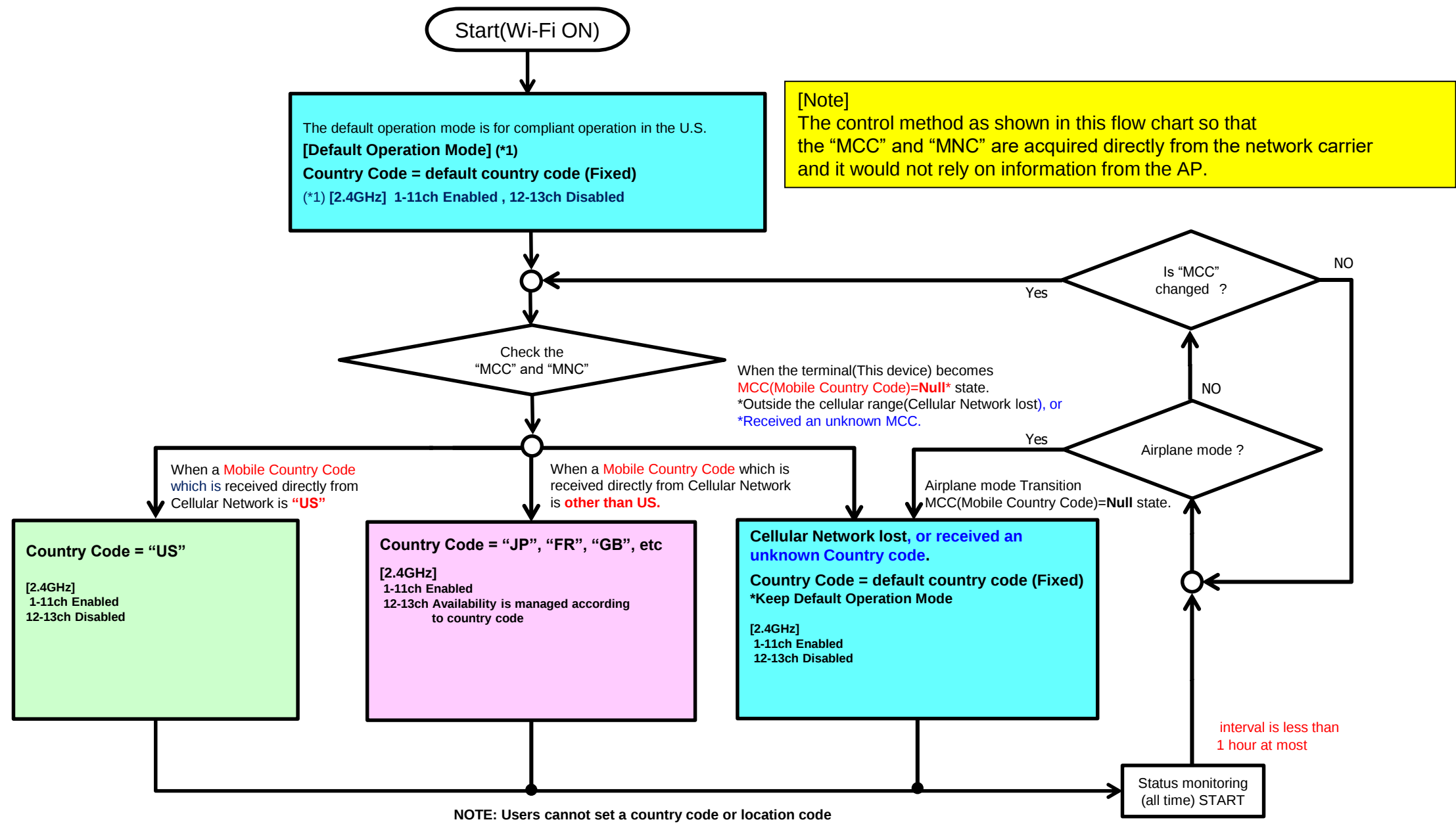


Verification report of control algorithm
is accordance with KDB594280

FCC ID : APYHRO00294

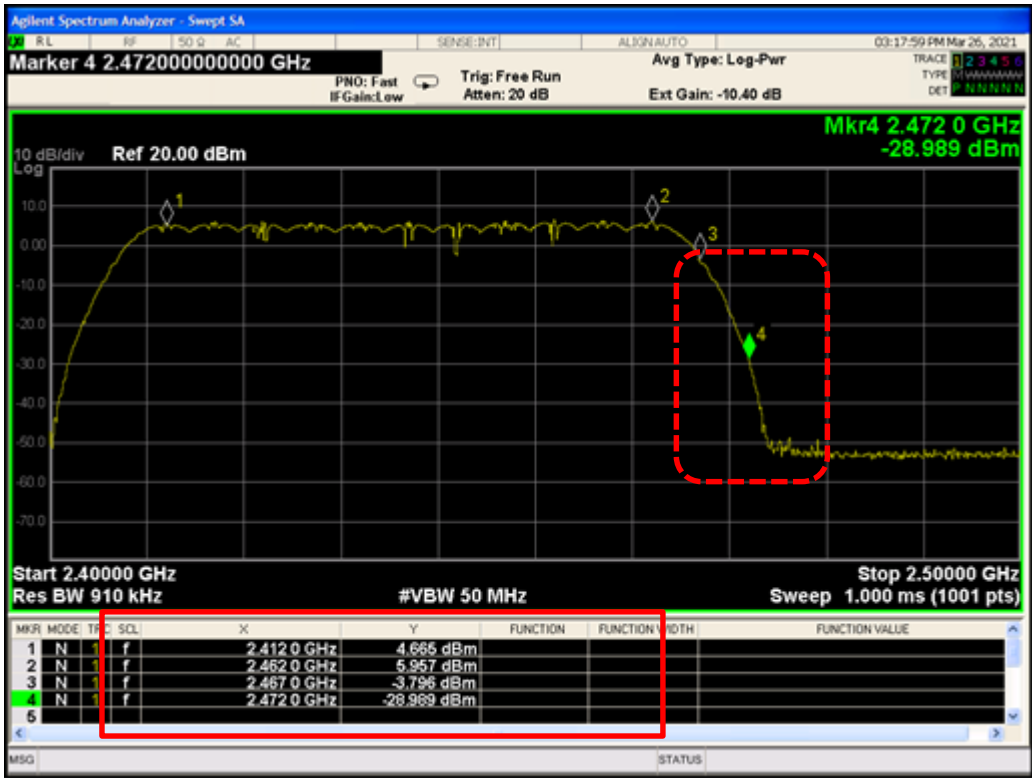
Date : 2021 March-31th

