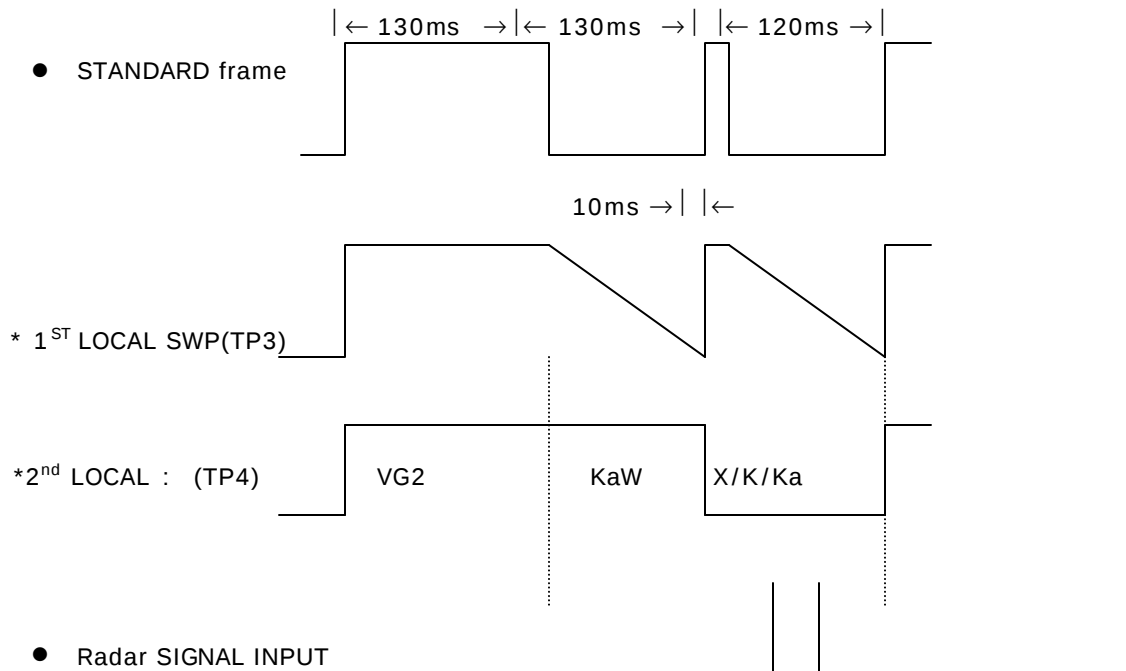


(22-1686 Theory of Operation)

1. SELF TEST.

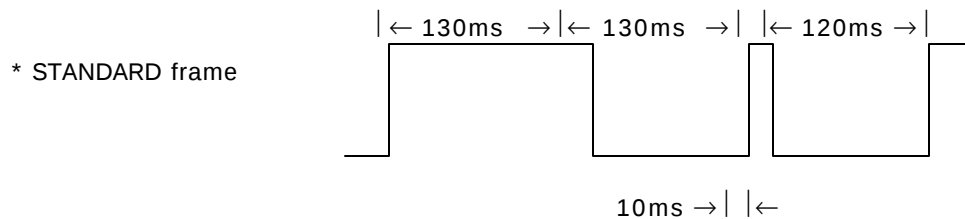
- 1) POWER ON. (DIAL VOLUME)
- 2) DOT MATRIX DISPLAYS.(X → K → KA → LASER → VG2 → SA)
- 3) SOUND TONES.(KEY TONE)
- 4) TIME (2SECONDS)
- 5) VISUAL & AUDIBLE.

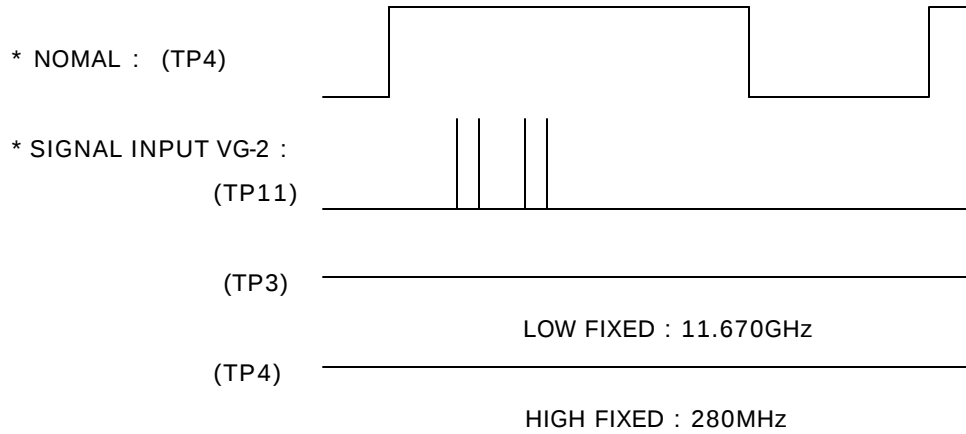
2. STANDARD FRAME (1ST & 2nd local)



