

ABSTRACT

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The invention relates to a transmitter-receiver for at least two frequency ranges in which at least one antenna arrangement is provided for each frequency range. For creating a better transmitter-receiver with a simpler separation of different frequency ranges, there is proposed to provide at least one dielectric resonator antenna (DRA) for forming at least one
5 antenna arrangement. Because of its physical properties, a dielectric resonator antenna is only operable in a narrow frequency range around its resonant frequency. Therefore, an antenna arrangement formed by a dielectric resonator antenna has a very narrow band so that a very good separation of different frequency ranges is achieved.