC</li> <li>• Power: 3W average, 5W maximum</li> <li>• Load dump protected</li> <li>• Power Management</li> </ul> <p><b>Certification</b></p> <ul style="list-style-type: none"> <li>• FCC: CFR 47, Part 15</li> <li>• CE: EN 301 721, EN301489-20, EN300 832</li> <li>• PTCRB</li> <li>• RoHS</li> </ul> <p><b>Environmental</b></p> <ul style="list-style-type: none"> <li>• Operating: -40°F to +185°F</li> <li>• IP54 Rated</li> </ul> <p><b>External Interfaces</b></p> <ul style="list-style-type: none"> <li>• Bluetooth: 2.1+EDR, BLE 4.0</li> <li>• Digital I/O: 1 x I/P, 3 x I/O, 5 x O/P</li> <li>• Serial I/O: 2 x RS232, OWIRE</li> <li>• USB: OTG, Host 2.0</li> </ul>	<ul style="list-style-type: none"> <li>• GNSS: GPS, Glonass, SBAS, QZSS, 56-ch</li> <li>• CAN: 2 x ISO 11898-2/5</li> <li>• 1 x J1708</li> <li>• 1x ISO9141</li> </ul> <p><b>Wi-Fi</b></p> <ul style="list-style-type: none"> <li>• 802.11 b/g/n</li> </ul> <p><b>Motion</b></p> <ul style="list-style-type: none"> <li>• Accelerometer 3 axis +/-8g</li> <li>• Gyroscope 3 axis +/-2000°/s</li> </ul> <p><b>Communications</b></p> <ul style="list-style-type: none"> <li>• Cellular (NA)               <ul style="list-style-type: none"> <li>• LTE Bands 2, 4, 5, 12</li> <li>• 3G HSPA Bands 2,5</li> </ul> </li> <li>• Cellular (EU)               <ul style="list-style-type: none"> <li>• LTE Bands 3, 7, 20</li> <li>• 2G Edge Bands E-GSM, DCS</li> </ul> </li> <li>• Cellular (AUS / NZ)               <ul style="list-style-type: none"> <li>• LTE Bands 3, 8, 28</li> <li>• 3G HSPA Band 1</li> </ul> </li> </ul>

21 See **Exhibit A** at A-2 (ORBCOMM Datasheet for BT 500).

22  
 23 57. Defendant had knowledge of the '153 patent at least as of the date when it  
 24 was notified of the filing of this action.

25 58. Defendant has also indirectly infringed and continues to indirectly infringe  
 26 the '153 patent by inducing others to directly infringe the '153 patent. Defendant has  
 27 induced and continues to induce customers and end-users, including, but not limited  
 28 to, Defendant's customers, employees, partners, or contractors, to directly infringe,

1 either literally or under the doctrine of equivalents, the '153 patent by providing or  
2 requiring use of the Accused Products. Defendant has taken active steps, directly or  
3 through contractual relationships with others, with the specific intent to cause them to  
4 use the Accused Products in a manner that infringes one or more claims of the '153  
5 patent, including, for example, claim 1. Such steps by Defendant have included,  
6 among other things, advising or directing customers, personnel, contractors, or end-  
7 users to use the Accused Products in an infringing manner; advertising and promoting  
8 the use of the Accused Products in an infringing manner; or distributing instructions  
9 that guide users to use the Accused Products in an infringing manner. Defendant has  
10 been performing these steps, which constitute induced infringement with the  
11 knowledge of the '153 patent and with the knowledge that the induced acts constitute  
12 infringement. Defendant has been aware that the normal and customary use of the  
13 Accused Products by others would infringe the '153 patent. Defendant's inducement  
14 is ongoing.

15 59. Defendant has also indirectly infringed and continues to indirectly infringe  
16 by contributing to the infringement of the '153 patent. Defendant has contributed and  
17 continues to contribute to the direct infringement of the '153 patent by its customers,  
18 personnel, and contractors. The Accused Products have special features that are  
19 specially designed to be used in an infringing way and that have no substantial uses  
20 other than ones that infringe one or more claims of the '153 patent, including, for  
21 example, claim 1. The special features constitute a material part of the invention of  
22 one or more of the claims of the '153 patent and are not staple articles of commerce  
23 suitable for substantial non-infringing use. Defendant's contributory infringement is  
24 ongoing.

