

1. Copy the B38 configuration in the Cell2 and duplicate it for Cell1



**Management -- Cell Configuration**

AdminState:	<input checked="" type="checkbox"/> Enable	EnbType:	<input type="radio"/> MACRO ENB <input checked="" type="radio"/> HOME ENB
Duplex Mode:	<input type="radio"/> FDD <input checked="" type="radio"/> TDD	TAC:	<input type="text" value="10"/>
SecGWServer:	<input type="text"/>	S1RetryMaxNum:	<input type="text" value="10"/>
S1SigLinkServer:	<input type="text" value="10.155.152.178"/>	S1Status:	Success
AssocStatus:	Active		

CellIdentity:	<input type="text" value="258"/>	OpState:	true
UeNumber:	<input type="text" value="0"/>	VolteUeNumber:	<input type="text" value="0"/>
EARFCNDL:	<input type="text" value="37900"/>	PhyCellID:	<input type="text" value="0..503"/>
EARFCNDLInUse:	<input type="text" value="37900"/>	EARFCNULInUse:	<input type="text" value="37900"/>
FreqBandIndicator:	<input type="text" value="38"/>	PhyCellIDInUse:	<input type="text" value="386"/>
DL Bandwidth:	<input type="text" value="100"/>	UL Bandwidth:	<input type="text" value="100"/>
ReferenceSignalPower:	<input type="text" value="5"/>	PAGain:	<input type="text" value="0"/>
SubFrameAssignment:	<input type="text" value="2"/>	SpecialSubframePatterns:	<input type="text" value="7"/>
AntennaPortsCount:	<input type="radio"/> 1 <input checked="" type="radio"/> 2 <input type="radio"/> 4	RxAntennaPortsCount:	<input type="radio"/> 1 <input checked="" type="radio"/> 2 <input type="radio"/> 4

## 2. Remove Device.Services.FAPService.2.

The screenshot shows the MikroTik Data Model interface. On the left is a navigation sidebar with the following items: Information, Management, Access Control, Data Model, DB export, DB import, **Device**, Internal, and Cndata. The main content area is titled "DataModel -- Device". Below the title, there is a "Root Path:" field containing "Device.", with "search" and "clear" buttons. The interface is split into two panes. The left pane, "DB tree", shows a hierarchical tree structure. The "FAPService" node under "Services" is expanded, and "FAPService.2" is selected. The right pane, "Device.Services.FAPService.{i}.", displays two radio button options: "Device.Services.FAPService.1." (unselected) and "Device.Services.FAPService.2." (selected). Below these options are three buttons: "add", "delete", and "drop".

**MikroTik**

Information  
Management  
Access Control  
Data Model  
DB export  
DB import  
**Device**  
Internal  
Cndata

**DataModel -- Device**

Root Path:

**DB tree**

- Device
  - Services
    - FAPService**
      - FAPService.1
        - Capabilities
        - FAPControl
        - AccessMgmt
        - CellConfig
        - REM
        - Transport
        - X\_C4AD34\_L2Para
        - X\_C4AD34\_X2
        - X\_C4AD34\_HEX0
        - X\_C4AD34\_PTP
        - X\_C4AD34\_RF
        - X\_C4AD34\_TFCS
        - X\_C4AD34\_NISync
        - X\_C4AD34\_Serial
        - X\_C4AD34\_SON
        - X\_C4AD34\_ENBMeas
        - X\_C4AD34\_UE
        - X\_C4AD34\_Status
        - X\_C4AD34\_Private
      - FAPService.2
        - Capabilities

**Device.Services.FAPService.{i}.**

Device.Services.FAPService.1.  
 Device.Services.FAPService.2.

### 3. Change the supported band to 38 for FAPService.1

**MikroTik**

Information  
 Management  
 Access Control  
 Data Model  
 DB export  
 DB import  
**Device**  
 Internal  
 Cndata

**DataModel -- Device**

Root Path:

DB tree	Device.Services.FAPService.1.Capabilities.LTE.		
<ul style="list-style-type: none"> <li>Device               <ul style="list-style-type: none"> <li>Services                   <ul style="list-style-type: none"> <li>FAPService                       <ul style="list-style-type: none"> <li>FAPService.1                           <ul style="list-style-type: none"> <li>Capabilities                               <ul style="list-style-type: none"> <li><b>LTE</b></li> <li>FAPControl</li> <li>AccessMgmt</li> <li>CellConfig</li> <li>REM</li> <li>Transport                                   <ul style="list-style-type: none"> <li>X_C4AD34_L2Para</li> <li>X_C4AD34_X2</li> <li>X_C4AD34_HEX0</li> <li>X_C4AD34_PTP</li> <li>X_C4AD34_RF</li> <li>X_C4AD34_TFCS</li> <li>X_C4AD34_NISync</li> <li>X_C4AD34_Serial</li> <li>X_C4AD34_SON</li> <li>X_C4AD34_ENBMeas</li> <li>X_C4AD34_UE</li> <li>X_C4AD34_Status</li> <li>X_C4AD34_Private</li> </ul> </li> <li>DeviceInfo</li> </ul> </li> </ul> </li> </ul> </li> </ul> </li> </ul> </li> </ul>	DuplexMode	TDDMode -	string
	BandsSupported	<input type="text" value="38"/>	string(16[1:64])
	NNSFSupported	<input type="checkbox"/> Enable	boolean
	X_C4AD34_UMTSRxDuplexMode	FDDMode -	string
	UMTSRxSupported	<input checked="" type="checkbox"/> Enable	boolean
	UMTSRxBandsSupported	<div style="border: 1px solid #ccc; padding: 2px;">           I            II            III            IV            V            VI            VII            VIII            IX            X            XI            XII         </div>	bitmap ctrl+click: deselect
	X_C4AD34_TDSCDMARxSupported	<input checked="" type="checkbox"/> Enable	boolean
	X_C4AD34_TDSCDMARxBandsSupported	<div style="border: 1px solid #ccc; padding: 2px;">           a            b            c            d            e         </div>	bitmap ctrl+click: deselect
	GSMRxSupported	<input checked="" type="checkbox"/> Enable	boolean

## 4. Configure the Cell Configuration for B38



- Information
- Management
- Cell**
- Debug
- Factory
- HeMS
- Network
- Performance
- Security
- Synchronization
- Upgrade
- Access Control
- Data Model

### Management -- Cell Configuration

AdminState:	<input type="checkbox"/> Enable	EnbType:	<input type="radio"/> MACRO ENB <input checked="" type="radio"/> HOME ENB
Duplex Mode:	<input type="radio"/> FDD <input checked="" type="radio"/> TDD	TAC:	<input type="text" value="10"/>
SecGWServer:	<input type="text"/>	S1RetryMaxNum:	<input type="text" value="10"/>
S1SigLinkServer:	<input type="text" value="10.155.152.178"/>	S1Status:	Indeterminate
AssocStatus:	Disabled		

CellIdentity:	<input type="text" value="257"/>	OpState:	false
UeNumber:	<input type="text" value="0"/>	VolteUeNumber:	<input type="text" value="0"/>
EARFCN DL:	<input type="text" value="37900"/>	PhyCellID:	<input type="text" value="0..503"/>
EARFCN DL In Use:	<input type="text" value="38400"/>	EARFCN UL In Use:	<input type="text" value="38400"/>
FreqBandIndicator:	<input type="text" value="38"/>	PhyCellID In Use:	<input type="text" value="452"/>
DL Bandwidth:	<input type="text" value="100"/>	UL Bandwidth:	<input type="text" value="100"/>
ReferenceSignalPower:	<input type="text" value="5"/>	PAGain:	<input type="text" value="0"/>
SubFrameAssignment:	<input type="text" value="2"/>	SpecialSubframePatterns:	<input type="text" value="7"/>
AntennaPortsCount:	<input type="radio"/> 1 <input checked="" type="radio"/> 2 <input type="radio"/> 4	RxAntennaPortsCount:	<input type="radio"/> 1 <input checked="" type="radio"/> 2 <input type="radio"/> 4

## 5. Change the CandidateARFCNList Reboot the device

MikroTik logout from

Information

Management

Access Control

Data Model

DB export

DB import

**Device**

Internal

Cndata

### DataModel -- Device

Root Path:

