

BC66

射频强收/强发 AT 操作流程

模块类型: BC66

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内部使用



1. RF 强发 TX 指令与操作流程

Step1: enter null AT+CFUN=0

Step2: enter CALDEV MODE

AT*MCALDEV=1

Step3: open single tone power

AT*MCAL="NRF",0,21,8,"L7C4700000000017"

//7C470000 :0x0000477C --> 18300 channel

//0017 :0x1700 -->23dBm×256

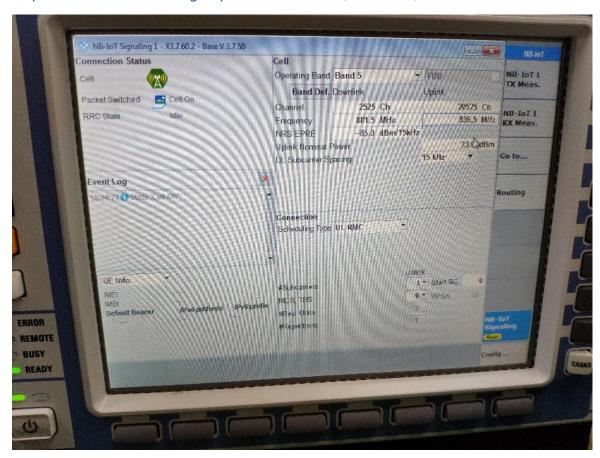
Step4: stop single tone power AT*MCAL="NRF",0,1,1,"L00"

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2. RF 强收 RX 指令与操作流程

Step1: set Instrument cell signal parameter:RX Band, RX earfcn,



Step2: power on UE, use Qcom to config AT COM port, baud rate 115200

Step3: AT+CFUN=0

Step4: AT*MCALDEV=1

Step5: Start Mix Rx

AT*MCAL="NRF",2,4,12,"L050AB4FFDD09000000000000"

//05:band5 ,

// DD09:0x09DD-->2525 channel

Step6: AT*MCAL="NRF",3,5,1,"L01"

Return:



*MCAL:

//0000<mark>0000</mark>0000<mark>0000</mark>0000<mark>0000</mark>0000<mark>0000</mark>0000<mark>0000:</mark> 10 int16 RSRP value

//0000: crcOK cnt

//0000: crcNOK cnt

Step7: reset Mix Rx results AT*MCAL="NRF",3,6,1,"L01"

Step8: Exit Caldev mode

AT*MCALDEV=0

例:

```
[2018-12-20_10:07:22:723]U0: 0000 0001 [0000]
[2018-12-20_10:07:22:723]T0: 0000 00B4
[2018-12-20_10:07:22:723]Leaving the BROM
[2018-12-20_10-07-37-243]
2018-12-20_10:07:37:243JAT+CFUN=0
2018-12-20_10:07:37:293JOK
[2018-12-20_10:08:01:703]OK
[2018-12-20_10:08:53:463]AT+CFUN=0
[2018-12-20_10:08:53:463]ERROR
[2018-12-20_10:09:02:334]AT*MCALDEV=1
[2018-12-20_10:09:02:334]OK
[2018-12-20_10:09:07:504]
[2018-12-20_09:44:06:687] Open COM Port Success
[2018-12-20_09:44:26:627] Open COM Port Success
[2018-12-20_09:44:40:637] Open COM Port Success
                                                                                  [2018-12-20_10:06:02:233] Open COM Port Success
                                      Operation
```

RSSI:

90AD: 0xAD09 -> (AD09-FFFF-1)/256=-82dBm

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