25 60. Furthermore, on information and belief, Defendant has a policy or practice of  
26 not reviewing the patents of others, including instructing its employees to not review  
27 the patents of others, and thus have been willfully blind of FCS's patent rights.  
28

1 61. Defendant's actions are at least objectively reckless as to the risk of infringing  
2 a valid patent and this objective risk was either known or should have been known by  
3 Defendant.

4 62. Defendant's direct infringement of the '153 patent is, has been, and continues  
5 to be willful, intentional, deliberate, or in conscious disregard of FCS's rights under  
6 the patent.

7 63. FCS has been damaged as a result of the infringing conduct by Defendant  
8 alleged above. Thus, Defendant is liable to FCS in an amount that compensates it for  
9 such infringements, which by law cannot be less than a reasonable royalty, together  
10 with interest and costs as fixed by this Court under 35 U.S.C. § 284.

11 64. FCS has suffered irreparable harm, through its loss of market share and  
12 goodwill, for which there is no adequate remedy at law. FCS has and will continue to  
13 suffer this harm by virtue of Defendant's infringement of the '153 patent. Defendant's  
14 actions have interfered with and will interfere with FCS's ability to license technology.  
15 The balance of hardships favors FCS's ability to commercialize its own ideas and  
16 technology. The public interest in allowing FCS to enforce its right to exclude  
17 outweighs other public interests, which supports injunctive relief in this case.

18 **COUNT IV: INFRINGEMENT OF U.S. PATENT NO. 7,596,391**

19 65. FCS repeats and re-alleges the allegations in in Paragraphs 1-21 above as  
20 though fully set forth in their entirety.

21 66. The USPTO duly issued U.S. Patent No. 7,596,391 (hereinafter, the "'391  
22 patent") on September 29, 2009, after full and fair examination of Application No.  
23 12/389,252, which was filed February 19, 2009.

24 67. FCS owns all substantial rights, interest, and title in and to the '391 patent,  
25 including the sole and exclusive right to prosecute this action and enforce said patent  
26 against infringers and to collect damages for all relevant times.

27 68. The claims of the '391 patent are not directed to an abstract idea and are not  
28 limited to well-understood, routine, or conventional activity. Rather, the claimed



1 inventions include inventive components that improve upon the function and operation  
2 of preexisting methods and systems for wireless communications between mobile  
3 units and vehicles.

4 69. The written description of the '391 patent describes in technical detail each  
5 limitation of the claims, allowing a skilled artisan to understand the scope of the claims  
6 and how the non-conventional and non-generic combination of claim limitations is  
7 patently distinct from and improved upon what may have been considered  
8 conventional or generic in the art at the time of the invention.

9 70. FCS or its predecessors-in-interest have satisfied all statutory obligations  
10 required to collect pre-filing damages for the full period allowed by law for  
11 infringement of the '391 patent.

12 71. Defendant has directly infringed the '391 patent by importing,  
13 manufacturing, providing, supplying, using, distributing, selling, or offering to sell the  
14 Accused Products.

15 72. Defendant has directly infringed, either literally or under the doctrine of  
16 equivalents, at least claim 1 of the '391 patent. For example, Defendant performed a  
17 method of wireless communication between a mobile unit and a vehicle comprising a  
18 transceiver. The method included receiving a signal by the mobile unit comprising a  
19 microprocessor, the signal transmitted from the vehicle comprising the transceiver, the  
20 signal comprising a security field and a unique identifier; advising that the mobile unit  
21 is within range of the vehicle; determining by the microprocessor if the signal is  
22 authorized, the determining comprising parsing the signal to determine the security  
23 field and the unique identifier; inputting a voice-activated input and/or a manual input  
24 from a user of the mobile unit via an audio-visual interface associated with the mobile  
25 unit, the voice-activated input and/or the manual input is associated with a control  
26 instruction; assembling, by the microprocessor, at least one packet of a communication  
27 comprising the control instruction; transmitting the at least one packet to the vehicle  
28

1 comprising the transceiver; displaying that the control instruction was input by the  
2 user; and storing the communication in a communication log.

