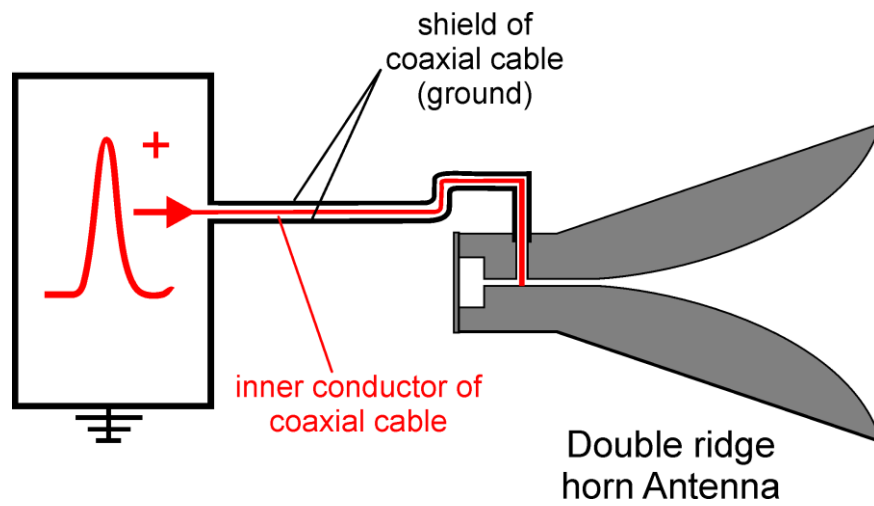
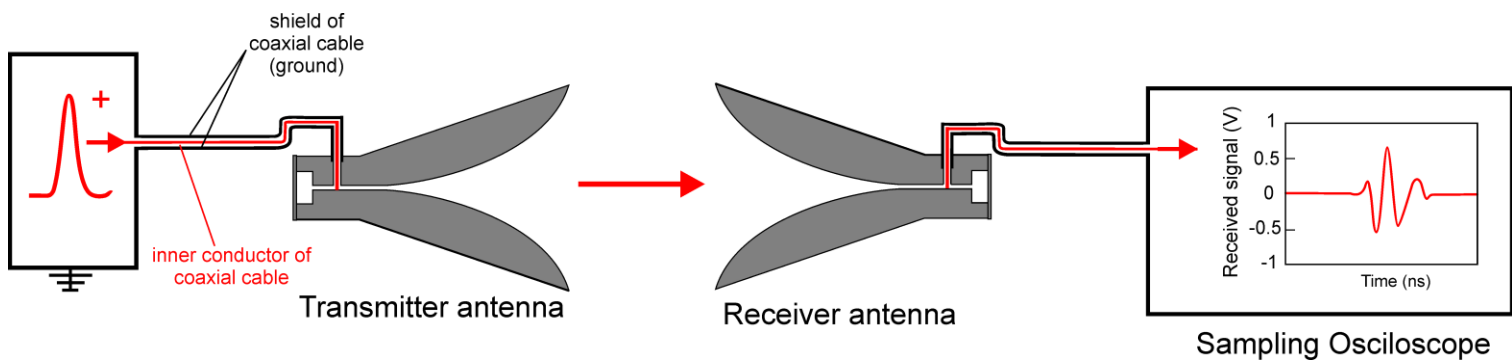


