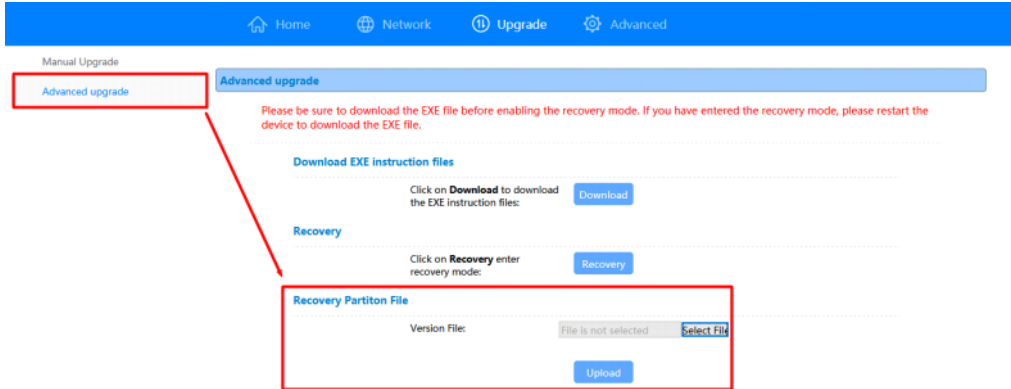
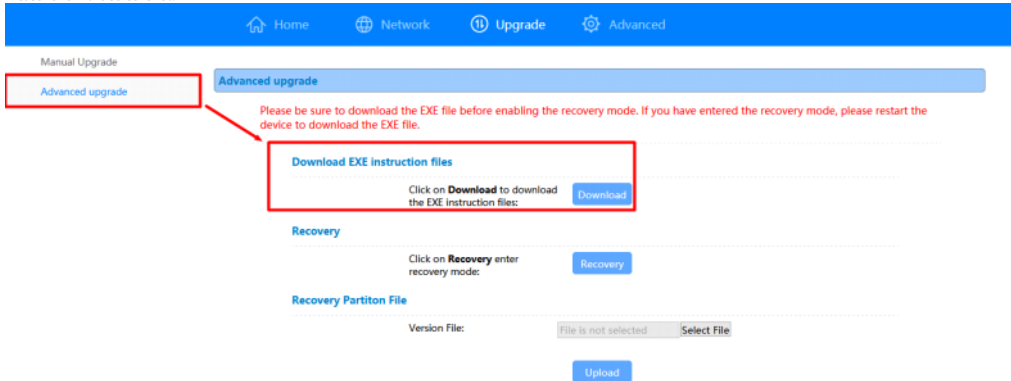


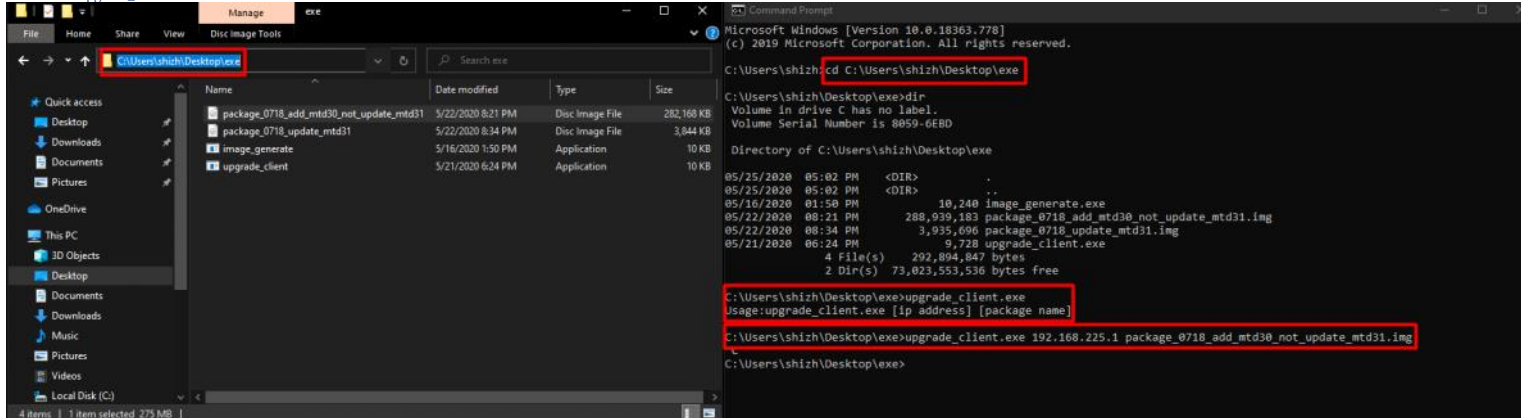
1. Upgrade the RECOVERY & RECOVERYFS partition files through WebGUI to support RGMII in recovery mode.
 - a. The partition ZIP file (recovery.tar.gz) can be found in <https://spms.smawave.com/issues/1111> or \\10.0.10.15\软件版本发布\Qualcomm\FG150\SFO100_V1.0.1-2020-05-23\recovery.tar.gz
 - b. Please follow the screenshot:



