

**Annex acc. to FCC Title 47 CFR Part 15
relating to
Hirschmann Car Communication GmbH
920287B**

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**



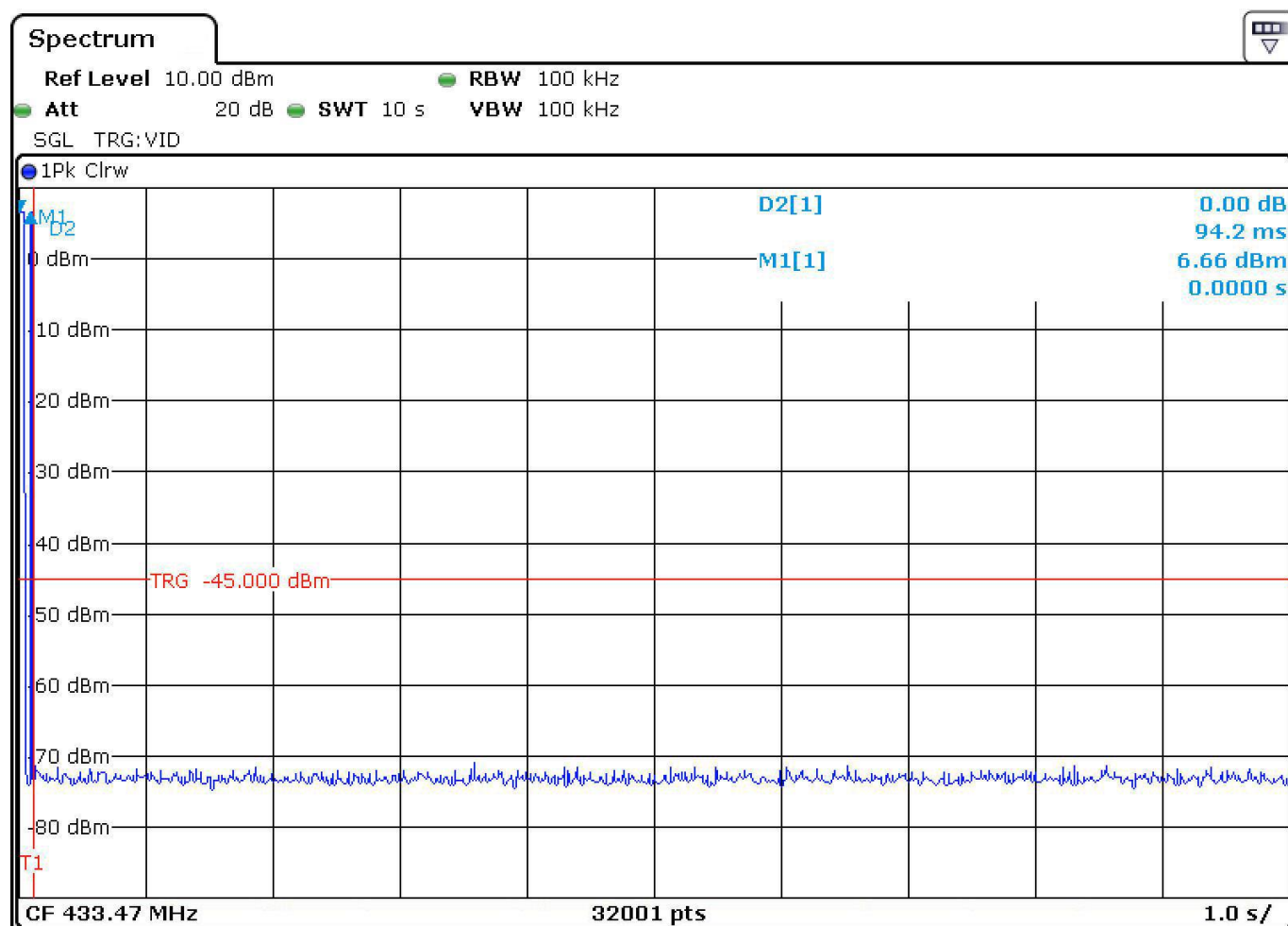
Deutsche
Akkreditierungsstelle
D-PL-12053-01-00

