

Annex acc. to FCC Title 47 CFR Part 15 relating to
Hirschmann Car Communication GmbH 920510A

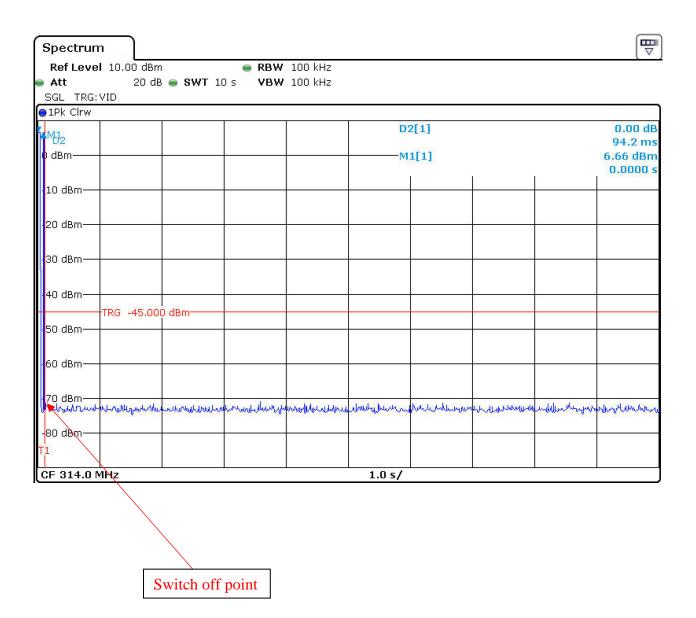
## Annex no. 11 Periodic Operation Characteristics

Title 47 - Telecommunication
Part 15 - Radio Frequency Devices
Subpart C – Intentional Radiators
ANSI C63.4-2014
ANSI C63.10-2013



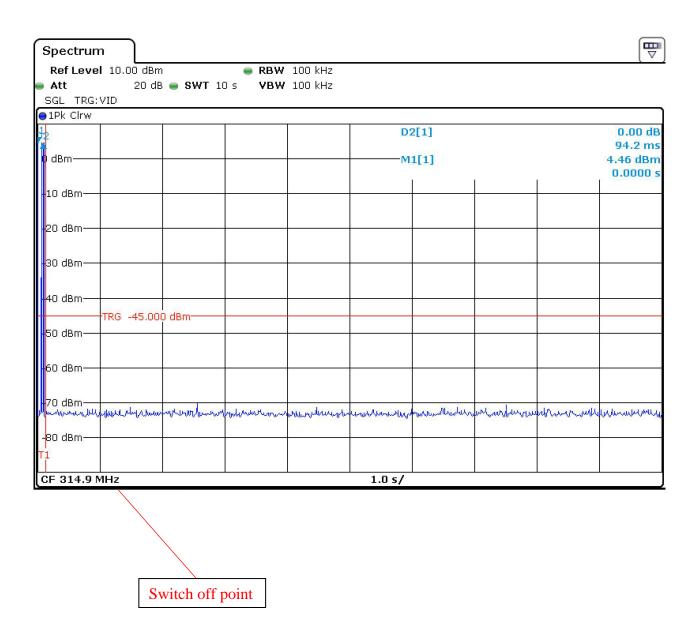


Total transmission time (deactivation time) (channel 1)



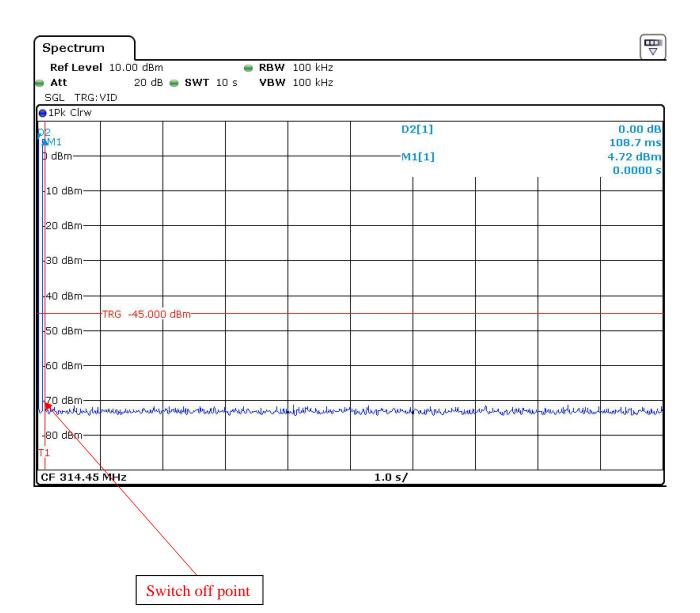


Total transmission time (deactivation time) (channel 2)





