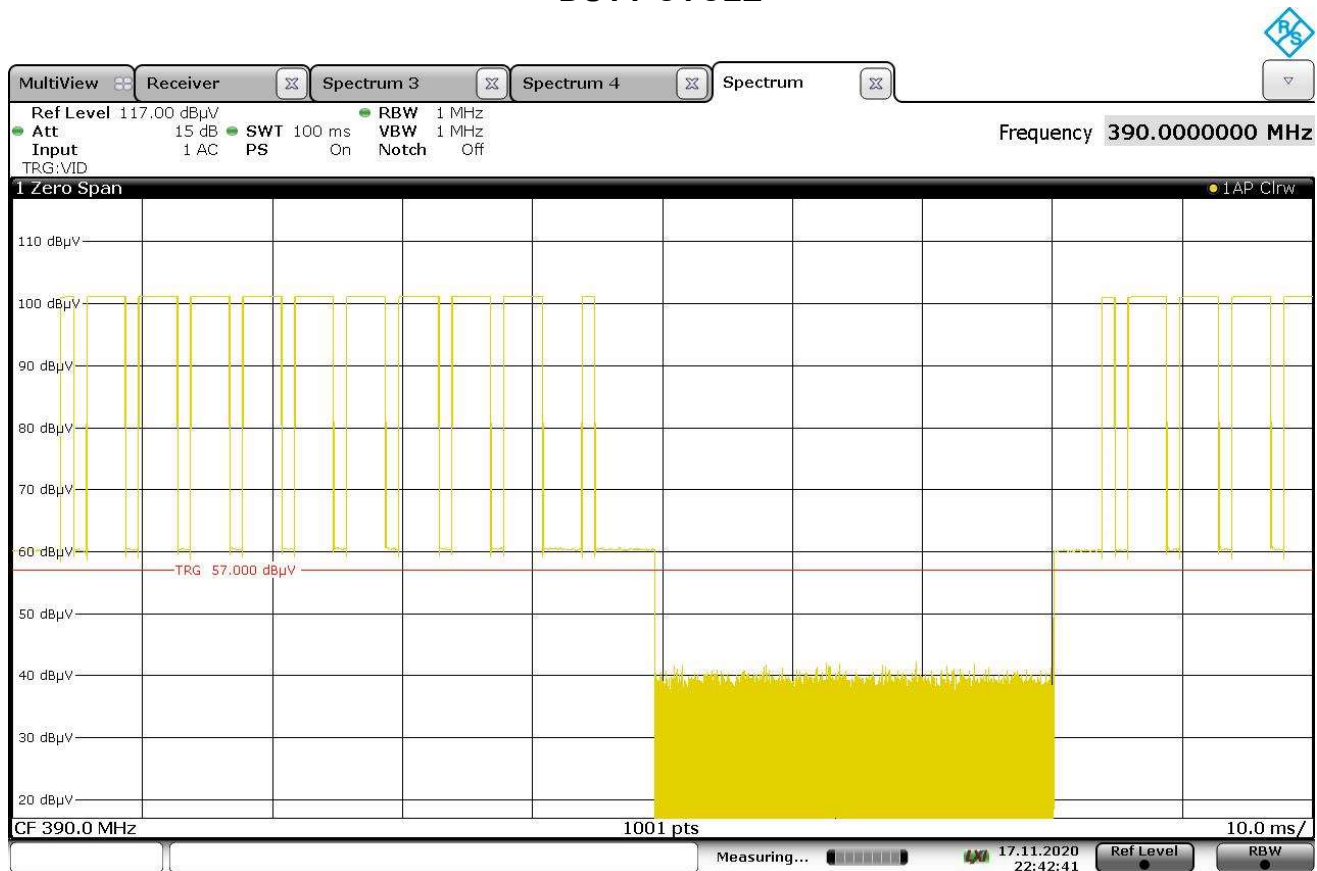


### DATA PAGE

|                          |                                                                                                                                                                                               |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>MANUFACTURER</b>      | The Chamberlain Group, Inc.                                                                                                                                                                   |
| <b>EUT</b>               | Automotive Transceiver for Garage Door Control                                                                                                                                                |
| <b>MODEL NO.</b>         | CDMRAA0101E3 (ARQ2-UGDO)                                                                                                                                                                      |
| <b>TEST</b>              | FCC §15.231, RSS-210 Duty Cycle                                                                                                                                                               |
| <b>MODE</b>              | Tx                                                                                                                                                                                            |
| <b>FREQUENCY TESTED</b>  | 390MHz (9 DIP Code - Chamberlain)                                                                                                                                                             |
| <b>DATE TESTED</b>       | November 17, 2020                                                                                                                                                                             |
| <b>TEST PERFORMED BY</b> | Tylar Jozefczyk                                                                                                                                                                               |
| <b>NOTES</b>             | Duty Cycle Calculation:<br>$12.5 \times 3.0\text{ms} = 37.5\text{ms}$<br>$3 \times 1.0\text{ms} = 3.0\text{ms}$<br>$37.5 + 3.0 = 40.5\text{ms}$<br>$D.C = 20\log(40.5/100) = -10.75\text{dB}$ |

