

Declaration Letter

Date: 2026-07-23

We, the undersigning company

Company Name: Vivo Mobile Communication Co., Ltd.

Address: No.1, vivo Road, Chang'an, Dongguan, Guangdong, China

Hereby declare the following:

Variant Summary
Parent device (Model:V2543): FCC ID:2AUCY-V2543 RF Function: GPS ,BT, LE, 2.4G WIFI, 5G WIFI, GSM,WCMDA,LTE
Variant Device (Model:V2543): FCC ID:2AUCY-V2543A RF Function: GPS,BT, LE, 2.4G WIFI, 5G WIFI, GSM,WCMDA,LTE,NFC
Key Differences: The variant device added an NFC transmitter component based on the parent device, and the parent PCB layout reserves the design for NFC,while all other aspects remain unchanged.

Data Referencing Table		
Note: Since the variant device added an NFC transmitter component based on the parent device, all SAR(BT, LE, 2.4G WIFI, 5G WIFI, GSM,WCMDA,LTE), EMC test items(Part 15, Subpart B) and NFC(Part 15, Subpart C)of this variant have undergone full testing.		
FCC Test Requirements	Test item	Files
Part 15, Subpart B	EMC	Full new test for all items See file: BTL-FCCE-1-2602C252A
KDB 447498	BT, LE, 2.4G WIFI, 5G WIFI, GSM,WCMDA,LTE Transmitter SAR	Full new test for all items See file: BTL-FCC SAR-1-2602C252A
Part 15, Subpart C	WLAN (NFC)	Full new test for all items BTL-FCCP-10-2602C252A

Data Referencing Table			
Note: According to the description in figure 1 For WWAN : and also NFC not turned on during cellular network testing , So Data Referencing is applied for the following tests: Effective Radiated Power & Equivalent Isotropic Radiated Power f or the variant FCC ID 2AUCY-V2543A are performed in full,and the Radiated Spurious Emissions spot-check the worst case. For WLAN : The Data Referencing is applied for the following tests: Radiated Spurious Emissions and Maximum Output Power spot check of the worst case for variant FCC ID 2AUCY-V2543A			
EMC Testing			
FCC Test Requirements	Test item	DUT Setup Conditions	Files for Referred Data and Spot-Checks
2.1049 & 90.209	Occupied Bandwidth	814MHz-824MHz	Referred Data See file: BTL-FCCP-6-2602C252A_Part 90(S)_LTE Band 26 R00
2.1053 & 90.669	Conducted Spurious Emissions	814MHz-824MHz	Referred Data See file: BTL-FCCP-6-2602C252A_Part 90(S)_LTE Band 26 R00
2.1053 & 90.669	Radiated Spurious Emissions	814MHz-824MHz	Referred Data See file: BTL-FCCP-6-2602C252A_Part 90(S)_LTE Band 26 R00
2.1053 & 90.691	Mask Measurements	814MHz-824MHz	Referred Data See file: BTL-FCCP-6-2602C252A_Part 90(S)_LTE Band 26 R00
-	Peak To Average Ratio	814MHz-824MHz	Referred Data See file: BTL-FCCP-6-2602C252A_Part 90(S)_LTE Band 26 R00
2.1055 & 90.213	Frequency Stability	814MHz-824MHz	Referred Data See file: BTL-FCCP-6-2602C252A_Part 90(S)_LTE Band 26 R00
2.1049	Occupied Bandwidth	824MHz-849MHz	Referred Data See file: BTL-FCCP-7-2602C252A_Part 22_GSM850, WCDMA Band V, LTE Band 5&26 R00
2.1051 & 22.917(a)	Conducted Spurious Emissions	824MHz-849MHz	Referred Data See file: BTL-FCCP-7-2602C252A_Part 22_GSM850, WCDMA Band V, LTE Band 5&26 R00
2.1053 & 22.917(a)	Radiated Spurious Emissions	824MHz-849MHz	Referred Data See file: BTL-FCCP-7-2602C252A_Part 22_GSM850, WCDMA Band V, LTE Band 5&26 R00
22.917(a)	Band Edge	824MHz-849MHz	Referred Data See file:

