

Alice Wong

From: "DIAMOND FIELD" <diamondf@ctimail3.com>
To: <alice_wong@hkstc.com>
Sent: Wednesday, August 15, 2001 12:23 PM
Subject: Fw: WALKIE TALKIE WT9177

To: Ms.Alice Wong / HKSTC
Fm : Ricky Tam

Dear Ms.Alice Wong

Thank you for your question of Walkie Talkie model WT9177. Regarding the major question how to prevent modulation over 200KHZ. . We have made a very loud and sharp voice input in front of the microphone when transmitt. The test result is only around 4KHZ for max. modulation, because the internal IFT of microphone have limited the input signal. The transistor Q6 will be got saturation when strong signal come in. Also resistor R25 22K have signal limitation . The circuit already prevent deep modulation to modulate the VD1 variable diode, so we believe that will no chance to exceed 200KHZ modulation.

Of course the voice through the VD1 variable diode and modulate XT1 crystal became FM signal.

If you have any question, please don't hesitate to contact us again!

Best Regards