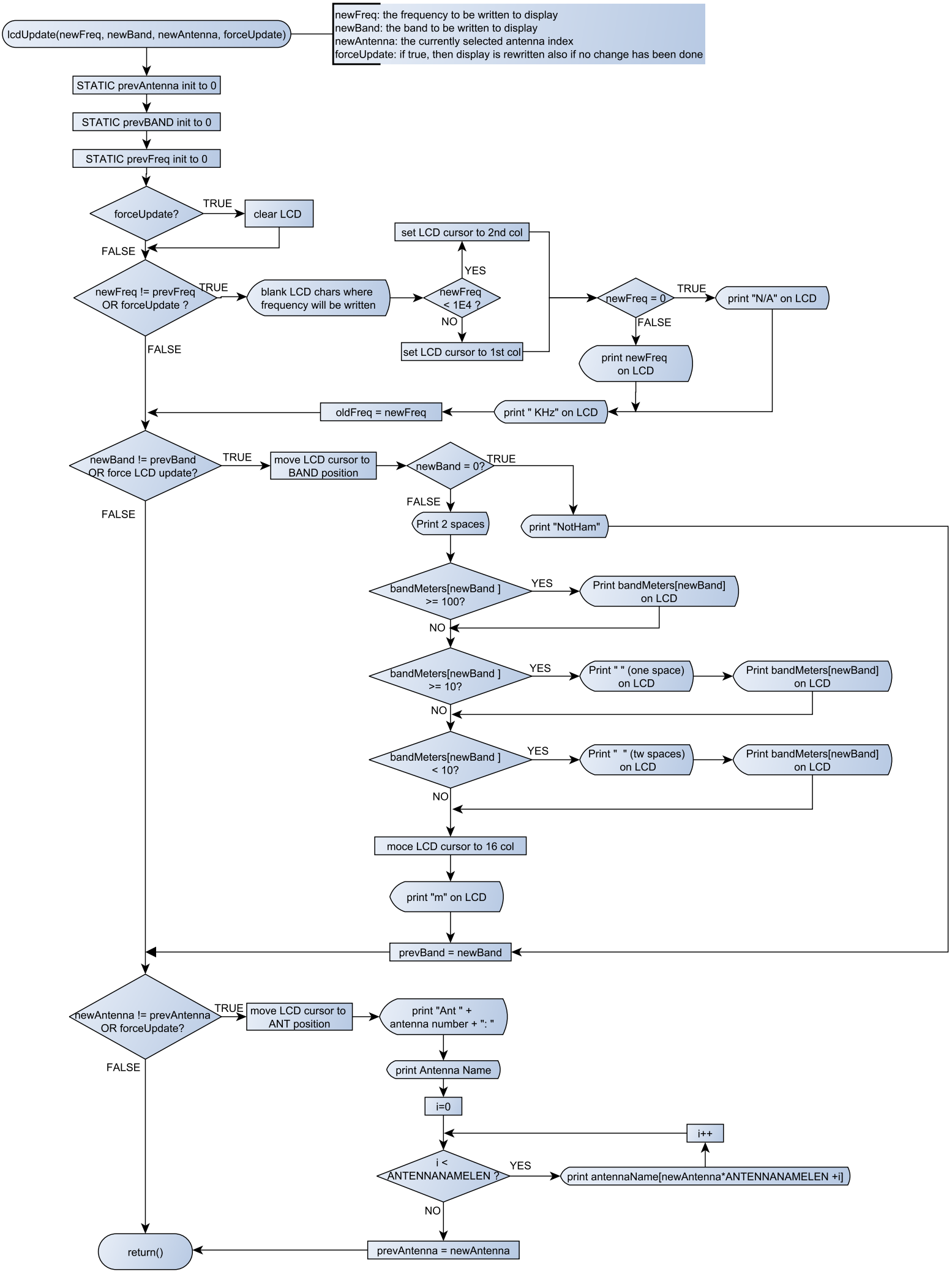
lcdUpdate(newFreq, newBand, newAntenna, forceUpdate)
newFreq: the frequency to be written to display
newBand: the band to be written to display
newAntenna: the currently selected antenna index
forceUpdate: if true, then display is rewritten also if no change has been done
STATIC prevAntenna init to 0
STATIC prevBAND init to 0
STATIC prevFreq init to 0
forceUpdate?
TRUE
clear LCD
FALSE
newFreq != prevFreq OR forceUpdate ?
TRUE
blank LCD chars where frequency will be written
newFreq < 1E4 ?
YES
set LCD cursor to 2nd col
NO
set LCD cursor to 1st col
newFreq = 0
TRUE
print "N/A" on LCD
FALSE
print newFreq on LCD
print " KHz" on LCD
oldFreq = newFreq
FALSE
newBand != prevBand OR force LCD update?
TRUE
move LCD cursor to BAND position
newBand = 0?
TRUE
print "NotHam"
FALSE
Print 2 spaces
FALSE
bandMeters[newBand] >= 100?
YES
Print bandMeters[newBand] on LCD
NO
bandMeters[newBand] >= 10?
YES
Print " " (one space) on LCD
Print bandMeters[newBand] on LCD
NO
bandMeters[newBand] < 10?
YES
Print " " (tw spaces) on LCD
Print bandMeters[newBand] on LCD
NO
moce LCD cursor to 16 col
print "m" on LCD
prevBand = newBand
newAntenna != prevAntenna OR forceUpdate?
TRUE
move LCD cursor to ANT position
print "Ant " + antenna number + ": "
FALSE
print Antenna Name
i=0
i++
i < ANTENNANAMELEN ?
YES
print antennaName[newAntenna*ANTENNANAMELEN +i]
NO
prevAntenna = newAntenna
return()