

Greater China and South Asia Cellular Subscriber Sector

Product Service Preview

DCS STARTAC 90/74/70

Models (90):

- S6691ABB HONG KONG PEOPLE TELEPHONE
- S6692ABB HONG KONG NEW WORLD
- S6693ABB HONG KONG MANDARIN COMM
- S6694ABB HONG KONG HUTCHISON
- S6695ABB HONG KONG PACIFIC LINK
- S6696ABB HONG KONG P PLUS
- S6374ABB SINGAPORE
- S6375ABB THAILAND (Package 1)
- S7192ABB THAILAND (Package 2)
- S6373ABB MALAYSIA
- S7345ABB MALAYSIA (SIM Locked)
- S7120ABB INDONESIA
- S7143ABB TAIWAN

Transceiver (90): SUG1120A

Models (74):

- S7251AAB HONG KONG (Package 1)
- S7324AAB HONG KONG (Package 2)
- S7252AAB TAIWAN

Transceiver (74): SUG1148A

Models (70):

- S7256AAB SINGAPORE
- S7253AAB THAILAND
- S7254AAB INDONESIA
- S7255AAB MALAYSIA

Transceiver (70): SUG1144A

Weight and Volume:

Weight with Slim battery : 125 grams

Volume = 119 cc

Description:

1. The housing and the dimension is same as GSM Startac Except the Antenna is a little shorter than the GSM Startac.
2. DCS StarTAC 90 is black in color while both 74 and 70 charcoal grey in color. Both 90 and 74 have a 4-line graphic B/W LCD display while 70 has a display like that of 8400. Only 90 has the Vibrate Alert.
3. Frequency range : RX - 1805.2 - 1879.8 MHz
TX - 1710.2 - 1784.8 MHz
4. PCB and Components layout are very similar to that on GSM Startac.
5. Same size SIM Card as GSM Startac.
6. Talk time of the Slim Battery is 100 (No DTX) , 120 (DTX) minutes.

Test Equipment :

1. HP8922H

GCSA Quaility and Service Support

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2. HP83220E

3. 46103U: WinGate 22, order HP83220E (Option 18) and add to 46103U for phasing DCS and Dual Band radios.
Existing software, v1.15.76, can phase DCS StarTAC.

Set Up :



Service Tools:

DCS Startac uses the same antenna tool, Screw Driver and the Extension Board as GSM Startac.

TA Label file: It is available.

Circuit Description :

1. Receive IF is 215 MHz
2. RX LO is 430 MHz
3. TX LO is 240 MHz (GSM Startac is 80 MHz)
4. Channel assignment :
 $\text{TX Frequency} = (\text{CH} - 511) * 2 + 1710$
example : Frequency of Ch 579 is $(579-511)*2 + 1710 = 1723.6 \text{ MHz}$
 $\text{RX Frequency} = \text{TX} + 95$

example : Ch 579 TX = 1723.6 , RX = TX + 95
 $= 1723.6 + 95$
 $= 1818.6 \text{ MHz}$

5. Oscillator Crystal Y201 same as GSM Startac is 13 MHz

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6. External Connector (Butt Plug) does not support Audio In/Out. Audio Signal will be converted for in/out via Uplink and Downlink.

* Note : The other is same as GSM Startac ,

Field Service Plan:

Distributors: Spare boards are available.

Motorola HTCs: L1 and L3 parts lists and schematics are available at Error! Bookmark not defined..
Please contact Error! Bookmark not defined. for any inquiries.

Repairability: Same as GSM Startac