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	Measurements		BTL-FCCP-7-2602C252A_Part 22_GSM850, WCDMA Band V, LTE Band 5&26 R00
22.913(d)	Peak To Average Ratio	824MHz-849MHz	Referred Data See file: BTL-FCCP-7-2602C252A_Part 22_GSM850, WCDMA Band V, LTE Band 5&26 R00
2.1055 & 22.355	Frequency Stability	824MHz-849MHz	Referred Data See file: BTL-FCCP-7-2602C252A_Part 22_GSM850, WCDMA Band V, LTE Band 5&26 R00
2.1049	Occupied Bandwidth	1850MHz-1910MHz	Referred Data See file: BTL-FCCP-8-2602C252A_Part 24_PCS1900, WCDMA Band II, LTE Band 2 R00
2.1051 & 24.238(a)	Conducted Spurious Emissions	1850MHz-1910MHz	Referred Data See file: BTL-FCCP-8-2602C252A_Part 24_PCS1900, WCDMA Band II, LTE Band 2 R00
2.1053 & 24.238(a)	Radiated Spurious Emissions	1850MHz-1910MHz	Referred Data See file: BTL-FCCP-8-2602C252A_Part 24_PCS1900, WCDMA Band II, LTE Band 2 R00
24.238(a)	Band Edge Measurements	1850MHz-1910MHz	Referred Data See file: BTL-FCCP-8-2602C252A_Part 24_PCS1900, WCDMA Band II, LTE Band 2 R00
24.232(d)	Peak To Average Ratio	1850MHz-1910MHz	Referred Data See file: BTL-FCCP-8-2602C252A_Part 24_PCS1900, WCDMA Band II, LTE Band 2 R00
2.1055 & 24.235	Frequency Stability	1850MHz-1910MHz	Referred Data See file: BTL-FCCP-8-2602C252A_Part 24_PCS1900, WCDMA Band II, LTE Band 2 R00
2.1049	Occupied Bandwidth	777MHz-787MHz 1710MHz-1755MHz 1710MHz-1780MHz 2500MHz-2570MHz 2570MHz-2620MHz 2496MHz-2690MHz	Referred Data See file: BTL-FCCP-9-2602C252A_Part 27_WCDMA BAND IV, LTE Band 4&7&13&38&41&&66 R00

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2.1051 27.53(h) 27.53(c)(2) (f) 27.53(m)(4))&(m)(6)	Conducted Spurious Emissions	777MHz-787MHz 1710MHz-1755MHz 1710MHz-1780MHz 2500MHz-2570MHz 2570MHz-2620MHz 2496MHz-2690MHz	Referred Data See file: BTL-FCCP-9-2602C252A_Part 27_WCDMA BAND IV, LTE Band 4&7&13&38&41&&66 R00
2.1053 27.53(h) 27.53(m)(4))&(m)(6)	Radiated Spurious Emissions	777MHz-787MHz 1710MHz-1755MHz 1710MHz-1780MHz 2500MHz-2570MHz 2570MHz-2620MHz 2496MHz-2690MHz	Referred Data See file: BTL-FCCP-9-2602C252A_Part 27_WCDMA BAND IV, LTE Band 4&7&13&38&41&&66 R00
2.1051 27.53(h) 27.53(c)(2) (f) 27.53(m)(4))&(m)(6)	Band Edge Measurements	777MHz-787MHz 1710MHz-1755MHz 1710MHz-1780MHz 2500MHz-2570MHz 2570MHz-2620MHz 2496MHz-2690MHz	Referred Data See file: BTL-FCCP-9-2602C252A_Part 27_WCDMA BAND IV, LTE Band 4&7&13&38&41&&66 R00
27.50(d)(5)	Peak To Average Ratio	777MHz-787MHz 1710MHz-1755MHz 1710MHz-1780MHz 2500MHz-2570MHz 2570MHz-2620MHz 2496MHz-2690MHz	Referred Data See file: BTL-FCCP-9-2602C252A_Part 27_WCDMA BAND IV, LTE Band 4&7&13&38&41&&66 R00
2.1055 27.54	Frequency Stability	777MHz-787MHz 1710MHz-1755MHz 1710MHz-1780MHz 2500MHz-2570MHz 2570MHz-2620MHz 2496MHz-2690MHz	Referred Data See file: BTL-FCCP-9-2602C252A_Part 27_WCDMA BAND IV, LTE Band 4&7&13&38&41&&66 R00
2.1046 24.232(c) 22.913(a)(5) 90.635 (b) 27.50(d)(4) 27.50(b)(1 0) 27.50(h)(2)	Equivalent Isotropic Radiated Power & Equivalent Radiated Power	814MHz-824MHz 824MHz-849MHz 1850MHz-1910MHz 777MHz-787MHz 1710MHz-1755MHz 1710MHz-1780MHz 2500MHz-2570MHz 2570MHz-2620MHz 2496MHz-2690MHz	Spot-check Report See file: BTL-FCCP-11-2602C252A_Spot-check Report