### DUTY CYCLE

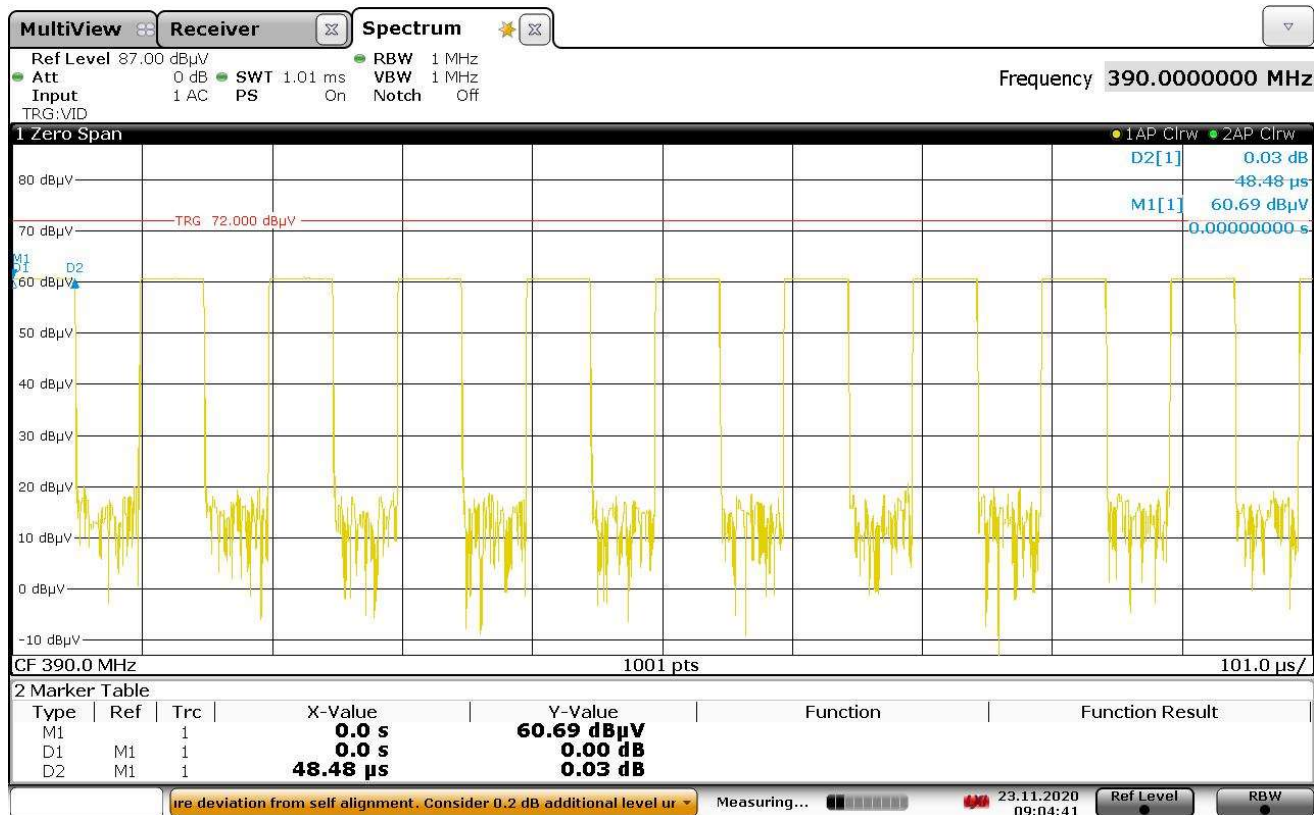


22:42:41 17.11.2020

## DATA PAGE

|                          |                                                |
|--------------------------|------------------------------------------------|
| <b>MANUFACTURER</b>      | The Chamberlain Group, Inc.                    |
| <b>EUT</b>               | Automotive Transceiver for Garage Door Control |
| <b>MODEL NO.</b>         | CDMRAA0101E3 (ARQ2-UGDO)                       |
| <b>TEST</b>              | FCC §15.231, RSS-210 Duty Cycle                |
| <b>MODE</b>              | Tx                                             |
| <b>FREQUENCY TESTED</b>  | 390MHz (9 DIP Code - Genie)                    |
| <b>DATE TESTED</b>       | November 17, 2020                              |
| <b>TEST PERFORMED BY</b> | Tylar Jozefczyk                                |
| <b>NOTES</b>             | Wide Pulse = 48.48µs = 0.048ms                 |

