

ANNEX 1: CROSS REFERENCE TABLE

Reference device	Variant device	Key Differences
FCC ID XX6SCG2228M	FCC ID XX6SCG2228X	Both variants share the same main PCB. The Bluetooth / WLAN module is a separate module that plugs into the main PCB. The SCG2228 BASIC without Bluetooth/WLAN module is a subset of the SCG2228 PREMIUM 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	Y	Full testing for model SCG2228 PREMIUM and spot checking for model SCG2228 BASIC
FCC 90.209	Bandwidth Limitations	Y	Full testing for model SCG2228 PREMIUM and this test has not been performed for model SCG2228 BASIC
FCC 90.210	Spurious Emissions at Antenna Terminals	Y	Full testing for model SCG2228 PREMIUM and this test has not been performed for model SCG2228 BASIC
FCC 90.210	Frequency stability	Y	Full testing for model SCG2228 PREMIUM and this test has not been performed for model SCG2228 BASIC

FCC 90.214	Transient Frequency Behaviour	Y	Full testing for model SCG2228 PREMIUM and this test has not been performed for model SCG2228 BASIC
FCC 90.221	Adjacent Channel Power	Y	Full testing for model SCG2228 PREMIUM and this test has not been performed for model SCG2228 BASIC
FCC 90.207	Types of Emissions	Y	Full testing for model SCG2228 PREMIUM and this test has not been performed for model SCG2228 BASIC
FCC 90.210	Radiated Spurious Emissions	Y	Full testing for model SCG2228 PREMIUM and spot checking for model SCG2228 BASIC

Rule Part	Test item	Data Reference	Comments
FCC 2.1091 FCC 2.1093 FCC 1.1310 FCC 1.1307	RF Exposure Exemption evaluation	N	Full testing for model SCG2228 PREMIUM and Full testing for model SCG2228 BASIC

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	Full testing for model SCG2228 PREMIUM and for model SCG2228 BASIC
FCC 15.109	RE Radiated emission. Electromagnetic field measure	N	Full testing for model SCG2228 PREMIUM and for model SCG2228 BASIC

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.