Technical Reference

UHF Readers -- Frequencies for RFID

To all resellers of AWID's ultra-high-frequency readers – to assure that UHF reader models are sold where they can be used, and to offer special frequency bands when required:

Normal Conditions

All of AWID's UHF access control reader models (with one exception: LR-2200) operate in the 902-928 MHz band for communications between the reader and its credentials (encoded tags and cards). Around the world, many countries use this same band for ISM (Industrial, Scientific, Medical) applications.

Exceptions

Each country makes its own decisions on this matter of frequency allocation. For example, the European Union and Middle East countries may use the 865-868 MHz band for this application. (This is where AWID's LR-2200 long-range reader communicates.) In some countries, the government agency that allocates frequency bands may assign frequencies differently for various industries or user types.

When This Becomes an Issue

Questions have developed in some countries in Central America, and the Caribbean area, and North Africa. AWID wants to be pro-active when we sell readers that were ordered for ultimate use in these and other countries where there may be uncertainty about the correct frequency band.

For UHF Long-Range Readers . . .

Most of these readers are produced with the 902-928 MHz frequency band. They are suitable for installation in the United States, Canada and Mexico, and some other countries.

If you know that the ultimate location of the reader will be another country, please try to learn what range of frequencies is acceptable in that country. If possible, AWID will program the readers with the frequency band that you give us in your Purchase Order.

For UHF uAxcess™ Readers . . .

These readers are available only with the 902-928 MHz frequency band. They can be sold for installation in the United States, Canada and Mexico, and in some other countries. They should not be sold for installation in countries where regulations require a different range of frequencies for these applications.

What AWID Can Do

In your Purchase Order for long-range readers, please give AWID the frequency band for physical access control that is accepted in the country of destination. With your help, we can then open the Sales Order.

If the reseller is not certain about the assigned frequency band, AWID can e-mail a document that contains the most recent collection of assigned frequency bands for specified uses, covering many countries around the globe. AWID's *Technical Support* people can discuss the options with the reseller, so that your Purchase Order contains best available frequency information.

Worst Case

If an AWID model LR-_ reader is rejected by Customs in a country that does not accept the programmed frequency band for physical access control, AWID can issue an RMA to our direct customer for return of the reader to AWID. We may be able to reprogram the reader, for a nominal fee, to make it acceptable in the country of installation. However, our goal is to catch these cases *before* they reach this need.