

Frequency Inversion Scrambling Considerations/Limitations



General Note.

In order to achieve reasonable intelligibility of the recovered scrambled/descrambled speech, based on the above examples and listening tests, there are limitations to the range of scrambler mixing frequency that can be used.

Please consider the following recommendations in connection to the CMX7031/CMX7041 Analogue TWR processors:

- The preferred Tx and Rx audio path line-up should be adopted as shown in the datasheet
- The Compand (Tx Compress and Rx Expand) functions should be enabled
- The scrambler inversion mixing frequency should be kept between 2k632Hz and 3k496Hz