

Spider[®] AT

Source based time average transmitter power

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The Spider AT supports a maximum of 2 transmit timeslots in a GPRS mode of operation which may be used at the networks discretion. In GSM mode of operation the Spider AT uses 1 transmit timeslot. It is not possible to configure the Spider AT to use more than 2 transmit time slots. Therefore a source based time averaging calculation is used to reduce calculated the average transmit power. Since the maximum number of GSM timeslots available in a single burst is 8 and only 2 of these are used the average power would be $2/8$ (1/4) of the measured ERP/EIRP.