3 73. FCS has been damaged as a result of the infringing conduct by Defendant  
4 alleged above. Thus, Defendant is liable to FCS in an amount that compensates it for  
5 such infringements, which by law cannot be less than a reasonable royalty, together  
6 with interest and costs as fixed by this Court under 35 U.S.C. § 284.

7 **COUNT V: INFRINGEMENT OF U.S. PATENT NO. 7,656,845**

8 74. FCS repeats and re-alleges the allegations in in Paragraphs 1-21 above as  
9 though fully set forth in their entirety.

10 75. The USPTO duly issued U.S. Patent No. 7,656,845 (the “’845 patent”) on  
11 February 2, 2010, after full and fair examination of Application No. 11/402,172, which  
12 was filed April 11, 2006. A Certificate of Correction was issued on November 30,  
13 2010.

14 76. FCS owns all substantial rights, interest, and title in and to the ’845 patent,  
15 including the sole and exclusive right to prosecute this action and enforce said patent  
16 against infringers and to collect damages for all relevant times.

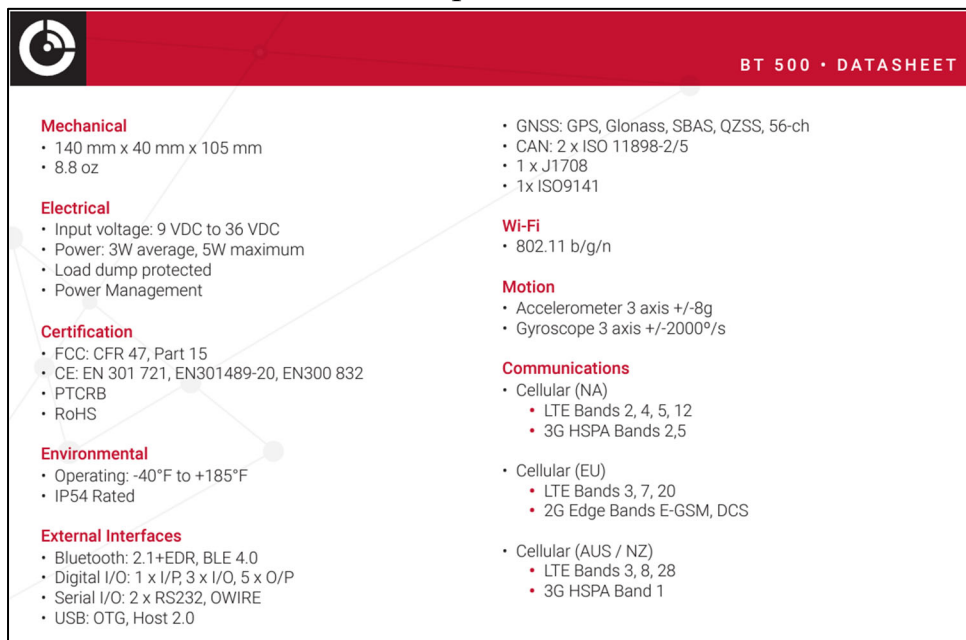
17 77. The claims of the ’845 patent are not directed to an abstract idea and are not  
18 limited to well-understood, routine, or conventional activity. Rather, the claimed  
19 inventions include inventive components that improve upon the function and operation  
20 of preexisting systems and methods of wireless communication with a mobile unit.

21 78. The written description of the ’845 patent describes in technical detail each  
22 limitation of the claims, allowing a skilled artisan to understand the scope of the claims  
23 and how the non-conventional and non-generic combination of claim limitations is  
24 patently distinct from and improved upon what may have been considered  
25 conventional or generic in the art at the time of the invention.

26 79. FCS or its predecessors-in-interest have satisfied all statutory obligations  
27 required to collect pre-filing damages for the full period allowed by law for  
28 infringement of the ’845 patent.

1 80. Defendant has directly infringed and continues to directly infringe the '845  
 2 patent by importing, manufacturing, providing, supplying, using, distributing, selling,  
 3 or offering to sell the Accused Products.

