FOXX Development Inc.

Date: 2024.07.18

Company: FOXX Development Inc.
Address: 3480 Preston Ridge Road, Suite500, Alpharetta, GA 30005, USA

Product Name: Smart phone
Model Number(s): A55

Dear Sir/ Madam,

This purpose of this filing is to request an **EQUIPMENT MODIFICATION / REASSESSMENT**

for FCC ID: 2AQRM-A55 originally Certified on [Date: 2023-10-24]

The change under this application is for the following reasons:

a. We declare that this variant device does not increase the RF output power for all RF parts, and PCB layout are not changed.
Conform to KDB 178919 D01 Chapter III.C and I General requirements

b. Only software enabled LTE B25/26 Replaced the passive filters of the relevant band (pin to pin)

Frequency band	transformation situation	bit number	Use value before	Now use the value	Specifications
Band2/25	Replace material	U0716	SFXG80CUD02	RSFD1902C	1814
U0712	Delete Item	U0712	HDDBO8CNSS-B11	NC	1814
band5/26	Replace material	U0701	HDDBO5CNSS-B11	NDFE031-0831XA	1814
	Replace material	U0805	NDFH005-0881SA	NDFH052-0876SA	1109
Add B25/B26 at the request of the customer, change the material as above, other no change					

So SAR Retest GSM 850/1900, WCDMA B2/5, LTE B2/5, added B25/26 band. RF Retest GSM 850/1900,WCDMA B2/5, LTE B2/5 ERP/EIRP/Radiated spurious emission testing, Add B25/26 band testing.

Conform to KDB 178919 D01 Chapter III.C Footnote 5 and III.D requirements

The new chip component is pin-for-pin compatible.	Yes
The new chip has the same basic function as the old chip, from an external perspective (internal circuitry may differ).	Yes
No change in radio parameters has occurred.	Yes
The same conditions apply when a small area (approximately the same area as the chip) of the PCB is replaced with an equivalent chip.	Yes

c. Change to dual SIM card
So Part 15B Add full test for LTE B25/26 band two Sim card mode
Conform to KDB 178919 D01 Chapter III.F and Chapter I General requirements

d. SW/HW

	SW	HW
Original	Android_FOXXD_A55_V1.0_20231013	E64D_V1.0 (sharing)
New	Android_FOXXD_A55_V1.0_20231013	

No change.

e. No increase in transmit power level.

Tune Up Procedure Update GSMB2/5,WCDMAB2/5,LTE B2/5, increased LTE B25/26.

So SAR Retest GSM 850/1900, WCDMA B2/5, LTE B2/5, added B25/26 band. RF Retest GSM 850/1900,WCDMA B2/5, LTE B2/5 ERP/EIRP/Radiated spurious emission testing, Add B25/26 band testing.

Conform to KDB 178919 D01 Chapter V.B requirements, exclude terms 1), However Minor changes meet KDB 178919 D01 related requirements (see reasons b and c)

No hardware changes have been made.	PCB layout are not changed, Minor changes meet KDB 178919 D01 related requirements (see reasons b and c)
There is no increase in the output power rating on new frequencies (unless such exceptions are permitted by rules or KDB publications – see V) G)).	Yes
The Equipment Class remains the same. (Changes that require a new Equipment Class code require a new grant of certification (FCC ID), except for SDR approvals.)	Yes
RF exposure changes must be addressed.	Yes
Only the original equipment manufacturer may implement the new frequencies.	Yes
There are no other changes to the device that indicate a need for a new FCC ID.	Yes

f. No change in antenna, only increased LTE B25/26 antenna gain.

Different	original	variant
Antenna Gain	GSM 850: 0.3dBi GSM 1900: 1.74dBi WCDMA B2: 1.74dBi WCDMA B4: 1.35dBi WCDMA B5: 0.3dBi LTE Band 2: 1.74dBi, LTE Band 4: 1.35dBi, LTE Band 5: 0.3dBi, LTE Band 7: 1.76dBi, LTE Band 12: -0.25dBi, LTE Band 17: -0.25dBi,	GSM 850: 0.3dBi GSM 1900: 1.74dBi WCDMA B2: 1.74dBi WCDMA B4: 1.35dBi WCDMA B5: 0.3dBi LTE Band 2: 1.74dBi, LTE Band 4: 1.35dBi, LTE Band 5: 0.3dBi, LTE Band 7: 1.76dBi, LTE Band 12: -0.25dBi, LTE Band 17: -0.25dBi,

	LTE Band 41: 2.19dBi, LTE Band 66: 1.35dBi, LTE Band 71: -0.25dBi	LTE Band 25: 1.74dBi, LTE Band 26: 0.3dBi, LTE Band 41: 2.19dBi, LTE Band 66: 1.35dBi, LTE Band 71: -0.25dBi

So SAR Retest GSM 850/1900, WCDMA B2/5, LTE B2/5, added B25/26 band. RF Retest GSM 850/1900,WCDMA B2/5, LTE B2/5 ERP/EIRP/Radiated spurious emission testing, Add B25/26 band testing.
Conform to KDB 178919 D01 Chapter II.B requirements

Submit information summary:

Description	Re-testing item	Remark
ERP/EIRP/Radiated spurious emission for PCE test report	Need testing	The Original FCC testing under FCC ID: 2AQRM-A55 enabled LTE B25/26 and change passive filters and Change to dual SIM card. Therefore, additional ERP/EIRP/ Radiated spurious emission testing for GSM 850/1900, WCDMA B2/5, LTE B2/5 is necessary, add full test for LTE B25/26 band
SAR test report	Need testing	SAR needs to retest GSM 850/1900, WCDMA B2/5, LTE B2/5, add B25/26 band
Part 15B	Need testing	Add full test for LTE B25/26 band two Sim card mode
BOM/ Schematic Diagram	Provided	Already Provided
Antenna info	Provided	Already Provided
Operational Description	Provided	Already Provided
External/ Internal Photos	Provided	Already Provided
Tune Up	Provided	Already Provided

Name: Xiangyu Zeng **Date: 2024-7-18**

Title: product manager

Signature of applicant