- * TC SPEC.
- 4.9 < TC ≤ 14ms (X – BAND)
 - 3.6 ≤ TC ≤ 4.9ms (K – BAND)
 - 2.5 ≤ TC ≤ 3.ms (Ka – BAND)

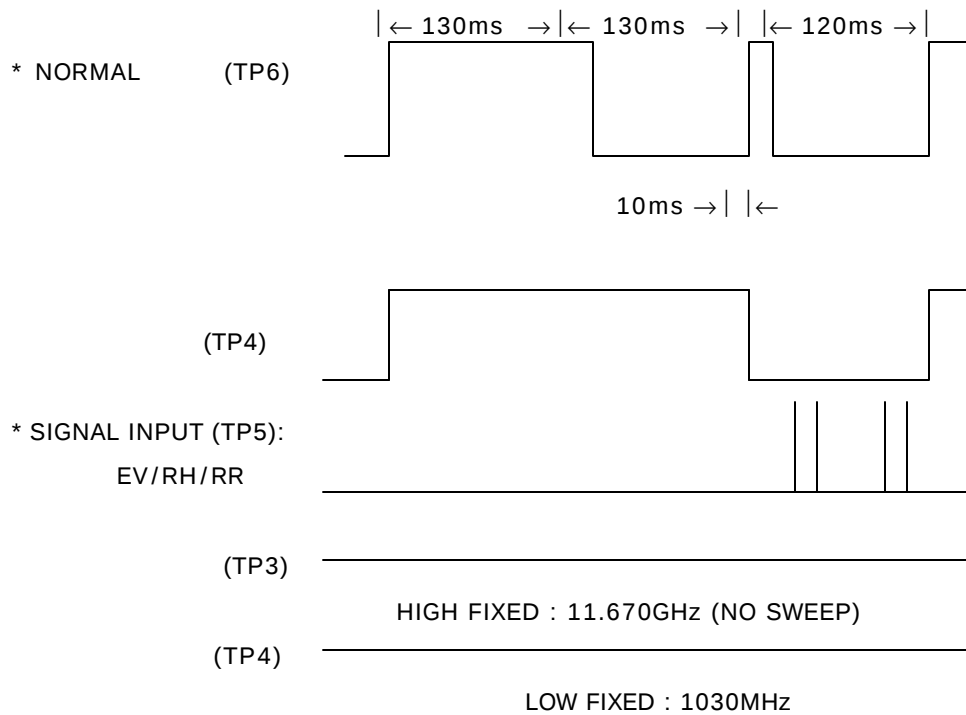
3. VG-2





4. SAFETY ALERT SIGNAL.

- EMERGENCY VEHICLE(EV).
F1 : 24.110GHz
F2 : 24.230GHz
- ROAD HAZARD (RH)
F1 : 24.070GHz
F2 : 24.110GHz
- RAIL ROAD (RR)
F1 : 24.110GHz
F2 : 24.190GHz



5. KEY OPERATION

(A) MUTE KEY(SW1)

Mute : with a received signal present, pressing this button mutes the audio alarm(audio off)

(B) DIM KEY (SW2)

Each push of the button will reduce the illumination level of the led to the next lower preset level, or if the brightness is already set to the lowest level will restore the led illumination to Full Bright.

(C) HWY / City KEY (SW3)

- HWY Mode.
 - “C” LED will be turned off in “HWY” mode.
 - While in Highway Mode the unit actuate normally.
- CITY Mode.
- “C”LED will be turned on in “ CITY” mode.
 - While in City Mode the unit must not actuate an audio alarm for a X-band signal(only)
Unit the signal strength reaches the preset City Mode level(-90dBm/).