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2.1053 & 90.669	Radiated Spurious Emissions	814MHz-824MHz	Spot-check Report See file: BTL-FCCP-11-2602C252A_Spot-check Report
15.207 15.407(b)	AC Power Line Conducted Emissions	2402 MHz ~ 2480 MHz 2412 MHz ~ 2462 MHz 5150 MHz ~ 5250 MHz 5250 MHz ~ 5350 MHz 5470 MHz ~ 5725 MHz 5725 MHz ~ 5850 MHz	Referred Data See file: BTL-FCCP-1-2602C252A_BT EDR R00 BTL-FCCP-2-2602C252A_BT LE R00 BTL-FCCP-3-2602C252A_WLAN 2.4G R00 BTL-FCCP-4-2602C252A_WLAN 5G Band 1-4 R00
15.247(d) 15.205(a) 15.209(a) 15.407(b)	Radiated Emission	2402 MHz ~ 2480 MHz 2412 MHz ~ 2462 MHz 5150 MHz ~ 5250 MHz 5250 MHz ~ 5350 MHz 5470 MHz ~ 5725 MHz 5725 MHz ~ 5850 MHz	Spot-check Report See file: BTL-FCCP-12-2602C252A_Spot-check Re port
15.247 (a)(1)(iii)	Number of Hopping Frequency	2402 MHz ~ 2480 MHz	Referred Data See file: BTL-FCCP-1-2602C252A_BT EDR R00
15.247 (a)(1)(iii)	Average Time of Occupancy	2402 MHz ~ 2480 MHz	Referred Data See file: BTL-FCCP-1-2602C252A_BT EDR R00
15.247(a)(1)	Hopping Channel Separation	2402 MHz ~ 2480 MHz	Referred Data See file: BTL-FCCP-1-2602C252A_BT EDR R00
15.247(a)(1) 15.407(a) 15.407(e)	Bandwidth	2402 MHz ~ 2480 MHz 2412 MHz ~ 2462 MHz 5150 MHz ~ 5250 MHz 5250 MHz ~ 5350 MHz 5470 MHz ~ 5725 MHz 5725 MHz ~ 5850 MHz	Referred Data See file: BTL-FCCP-1-2602C252A_BT EDR R00 BTL-FCCP-2-2602C252A_BT LE R00 BTL-FCCP-3-2602C252A_WLAN 2.4G R00 BTL-FCCP-4-2602C252A_WLAN 5G Band 1-4 R00

