

REFERENCE PLAN

We hereby declare that the new application for **FCC ID: RI7FE910C04WWI** and **IC: 5131A-FE910C04WWI** references the compliance data and test results associated with the previously approved device:

FCC ID: RI7FE910C04WW, **Grant Date: 07/14/2025** (CBE, PCB)

IC:5131A-FE910C04WW, **REL Approval Date: 07/26/2025**

The Referenced and Variant devices are electrically and functionally equivalent, sharing the same PCB layout, RF architecture, and operating parameters. The only differences are the use of a pin-to-pin compatible RF chipset variant and software updates, neither of which affect the RF characteristics or compliance-related performance. Although the variant chipset supports an optional 450 MHz band capability, this feature is not enabled or implemented in the device.

In accordance with FCC KDB 484596 D01 guidance, a radiated spurious emissions spot check was performed on the Variant device to verify the impact of the identified differences. The spot check results confirmed equivalent RF performance and no compliance-impacting changes relative to the Parent device. Therefore, the Parent device test data is considered representative of the Variant device. The reference data plan for the applicable test items is summarized in the table below.

1.1 Reference Detail

FCC Test Requirements	IC Rules	Test item	DUT Setup Conditions	Files for Referred Data and Spot-Checks
§2.1046(a)	RSS-GEN §6.12	RF Power Output	LTE B2 1850~1910MHz LTE B4 1710~1755MHz LTE B5 824~849MHz LTE B7 2500~2570MHz LTE B12 699~716MHz LTE B13 777~787MHz LTE B14 788~798MHz LTE B17 704~716MHz LTE B25 1850~1915MHz LTE B26 814~824MHz LTE B26 824~849MHz	Referred Data: FCC LTE TERF2503001150ER FCC 5GNR TERF2503001151ER ISED LTE TERF2503001155ER ISED 5GNR TERF2503001156ER
§22.913(a)(5) §24.232(c) §27.50(a)(3) §27.50(b)(9) §27.50(c)(9) §27.50(d)(4) §27.50(h)(2) §27.50(k)(3) §90.542(a)(6) §90.635	RSS-130 §4.6.3 RSS-132 §5.4 RSS-133 §6.4 RSS-139 §6.5 RSS-140 §4.3 RSS-195 §5.5 RSS-199 §4.4	ERP/ EIRP measurement	LTE B30 2305~2315MHz LTE B38 2570~2620MHz LTE B41 2496~2690MHz LTE B42 3450~3550MHz LTE B43 3700~3800MHz LTE B66 1710~1780MHz LTE B70 1695~1710MHz LTE B71 663~698MHz	Spot-Checks: FCC LTE TERF2605001563ER FCC 5GNR TERF2605001564ER ISED LTE TERF2605001567ER
§2.1049(h)	RSS-GEN §6.7	99% & 26dB Occupied Bandwidth		
§2.1051 §22.917(a)(b) §24.238(a)(b) §27.53(a)(4) §27.53(c)(2)&(5) §27.53(g)	RSS-GEN §6.13 RSS-130 §4.7 RSS-132 §5.5 RSS-133 §6.5 RSS-139 §6.6 RSS-140 §4.4	Out of Band Emissions at Antenna Terminals and Band Edge / Emission mask requirements		

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§27.53(h)(1)&(3) §27.53(m) §27.53(m)(4) §27.53(m)(4)(6) §27.53(n)(2) §90.543 (e)(2)~(5) §90.691(a)	RSS-195 §5.6 RSS-199 §4.5		LTE B106 896~901MHz n2 1850~1910MHz n5 824~849MHz n7 2500~2570MHz n12 699~716MHz n13 777~787MHz n14 788~798MHz n25 1850~1915MHz n26 Part 90 814~824MHz n26 824~849MHz n30 2305~2315MHz n38 2570~2620MHz n41 2496~2690MHz n66 1710~1780MHz n70 1695~1710MHz n71 663~698MHz n77 3450~3550MHz n77 3700~3980MHz n78 3450~3550MHz n78 3700~3800MHz	ISED 5GNR TERF2605001568ER
§2.1053 §22.917(a)(b) §24.238(a)(b) §27.53(a)(4) §27.53(c)(2)~(6) §27.53(f) §27.53(g) §27.53(h) §27.53(h)(1)&(3) §27.53(m)(4) §27.53(n)(2) §90.543(e)(2)~(5) §90.543(f) §90.691(a)	RSS-GEN §6.13 RSS-130 §4.7 RSS-132 §5.5 RSS-133 §6.5 RSS-139 §6.6 RSS-140 §4.4 RSS-195 §5.6 RSS-199 §4.5	Field Strength of Spurious Radiation		
§22.913(d) §24.232(d) §27.50(a)(1)(B) §27.50(a)(B) §27.50(d)(5) §27.50 (k)(4)	RSS-130 §4.6.1 RSS-132 §5.4 RSS-133 §5.5 RSS-139 §5.5 RSS-140 §4.3 RSS-195 §5.5 RSS-199 §5.5	Peak to Average Ratio		
§2.1055(a)(1) §22.355 §24.235 §27.54 §90.539(e)	RSS-130 §4.5 RSS-132 §5.3 RSS-133 §5.4 RSS-139 §5.4 RSS-140 §4.2 RSS-195 §5.4 RSS-199 §5.4	Frequency Stability		

FCC Test Requirements	Test item	DUT Setup Conditions	Files for Referred Data and Spot-Checks
§2.1046(a) §96.41(b)	Maximum Power Output	LTE B42 3550~3600MHz LTE B43 3600~3700MHz LTE B48 3550~3700MHz n48 3550~3700MHz	Referred Data: LTE TERF2503001152ER 5GNR TERF2503001153ER
§2.1046, §96.41(b)	Maximum Power Density		Spot-Checks: LTE TERF2605001565ER 5GNR TERF2605001566ER
§2.1053, §96.41(e)	Field Strength Of Spurious Radiation		
§2.1051 §96.41(e)	Out Of Band Emission At Antenna		
§2.1049,(h)	Occupied Bandwidth		

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§2.1055(a)	Frequency Stability		
§96.47(a) (1)	End User Device additional requirements		

IC Rules	Description Of Test	DUT Setup Conditions	Files for Referred Data and Spot-Checks
RSS-Ge §6.12 RSS-198 §5.5, RSS-192 §5.5	Maximum e.i.r.p. density Conducted Output Power	LTE B42 3550~3600MHz LTE B43 3600~3800MHz LTE B48 3550~3700MHz n48 3550~3700MHz n77 3450~3900MHz n77 3900~3980MHz n78 3450~3800MHz	Referred Data: TERF2503001157ER Spot-Checks: LTE TERF2605001569ER 5G NR TERF2605001570ER
RSS-Gen §6.13, RSS-198 §5.6, RSS-198 §5.6.1, RSS-192 §5.6.3	Field Strength Of Spurious Radiation		
RSS-Gen §6.7	99% & 26dB Occupied Bandwidth		
RSS-Gen §6.13, RSS-198 §5.6 RSS-198 §5.6.1, RSS-192 §5.6.3	Out of Band Emissions at Antenna Terminals and Band Edge / Emission mask requirements		
RSS-Gen §6.11 RSS-198 §5.4, RSS-192 §5.4	Frequency Stability		
RSS-198 §5.5, RSS-192 §5.5	Peak to Average Ratio		

The original ISED certification, approved under RSS-195 Issue 2, is now subject to the updated standards, as published on the ISED website. This update is mandatory as of its release. However, the measurement results remain unaffected by this change and continue to comply with RSS-195 Issue 3.



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