

Dear Sir or Madam:

We have confirmed the following parameters for this R.F. product.

GSM 850				
Test channel	Fundamental Frequency	Output Power(dBm)	Average Power(mW)	duty cycle
128	824.2MHz	32.01	794.27	4/8
189	836.4MHz	31.75	748.12	4/8
251	848.8MHz	30.77	596.99	4/8
PCS 1900				
Test channel	Fundamental Frequency	Output Power	Average Power(mW)	duty cycle
512	1850.2	28.00	315.48	4/8
661	1880	27.06	254.08	4/8
810	1909.8	27.18	261.19	4/8

In addition, we confirm the minimum turn/transmit time among all modes is 4 slots/3minutes.

The follows is analyses:

The device is designed to provide two applications, one is continuous tracking and another is position request. Under every applications the location info can be send to one preset number or server or both through SMS or HTTP, this can be set by user refer to user manual section 7.7.

- (1) In continuous tracking mode, Tracker will report position through HTTP to server at the some interval(3min~1440min),the interval can be set by the user. But the setting value should not be less than 3min.
- (2) In position request mode, when the tracker received the request through SMS or CALL, it will start to acquire position through GPS. Once the position is acquired and fixed, it will report the current position through SMS to mobile or through HTTP to server. And the tracker will report the latest position if position fix fails.
- (3)If 2 requests are received nearly at the same time, if the service for the first is not finished, it will skip the second. If the service for the first has finished, it will process the service for the second.
- (4)The incoming request for location may meet or happen with continuous tracking at the same time, system handle incoming request for location for the first priority task, and skip the continuous tracking event.
- (5)In SOS mode, the interval is fixed as 5min refer manual section 8.4.



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(6) The class 12 service support one down four up or one up four down. The number of slots be used is the lesser of what the particular cell supports and the maximum capability of the mobile device. In one GPRS service the network always assigned 1 slot at first and will adjust the slot number according to the data amount within the maximum capability. As the tracker deal with the service one by one and each service may send about 100Bytes data, in most case there will be only one slot up and one slot down working. Only when the user requests the location info frequently one by one, the network may assign more slots to transmit data. The worst case is that 4 slots are used to transmit large quantity data.

So the worst transmit case among all modes is: 4 slots/3 minutes.



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