EUT: 920287B

FCC ID: XTJ920287D

FCC Title 47 CFR Part 15

Date of issue: 2019-01-15

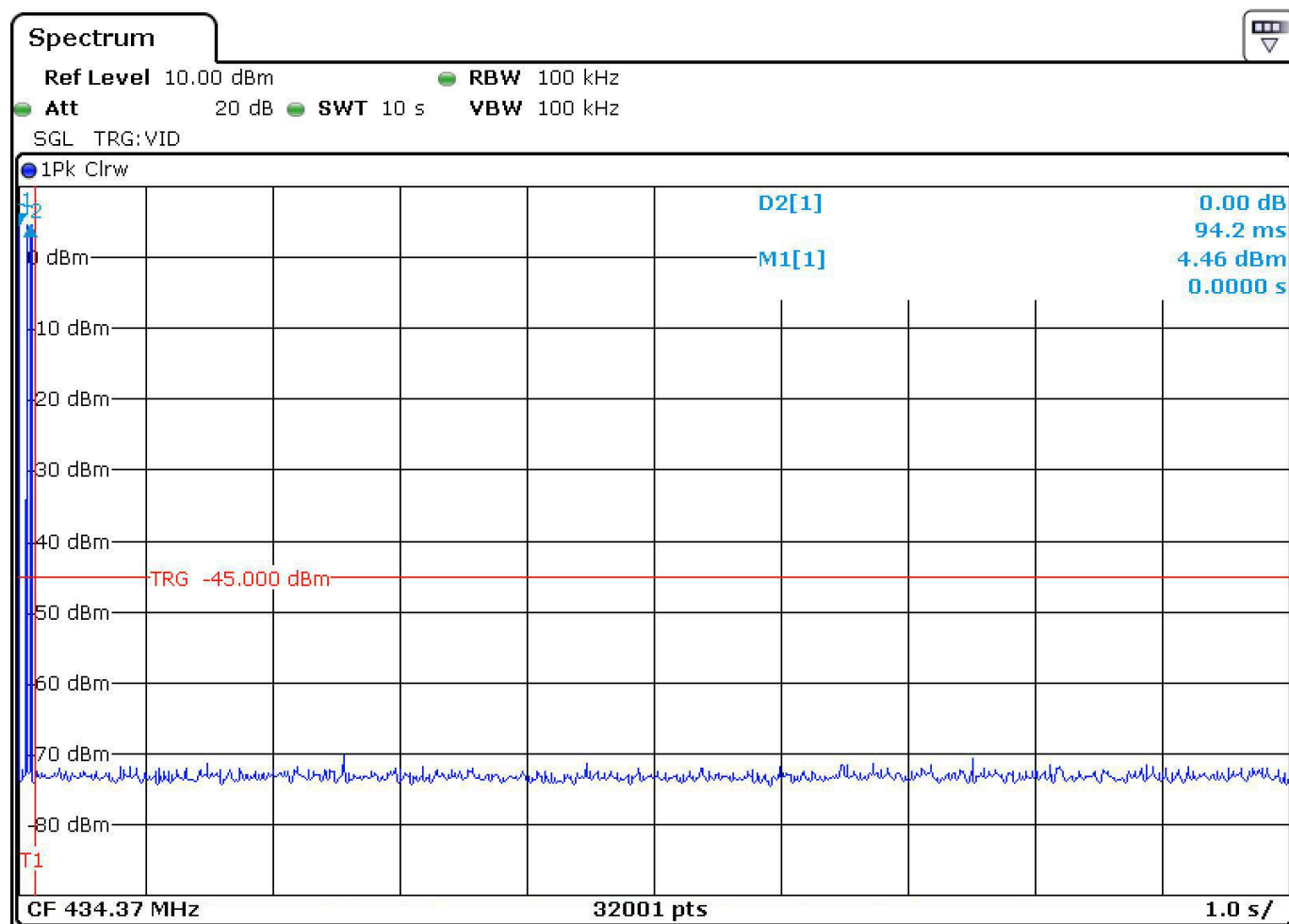
**Total transmission time (deactivation time)
(channel 1)****T1 = Switch off Point**

