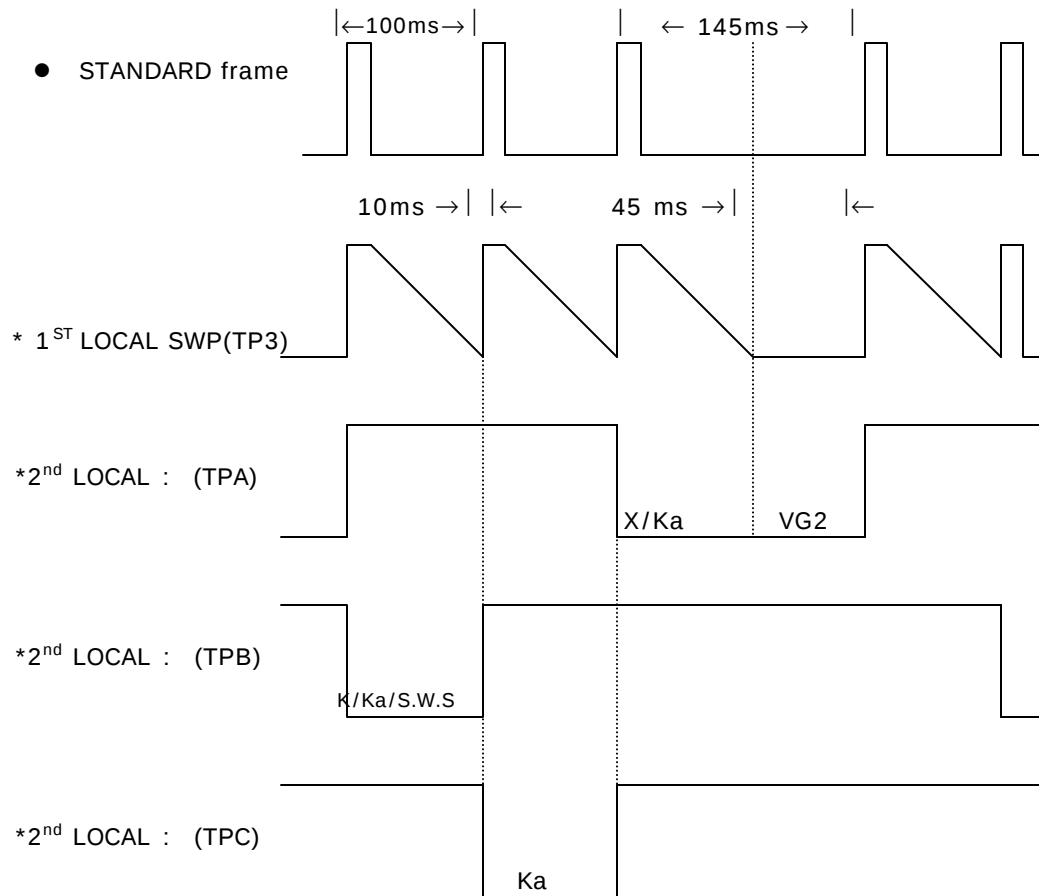


(LRD-937_VSAT Theory of Operation)

1. SELF TEST.

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

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



● Radar SIGNAL INPUT

* 1ST LOCAL SWP(TP3)

*2nd LOCAL : (TPC)

*2nd LOCAL : (TPA)

*2nd LOCAL : (TPB)

* TC SPEC. 3.8 < TC ≤ 7.0ms (X – BAND)
 2.9 ≤ TC ≤ 3.8ms (K – BAND)
 1.8 ≤ TC ≤ 2.8.ms (Ka – BAND)

