

ABSTRACT**Compact antenna structure for satellite telecommunications**

The invention relates to an antenna structure (10) for telecommunications, in particular by satellite, comprising a emitting surface (11Tx) comprising at least one set of a plurality of elementary emitting antennas (12Tx) forming an array, at least one elementary emitting antenna (12Tx) comprising two generally circular patches that are at least partially superimposed, said at least one elementary emitting antenna (12Tx) being dimensioned to emit at least one electromagnetic wave having a frequency comprised between 27 gigahertz and 31 GHz.

Figure 1