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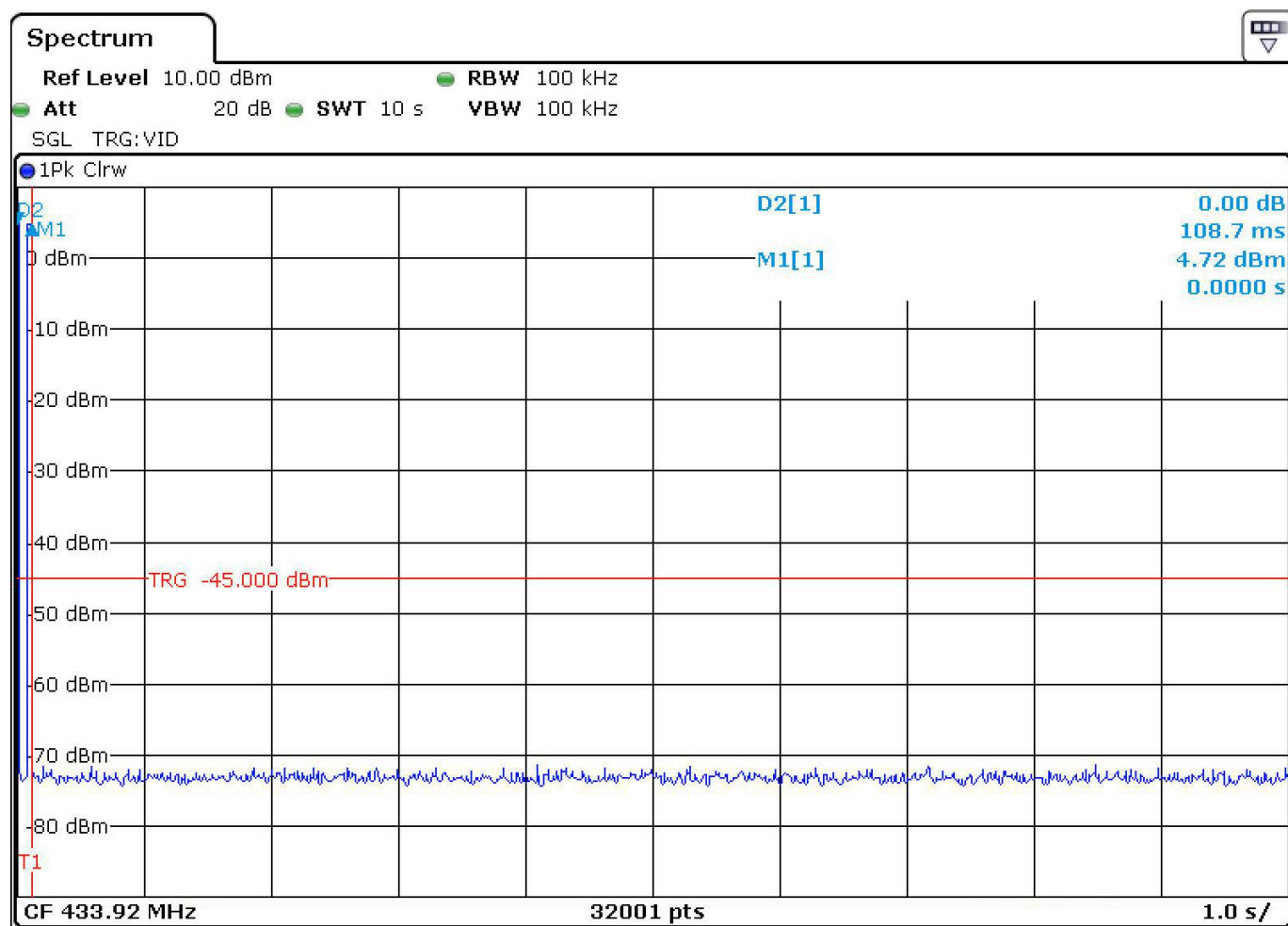
**Total transmission time (deactivation time)
(channel 2)****T1 = Switch off Point**