◆Channel Control Algorithm Flowchart

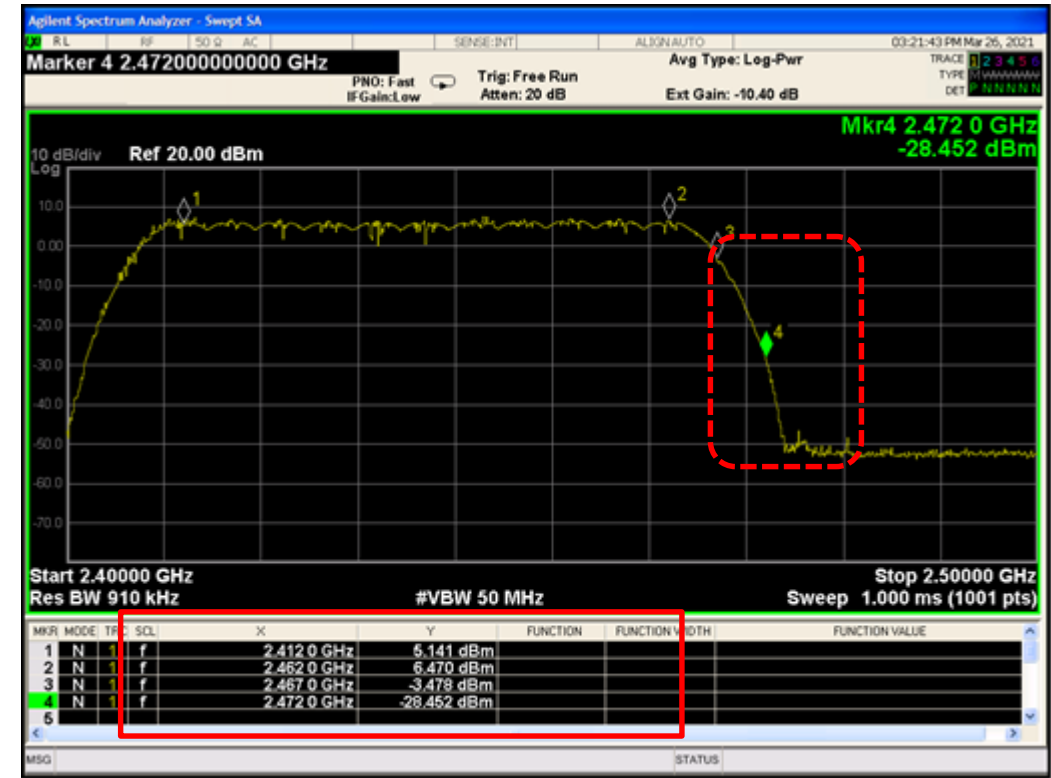


◆Scan Waveform on 2.4GHz(Country Code=default country code, US)

[CC=default country code]



[CC="US"]

