

3.0 SCOPE OF EVALUATION

The **XL-200P C1D1 Non-Rebanded**, FCC ID OWDTR-0146-E, ISEDC ID: 3636B-0146 is a multi-band, Push-To-Talk (PTT) Licensed Mobile Radio (LMR) transceiver intended for Occupational Use. It incorporates WiFi and Bluetooth transmitters. The **XL-200P C1D1 Non-Rebanded** is identical in RF circuitry to the XL-200P (Non-Rebanded), FCC ID OWDTR-0145-E, ISEDC ID: 3636B-0145 and the XL-200P (Rebanded), FCC ID: OWDTR-0133-E, ISEDC ID: 3636B-0133 with the exception that it has been modified to meet C1D1 Safety Standards. It includes the addition of a new battery, P/N 14034-4045-01, which has been designed to meet C1D1 Safety Standards. A metal shield is included and is placed between the battery pack and the DUT.

In this document, the following DUT references are made:

The **XL-200P C1D1 Non-Rebanded**, FCC ID: OWDTR-0146-E, ISEDC ID: 3636B-0146 is referenced in this report as **XL-200P C1D1**

The XL-200P (Non-Rebanded), FCC ID: OWDTR-0145-E, ISEDC ID: 3636B-0145 and the XL-200P (Rebanded), FCC ID: OWDTR-0133-E, ISEDC ID: 3636B-0133 are referenced in this report as XL-200P

The Test Plan developed for this evaluation leverages SAR test data from previous evaluations of the XL-200P and is based on test channels, configurations and accessories which produced the highest (*worst case*) SAR. The previous *worst case* configurations of the XL-200P were re-evaluated during the course of this investigation to establish a base-line for comparison of test data from the XL-200P C1D1. It is important to note that the XL-200P C1D1 uses only a limited number of Body-Worn and Audio Accessories evaluated with the XL-200P. Additionally, the XL-200P C1D1 does not use any of the Batteries and only four (4) of the Antennas evaluated with the XL-200P. Conversely, the 14034-4045-01 battery is not supplied with the XL-200P. The base-line evaluation was made using the 14034-4000-01 battery for both the XL-200P and the XL-200P C1D1 as this enforced commonality between the two devices. All antennas used with the XL-200P C1D1 were evaluated. The basis for the *worst case* configurations of the XL-200P are as follows:

3.1 Previous XL-200P Test Data

Worst Case Test Data from XL-200P (Rebanded)					
Model:	XL-200P				
FCC ID:	OWDTR-0133-E				
Variant:	System Radio				
Date Evaluated:	March 2015				
Frequency	Configuration	Antenna	Accessory 1	Accessory 1	SAR (50% PTT)
136	Head	14035-4000-01	n/a	n/a	0.690
156.8	Body	14035-4000-01	B1	A1	1.350
406	Head	14035-4420-01	n/a	n/a	1.850
406	Body	14035-4420-01	B1	A1	4.630
824	Head	14035-4420-01	n/a	n/a	1.060
806	Body	14035-4420-01	B1	A1	3.860
2437 WiFi	Body	14035-4440-01	B1	n/a	0.005
2480 BT	Body	14035-4440-01	B1	n/a	0.006
5260 WiFi	Body	14035-4440-01	B1	n/a	0.031
Worst Case Test Data from XL-200P (Non-Rebanded)					
Model:	XL-200P				
FCC ID:	OWDTR-0145-E				
Variant:	System Radio				
Date Evaluated:	January 2016				
Frequency	Configuration	Antenna	Accessory 1	Accessory 1	SAR (50% PTT)
806	Head	14035-4440-02	n/a	n/a	1.300
806	Body	14035-4440-02	B1	A1	4.500

Note: The highest Bluetooth and WiFi SAR, when previously measured on the Bluetooth and WiFi channels of the XL-200P, was produced in the BODY configuration.