4 81. Defendant has directly infringed and continues to directly infringe, either  
 5 literally or under the doctrine of equivalents, at least claim 12 of the '845 patent. For  
 6 example, the Accused Products used by Defendant provide a system comprising a  
 7 processor, a first transceiver configured to communicate via a first medium, a second  
 8 transceiver configured to communicate via a second medium, wherein at least one of  
 9 the first transceiver and the second transceiver is configured to retry transmission of a  
 10 packet at a lower rate if a prior transmission of the packet is not acknowledged, an  
 11 allocation unit configured to dynamically allocate data channels to one of the first  
 12 medium and the second medium based upon a desired level of service.



23 See **Exhibit A** at A-2 (ORBCOMM Datasheet for BT 500).

24  
 25 82. More specifically, and as just one example of infringement, Defendant's  
 26 conduct has comprised using the Accused Products to allocate at least one of a plurality  
 27 of data channels to a first medium for data transmission via a wireless device and  
 28 allocates at least one remaining data channel of the plurality of data channels to a

1 second medium for data transmission via the wireless device. 3GPP TS 36.211 sets  
2 forth a resource grid structure for a base station, *e.g.*, eNB, for allocating transmission  
3 resources to 3G LTE systems. According to this two-dimensional time and frequency  
4 grid structure, frequency channels are shared between different transceivers in time  
5 domain, by using TDM slot channels. A unit time slot spanning a group of subcarriers  
6 (*e.g.*, 12 adjacent subcarriers equivalent to 180KHz frequency) is referred to as an RB  
7 or PRB. A resource block (a time and frequency unit) is the smallest bandwidth or  
8 unit of transmission resource that a base station can allocate to a transceiver. Further,  
9 each radio time frame (10ms in case of LTE) is divided into multiple sub-frames (1ms  
10 each), and each such sub-frame includes two time slots. 3GPP LTE base stations  
11 follow OFDMA based multiplexing in resource allocation. Each media or transceiver  
12 is allocated one or more (a group of) RBs/PRBs for data communication in uplink  
13 and/or downlink, *i.e.*, each transceiver is allocated a fixed set of subcarriers over a  
14 period of time. A first transceiver communicates using its allocated frequency  
15 subcarriers (first medium), while a second transceiver uses its allocated subcarriers to  
16 communicate (second medium). A first and second media that are allocated RBs along  
17 the same time frame or sub-frame overlap in frequency. More specifically, and as just  
18 one example of infringement, the base station dynamically adjusts, during data  
19 transmission, a number of the data channels assigned to one of the first and second  
20 media to remain within the limits of a desired level of service. 3GPP TS 36.211,  
21 36.212, 36.213, and 36.300 specify that 3GPP LTE base stations (eNBs) implement  
22 resource scheduling and allocation of one or more time slots or PRBs or RBs, *i.e.*, a  
23 group of subcarriers for a predetermined time period, to a first transceiver to use as a  
24 transmission medium (first medium), and the remaining time slots or PRBs or RBs to  
25 a second transceiver to use as a transmission medium (second medium). Further, the  
26 time slot channels allocation is dynamic, and can be dynamically adjusted during the  
27 data transmission based on various criteria, such as data traffic volume, QoS  
28 requirements, etc. to remain within the limits of a desired level of service. 802.15.2-

1 2003 defines a Collaborative Coexistence Mechanism (“allocation unit”) with an  
2 AWMA Medium Free Generation that is configured to dynamically allocate data  
3 channels to one of the 802.11 Device and the 802.15.1 Device based upon a desired  
4 level of service. The Accused Products allocate a time-slot channel (WLAN interval)  
5 to the first medium (802.11b) for data transmission and a different time-slot channel  
6 (WPAN interval) to the second medium (802.15.1). The 802.11b beacon frame  
7 includes a Medium Sharing Element (“MSE”), which defines the length of the time-  
8 slot channels (WLAN, WPAN, and Guard). The Offset, Length, and Guard intervals  
9 can be dynamically adjusted to modify the number of time-slot channels assigned to  
10 WLAN and WPAN data transmission to remain within the limits of a desired level of  
11 service.