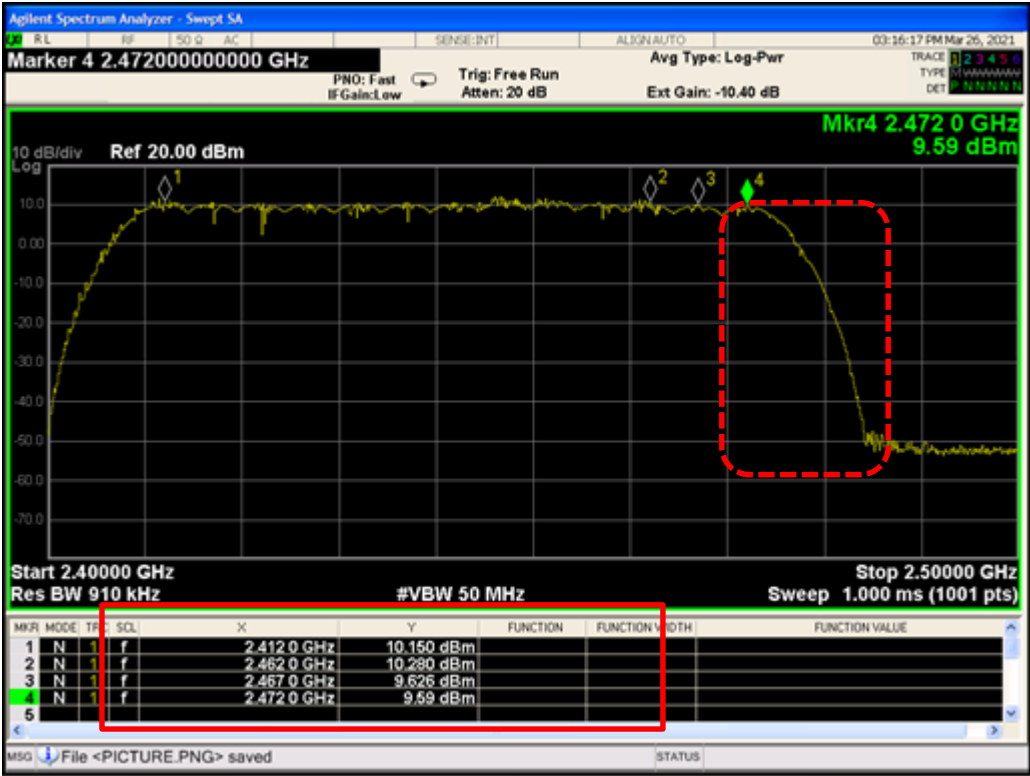


1-11ch = Enabled
12-13ch = Disabled
⇒ Operation Check Result = OK

1-11ch = Enabled
12-13ch = Disabled
⇒ Operation Check Result = OK

