How to send APRS position reports and messages via JS8Call

JS8Call can be used to send APRS messages and position reports. This is a very useful functionality, as it allows for the sending of APRS messages and position reports in areas without local APRS coverage. This functionality can be used to send emails and SMS messages as well over the APRS network. To use this functionality, messages are sent to the @APRSIS Group using JS8Call. If the messages are received by a station that has APRS reporting enabled, they will be relayed to the APRS network.

Sending Position Reports

To send a position report, send:

@APRSIS GRID YOURGRIDSQUARE

You must use type your square after GRID. Here is an example message for grid square EN54.

@APRSIS GRID EN54

This functionality can send up to a 12-digit Maidenhead grid, though does not need 12 digits to work. Position reports done with JS8Call will also include a signal report which also states which frequency the report was received on.

Sending APRS Messages

APRS Messages can also be sent over JS8Call. Here is how these messages are sent.

@APRSIS CMD :CALLSIGN:MESSAGE {1}

Make sure the CALLSIGN field contains the callsign correctly formatted with the proper amount of spaces for APRS. See the APRS Spec for more information http://www.aprs.org/doc/APRS101.PDF

Here are some example APRS position reports and messages sent over JS8Call:

```
KD9PEV>APJ8CL,qAS,KN4BTI:=4400.00N/09000.00WG#JS8 7.080176MHz -13dB
KD9PEV>APJ8CL,qAS,KO4BJV::KD9PEV :MAKE A JOYFUL NOISE UNTO THE LORD, ALL THE EARTH. {2}
KD9PEV>APJ8CL,qAS,K1TWH::KD9PEV :MERRY CHRISTMAS! GLORIA IN EXCELSIS DEO! {3}
```