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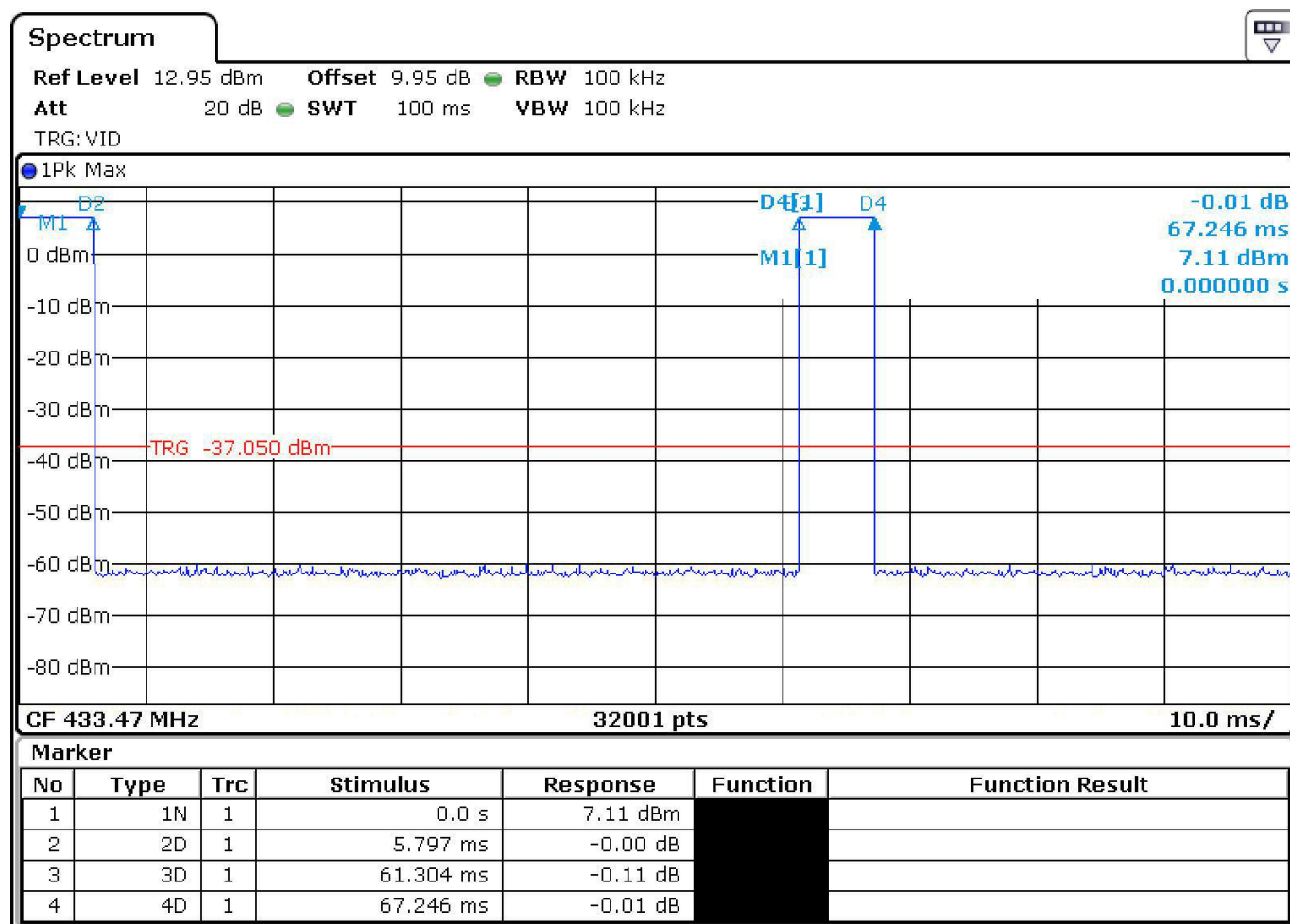
**Total transmission time (deactivation time)
(channel 3)****T1 = Switch off Point**

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**Total transmission time (Remote access)
(channel 1)**

first telegram: 5.8 ms

second telegram: 5.9 ms

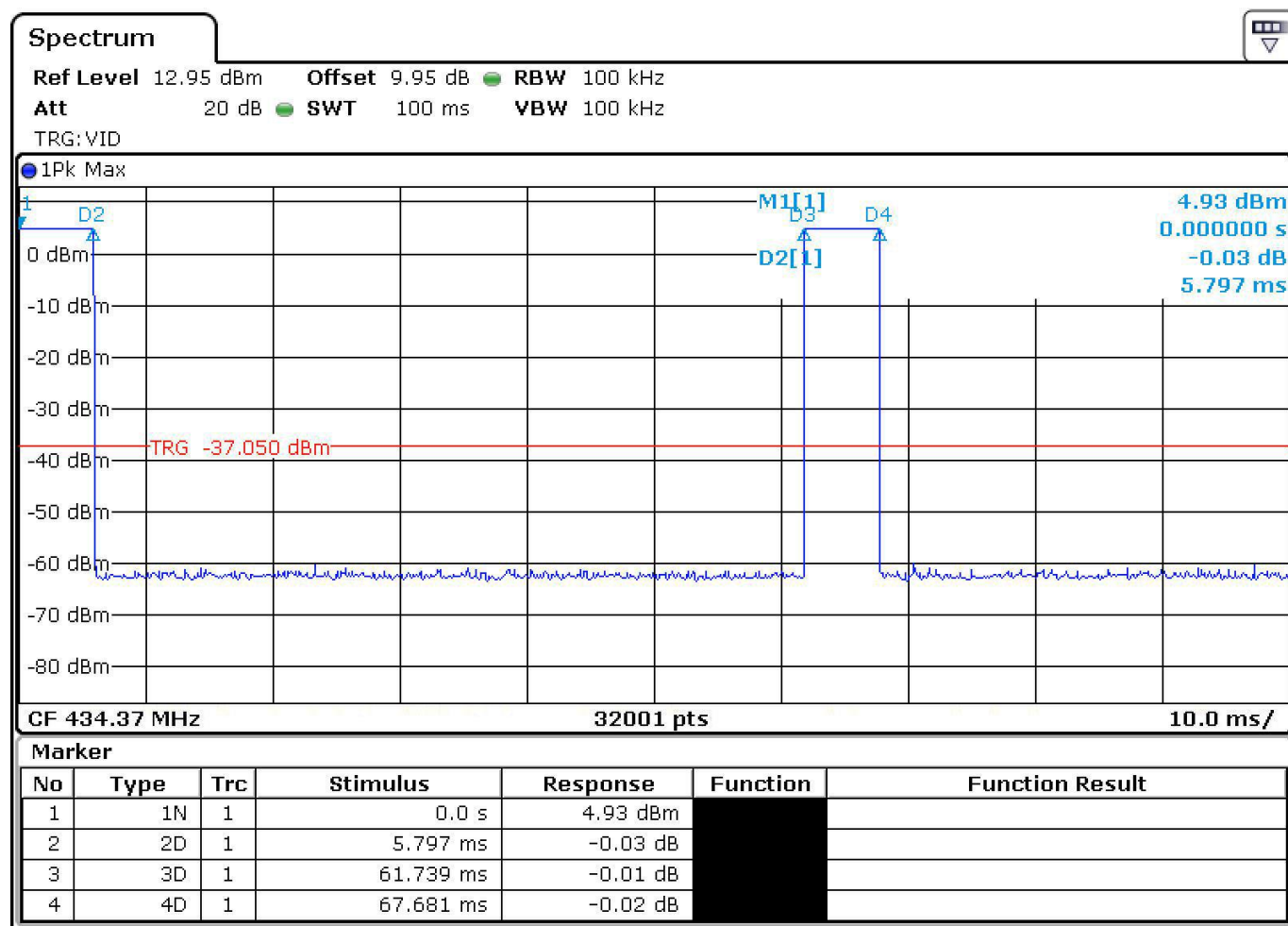
worst case transmission in any 100 ms time period during pulse train = 11.7 ms

