

CROSS REFERENCE TABLE FOR FCC

Reference device	Variant device	Key Differences
FCC ID XX6SC2024M	FCC ID XX6SC2324X	Both variants share the same main PCB. The Bluetooth / WLAN module is a separate module that plugs into the main PCB. The SC2324 without Bluetooth/WLAN module is a subset of the SC2024 with Bluetooth/WLAN module, with the Bluetooth / WLAN module removed and a reduced key mat and associated bezel. The same hardware, same antennas, same frequency and software are used to generate the TETRA signal.

Rule Part	Test item	Data Reference	Comments
TNB			
FCC 90.205	Maximum Conducted Output Power	N	Full testing for model SC2024 and spot checking for model SC2324
FCC 90.209	Bandwidth Limitations	Y	Full testing for model SC2024 and data reference for model SC2324
FCC 90.210	Spurious Emissions at Antenna Terminals	N	Full testing for model SC2024 and spot checking for model SC2324
FCC 90.210	Frequency stability	Y	Full testing for model SC2024 and data reference for model SC2324
FCC 90.214	Transient Frequency Behaviour	Y	Full testing for model SC2024 and data reference for model SC2324
FCC 90.221	Adjacent Channel Power	Y	Full testing for model SC2024 and data reference for model SC2324
FCC 90.207	Types of Emissions	Y	Full testing for model SC2024 and data reference for model SC2324
FCC 90.210	Radiated Spurious Emissions	N	Full testing for model SC2024 and spot checking for model SC2324

Rule Part	Test item	Data Reference	Comments
FCC 2.1091 FCC 2.1093 FCC 1.1310 FCC 1.1307	RF Exposure Exemption evaluation	Y	<p>Full testing for model SC2024 and data reference for model SC2324</p> <p><i>Note: the same hardware, same antennas, same frequency and software are used to generate the TETRA signal. So, in the RF assessment nothing would change between SC2024 and SC2324.</i></p>
FCC 2.1093	MEASUREMENT RESULTS FOR SAR (SPECIFIC ABSORPTION RATE)	N	Full testing for model SC2024 and spot checking for model SC2324

Unintentional radiator (EMC) is out of the certification scope.

Rule Part	Test item	Data Reference	Comments
JAB			
FCC 15.107	CE Continuous Conducted emission	N/A	According to the standard, this test is not applicable because EUT is powered in DC (internal battery)
FCC 15.109	RE Radiated emission. Electromagnetic field measure	N	Full testing for model SC2024 and for model SC2324

Acceptance Criteria for all test cases

FCC Part 90 (TNB)

For the same radiated test conditions, It has been evaluated the value of the carrier, with the difference between the reference and the variant being <3 dB.

