

16 February 2016

Sepura plc

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

Tel: + 44 (0) 1223 876000
Fax: + 44 (0) 1223 879000
sepura.com

FEDERAL COMMUNICATIONS COMMISSION
Authorization and Evaluation Division
7435 Oakland Mills Road
Columbia, MD 21046

Dear Sir/Madam

Subject: FCC Class II Permission change for FCC ID: XX6SEM8040H
Original Grant Date: 09/25/2014

This is to request a Class II permission change to our product: DMR Mobile Radio, Model: SEM8040H (FCC ID: XX6SEM8040H), the device is identical to the previously certified except for the changes as below for details:

Change the emission designator to read

| FCC Rule Parts | Frequency Range (MHZ) | Output (Watts) | Frequency Tolerance | Emission Designator |
|----------------|-----------------------|----------------|---------------------|---------------------|
| 90 | 400.0 – 406.0 | 40.0 | 0.35 ppm | 11K0F3E |
| 90 | 400.0 – 406.0 | 40.0 | 0.35 ppm | 7K60FXW |
| 90 | 400.0 – 406.0 | 40.0 | 0.35 ppm | 7K60FXD |
| 22, 90 | 406.1 – 470.0 | 40.0 | 0.35 ppm | 11K0F3E |
| 22, 90 | 406.1 – 470.0 | 40.0 | 0.35 ppm | 7K60FXW |
| 22, 90 | 406.1 – 470.0 | 40.0 | 0.35 ppm | 7K60FXD |

a) 11K0 is the calculated necessary bandwidth using Carson's rule; M = 3.0 kHz, D= 2.5 kHz, Bn = (2x3.0) + (2x2.5) x 1, Bn=11 kHz, and F3E represents an FM voice transmission, therefore making the emission designator 11K0F3E

b) 7K60 is the necessary bandwidth using the 99% energy rule as given in 47CFR2.1049, therefore making the emission designators 7K60FXD and 7K60FXW.

This authorization is valid until further written notice from Sepura plc.
Please contact me if you have any questions or need future information regarding this application.

Yours faithfully,



Steve Wood
Verification Engineering Team Leader

Going further in critical communications