## DUTY CYCLE – WIDE PULSE

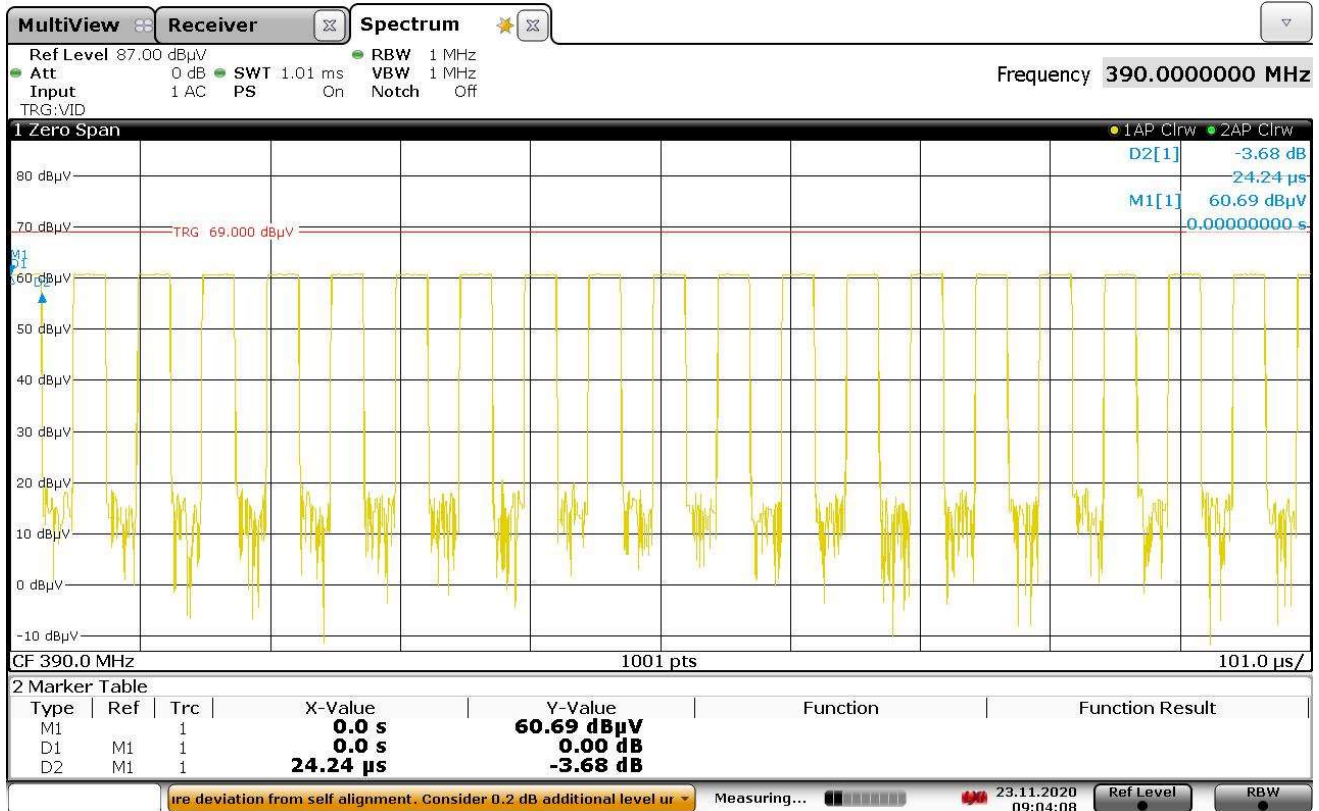


09:04:41 23.11.2020

### DATA PAGE

|                   |                                                |
|-------------------|------------------------------------------------|
| MANUFACTURER      | The Chamberlain Group, Inc.                    |
| EUT               | Automotive Transceiver for Garage Door Control |
| MODEL NO.         | CDMRAA0101E3 (ARQ2-UGDO)                       |
| TEST              | FCC §15.231, RSS-210 Duty Cycle                |
| MODE              | Tx                                             |
| FREQUENCY TESTED  | 390MHz (9 DIP Code - Genie)                    |
| DATE TESTED       | November 17, 2020                              |
| TEST PERFORMED BY | Tylar Jozefczyk                                |
| NOTES             | Narrow Pulse = 24.0µs = 0.024ms                |

### DUTY CYCLE – NARROW PULSE

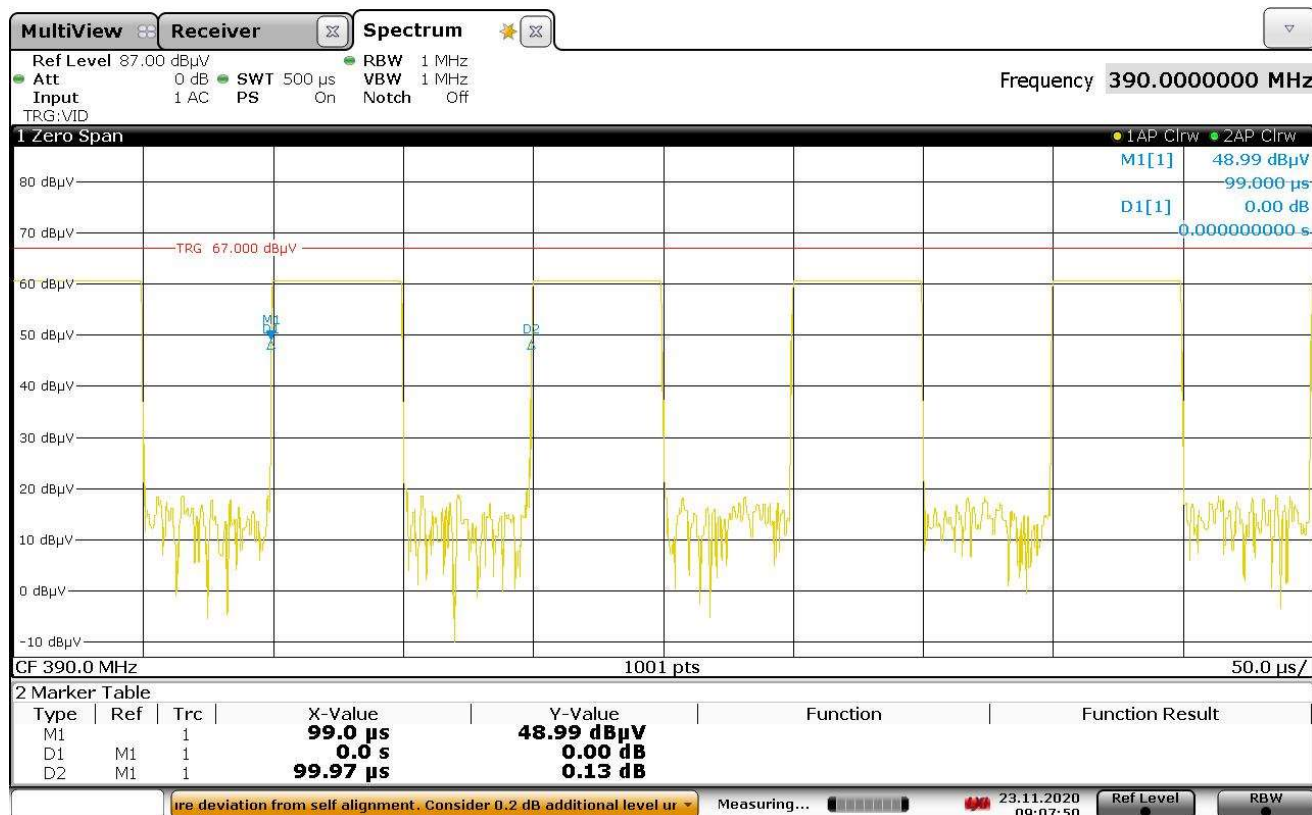


09:04:09 23.11.2020

## DATA PAGE

|                          |                                                |
|--------------------------|------------------------------------------------|
| <b>MANUFACTURER</b>      | The Chamberlain Group, Inc.                    |
| <b>EUT</b>               | Automotive Transceiver for Garage Door Control |
| <b>MODEL NO.</b>         | CDMRAA0101E3 (ARQ2-UGDO)                       |
| <b>TEST</b>              | FCC §15.231, RSS-210 Duty Cycle                |
| <b>MODE</b>              | Tx                                             |
| <b>FREQUENCY TESTED</b>  | 390MHz (9 DIP Code - Genie)                    |
| <b>DATE TESTED</b>       | November 17, 2020                              |
| <b>TEST PERFORMED BY</b> | Tylar Jozefczyk                                |
| <b>NOTES</b>             |                                                |