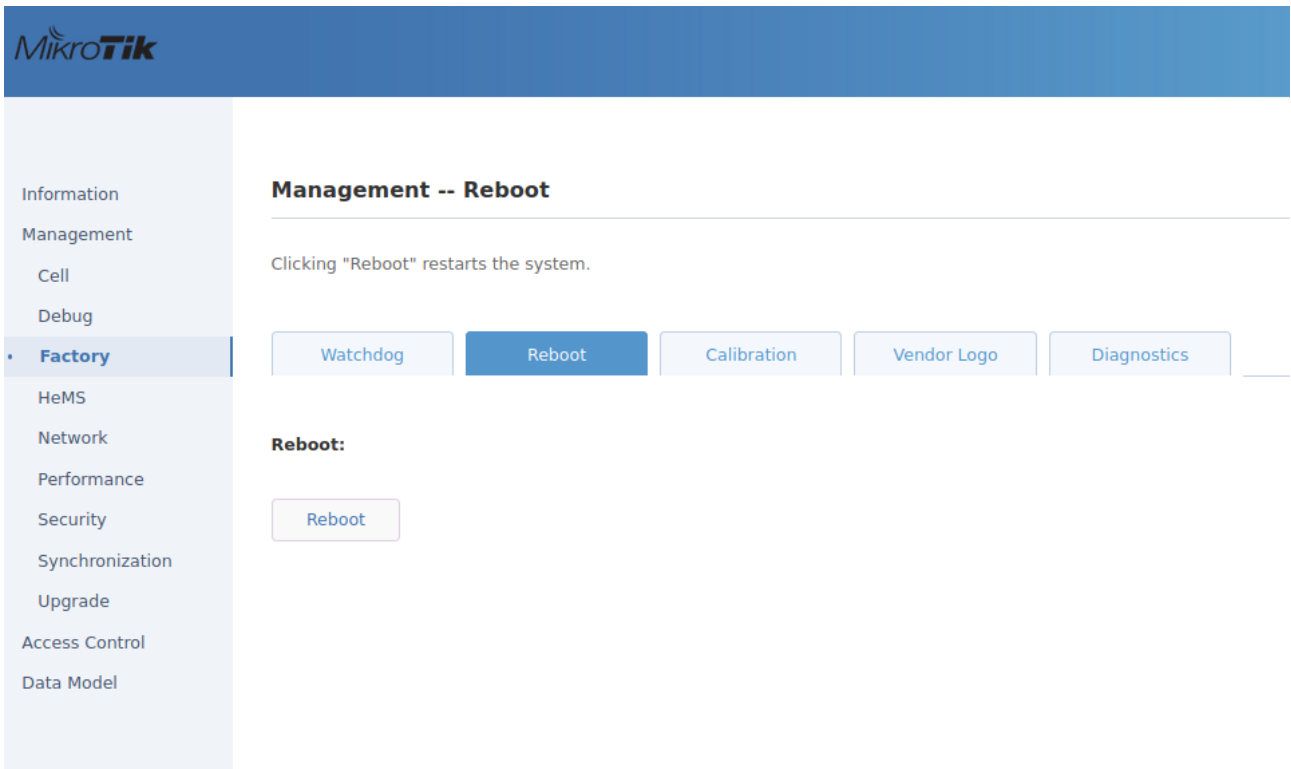
**DB tree**

- ▲ Device
  - ▲ Services
    - ▲ FAPService
      - ▲ FAPService.1
        - Capabilities
        - ▲ FAPControl
          - ▲ LTE
            - ▲ SelfConfig
              - SONConfigParam**
              - Gateway
              - X2IpAddrMapInfo
              - AccessMgmt
              - ▲ CellConfig
                - SysInfoCtrlParam
                - ▲ LTE
                  - Tunnel
                  - EPC
                  - MmePoolConfigParam
                  - S1U
                  - RAN
                  - VoLTE
                  - VoLTEParam
                  - CAParam
                  - X\_C4AD34\_ACCParam
                  - X\_C4AD34\_LBParam

**Device.Services.FAPService.1.FAPControl.LTE.SelfConfig.SONConfigParam.**

|                              |  |                      |
|------------------------------|--|----------------------|
| SONSysMode                   | <input type="text" value="Distributed"/>   | string               |
| SONWorkMode                  | <input type="text" value="Free"/>          | string               |
| X_C4AD34_PCISelfConfigEnable | <input checked="" type="checkbox"/> Enable | boolean              |
| X_C4AD34_PCICollisionAllowed | <input checked="" type="checkbox"/> Enable | boolean              |
| PCIOptEnable                 | <input checked="" type="checkbox"/> Enable | boolean              |
| PCIRReconfigWaitTime         | <input type="text" value="0"/>             | unsignedInt          |
| CandidateARFCNList           | <input type="text" value="37900"/>         | string(64[0:262143]) |
| CandidatePCIList             | <input type="text" value="0..503"/>        | string(512[0:503])   |
| ANREnable                    | <input type="checkbox"/> Enable            | boolean              |
| ANRInterFeqEnable            | <input checked="" type="checkbox"/> Enable | boolean              |
| ANRGERANEnable               | <input checked="" type="checkbox"/> Enable | boolean              |
| ANRUTRANEnable               | <input checked="" type="checkbox"/> Enable | boolean              |
| ARFCNEnable                  | <input checked="" type="checkbox"/> Enable | boolean              |
| MaxLTENeighbourCellNum       | <input type="text" value="32"/>            | unsignedInt          |

## 6. Reboot the device



The screenshot shows the MikroTik web interface for device management. The top navigation bar is blue with the MikroTik logo. A left sidebar contains a menu with categories like Information, Management, Cell, Debug, Factory (highlighted), HeMS, Network, Performance, Security, Synchronization, Upgrade, Access Control, and Data Model. The main content area is titled "Management -- Reboot" and includes a warning: "Clicking 'Reboot' restarts the system." Below this is a row of buttons: Watchdog, Reboot (highlighted in dark blue), Calibration, Vendor Logo, and Diagnostics. A sub-section titled "Reboot:" contains a single "Reboot" button.