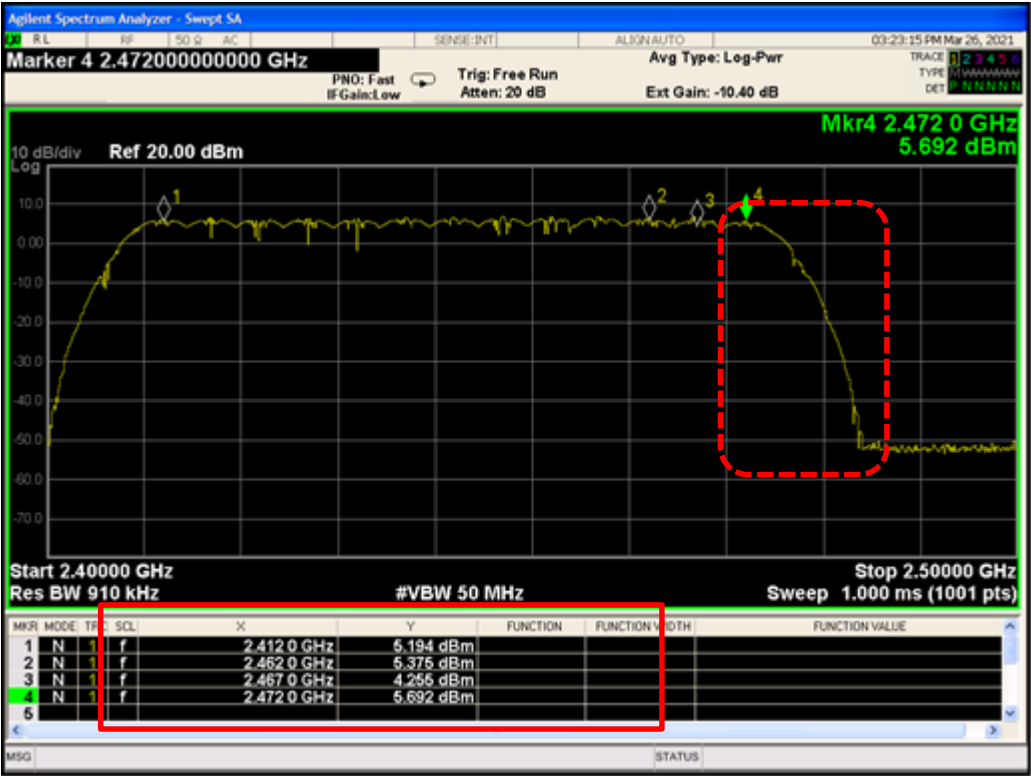
◆Scan Waveform on 2.4GHz(Country Code=JP, FR)

[CC="JP"]



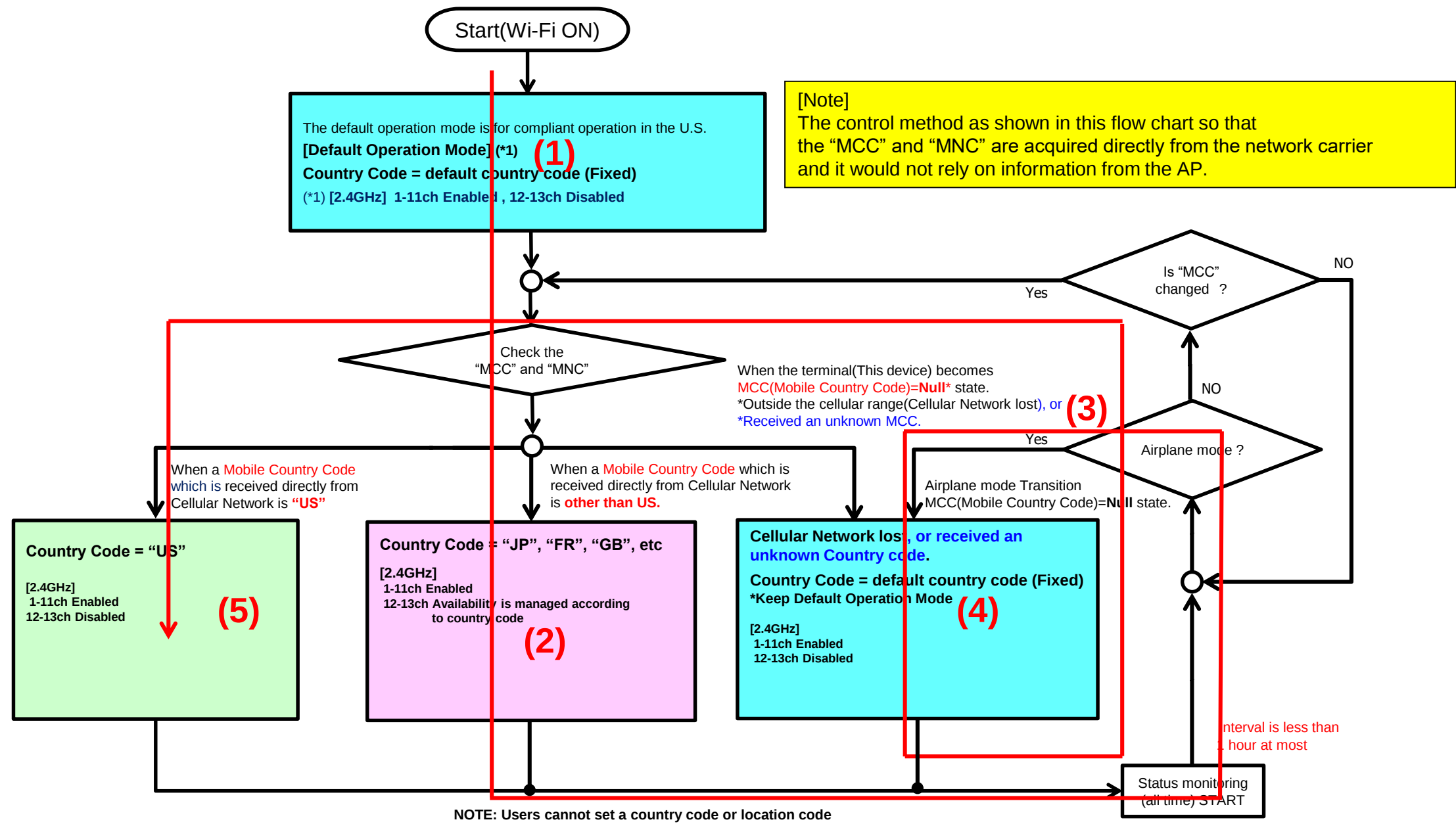
1-13ch = Enabled
⇒ Operation Check Result = OK

