

ABSTRACT**Software defined radio emission/reception radio sub-system with a secondary opportunistic use**

The invention relates to a software defined radio emission/reception sub-system (12) being part of software defined radio equipment (10), including a radio processing chain (18), achieving for emission, the transformation of a digitised signal stemming from a software defined radio application into an electromagnetic signal capable of being conveyed by radio media and conversely, for reception, the transformation of an electromagnetic signal stemming from the radio media into a digitised signal capable of being processed by a software defined radio application, and a software control module (22) capable of driving said radio processing chain (18) while strictly observing primary control requests (RP) from a software defined radio application, also called primary software defined radio application (14). The software defined radio emission/reception radio sub-system (12) is capable of processing secondary requests from at least one other software defined radio application (16) also called secondary software defined radio application, independent of the primary software defined radio application (14).

Fig. 1