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

first telegram: 5.8 ms

second telegram: 5.9 ms

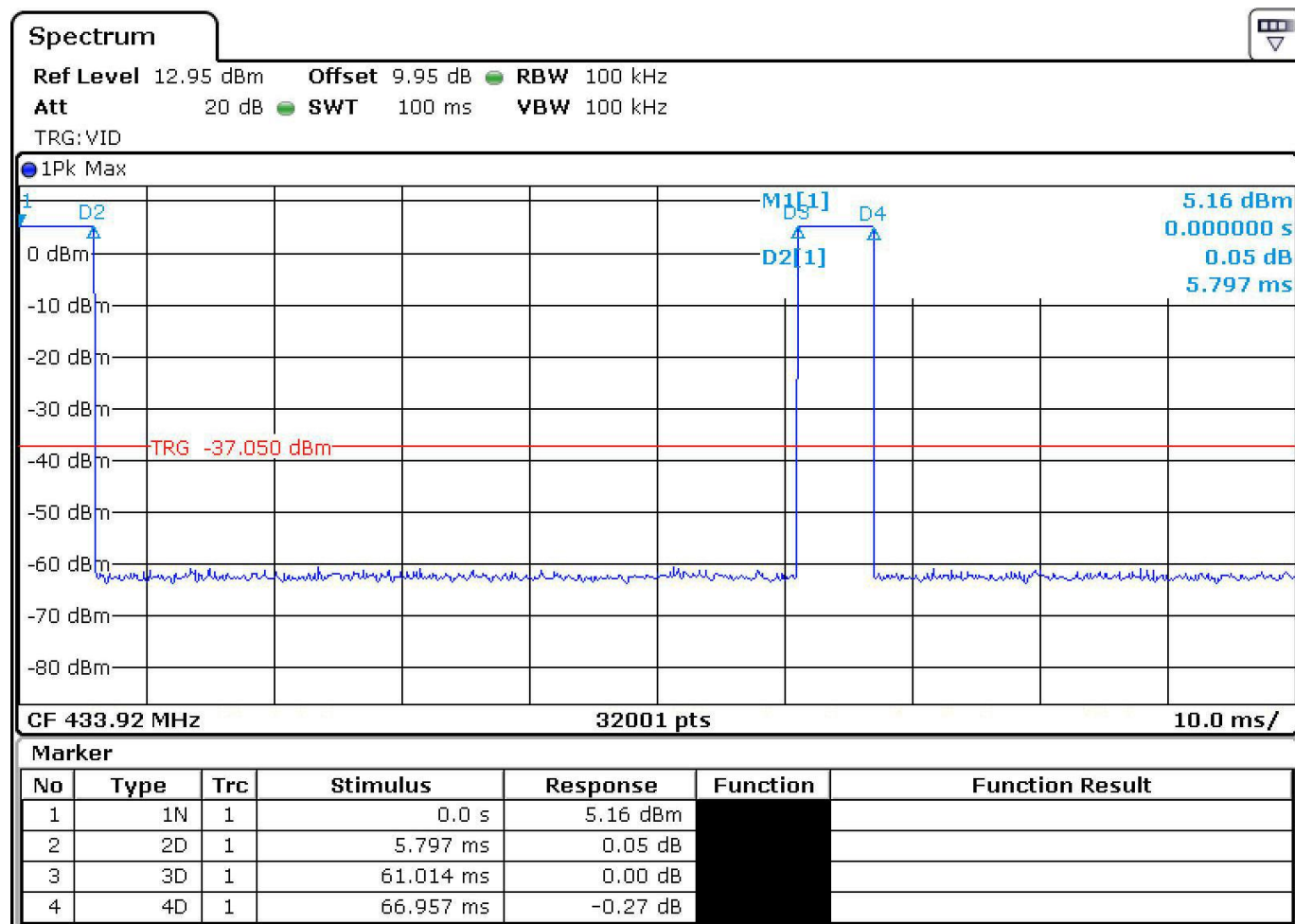
worst case transmission in any 100 ms time period during pulse train = 11.7 ms