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15.247(a)(1) 15.407(a)	Maximum Output Power	2402 MHz ~ 2480 MHz 2412 MHz ~ 2462 MHz 5150 MHz ~ 5250 MHz 5250 MHz ~ 5350 MHz 5470 MHz ~ 5725 MHz 5725 MHz ~ 5850 MHz	Spot-check Report See file: BTL-FCCP-12-2602C252A_Spot-check Report
15.247(d)	Conducted Spurious Emission	2402 MHz ~ 2480 MHz 2412 MHz ~ 2462 MHz	Referred Data See file: BTL-FCCP-1-2602C252A_BT EDR R00 BTL-FCCP-2-2602C252A_BT LE R00 BTL-FCCP-3-2602C252A_WLAN 2.4G R00
15.203	Antenna Requirement	2402 MHz ~ 2480 MHz 2412 MHz ~ 2462 MHz 5150 MHz ~ 5250 MHz 5250 MHz ~ 5350 MHz 5470 MHz ~ 5725 MHz 5725 MHz ~ 5850 MHz	Referred Data See file: BTL-FCCP-1-2602C252A_BT EDR R00 BTL-FCCP-2-2602C252A_BT LE R00 BTL-FCCP-3-2602C252A_WLAN 2.4G R00 BTL-FCCP-4-2602C252A_WLAN 5G Band 1-4 R00 BTL-FCCP-5-2602C252A_DFS Client device without radar detection R00
15.247(e) 15.407(a)	Power Spectral Density	2402 MHz ~ 2480 MHz 2412 MHz ~ 2462 MHz 5150 MHz ~ 5250 MHz 5250 MHz ~ 5350 MHz 5470 MHz ~ 5725 MHz 5725 MHz ~ 5850 MHz	Referred Data See file: BTL-FCCP-2-2602C252A_BT LE R00 BTL-FCCP-3-2602C252A_WLAN 2.4G R00 BTL-FCCP-4-2602C252A_WLAN 5G Band 1-4 R00
15.407(g)	Frequency Stability	5150 MHz ~ 5250 MHz 5250 MHz ~ 5350 MHz 5470 MHz ~ 5725 MHz 5725 MHz ~ 5850 MHz	Referred Data See file: BTL-FCCP-4-2602C252A_WLAN 5G Band 1-4 R00
15.407(c)	Automatically Discontinue Transmission	5150 MHz ~ 5250 MHz 5250 MHz ~ 5350 MHz 5470 MHz ~ 5725 MHz 5725 MHz ~ 5850 MHz	Referred Data See file: BTL-FCCP-4-2602C252A_WLAN 5G Band 1-4 R00
FCC 15.407(h)	Dynamic Frequency Selection (DFS)	5150 MHz ~ 5250 MHz 5250 MHz ~ 5350 MHz 5470 MHz ~ 5725 MHz 5725 MHz ~ 5850 MHz z	Referred Data See file: BTL-FCCP-5-2602C252A_DFS Client device without radar detection R00

Figure 1



Clarifications on KDB 484596 v03 (I)

Variants with Added Functionalities

- A variant with no change in components (“a **depopulation of zero components**”, for instance s/w or tune-up related changes) **may be eligible**, in general, for Data Referencing.
 - Example: enabling a band via s/w requires full testing for the added band and related simultaneous transmissions, but the tests pertaining to the other bands can be referenced (this was done several times in the past).
- A variant featuring the addition of transmitter components (“chips” and/or discrete components), using existing antennas **and** the same existing PCB board(s) layout (i.e., previously designed for that possible addition)
 - requires **testing** for the **added band(s)** and **applicable simultaneous** transmissions
 - **may be eligible**, in general, for Data Referencing for other existing bands.

January 28, 2026

TCBC Presentation

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Spot-Check Plan					
EMC					
Test	Reference Worst-Case	Variant Test	dB Difference	Spot-Check Parameters	Pass Criterion
47CFR FCC Part 90 Effective Radiated Power	814MHz-824MHz $R_{dB}=13.45dBm$	814MHz-824MHz $V_{dB}=11.41dBm$	$d_{dB}=1.95dB$	$d_{dBmax}=3dB$	$d_{dB} < d_{dBmax}$ Pass
47CFR FCC Part 22 Effective Radiated Power	824MHz-849MHz $R_{dB}=13.24dBm$	824MHz-849MHz $V_{dB}=10.31dBm$	$d_{dB}=2.93dB$	$d_{dBmax}=3dB$	$d_{dB} < d_{dBmax}$ Pass