**Total transmission time (deactivation time)** (channel 2)



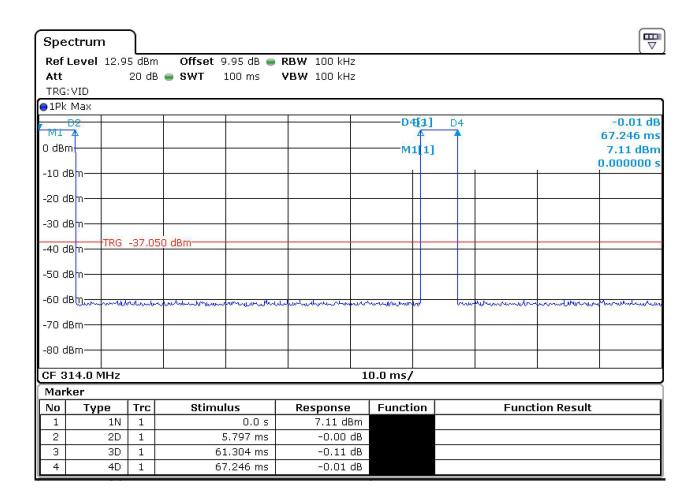
Date: 2016-08-19 Created: P9 Controlled: P4 Released: P1 Vers. no. 2.16

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Total transmission time (Remote access) (channel 1)

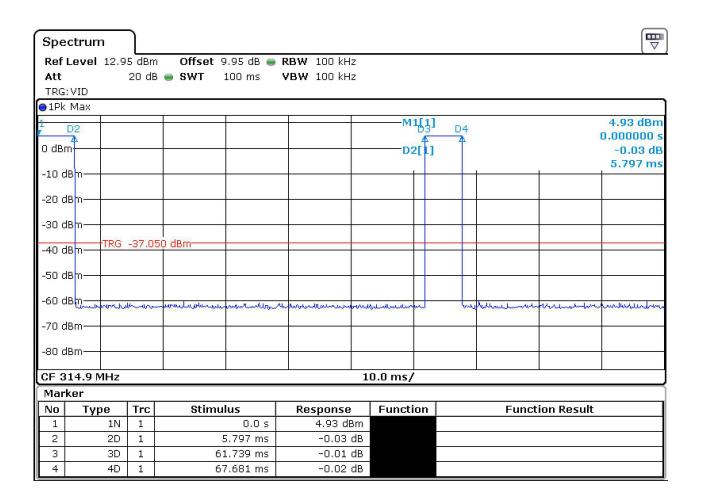


first telegram: 5.8 ms second telegram: 5.9 ms

worst case transmission in any 100 ms time period during pulse train = 11.7 ms



**Total transmission time (Remote access)** (channel 2)

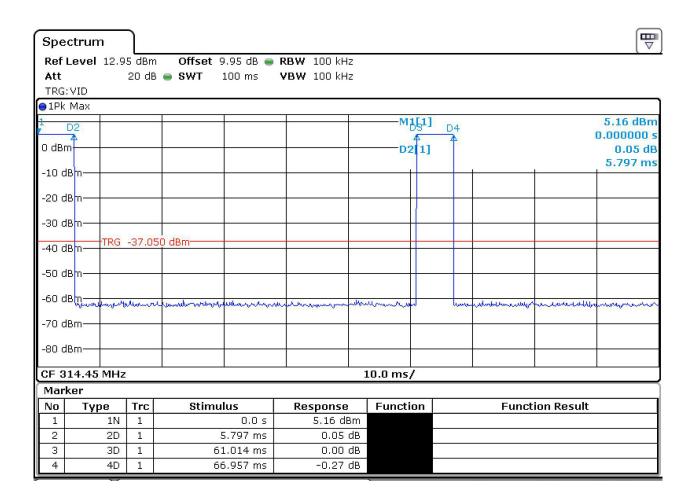


first telegram: 5.8 ms second telegram: 5.9 ms

worst case transmission in any 100 ms time period during pulse train = 11.7 ms



Total transmission time (Remote access) (channel 3)