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**Total transmission time (Remote access)
(channel 3)**

first telegram: 5.8 ms
second telegram: 5.9 ms

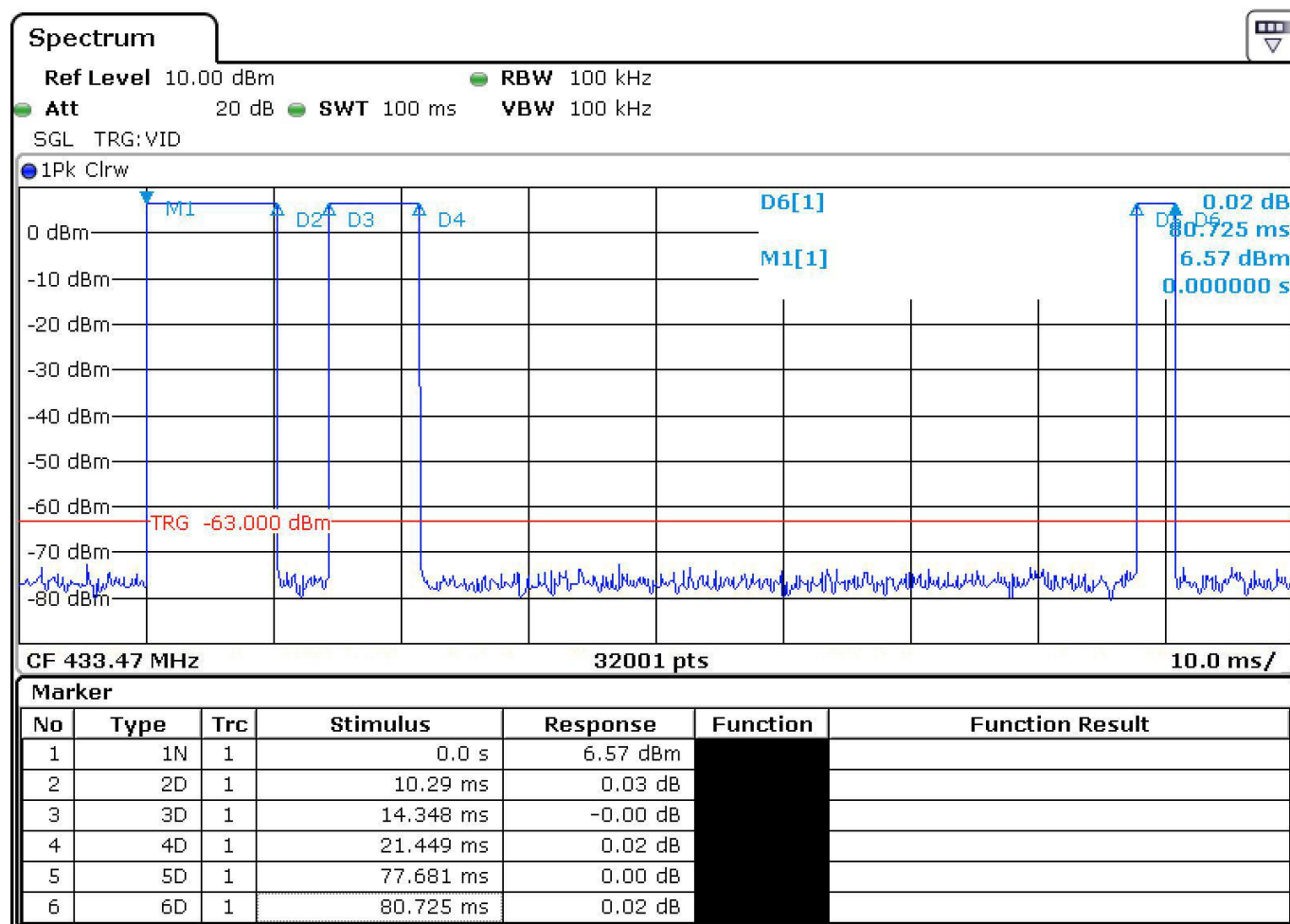
worst case transmission in any 100 ms time period during pulse train = 11.7 ms

