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August 13, 2019

Federal Communications Commission
Equipment Authorization Branch
7435 Oakland Mills Road
Columbia, MD 21046

Class II Permissive Change Cover Letter
SUBJECT: Class II Permissive Change for FCC ID : VSOXR-450

To Whom It May Concern:

This is to request a Class II permissive change for FCC ID: VSOXR-450, originally granted on 12/16/2009. We changed the following points from the original model.

- Partial change of chips on the PCB board and single output due to software.
(Using software, adjust the frequency to match Part90 and delete 25kHz from channel spacing 12.5kHz and 25kHz. In addition, we used 2W and 5W, but deleted 2W as a program and used only 5W.)

Meanwhile we submit the following documents related to this change. There is no change before and after change except for these documents.



✓	Test Report & SAR Report
	External Photo
✓	Internal Photo
✓	User Manual
	Label drawing/ location
✓	Block Diagram
✓	Schematic
✓	BLK DIA
✓	Parts List


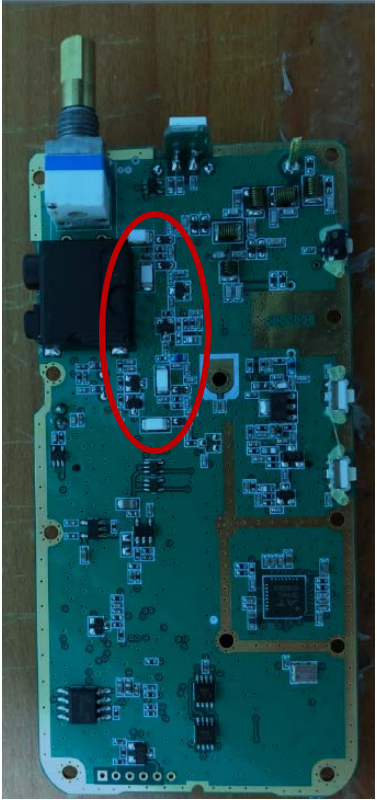
This time, we performed the testing and confirmed that this product still meets the minimum requirements of the applicable rules of FCC. Please refer to the test report submitted with this application.

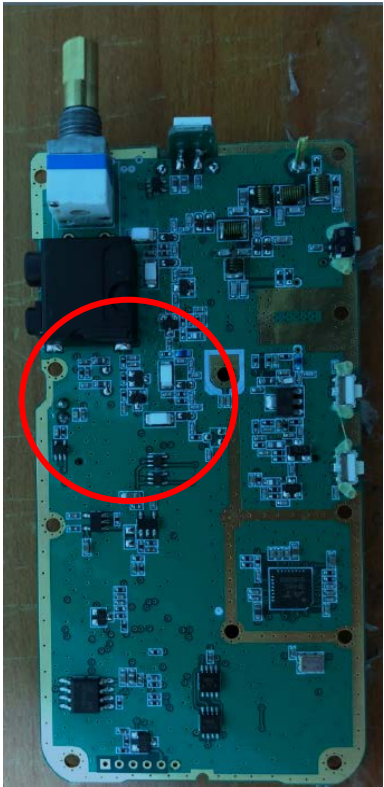

Sincerely,



Hwan-Dae Kim / Chief Engineer
YEONHWA M TECH CO.,LTD

XR-450	Original	After the change
After the change	IC is one-chipped in function. Removal of parts due to deletion of unused functions.	
comparison		

XR-450	Original	After the change
After the change	'Final Amp' change due to 'TX LNA' part discontinuation.	
comparison	 The image shows the original green printed circuit board (PCB) of an XR-450 device. A red circle highlights a specific component, the TX LNA (Transmitting Low Noise Amplifier), which is a small, rectangular component with several pins, located in the upper-middle section of the board.	 The image shows the same green PCB after a component change. A red circle highlights the new TX LNA component, which is a different model than the original one, located in the same position on the board. The rest of the PCB components and layout appear identical to the original.

XR-450	Original	After the change
After the change	Changed to BPF using Barry Cap Diode due to 'RX' stage 'SAW' filter termination.	
comparison	 The image shows the original green PCB of the XR-450. A red circle highlights a specific area on the board, which is the location of the SAW filter. The board is populated with various electronic components, including a large black component on the left and several smaller components in the highlighted area.	 The image shows the modified green PCB of the XR-450. A red circle highlights the Barry Cap Diode, which has replaced the SAW filter. The rest of the board components are visible, including the antenna connector at the top and the large black component on the left.