12 83. Defendant had knowledge of the ’845 patent at least as of the date when it  
13 was notified of the filing of this action.

14 84. Defendant has also indirectly infringed and continues to indirectly infringe  
15 the ’845 patent by inducing others to directly infringe the ’845 patent. Defendant has  
16 induced and continues to induce customers and end-users, including, but not limited  
17 to, Defendant’s customers, employees, partners, or contractors, to directly infringe,  
18 either literally or under the doctrine of equivalents, the ’845 patent by providing or  
19 requiring use of the Accused Products. Defendant has taken active steps, directly or  
20 through contractual relationships with others, with the specific intent to cause them to  
21 use the Accused Products in a manner that infringes one or more claims of the ’845  
22 patent, including, for example, claim 12. Such steps by Defendant have included,  
23 among other things, advising or directing customers, personnel, contractors, or end-  
24 users to use the Accused Products in an infringing manner; advertising and promoting  
25 the use of the Accused Products in an infringing manner; or distributing instructions  
26 that guide users to use the Accused Products in an infringing manner. Defendant has  
27 been performing these steps, which constitute induced infringement with the  
28 knowledge of the ’845 patent and with the knowledge that the induced acts constitute

1 infringement. Defendant has been aware that the normal and customary use of the  
2 Accused Products by others would infringe the '845 patent. Defendant's inducement  
3 is ongoing.

4 85. Defendant has also indirectly infringed and continues to indirectly infringe  
5 by contributing to the infringement of the '845 patent. Defendant has contributed and  
6 continues to contribute to the direct infringement of the '845 patent by its customers,  
7 personnel, and contractors. The Accused Products have special features that are  
8 specially designed to be used in an infringing way and that have no substantial uses  
9 other than ones that infringe one or more claims of the '845 patent, including, for  
10 example, claim 12. The special features constitute a material part of the invention of  
11 one or more of the claims of the '845 patent and are not staple articles of commerce  
12 suitable for substantial non-infringing use. Defendant's contributory infringement is  
13 ongoing.

14 86. Furthermore, on information and belief, Defendant has a policy or practice of  
15 not reviewing the patents of others, including instructing its employees to not review  
16 the patents of others, and thus have been willfully blind of FCS's patent rights.

17 87. Defendant's actions are at least objectively reckless as to the risk of infringing  
18 a valid patent and this objective risk was either known or should have been known by  
19 Defendant.

20 88. Defendant's direct infringement of the '845 patent is, has been, and continues  
21 to be willful, intentional, deliberate, or in conscious disregard of FCS's rights under  
22 the patent.

23 89. FCS has been damaged as a result of the infringing conduct by Defendant  
24 alleged above. Thus, Defendant is liable to FCS in an amount that compensates it for  
25 such infringements, which by law cannot be less than a reasonable royalty, together  
26 with interest and costs as fixed by this Court under 35 U.S.C. § 284.

27 90. FCS has suffered irreparable harm, through its loss of market share and  
28 goodwill, for which there is no adequate remedy at law. FCS has and will continue to

1 suffer this harm by virtue of Defendant's infringement of the '845 patent. Defendant's  
2 actions have interfered with and will interfere with FCS's ability to license technology.  
3 The balance of hardships favors FCS's ability to commercialize its own ideas and  
4 technology. The public interest in allowing FCS to enforce its right to exclude  
5 outweighs other public interests, which supports injunctive relief in this case.

6 **COUNT VI: INFRINGEMENT OF U.S. PATENT NO. 7,742,388**

7 91. FCS repeats and re-alleges the allegations in t in Paragraphs 1-21 above as  
8 though fully set forth in their entirety.

9 92. The USPTO duly issued U.S. Patent No. 7,742,388 (hereinafter, the "'388  
10 patent") on June 22, 2010, after full and fair examination of Application No.  
11 11/185,665, which was filed July 20, 2005.

12 93. FCS owns all substantial rights, interest, and title in and to the '388 patent,  
13 including the sole and exclusive right to prosecute this action and enforce said patent  
14 against infringers and to collect damages for all relevant times.

