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## Digital Sound and Data Broadcast Receiver (DSDB)

(Technology Transferred to Accord Network (I) Pvt. Ltd.)

Digital Sound and Data Broadcast (DSDB) receiver forms an important subsystem in a satellite based Digital Sound Data Broadcast System. The DSDB receiver comprises of a Digital Demodulator, Interface, Audio Decoder and Data Interface. It accepts L band signal from a standard Low Noise Block Down Converter (LNBC), demodulates the signal and provides audio or data at the output. The demodulator can demodulate both BPSK and QPSK signals and is capable of tracking carrier frequency over a wide range. Coherent demodulation is employed to get performance within 1 dB of the theoretical values.

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