ABSTRACT

VHF/UHF broadband dual channel antenna

A compact dual-channel antenna operating at least in two frequency bands, characterized in that it comprises at least the following elements:

- a coaxial cable (26) connected to a reference ground (M),
- an antenna element (21) designed to operate in the high-frequency band [F_{sup1}, F_{sup2}], having a length L_{inf},
- a counter-skirt (30) with a length roughly corresponding to L_{inf} and arranged around said antenna element (21), said duly surrounded antenna element (21) being placed between the ground plane (M) and an antenna element (29) designed to operate in the low-frequency band [F_{inf1}, F_{inf2}],
- the assembly (20) having a length L_{sup} designed to operate in the low-frequency band [F_{inf1}, F_{inf2}] and consisting of the antenna element (29) and the counter-skirt (30), is fed via the core (28) of said coaxial (26) surrounding a magnetic element (27a) to form a winding (27b),
- said antenna element (21) being fed via a braid (26a) of the sheath of said coaxial (26).

Figure 2B to be published

162162

G00002