15 94. The claims of the '388 patent are not directed to an abstract idea and are not  
16 limited to well-understood, routine, or conventional activity. Rather, the claimed  
17 inventions include inventive components that improve upon the function and operation  
18 of preexisting systems and methods of generating packets in a digital communications  
19 system.

20 95. The written description of the '388 patent describes in technical detail each  
21 limitation of the claims, allowing a skilled artisan to understand the scope of the claims  
22 and how the non-conventional and non-generic combination of claim limitations is  
23 patently distinct from and improved upon what may have been considered  
24 conventional or generic in the art at the time of the invention.

25 96. FCS or its predecessors-in-interest have satisfied all statutory obligations  
26 required to collect pre-filing damages for the full period allowed by law for  
27 infringement of the '388 patent.  
28

1       97. Defendant has directly infringed and continues to directly infringe the '388  
2 patent by importing, manufacturing, providing, supplying, using, distributing, selling,  
3 or offering to sell the Accused Products.

4       98. Defendant has directly infringed and continues to directly infringe, either  
5 literally or under the doctrine of equivalents, at least claim 1 of the '388 patent. For  
6 example, Defendant performs a method including generating a packet with a size  
7 corresponding to a protocol used for a network transmission, wherein the packet  
8 comprises a preamble having a first training symbol and a second training symbol.  
9 The method further includes increasing the size of the packet by adding subcarriers to  
10 the second training symbol of the packet to produce an extended packet, wherein a  
11 quantity of subcarriers of the second training symbol is greater than a quantity of  
12 subcarriers of the first training symbol; and transmitting the extended packet from an  
13 antenna.

14       99. More specifically, and as just one example of infringement, Defendant's  
15 conduct has comprised using the Accused Products, which are adapted for wireless  
16 communications using 80.211n and/or the 3GPP Long Term Evolution cellular  
17 standard ("LTE"). The Accused Products receive the generated packet (or "frame")  
18 with a size ("Tf") corresponding to a protocol (LTE) used for network transmission.  
19 Each packet (or "frame") comprises 10 subframes, each sub frame equals 1ms  
20 duration. Further, each subframe includes two slots each 0.5ms long. An LTE frame  
21 structure (for example frame structure Type 1) is defined using a resource grid that  
22 includes multiple subcarriers and OFDM symbols. The resource grid represents  
23 various subframes/slots that can include multiple signals such as synchronization  
24 signals and reference signals. The synchronization signals PSS and SSS (first training  
25 symbols) are used for time and frequency synchronization steps to identify where the  
26 frame begins and ends. Also, the reference signals/symbols (second training symbols)  
27 are used for the channel estimation. Similarly, the Accused Products generate a packet  
28 (or "frame") with a size ("LENGTH") corresponding to a protocol (*e.g.*, 802.11n) used



1 for network transmission. The packet (or “frame”) comprises a preamble (“PLCP  
 2 Preamble”) having a first training symbol (“Short Training Sequence” or “STS”) in  
 3 HT-STF field and a second training symbol (“Long Training Sequence” or “LTS”) in  
 4 HT-LTF fields. The Accused Products increase the size of the packet by adding  
 5 subcarriers to the second training symbol (“Reference Signal”) to produce an extended  
 6 packet. The quantity of subcarriers of the second training symbol (“Reference  
 7 Signal”) is greater than a quantity of subcarriers of the first training symbol  
 8 (“Synchronization Signals”). Likewise, when utilizing the 802.11 protocols, the  
 9 Accused Products increase the size of the packet by adding subcarriers to the second  
 10 training symbol (“LTS”) to produce an extended packet. The quantity of subcarriers  
 11 of the second training symbol (“LTS”) is greater than a quantity of subcarriers of the  
 12 first training symbol (“STS”). The Accused Products receive the extended packet  
 13 transmitted via network and include antennas for transmitting the extended packet.