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**Total transmission time (Keyless Go access)
(channel 1)**


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

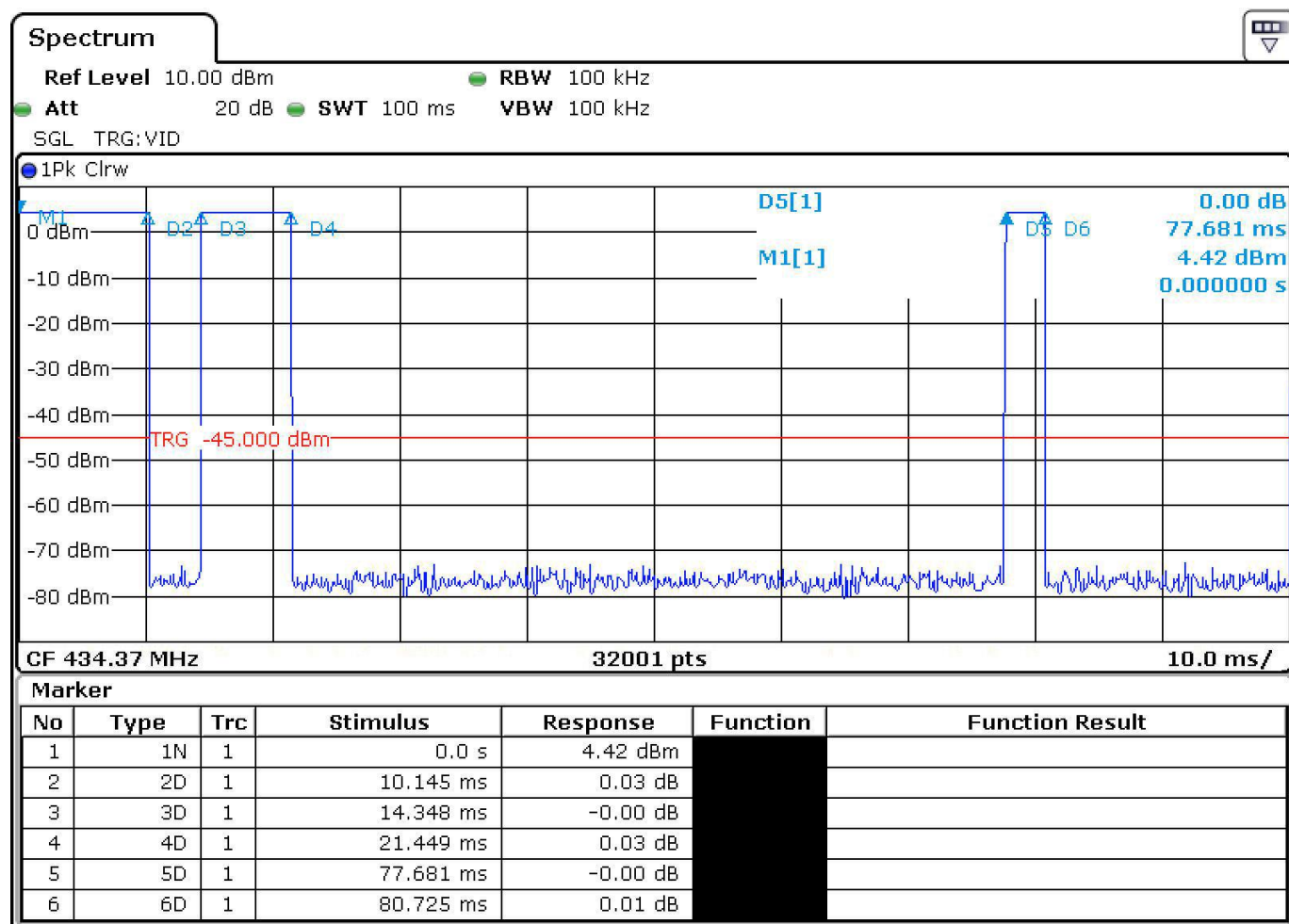
worst case transmission in any 100 ms time period during pulse train = 20.4 ms