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47CFR FCC Part 24 Equivalent Isotropic Radiated Power	1850MHz-1910MHz R _{dB} =19.8dBm	1850MHz-1910MHz V _{dB} =17.05dBm	d _{dB} =2.75dB	d _{dBmax} =3dB	d _{dB} < d _{dBmax} Pass
47CFR FCC Part 27 Effective Radiated Power & Equivalent Isotropic Radiated Power	777MHz-787MHz 1710MHz-1755MHz 1710MHz-1780MHz 2500MHz-2570MHz 2570MHz-2620MHz 2496MHz-2690MHz R _{dB} =23.65dBm	777MHz-787MHz 1710MHz-1755MHz 1710MHz-1780MHz 2500MHz-2570MHz 2570MHz-2620MHz 2496MHz-2690MHz V _{dB} =20.68dBm	d _{dB} =2.97dB	d _{dBmax} =3dB	d _{dB} < d _{dBmax} Pass
47CFR FCC Part 90 Radiated Spurious Emissions	814MHz-824MHz R _{dB} =55.02dBuV/m	814MHz-824MHz V _{dB} =52.91dBuV/m	d _{dB} =2.11dB	d _{dBmax} =3dB	d _{dB} < d _{dBmax} Pass

Radiated Emission 15.247(d) 15.205(a) 15.209(a)	BT 2402 MHz ~ 2480 MHz R _{dB} =38.67dBuV/m BLE 2402 MHz ~ 2480 MHz R _{dB} =40.78dBuV/m	BT 2402 MHz ~ 2480MHz V _{dB} =36.05dBuV/m BLE 2402 MHz ~ 2480MHz R _{dB} =38.41dBuV/m	BT d _{dB} =2.62 dB BLE d _{dB} =2.37 dB	d _{dBmax} =3dB	d _{dB} < d _{dBmax} Pass
Radiated Emission 15.247(d) 15.205(a) 15.209(a)	2412 MHz ~ 2462 MHz R _{dB} =36.72dBuV/m	2412 MHz ~ 2462MHz V _{dB} =33.96dBuV/m	d _{dB} =2.76dB	d _{dBmax} =3dB	d _{dB} < d _{dBmax} Pass
Radiated Emission 15.407(b)	5150 MHz ~ 5250 MHz 5250 MHz ~ 5350 MHz 5470 MHz ~ 5725 MHz 5725 MHz ~ 5850 MHz R _{dB} =38.46dBuV/m	5150 MHz ~ 5250 MHz 5250 MHz ~ 5350 MHz 5470 MHz ~ 5725 MHz 5725 MHz ~ 5850 MHz V _{dB} =36.49dBuV/m	d _{dB} =1.97dB	d _{dBmax} =3dB	d _{dB} < d _{dBmax} Pass

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		m			
Maximum Output Power 15.247(a)(1)	BT 2402 MHz ~ 2480 MHz R _{dB} =12.51dBm BLE 2402 MHz ~ 2480 MHz R _{dB} =8.35 dBm	BT 2402 MHz ~ 2480MHz V _{dB} =11.89dBm BLE 2402 MHz ~ 2480MHz R _{dB} =8.02dBm	BT d _{dB} =0.62 dB BLE d _{dB} =0.33 dB	d _{dBmax} =3dB	d _{dB} < d _{dBmax} Pass
Maximum Output Power 15.247(a)(1)	2412 MHz ~ 2462 MHz R _{dB} =18.92dBm	2412 MHz ~ 2462MHz V _{dB} =18.23 dBm	d _{dB} =0.69dB	d _{dBmax} =3dB	d _{dB} < d _{dBmax} Pass
Radiated Emission 15.407(b)	5150 MHz ~ 5250 MHz 5250 MHz ~ 5350 MHz 5470 MHz ~ 5725 MHz 5725 MHz ~ 5850 MHz R _{dB} =17.88dBm	5150 MHz ~ 5250 MHz 5250 MHz ~ 5350 MHz 5470 MHz ~ 5725 MHz 5725 MHz ~ 5850 MHz V _{dB} =17.06dBm	d _{dB} =0.82dB	d _{dBmax} =3dB	ddB< d _{dBmax} Pass

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