BT 500 • DATASHEET	
<p><b>Mechanical</b></p> <ul style="list-style-type: none"> <li>• 140 mm x 40 mm x 105 mm</li> <li>• 8.8 oz</li> </ul>	<ul style="list-style-type: none"> <li>• GNSS: GPS, Glonass, SBAS, QZSS, 56-ch</li> <li>• CAN: 2 x ISO 11898-2/5</li> <li>• 1 x J1708</li> <li>• 1x ISO9141</li> </ul>
<p><b>Electrical</b></p> <ul style="list-style-type: none"> <li>• Input voltage: 9 VDC to 36 VDC</li> <li>• Power: 3W average, 5W maximum</li> <li>• Load dump protected</li> <li>• Power Management</li> </ul>	<p><b>Wi-Fi</b></p> <ul style="list-style-type: none"> <li>• 802.11 b/g/n</li> </ul>
<p><b>Certification</b></p> <ul style="list-style-type: none"> <li>• FCC: CFR 47, Part 15</li> <li>• CE: EN 301 721, EN301489-20, EN300 832</li> <li>• PTCRB</li> <li>• RoHS</li> </ul>	<p><b>Motion</b></p> <ul style="list-style-type: none"> <li>• Accelerometer 3 axis +/-8g</li> <li>• Gyroscope 3 axis +/-2000°/s</li> </ul>
<p><b>Environmental</b></p> <ul style="list-style-type: none"> <li>• Operating: -40°F to +185°F</li> <li>• IP54 Rated</li> </ul>	<p><b>Communications</b></p> <ul style="list-style-type: none"> <li>• Cellular (NA) <ul style="list-style-type: none"> <li>• LTE Bands 2, 4, 5, 12</li> <li>• 3G HSPA Bands 2,5</li> </ul> </li> <li>• Cellular (EU) <ul style="list-style-type: none"> <li>• LTE Bands 3, 7, 20</li> <li>• 2G Edge Bands E-GSM, DCS</li> </ul> </li> <li>• Cellular (AUS / NZ) <ul style="list-style-type: none"> <li>• LTE Bands 3, 8, 28</li> <li>• 3G HSPA Band 1</li> </ul> </li> </ul>
<p><b>External Interfaces</b></p> <ul style="list-style-type: none"> <li>• Bluetooth: 2.1+EDR, BLE 4.0</li> <li>• Digital I/O: 1 x I/P, 3 x I/O, 5 x O/P</li> <li>• Serial I/O: 2 x RS232, OWIRE</li> <li>• USB: OTG, Host 2.0</li> </ul>	

24 See **Exhibit A** at A-2 (ORBCOMM Datasheet for BT 500).

25  
 26 100. Defendant had knowledge of the '388 patent at least as of the date when it  
 27 was notified of the filing of this action.

1 101. Defendant has also indirectly infringed and continues to indirectly infringe  
2 the '388 patent by inducing others to directly infringe the '388 patent. Defendant has  
3 induced and continues to induce customers and end-users, including, but not limited  
4 to, Defendant's customers, employees, partners, or contractors, to directly infringe,  
5 either literally or under the doctrine of equivalents, the '388 patent by providing or  
6 requiring use of the Accused Products. Defendant has taken active steps, directly or  
7 through contractual relationships with others, with the specific intent to cause them to  
8 use the Accused Products in a manner that infringes one or more claims of the '388  
9 patent, including, for example, claim 1. Such steps by Defendant have included,  
10 among other things, advising or directing customers, personnel, contractors, or end-  
11 users to use the Accused Products in an infringing manner; advertising and promoting  
12 the use of the Accused Products in an infringing manner; or distributing instructions  
13 that guide users to use the Accused Products in an infringing manner. Defendant has  
14 been performing these steps, which constitute induced infringement with the  
15 knowledge of the '388 patent and with the knowledge that the induced acts constitute  
16 infringement. Defendant has been aware that the normal and customary use of the  
17 Accused Products by others would infringe the '388 patent. Defendant's inducement  
18 is ongoing.

19 102. Defendant has also indirectly infringed and continues to indirectly infringe  
20 by contributing to the infringement of the '388 patent. Defendant has contributed and  
21 continues to contribute to the direct infringement of the '388 patent by its customers,  
22 personnel, and contractors. The Accused Products have special features that are  
23 specially designed to be used in an infringing way and that have no substantial uses  
24 other than ones that infringe one or more claims of the '388 patent, including, for  
25 example, claim 1. The special features constitute a material part of the invention of  
26 one or more of the claims of the '388 patent and are not staple articles of commerce  
27 suitable for substantial non-infringing use. Defendant's contributory infringement is  
28 ongoing.