## DUTY CYCLE -PULSE

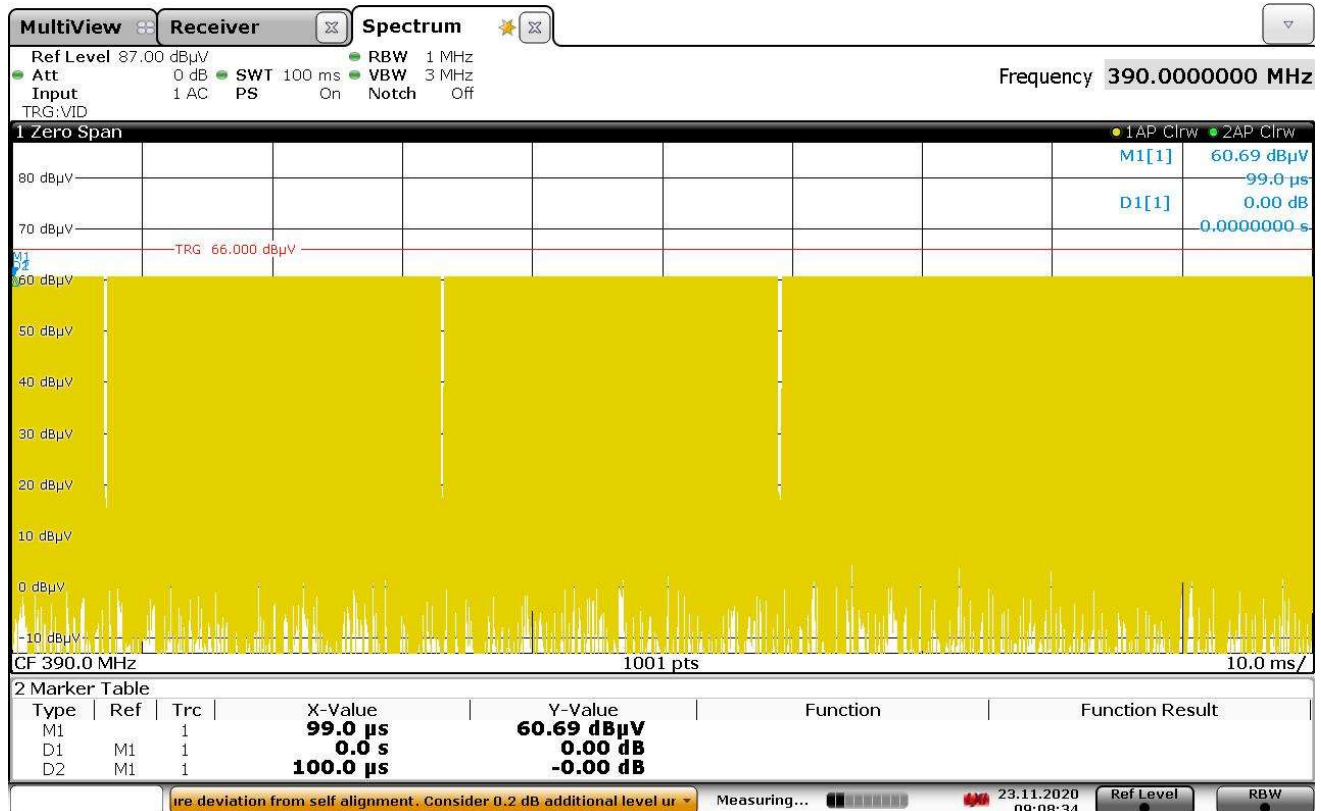


09:07:50 23.11.2020

## DATA PAGE

|                          |                                                             |
|--------------------------|-------------------------------------------------------------|
| <b>MANUFACTURER</b>      | The Chamberlain Group, Inc.                                 |
| <b>EUT</b>               | Automotive Transceiver for Garage Door Control              |
| <b>MODEL NO.</b>         | CDMRAA0101E3 (ARQ2-UGDO)                                    |
| <b>TEST</b>              | FCC §15.231, RSS-210 Duty Cycle                             |
| <b>MODE</b>              | Tx                                                          |
| <b>FREQUENCY TESTED</b>  | 390MHz (9 DIP Code - Genie)                                 |
| <b>DATE TESTED</b>       | November 17, 2020                                           |
| <b>TEST PERFORMED BY</b> | Tylar Jozefczyk                                             |
| <b>NOTES</b>             | Provided Duty Cycle Calculation used: -6dB (50% Duty Cycle) |

