

TM-D700A has function of receiving 800MHz-band. However, it cannot receive Cellular band because the CPU is programmed not to synchronize frequency band 824-849MHz and 869-894MHz.

For example, in case that it increases the frequency from 823MHz at 5kHz step, it normally becomes 824.000MHz after 823.995MHz, but CPU controls it to become 849.000MHz. Opposite is as same, in case that it decreases the frequency from 849.000MHz, it normally becomes 843.995MHz, but CPU controls it to become 823.995MHz.

CPU of this receiver cannot read program nor make or write program without special developed unit. Therefore, user cannot tamper with CPU.

As for Image receiving, to avoid receiving Cellular band caused with upper heterodyne and lower heterodyne, CPU modifies the construction of frequency.

Examples, when it receives 960.100MHz in lower heterodyne, Intermediate Frequency is 45.05MHz and local oscillation frequency is 915.05MHz. Then, 870.000MHz, which is upper heterodyne against 45.05MHz, can be received. In this case, not to receive Cellular band 870.000MHz frequency, it uses local oscillation frequency of upper heterodyne 1005.15MHz. By changing construction of the frequency like this, Image receiving frequency cannot get into the Cellular band. However, 914-934MHz bands cannot avoid Cellular band with changing the frequency construction, therefore, it takes the method of the CPU program above mentioned for this band.

Even if a user try to modify, it is impossible for user to tamper with CPU.

Because of above-mentioned reason, this device is compliance to Section 15.121.