1 103. Furthermore, on information and belief, Defendant has a policy or practice of  
2 not reviewing the patents of others, including instructing its employees to not review  
3 the patents of others, and thus have been willfully blind of FCS's patent rights.

4 104. Defendant's actions are at least objectively reckless as to the risk of infringing  
5 a valid patent and this objective risk was either known or should have been known by  
6 Defendant.

7 105. Defendant's direct infringement of the '388 patent is, has been, and continues  
8 to be willful, intentional, deliberate, or in conscious disregard of FCS's rights under  
9 the patent.

10 106. FCS has been damaged as a result of the infringing conduct by Defendant  
11 alleged above. Thus, Defendant is liable to FCS in an amount that compensates it for  
12 such infringements, which by law cannot be less than a reasonable royalty, together  
13 with interest and costs as fixed by this Court under 35 U.S.C. § 284.

14 107. FCS has suffered irreparable harm, through its loss of market share and  
15 goodwill, for which there is no adequate remedy at law. FCS has and will continue to  
16 suffer this harm by virtue of Defendant's infringement of the '388 patent. Defendant's  
17 actions have interfered with and will interfere with FCS's ability to license technology.  
18 The balance of hardships favors FCS's ability to commercialize its own ideas and  
19 technology. The public interest in allowing FCS to enforce its right to exclude  
20 outweighs other public interests, which supports injunctive relief in this case.

21 **JURY DEMAND**

22 108. FCS hereby requests a trial by jury on all issues so triable by right.

23 **PRAYER FOR RELIEF**

24 109. FCS requests that the Court find in its favor and against Defendant, and that  
25 the Court grant FCS the following relief:

- 26 a. Judgment that one or more claims of each of the Asserted Patents has  
27 been infringed, either literally or under the doctrine of equivalents, by  
28 Defendant or others acting in concert therewith;

- 1           b. An award of a reasonable royalty for infringement Asserted Patents;
- 2           c. A permanent injunction enjoining Defendant and its officers, directors,
- 3           agents, servants, affiliates, employees, divisions, branches, subsidiaries,
- 4           parents, and all others acting in concert therewith from infringement of
- 5           the '040 patent, the '153 patent, the '845 patent, and the '388 patent; or,
- 6           in the alternative, an award of a reasonable ongoing royalty for future
- 7           infringement of the Asserted Patents by such entities;
- 8           d. Judgment that Defendant accounts for and pays to FCS all damages to
- 9           and costs incurred by FCS because of Defendant's infringing activities
- 10           and other conduct complained of herein;
- 11           e. Judgment that Defendant's infringements be found willful as to the '968
- 12           patent and that the Court award treble damages for the period of such
- 13           willful infringement pursuant to 35 U.S.C. § 284;
- 14           f. Pre-judgment and post-judgment interest on the damages caused by
- 15           Defendant's infringing activities and other conduct complained of herein;
- 16           g. That this Court declare this an exceptional case and award FCS its
- 17           reasonable attorneys' fees and costs in accordance with 35 U.S.C. § 285;
- 18           and
- 19           h. All other and further relief as the Court may deem just and proper under
- 20           the circumstances.
- 21
- 22
- 23
- 24
- 25
- 26
- 27
- 28

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28

Dated: February 15, 2024

Respectfully submitted,

/s/ Steven W. Ritcheson

Steven W. Ritcheson (SBN 174062)\*  
**INSIGHT, PLC**  
578 Washington Blvd. #503  
Marina del Rey, California 90292  
Telephone: (424) 289-9191  
Email: switcheson@insightplc.com

Travis E. Lynch (SBN 335684)\*  
**ROZIER HARDT MCDONOUGH PLLC**  
659 Auburn Avenue NE, Unit 254  
Atlanta, Georgia 30312  
Telephone: (404) 564-1862  
Email: lynch@rhmtrial.com

*Attorneys For Plaintiff FLEET CONNECT SOLUTIONS LLC*

\* admitted to Central District of California

**List of Exhibits**

A. ORBCOMM Datasheet for BT 500