## DUTY CYCLE

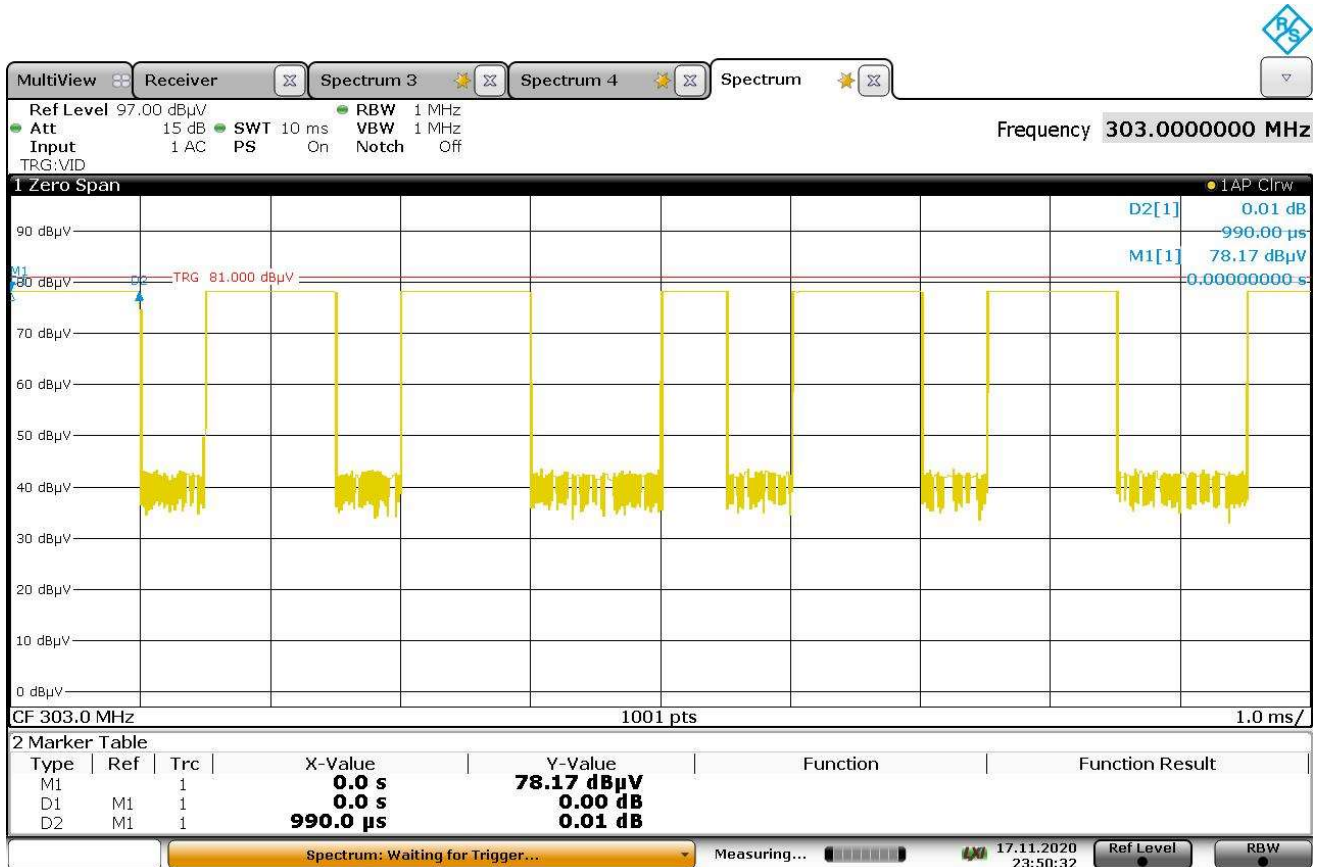


09:08:35 23.11.2020

## DATA PAGE

|                          |                                                |
|--------------------------|------------------------------------------------|
| <b>MANUFACTURER</b>      | The Chamberlain Group, Inc.                    |
| <b>EUT</b>               | Automotive Transceiver for Garage Door Control |
| <b>MODEL NO.</b>         | CDMRAA0101E3 (ARQ2-UGDO)                       |
| <b>TEST</b>              | FCC §15.231, RSS-210 Duty Cycle                |
| <b>MODE</b>              | Tx                                             |
| <b>FREQUENCY TESTED</b>  | 303MHz (Fixed Long Code)                       |
| <b>DATE TESTED</b>       | November 17, 2020                              |
| <b>TEST PERFORMED BY</b> | Tylar Jozefczyk                                |
| <b>NOTES</b>             | Wide Pulse = 990.0µs = 0.99ms                  |