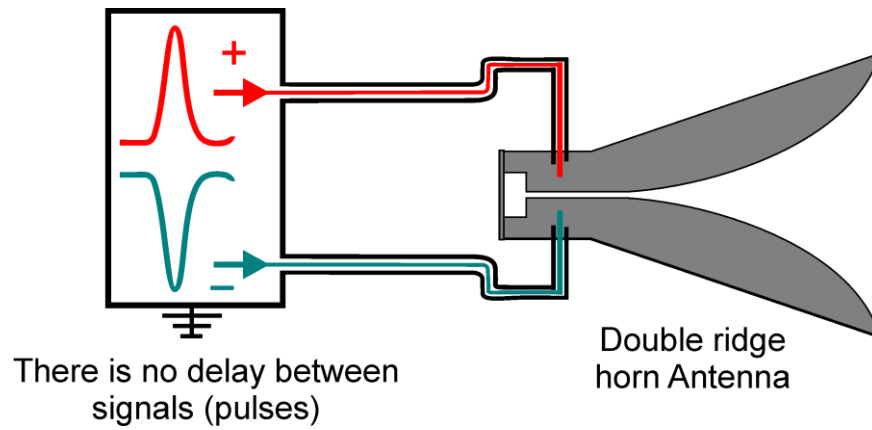
**Figure 1: Feed signals**



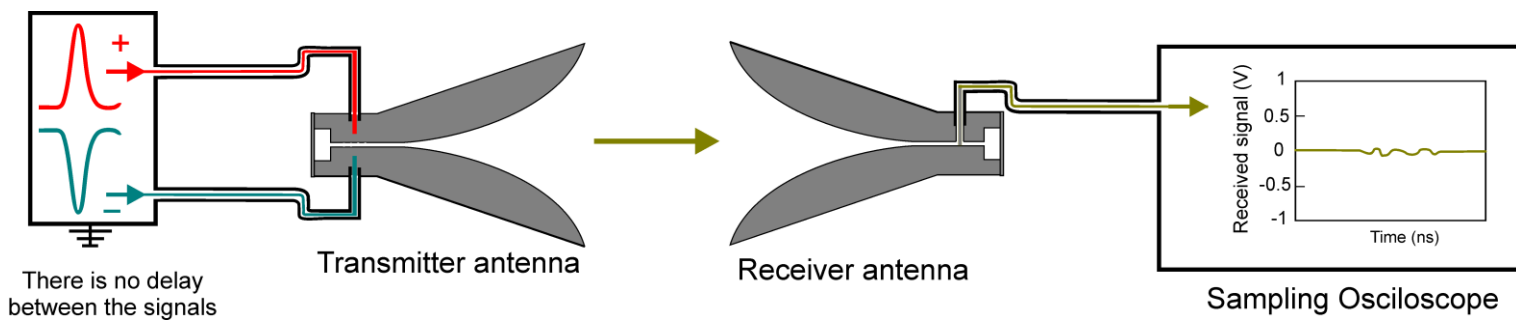
**Fig. 2 Case (1)**



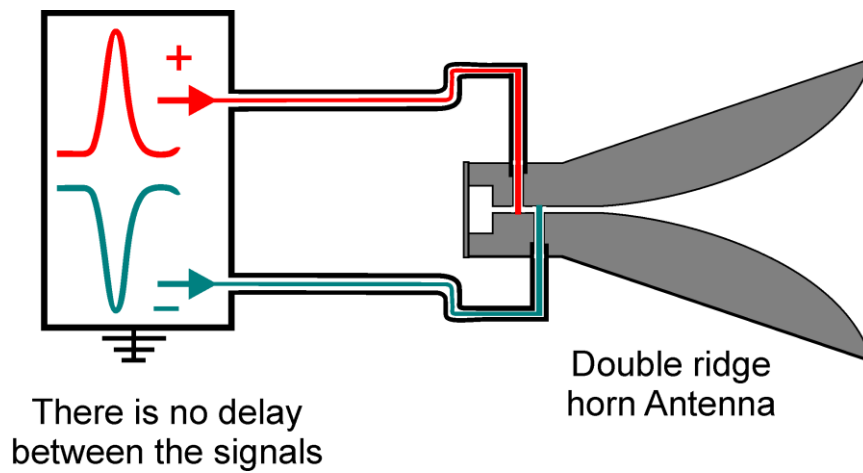
**Fig. 3 Received signal for case (1)**



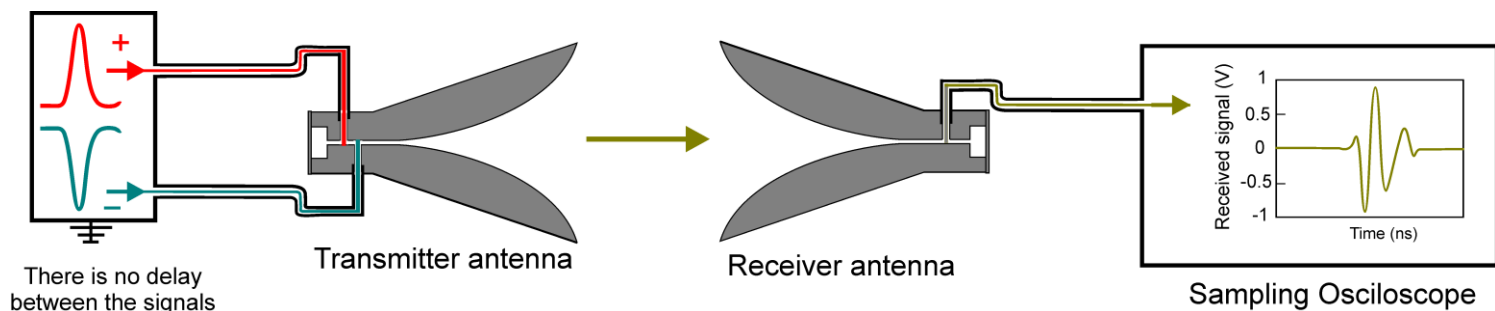
**Fig. 4 Case (2)**



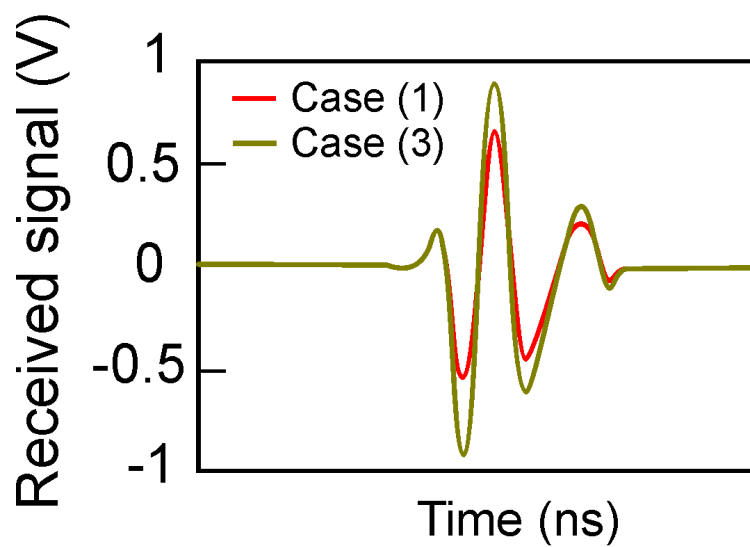
**Fig. 5 Received signal for Case (2)**



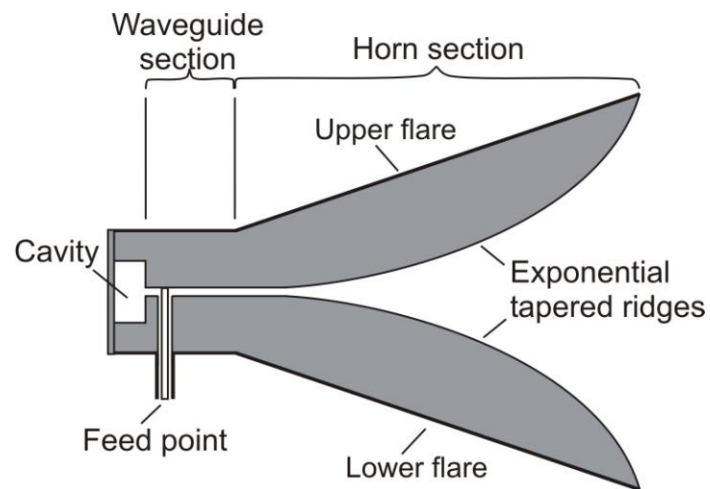
