

## IC M802 vs IC M802E DSC Modulation difference

Some concerns were raised to by an individual from Australia that had purchased my "Icom IC M802 Starting from Scratch".

The IC M802 identifies the Emergency DSC receiver utilizes modulation type J2B and the IC M802E uses F1B. These modulation types translate into a very different modulation and the concern was that if you had one radio and were in an area where the other radio was used, it would not work.



*I asked Icom, the two defined modulation types are not consistent per their definitions. Is there an issue for someone from Europe coming here or someone from the US going to Europe? The implications would also translate to tankers with cruisers might be near while transiting to the South Pacific etc.*

After several weeks the question has been answered for my "ICOM Technical Support Ticket # C6C8556467" by the Icom Tech Support Manager. He responded as follows:

**"Took us a while to make a ruling on this !! J2B is AFSK while F1B is FSK . Both are compatible and will be decoded by either radio...the 802 or the 802E"**

While I cannot find any correlation with J2B and AFSK, F1B is clearly a form of FSK. The fact that Icom has defined that the two modulation types are compatible, implies that the two radios will work together.

However, if you are in an area where the standard is different, I would suggest you try to do a "DSC Test Message".

I would appreciate knowing the outcome of your test.

Thanks in Advance

Terry