## DUTY CYCLE – WIDE PULSE

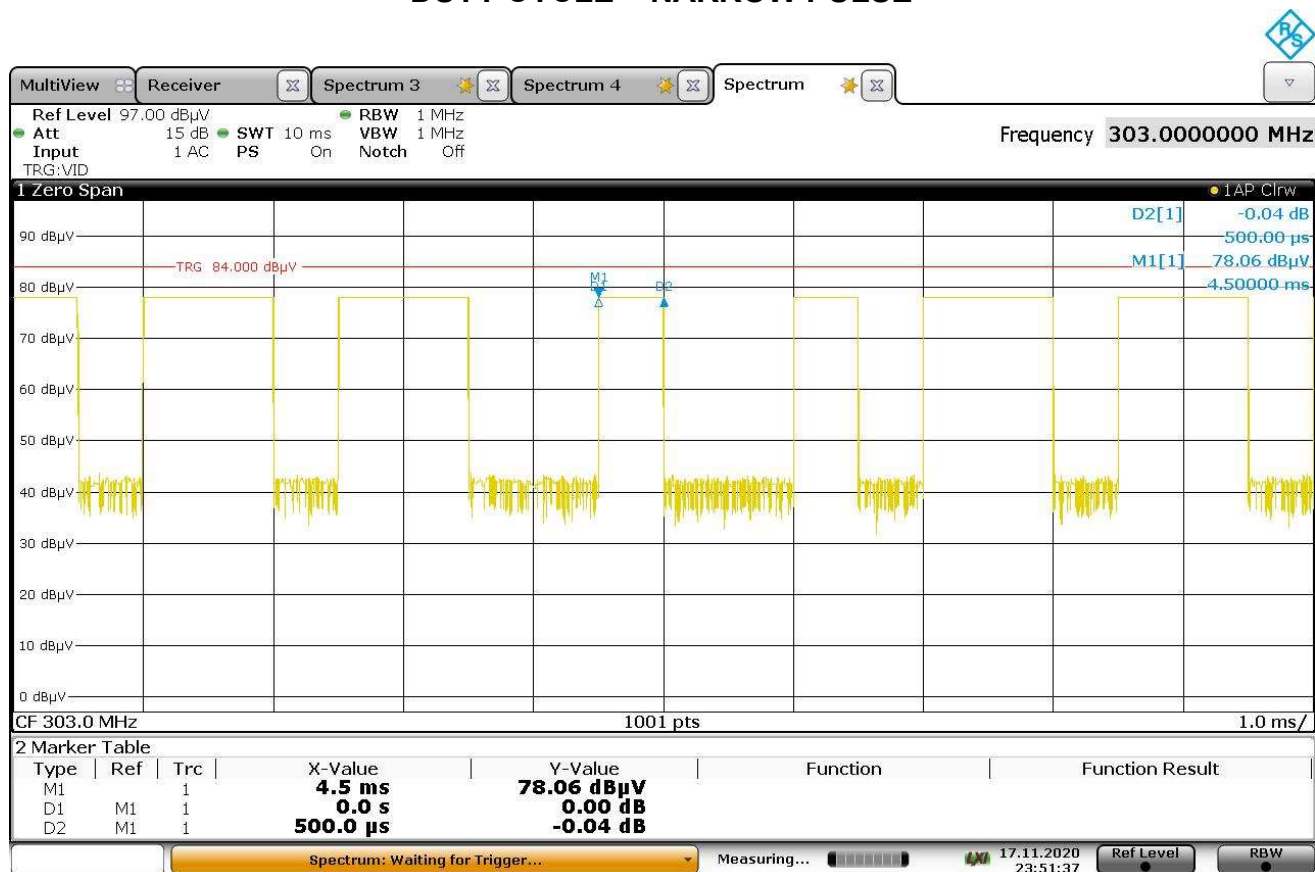


23:50:33 17.11.2020

## DATA PAGE

|                          |                                                |
|--------------------------|------------------------------------------------|
| <b>MANUFACTURER</b>      | The Chamberlain Group, Inc.                    |
| <b>EUT</b>               | Automotive Transceiver for Garage Door Control |
| <b>MODEL NO.</b>         | CDMRAA0101E3 (ARQ2-UGDO)                       |
| <b>TEST</b>              | FCC §15.231, RSS-210 Duty Cycle                |
| <b>MODE</b>              | Tx                                             |
| <b>FREQUENCY TESTED</b>  | 303MHz (Fixed Long Code)                       |
| <b>DATE TESTED</b>       | November 17, 2020                              |
| <b>TEST PERFORMED BY</b> | Tylar Jozefczyk                                |
| <b>NOTES</b>             | Narrow Pulse = 500.0µs = 0.5ms                 |