3. VG-2

● STANDARD frame

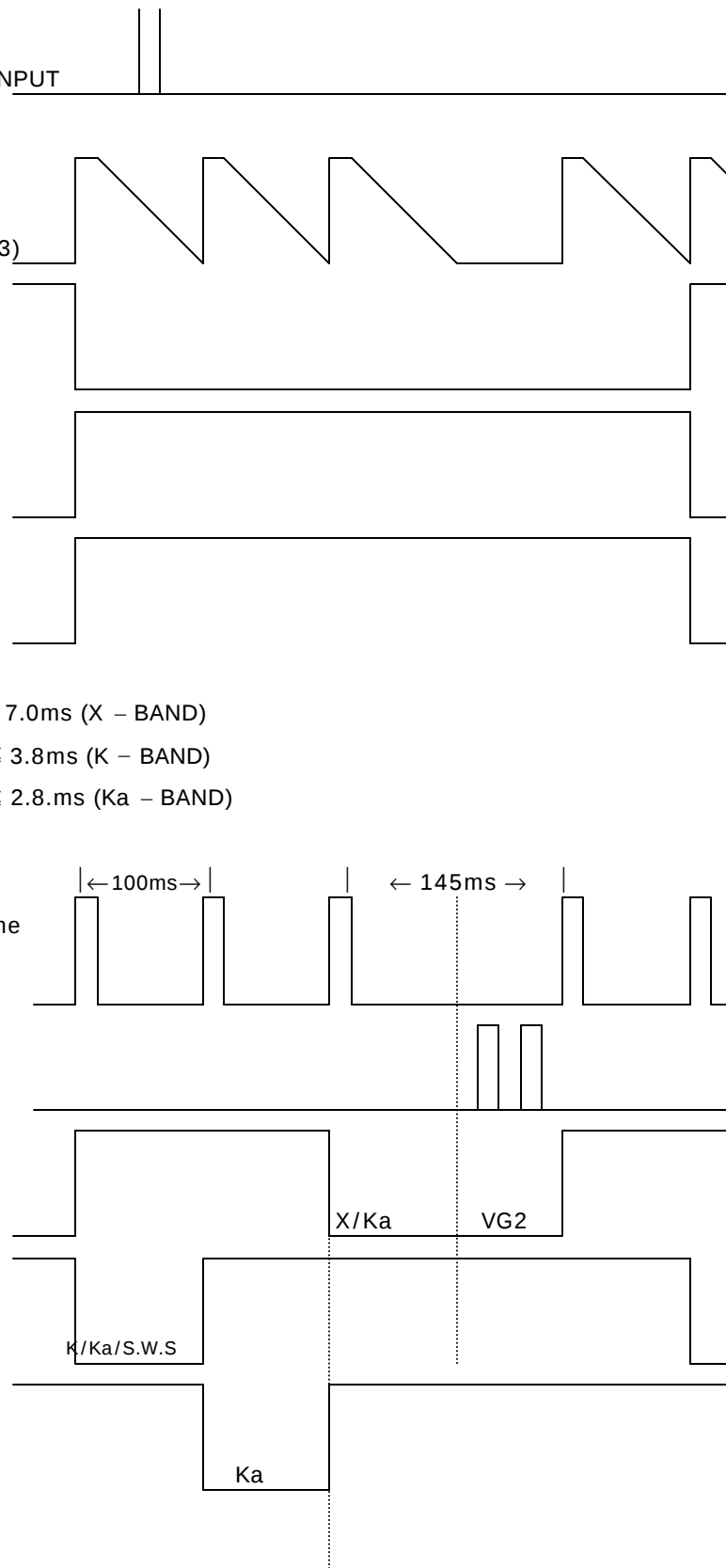
* SIGNAL INPUT VG-2 :

(TP11)

*2nd LOCAL : (TPA)

*2nd LOCAL : (TPB)

*2nd LOCAL : (TPC)



*PUSH : (TP12)



4. KEY OPERATION

(A) HWY / City KEY (SW1)

- 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/).

(B) AUDIO KEY(SW2)

- 1 Push : LED Display is dimmer 50%.
- 1 Push : LED Display off.(POWER, CITY LED is dimmer 50%)
- 1 Push : LED Display Dim off.

(C) MUTE KEY(SW3)

- Audio sound volume – Half Volume.