

Sepura Limited

9000 Cambridge Research Park,
Beach Drive, Waterbeach,
Cambridge CB25 9TL, UK

Tel: +44 (0) 1223 876000
sepura.com

Compliance strategy used for SCG2221 FCC certification

SCG2221 is a TETRA mobile radio in the frequency range 136-174MHz with optional features of Bluetooth, Wi-Fi and GNSS.

It is a variant in the SCG22 series of mobile radios provided by Sepura.

There are 3 variants of the SCG2221; Premium, Standard and Basic.

The SCG2221 Basic will be certified under FCC ID XX6SCG2221X.

The SCG2221 Standard and Premium will be certified under FCC ID XX6SCG2221M.

The SCG2221 Basic has the same RF TETRA parameters as the SCG2221 Premium, but the Basic does not include the Bluetooth / WLAN module and has some non-RF modules removed.

a) TETRA (47 CFR 90)

Complete TETRA testing has been completed on the SCG2221 Premium. Results are in report 75956225-04.

The TETRA feature has not been modified between the SCG2221 Premium and the SCG2221 Basic.

TETRA testing for the SCG2221 Basic has been leveraged from the SCG2221 Premium. A further report on the SCG2221 Basic has been added to include verification of the spurious emissions at antenna terminal and maximum conducted output power reports to ensure a valid read across of the remaining tests. These results are contained in Document 75957883-06.

b) Simultaneous transmission (47 CFR 2)

SCG2221 Basic does not support any simultaneous transmission.

c) Unintentional radiator testing (47 CFR 15B)

Unintentional radiator testing has been completed on the SCG2221 basic in report 75957883-01.

f) RF Exposure calculation (47 CFR 1)

RF Exposure calculations for the SCG2221 Basic are the same as for the SCG2221 Premium, except the Bluetooth and WLAN values are not applicable. Results are in Document 75956225-08.

Signed



Chris Beecham

Conformance Engineer

Sepura Limited

Telephone: +44 (0) 1223 876000

e-mail: conformance@sepura.com / chris.beecham@sepura.com

