

CROSS REFERENCE TABLE

Reference device	Variant device	Key Differences
FCC ID XX6SC2028	FCC ID XX6SC2328X	Both variants share the same main PCB. The Bluetooth / WLAN module is a separate module that plugs into the main PCB. The SC2328 without Bluetooth/WLAN module is a subset of the SC2028 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 SC2028 and spot checking for model SC2328
FCC 90.209	Bandwidth Limitations	Y	Full testing for model SC2028 and data reference for model SC2328
FCC 90.210	Spurious Emissions at Antenna Terminals	N	Full testing for model SC2028 and spot checking for model SC2328
FCC 90.210	Frequency stability	Y	Full testing for model SC2028 and data reference for model SC2328
FCC 90.214	Transient Frequency Behaviour	Y	Full testing for model SC2028 and data reference for model SC2328
FCC 90.221	Adjacent Channel Power	Y	Full testing for model SC2028 and data reference for model SC2328
FCC 90.207	Types of Emissions	Y	Full testing for model SC2028 and data reference for model SC2328

FCC 90.210	Radiated Spurious Emissions	N	Full testing for model SC2028 and spot checking for model SC2328
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Rule Part	Test item	Data Reference	Comments
FCC 2.1091 FCC 2.1093 FCC 1.1310 FCC 1.1307	RF Exposure Exemption evaluation	Y	Full testing for model SC2028 and data reference for model SC2328 <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 SC2028 and SC2328.</i>
FCC 2.1093	MEASUREMENT RESULTS FOR SAR (SPECIFIC ABSORPTION RATE)	N	Full testing for model SC2028 and spot checking for model SC2328

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 SC2028 and for model SC2328

Acceptance Criteria for all test cases

FCC Part 90 (TNB)

For the same conditions, we have compared the maximum conducted output power measured in both models. And we have verified that the difference is <3 dB.