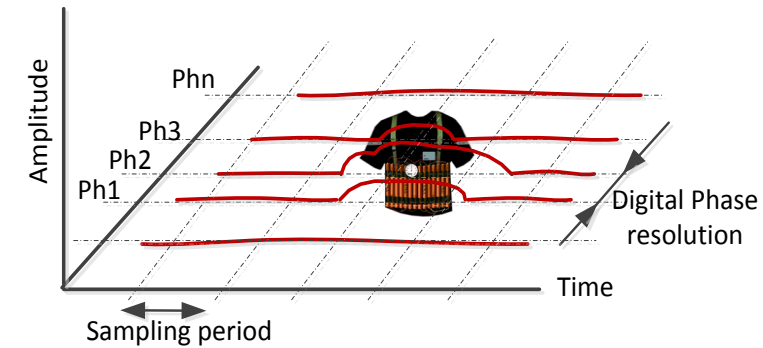
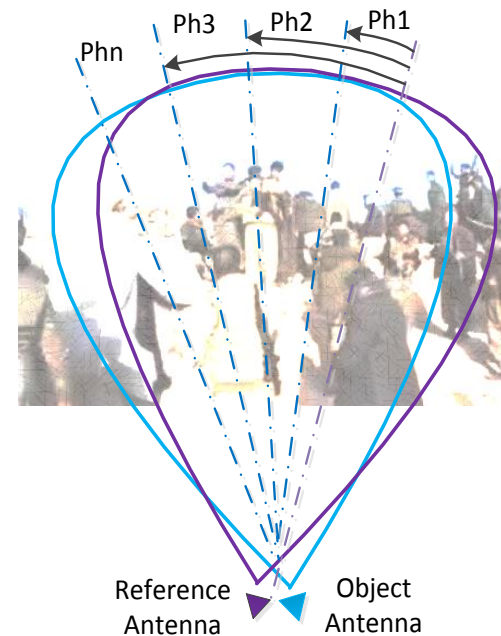
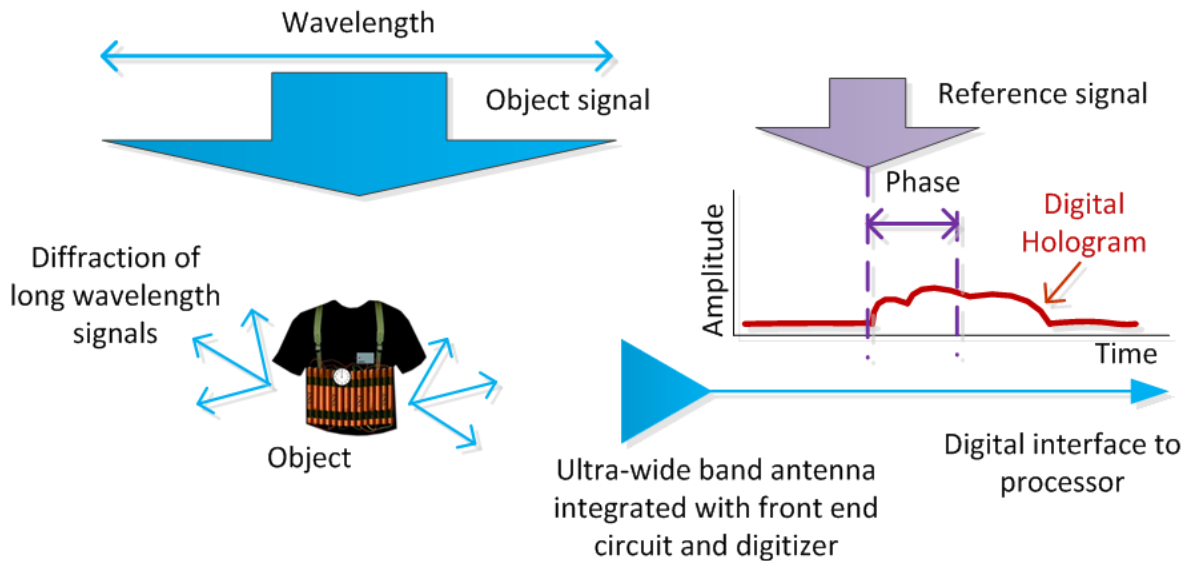
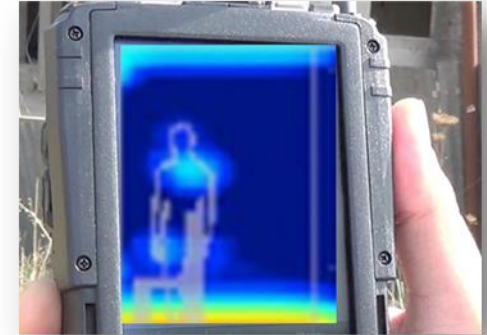


High Resolution RF/Microwave Imaging through Highly Scattered Media



- RF/Microwave signals have good penetrating through **fog, snow, dust, smoke**
- Image **resolution** will be determined by processor and sampling frequency and is **not limited by electromagnetic wave diffraction**



If wavelength is larger than the object size electromagnetic waves are diffracting.

UWB Software Defined Receiver can record real time digital hologram consists amplitude and phase information of most diffracted harmonics.

Information about object shape is contained within the electromagnetic phase front and can be restored from recorded digital hologram.