



PING2020 ADS-B Transceiver

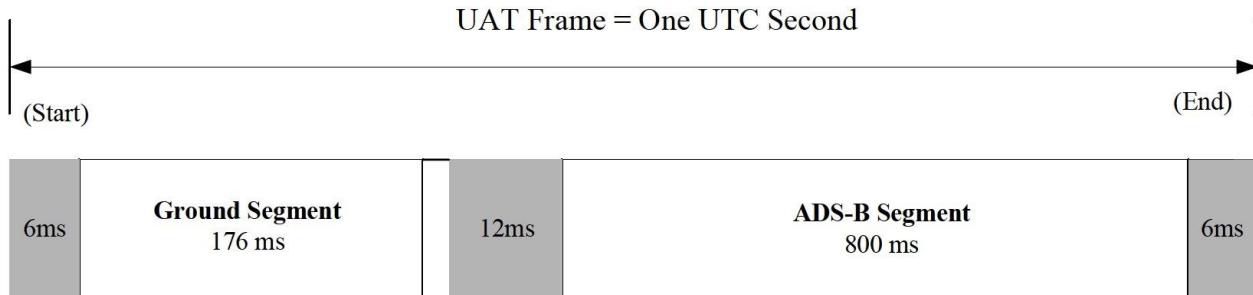
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5/6/2016

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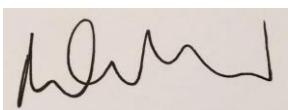
Dear Sir or Madam,

The worst case duty cycle of the ping2020 device model UAT016 is derived from the media access algorithm defined by the RTCA in the DO-282B "Minimum Operational Performance Standards" for the UAT protocol.



In this diagram, the ADS-B Segment is the only segment used for transmission by the ping2020 device. The start period in this segment is randomly assigned according to the UAT media access algorithm and the worst case duty cycle is derived from the last possible transmission time in the ADS-B segment back to back with the earliest possible transmission time in the next ADS-B segment. This gives a minimum period of 200ms between transmissions with the average period being much longer.

Sincerely,



Paul Beard

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