

Inquiry Tracking Number: 307099
Date of Original Submission: 06/21/2023
Date of Submission: 07/03/2023

[Inquiry Details on 06/21/2023:](#)

Inquiry:

FCC ID: NYOMBECNWPC2307
FCC ID: NYOMBECWPC2307

We have a new project that will be mounted on vehicle by vehicle manufacturer as original equipment.

Product is a typical wireless power transmitter.

Product will be installed in a specific vehicle, but manufacturer would like to proceed with minimum distance that can be used in multiple vehicles. Product will be installed in center column of vehicle between driver and passenger. In this case, there would be bracket and internal trim next to this product in all cases. Therefore, 13mm would be secured to in all cases regardless vehicle type. Manufacturer would like to apply 13mm separation distance to all 5 sided and 0cm will be applied to top side (charging surface).

Manufacturer is aware of any installation condition that user can be closer than 13mm would require C2PC procedure and additional RF Exposure evaluation.

Before we perform the testing, we would like to seek FCC guidance to see this would be acceptable.

Thank you very much.

FCC response on 06/21/2023

This device is intended for installation inside a vehicle. Often, a 20cm separation distance cannot be guaranteed inside a vehicle and we ask the applicant/test lab/TCB to provide photos of the installation location with measurement distances to user interaction (arms, legs, etc.) for all four sides and top of the device. If the device can be installed in multiple vehicles, we ask for that information for each vehicle.

In order for this device to be utilized at distances less than 20cm, you will need to test at a distance that corresponds to the minimum separation distance to the vehicle occupant. As an alternative, to ensure the device can be operated at any installation location on the vehicle(s), you need to test all four sides and top of the device at a test distance of 0cm, 2cm, 4cm, 6cm, 8cm and 10cm.

---Reply from Customer on 06/23/2023---

Dear FCC

Thank you very much for the response. Manufacturer are fully aware of this requirement. Document has been revised as attached and EUT will be installed in a specific condition as stated in the document. 25 mm is actual distance that passenger can be located but 13mm would be applied as separation distance for the evaluation. hope this would be acceptable. C2PC would be done if there is any vehicle that would have closer distance.

FCC response on 06/27/2023

Please provide the test result and description for

test all four sides and top of the device at a test distance of 0cm, 2cm, 4cm, 6cm, 8cm and 10cm.

---Reply from Customer on 06/27/2023---

Dear FCC

Thank you very much for the response. With all due respect, manufacturer confirmed that this product would be installed in a single vehicle with very specific plastic enclosure that was submitted as attachment. With this construction, distance between the closest point to a passenger and EUT would be 25 mm.

For those measurements, our probe has 8mm distance from outer surface to sensing element. Would it be acceptable if we have 8mm (contact) measurement? Since it is not practical distance, hope having probe contact to the EUT (actually 8mm) and have other distance like 1.2cm / 3.2 cm so it can have 2cm and 4cm and so on. thank you very much.

FCC response on 06/27/2023

Please respond to the previous question?

This device is intended for installation inside a vehicle. Often, a 20cm separation distance cannot be guaranteed inside a vehicle and we ask the applicant/test lab/TCB to provide photos of the installation location with measurement distances to user interaction (arms, legs, etc.) for all four sides and top of the device. If the device can be installed in multiple vehicles, we ask for that information for each vehicle.

---Reply from Customer on 06/28/2023---

Dear FCC

Document has been revised as attached. this document has information of separation distance between vehicle trim and EUT for all axis in vehicle installation condition. It shows 25 mm (at least) will be secured all the time and 13 mm would be applied for the testing as separation distance. Hope this would be acceptable. thank you very much.

FCC response on 06/29/2023

If 13 mm would be applied for the testing as separation distance. Then it should be evaluated as portable

---Reply from Customer on 07/03/2023---

Understood. we will apply 13mm and submit a PAG application because it is portable device. thank you very much.

---Reply from Customer on 07/03/2023---

Understood. we will apply 13mm and submit a PAG application because it is a portable device. thank you very much.

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Dear FCC

We have a new project that will be mounted on vehicle by vehicle manufacturer as original equipment.

Product is a typical wireless power transmitter.

Product will be installed in a specific vehicle, Considering its installation condition, certain distance could be secured all the time with all axis. For this device, 25mm would be the closest distance that any passenger in vehicle can be. For the evaluation of this device, 13mm would be applied as separation distance to all axis except top side. Charging surface side will be measured without separation distance and 0cm estimation and validation will be included.

Manufacturer is aware of any installation condition that user can be closer than 13mm would require C2PC procedure and additional RF Exposure evaluation.

Before we perform the testing, we would like to seek FCC guidance to see this would be acceptable.

Thank you very much.

APPENDIX A – EUT PHOTOGRAPHS





APPENDIX B – VEHICLE INSTALLATION CONDITION

Center column trim will be mounted on the EUT. Following distances are closest distance that passenger can be located around product. There would be no case that user can be located closer than these distances.





APPENDIX B1 – VEHICLE INSTALLATION CONDITION

Center column trim will be mounted on the EUT. Following distances are closest distance that passenger can be located around product. There would be no case that user can be located closer than these distances.