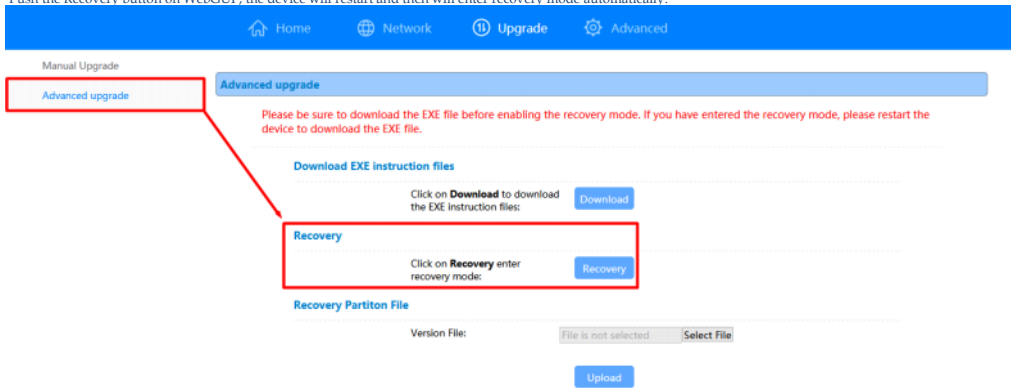
2. After upgrade the RECOVERY & RECOVERYFS partition files, you are capable of transmit Full DOTA through RGMII in recovery mode.
 - a. Please download the tool (upgrade_client.exe) working in WINDOWS environment by which you can transmit Full DOTA file.
 - b. Please follow the screenshot:



3. How to use upgrade_client.exe to transmit the Full FOTA file.



- a. Put the tool and Full FOTA file into a same directory. Using windows command environment and enter the directory.
 - i. For example, as following, I put the tool and Full FOTA file package_0718_add_mtd30_not_update_mtd31.img into the directory C:\Users\shizh\Desktop\exe.
 - ii. Open CMD environment and enter this directory with command: cd C:\Users\shizh\Desktop\exe
- b. The format of using the tool is : upgrade_client.exe [ip address] [package name]
 - i. This command should be used when the device enter recovery mode.
- c. Push the Recovery button on WebGUI, the device will restart and then will enter recovery mode automatically.



- d. ping the gateway IP address (which is 192.168.225.1) and when it can ping through, it means the RGMII is ready to transmit the Full FOTA in recovery mode.

- e. Using the command above to transmit the image file and the device will restart automatically after the transmission is over.
The step & output in CMD environment is like following:

```
Command Prompt
Usage: upgrade_client.exe [ip address] [package name]
C:\Users\shizh\Desktop\exe>upgrade_client.exe 192.168.225.1 package_0718_add_mtd30_not_update_mtd31.img
C:\Users\shizh\Desktop\exe>ping 192.168.225.1 -t

Pinging 192.168.225.1 with 32 bytes of data:
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Request timed out.
Reply from 192.168.225.1: bytes=32 time<1ms TTL=64
Reply from 192.168.225.1: bytes=32 time<1ms TTL=64
Reply from 192.168.225.1: bytes=32 time<1ms TTL=64
Reply from 192.168.225.1: bytes=32 time<1ms TTL=64

Ping statistics for 192.168.225.1:
    Packets: Sent = 8, Received = 4, Lost = 4 (50% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms
Control-C
C:\Users\shizh\Desktop\exe>upgrade_client.exe 192.168.225.1 package_0718_add_mtd30_not_update_mtd31.img
---image name=package_0718_add_mtd30_not_update_mtd31.img
---open image ok---
---send 3536---
sb11.mbn send size=572468
partition_complete_p4K_b256K.mbn send size=16384
cefs.mbn send size=1486848
tz.mbn send size=913408
devcfg.mbn send size=42303
xbl_cfg.elf send size=65724
multi_image.mbn send size=13232
aop.mbn send size=153328
hyp.mbn send size=84416
abl.elf send size=151552
uefi.elf send size=1191936
sdxpriarie-boot.img send size=11859968
NON-HLOS.ubi send size=71827456
NON-HLOS.ubi send size=71827456
oeminfo.bin send size=4896
sec.elf send size=12368
sdxpriarie-sysfs.ubi send size=62390272
sdxpriarie-sysfs.ubi send size=62390272
sdxpriarie-usrfs.ubi send size=3932160
---Client send over-----
C:\Users\shizh\Desktop\exe>
```