RF Circuit description of Brain

The signal from MPV PIN #23 (location # IC1) is modulated by Variable – Capacitance Diode (location # D2). The modulated signal is transferred to crystal (location # X 101) through C2, L1 and R7

Crystal (location # X101) as the fundamental frequency is oscillated and formed as 48.31MHZ. The frequency of 48.31MHZ is multiplied by the components such as Q3, L3, C7, C8, C9, R12 and VC1.The multiplied frequency is filtered and formed for the frequency of 434.79MHZ by Q4, L5 and C14. The frequency of 434.79MHZ is buffered through the components of Q5, C7, C23 and amplified through the components of Q6, L8, C25 and then transferred to Antenna.

Brain operation description

- The signal occur only under two kinds of the circumstances as stated below

1) In case of receiving a signal from remote

On receiving an order from Remote, Brain operates on the order received and Brain operation is finished after transmitting the result of operation to Remote. That is to say, Brain is not operated until receiving a signal from Remote.

Cf. The kind of the order from remote are such as Door Lock/Unlock Engine start, etc.

2) In case of event happen to vehicle in arm

When event occur, the brain transmit the event signal to Remote and then Brain operation is finished. For example, in case of door open, Brain operates siren and transmit the signal of door opened to remote once.

Cf. The kind of event signal are such as Door open, Hood open, Trunk Open, Engine Start, Rear light.