## DUTY CYCLE – NARROW PULSE

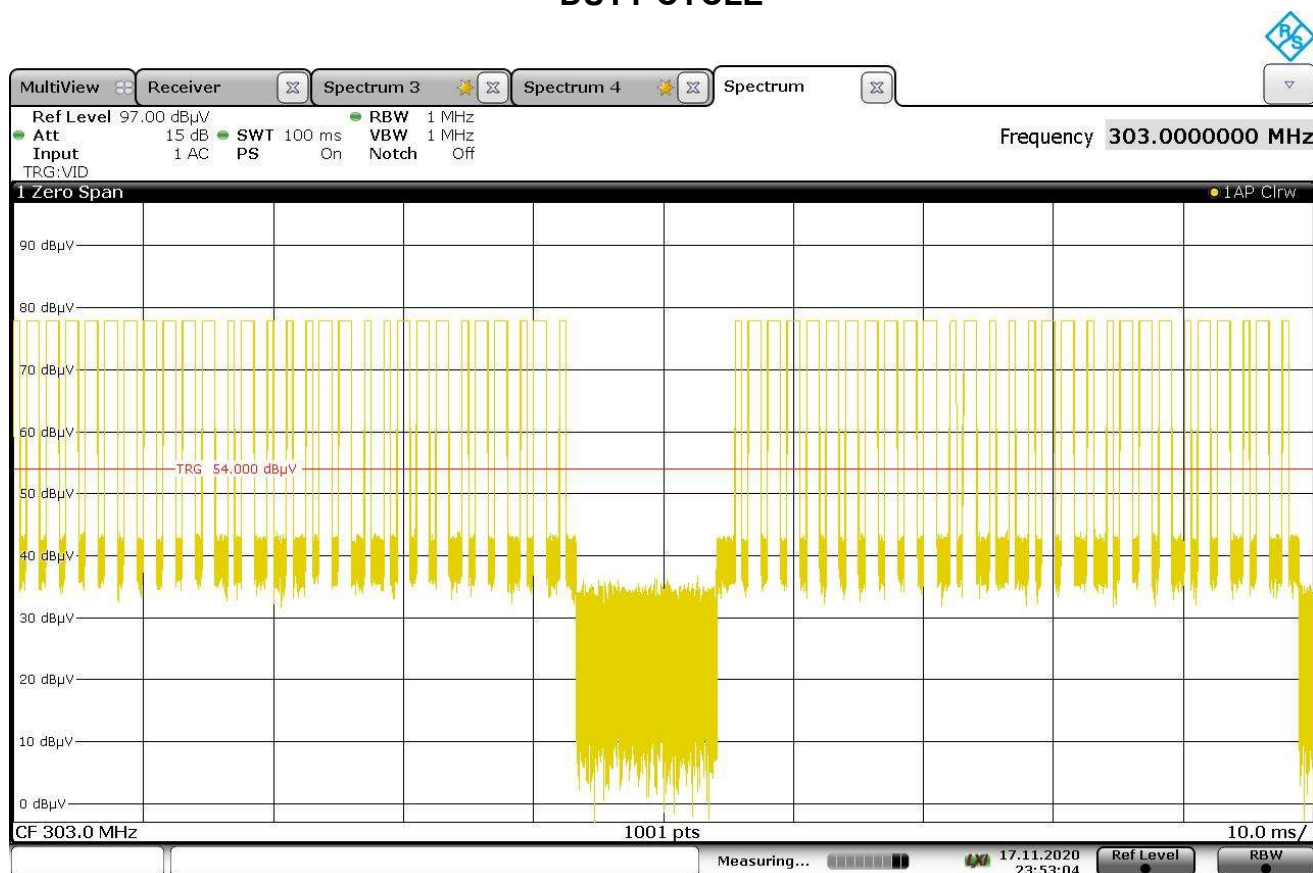


23:51:38 17.11.2020

## DATA PAGE

|                          |                                                                                                                                                                                                           |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>MANUFACTURER</b>      | The Chamberlain Group, Inc.                                                                                                                                                                               |
| <b>EUT</b>               | Automotive Transceiver for Garage Door Control                                                                                                                                                            |
| <b>MODEL NO.</b>         | CDMRAA0101E3 (ARQ2-UGDO)                                                                                                                                                                                  |
| <b>TEST</b>              | FCC §15.231, RSS-210 Duty Cycle                                                                                                                                                                           |
| <b>MODE</b>              | Tx                                                                                                                                                                                                        |
| <b>FREQUENCY TESTED</b>  | 303MHz (Fixed Long Code)                                                                                                                                                                                  |
| <b>DATE TESTED</b>       | November 17, 2020                                                                                                                                                                                         |
| <b>TEST PERFORMED BY</b> | Tylar Jozefczyk                                                                                                                                                                                           |
| <b>NOTES</b>             | Duty Cycle Calculation:<br>$38 \times 0.99\text{ms} = 37.62\text{ms}$<br>$20 \times 0.5\text{ms} = 10.0\text{ms}$<br>$37.62 + 10.0 = 47.62\text{ms}$<br>$\text{D.C} = 20\log(47.62/100) = -6.44\text{dB}$ |

## DUTY CYCLE

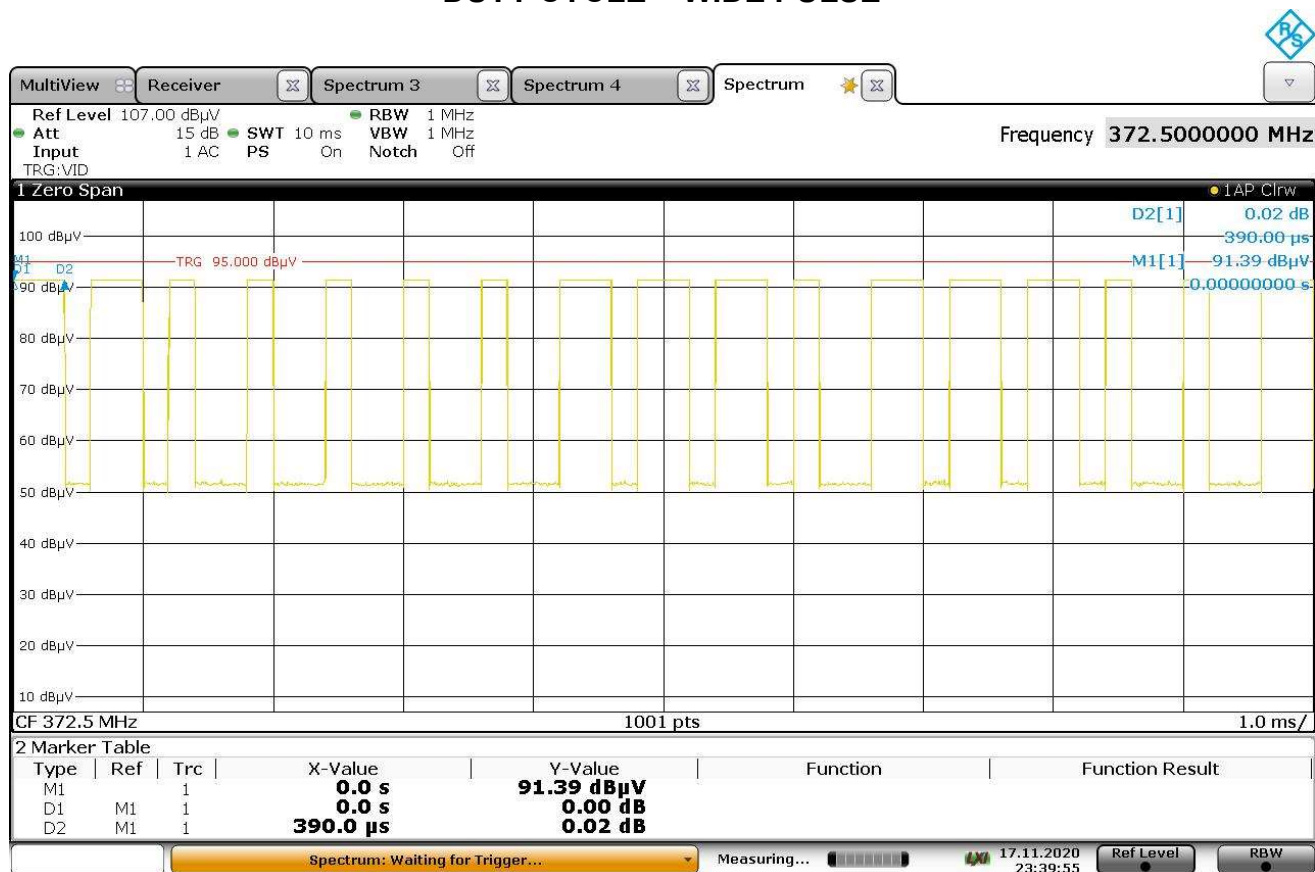


23:53:05 17.11.2020

# DATA PAGE

|                   |                                                |
|-------------------|------------------------------------------------|
| MANUFACTURER      | The Chamberlain Group, Inc.                    |
| EUT               | Automotive Transceiver for Garage Door Control |
| MODEL NO.         | CDMRAA0101E3 (ARQ2-UGDO)                       |
| TEST              | FCC §15.231, RSS-210 Duty Cycle                |
| MODE              | Tx                                             |
| FREQUENCY TESTED  | 372.5MHz (Rolling Code - Ryobi)                |
| DATE TESTED       | November 17, 2020                              |
| TEST PERFORMED BY | Tylar Jozefczyk                                |
| NOTES             | Wide Pulse = 390.0µs = 0.39ms                  |

