



America

5945 Cabot Parkway, Suite 100
Alpharetta, GA 30005

September 20, 2017

TÜV SÜD TCB
5945 Cabot Parkway, Suite 100
Alpharetta, GA 30005

Re: FCC ID: YKD-25STW4100-019

To Whom It May Concern:

The following permissive change application is submitted on behalf of our client, L-3 Communications CyTerra Corp., for evaluation of their models Range-R 2D and Range-R 2D Link for certification under FCC Part 90, DA 09-2482.

The RANGE-R 2D is a stepped-frequency continuous-wave (SFCW), handheld radar for motion detection of human targets through walls constructed of common building materials.

The system is comprised of a stepped-frequency continuous wave (SFCW) radar transceiver, digital signal processor (DSP), display and power supply electronics enclosed in a rugged, water-resistant, light-weight plastic housing. The operator controls consist solely of the two momentary pushbutton switches located on the sides of the unit.

The RANGE-R 2D cycles through a sequence of frequencies from 3.1 GHz to 3.5 GHz. At each of the frequencies, it transmits a maximum CW power level of 31.6 milliwatts with no modulation.

The Range-R2D Link differs from the Range-R2D by providing WLAN capabilities and an external connector allowing the use of an external power supply. The WLAN module (FCC ID: YKD25STW4100-029) is present in both models but is only active within the Range-R2D Link variant.

The purpose of the permissive change is to evaluate the impact of depopulation of components of the digital circuits of device.

The Range-R 2D and Range-R 2D Link was tested in full to the requirements of the aforementioned rules and was found to be in compliance.

Sincerely,

A handwritten signature in black ink that reads "R. Sam Wismer".

Sam Wismer
Southeast Regional Manager - EMC
TÜV SÜD America Inc.