

ABSTRACT

REDUCTION OF RECEIVE DATA OF A RADAR, IN PARTICULAR, A SYNTHETIC APERTURE RADAR

The invention relates to a method for the reduction of receive data of a radar having
5 the following steps: receiving a radar echo signal (S10) emanating from a chirp-like
transmit signal; specifying a temporal receive window of the radar echo signal as a
function of an area to be detected by the radar(S12); dividing the radar echo signal into
a plurality of spectral sub-bands (S14); determining of sub-band windows for each
spectral sub-band (S16); activating the sub-band window within the temporal receive
10 window of the radar echo signal as a function of the receive time of the radar echo
signal (S18); and sampling the radar echo signal by a sampling rate which is adjusted
as a function of the number of the sub-band windows active at the respective sampling
instance (S20).

(Fig. 5)