[CC="FR"]



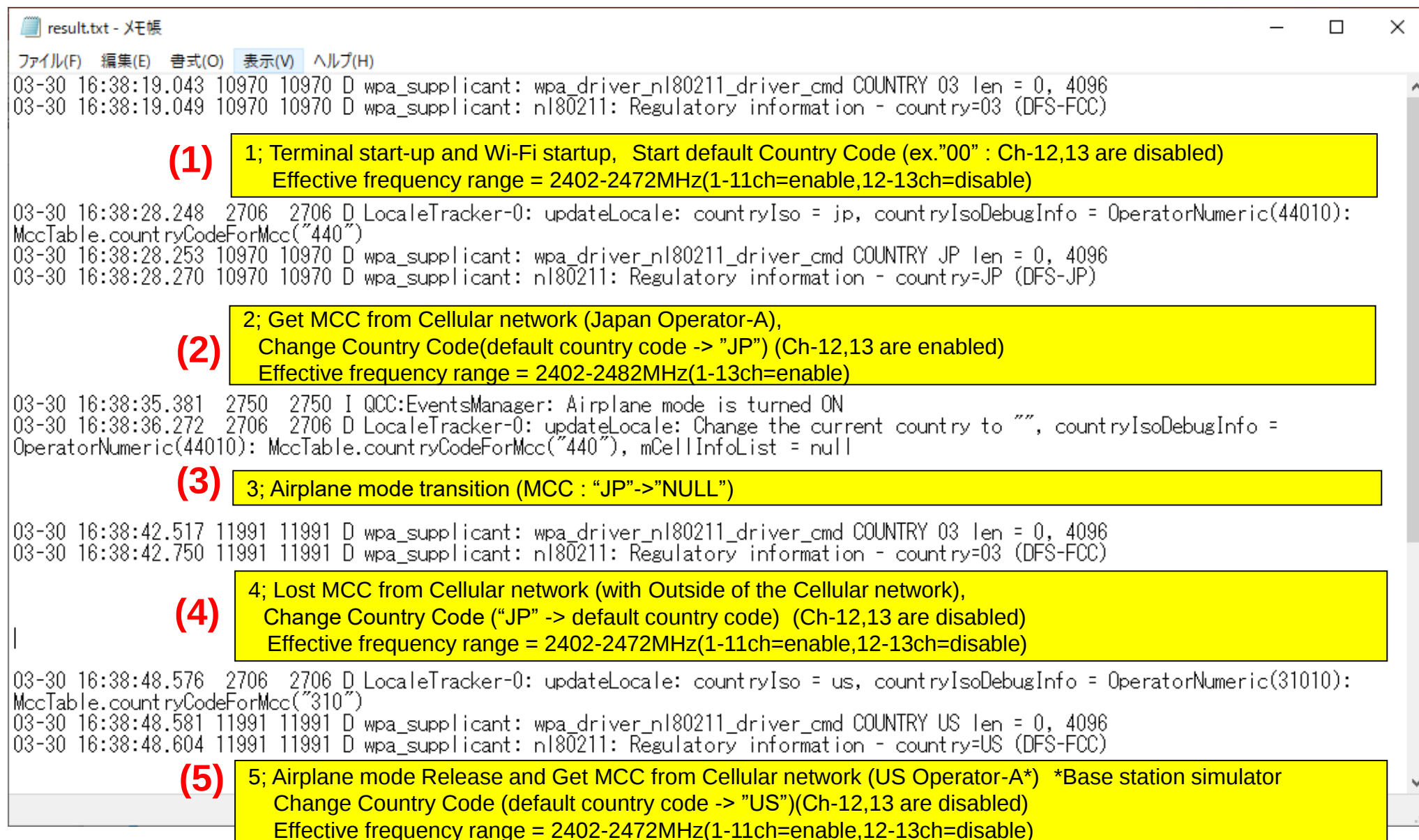
1-13ch = Enabled
⇒ Operation Check Result = OK