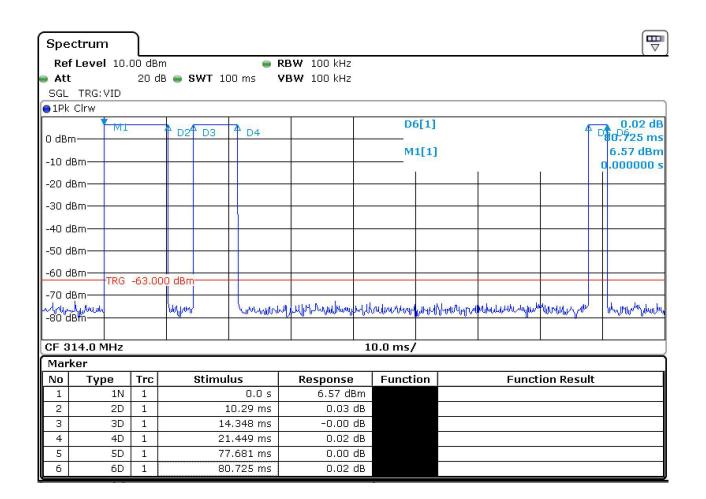
first telegram: 5.8 ms second telegram: 5.9 ms

worst case transmission in any 100 ms time period during pulse train = 11.7 ms



**Total transmission time (Keyless Go access)** 

(channel 1)



first telegram: 10.3 ms second telegram: 7.1 ms third telegram: 3.0 ms

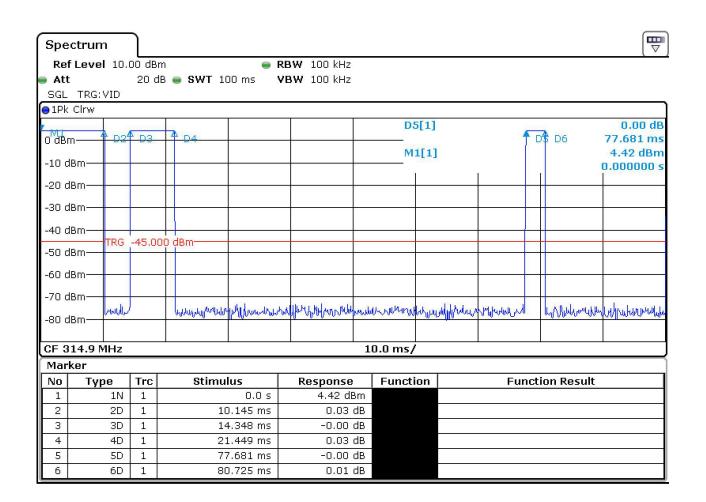
worst case transmission in any 100 ms time period during pulse train = 20.4 ms

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**Total transmission time (Keyless Go access)** 

(channel 2)



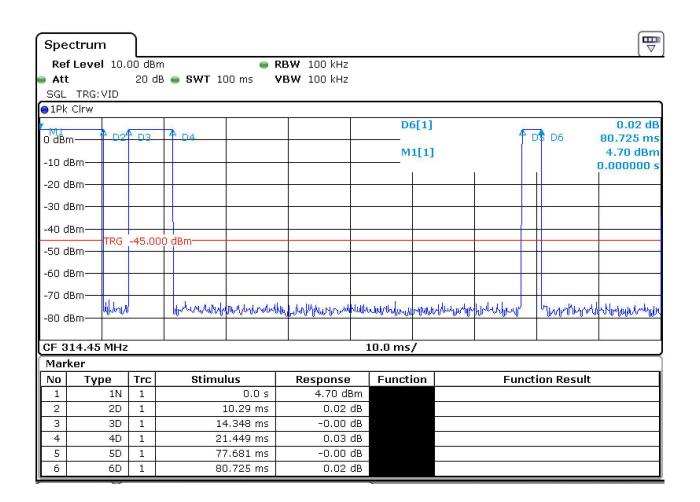
first telegram: 10.1 ms second telegram: 7.1 ms third telegram: 3.0 ms

worst case transmission in any 100 ms time period during pulse train = 20.2 ms



Total transmission time (Keyless Go access)

(channel 3)



first telegram: 10.3 ms second telegram: 7.1 ms third telegram: 3.0 ms

worst case transmission in any 100 ms time period during pulse train = 20.4 ms



Calculating the averaging factor

The worst-case transmission time per channel is 20.4 ms in a 100 ms time sweep.

The averaging factor was calculated by the following formula:

Averaging factor =  $20*log (TX_{ON}/100 ms)$ 

= 20\*log (20.4 / 100ms)

= -13.8 dB

(Worst case declared by the manufacturer = -13.7 dB)