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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

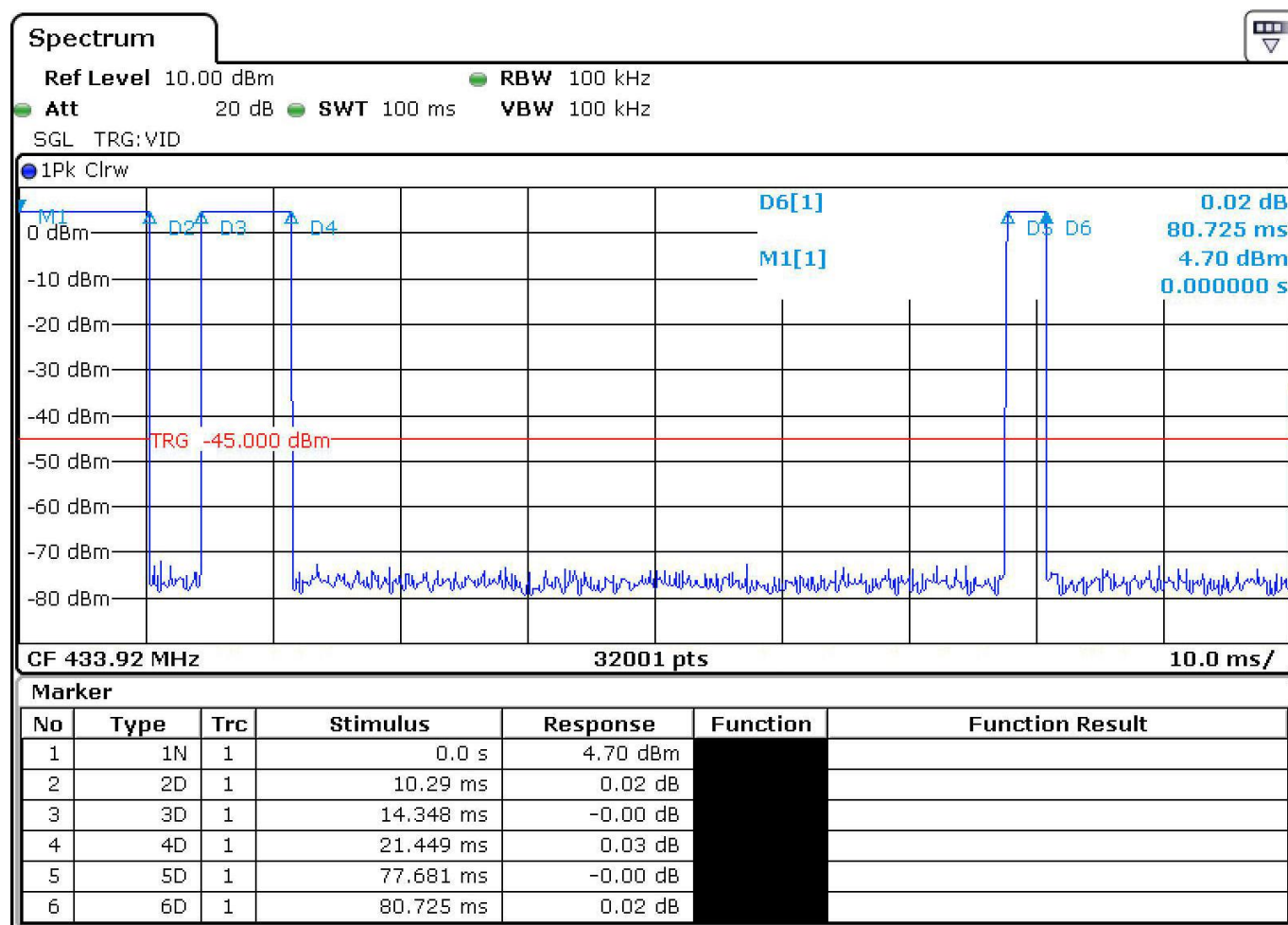
worst case transmission in any 100 ms time period during pulse train = 20.2 ms

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**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

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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:

$$\begin{aligned}\text{Averaging factor} &= 20 \cdot \log(\text{TX}_{\text{ON}} / 100 \text{ ms}) \\ &= 20 \cdot \log(20.4 / 100 \text{ ms}) \\ &= -13.8 \text{ dB}\end{aligned}$$

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