◆Channel Control Algorithm Flowchart



◆Verification Pattern (Operation check result)

Check Result = OK



The screenshot shows a terminal window titled "result.txt - メモ帳" (result.txt - Notepad). The window contains log output from a system, with five specific steps highlighted in yellow boxes and numbered (1) through (5) in red. The log output includes timestamps, process IDs, and messages related to country code changes and regulatory information.

(1) 1; Terminal start-up and Wi-Fi startup, Start default Country Code (ex."00" : Ch-12,13 are disabled)
Effective frequency range = 2402-2472MHz(1-11ch=enable,12-13ch=disable)

03-30 16:38:19.043 10970 10970 D wpa_supplicant: wpa_driver_nl80211_driver_cmd COUNTRY 03 len = 0, 4096
03-30 16:38:19.049 10970 10970 D wpa_supplicant: nl80211: Regulatory information - country=03 (DFS-FCC)

03-30 16:38:28.248 2706 2706 D LocaleTracker-0: updateLocale: countryIso = jp, countryIsoDebugInfo = OperatorNumeric(44010):
MccTable.countryCodeForMcc("440")
03-30 16:38:28.253 10970 10970 D wpa_supplicant: wpa_driver_nl80211_driver_cmd COUNTRY JP len = 0, 4096
03-30 16:38:28.270 10970 10970 D wpa_supplicant: nl80211: Regulatory information - country=JP (DFS-JP)

(2) 2; Get MCC from Cellular network (Japan Operator-A),
Change Country Code(default country code -> "JP") (Ch-12,13 are enabled)
Effective frequency range = 2402-2482MHz(1-13ch=enable)

03-30 16:38:35.381 2750 2750 I QCC:EventManager: Airplane mode is turned ON
03-30 16:38:36.272 2706 2706 D LocaleTracker-0: updateLocale: Change the current country to "", countryIsoDebugInfo =
OperatorNumeric(44010): MccTable.countryCodeForMcc("440"), mCellInfoList = null

(3) 3; Airplane mode transition (MCC : "JP"->"NULL")

03-30 16:38:42.517 11991 11991 D wpa_supplicant: wpa_driver_nl80211_driver_cmd COUNTRY 03 len = 0, 4096
03-30 16:38:42.750 11991 11991 D wpa_supplicant: nl80211: Regulatory information - country=03 (DFS-FCC)

(4) 4; Lost MCC from Cellular network (with Outside of the Cellular network),
Change Country Code ("JP" -> default country code) (Ch-12,13 are disabled)
Effective frequency range = 2402-2472MHz(1-11ch=enable,12-13ch=disable)

03-30 16:38:48.576 2706 2706 D LocaleTracker-0: updateLocale: countryIso = us, countryIsoDebugInfo = OperatorNumeric(31010):
MccTable.countryCodeForMcc("310")
03-30 16:38:48.581 11991 11991 D wpa_supplicant: wpa_driver_nl80211_driver_cmd COUNTRY US len = 0, 4096
03-30 16:38:48.604 11991 11991 D wpa_supplicant: nl80211: Regulatory information - country=US (DFS-FCC)

(5) 5; Airplane mode Release and Get MCC from Cellular network (US Operator-A*) *Base station simulator
Change Country Code (default country code -> "US")(Ch-12,13 are disabled)
Effective frequency range = 2402-2472MHz(1-11ch=enable,12-13ch=disable)