**Fig. 6 Case (3)**



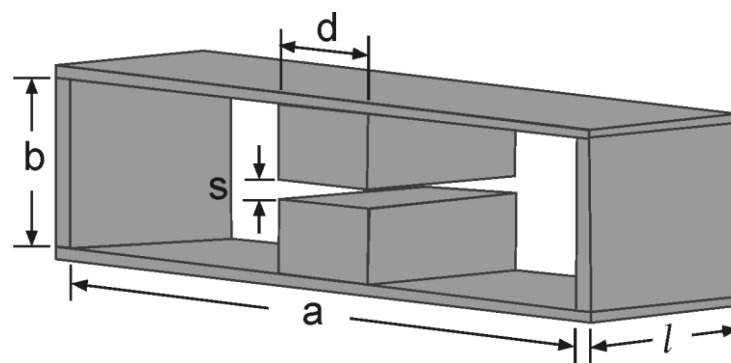
**Fig. 7 Received signal for Case (3)**



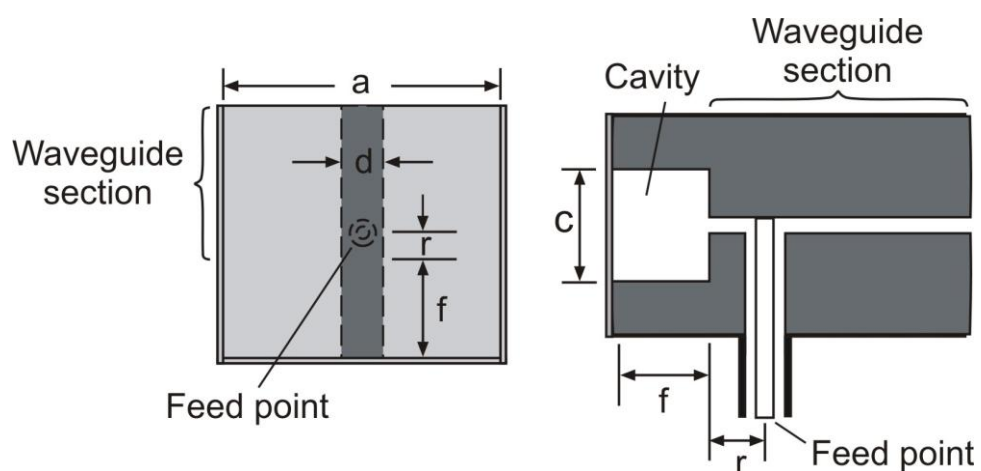
**Fig. 8 Comparison between received signals of case (1) and case (3)**



**(a) Double ridge horn antenna**



**(b) Double ridge rectangular waveguide (waveguide section)**



**(c) Feed point and cavity**