## DUTY CYCLE – WIDE PULSE



23:39:56 17.11.2020

### DATA PAGE

|                          |                                                |
|--------------------------|------------------------------------------------|
| <b>MANUFACTURER</b>      | The Chamberlain Group, Inc.                    |
| <b>EUT</b>               | Automotive Transceiver for Garage Door Control |
| <b>MODEL NO.</b>         | CDMRAA0101E3 (ARQ2-UGDO)                       |
| <b>TEST</b>              | FCC §15.231, RSS-210 Duty Cycle                |
| <b>MODE</b>              | Tx                                             |
| <b>FREQUENCY TESTED</b>  | 372.5MHz (Rolling Code - Ryobi)                |
| <b>DATE TESTED</b>       | November 17, 2020                              |
| <b>TEST PERFORMED BY</b> | Tylar Jozefczyk                                |
| <b>NOTES</b>             | Narrow Pulse = 200.0µs = 0.2ms                 |

### DUTY CYCLE – NARROW PULSE

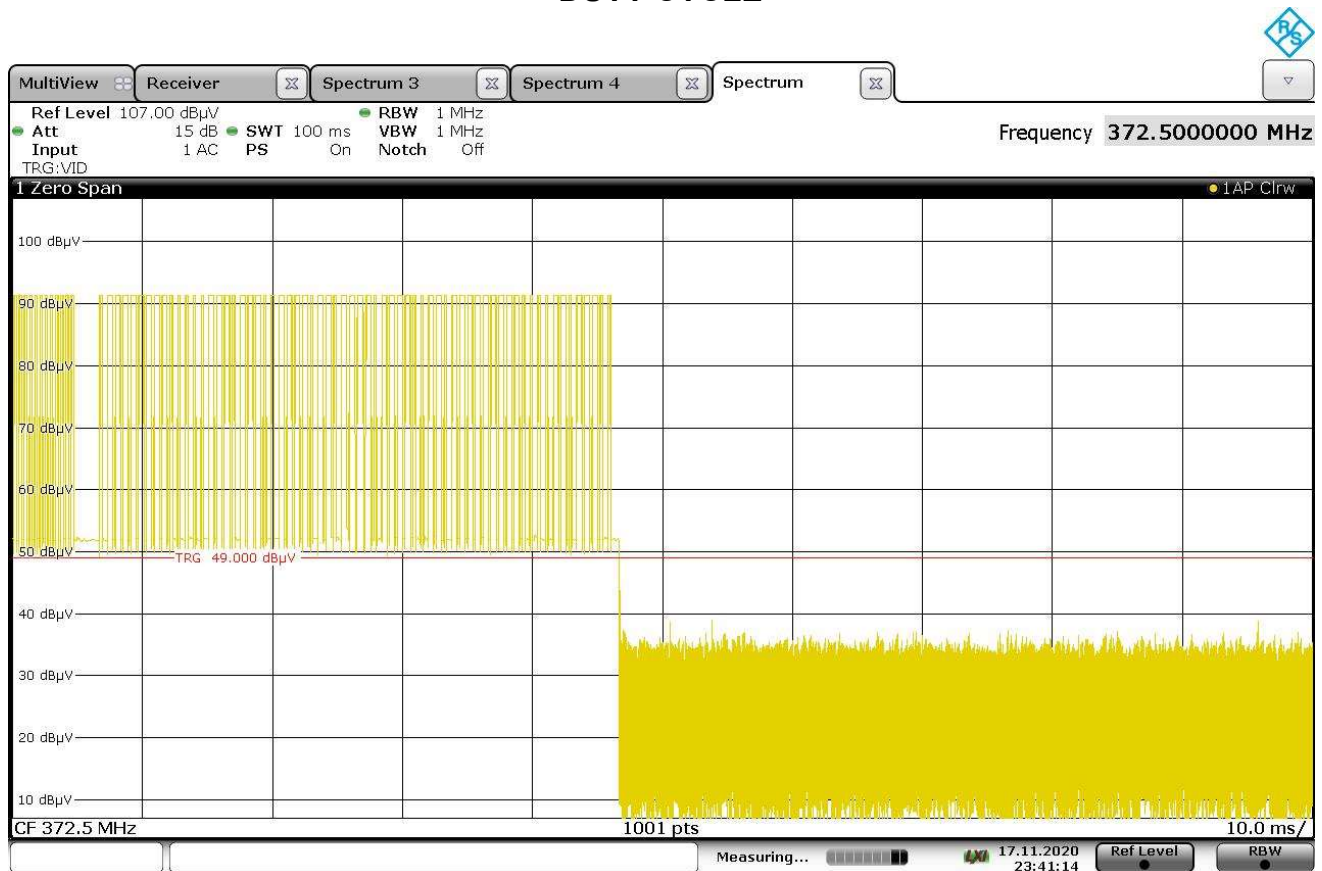


23:40:43 17.11.2020

**DATA PAGE**

|                          |                                                                                                                                                                                                                   |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>MANUFACTURER</b>      | The Chamberlain Group, Inc.                                                                                                                                                                                       |
| <b>EUT</b>               | Automotive Transceiver for Garage Door Control                                                                                                                                                                    |
| <b>MODEL NO.</b>         | CDMRAA0101E3 (ARQ2-UGDO)                                                                                                                                                                                          |
| <b>TEST</b>              | FCC §15.231, RSS-210 Duty Cycle                                                                                                                                                                                   |
| <b>MODE</b>              | Tx                                                                                                                                                                                                                |
| <b>FREQUENCY TESTED</b>  | 372.5MHz (Rolling Code - Ryobi)                                                                                                                                                                                   |
| <b>DATE TESTED</b>       | November 17, 2020                                                                                                                                                                                                 |
| <b>TEST PERFORMED BY</b> | Tylar Jozefczyk                                                                                                                                                                                                   |
| <b>NOTES</b>             | Duty Cycle Calculation:<br>$44 \times 0.39\text{ms} = 17.16\text{ms}$<br>$34 \times 0.2\text{ms} = 6.8\text{ms}$<br>$17.16 + 6.8 = 23.96\text{ms}$<br>$\text{D.C} = 20\log(23.96/100) = \mathbf{-12.41\text{dB}}$ |

## DUTY CYCLE

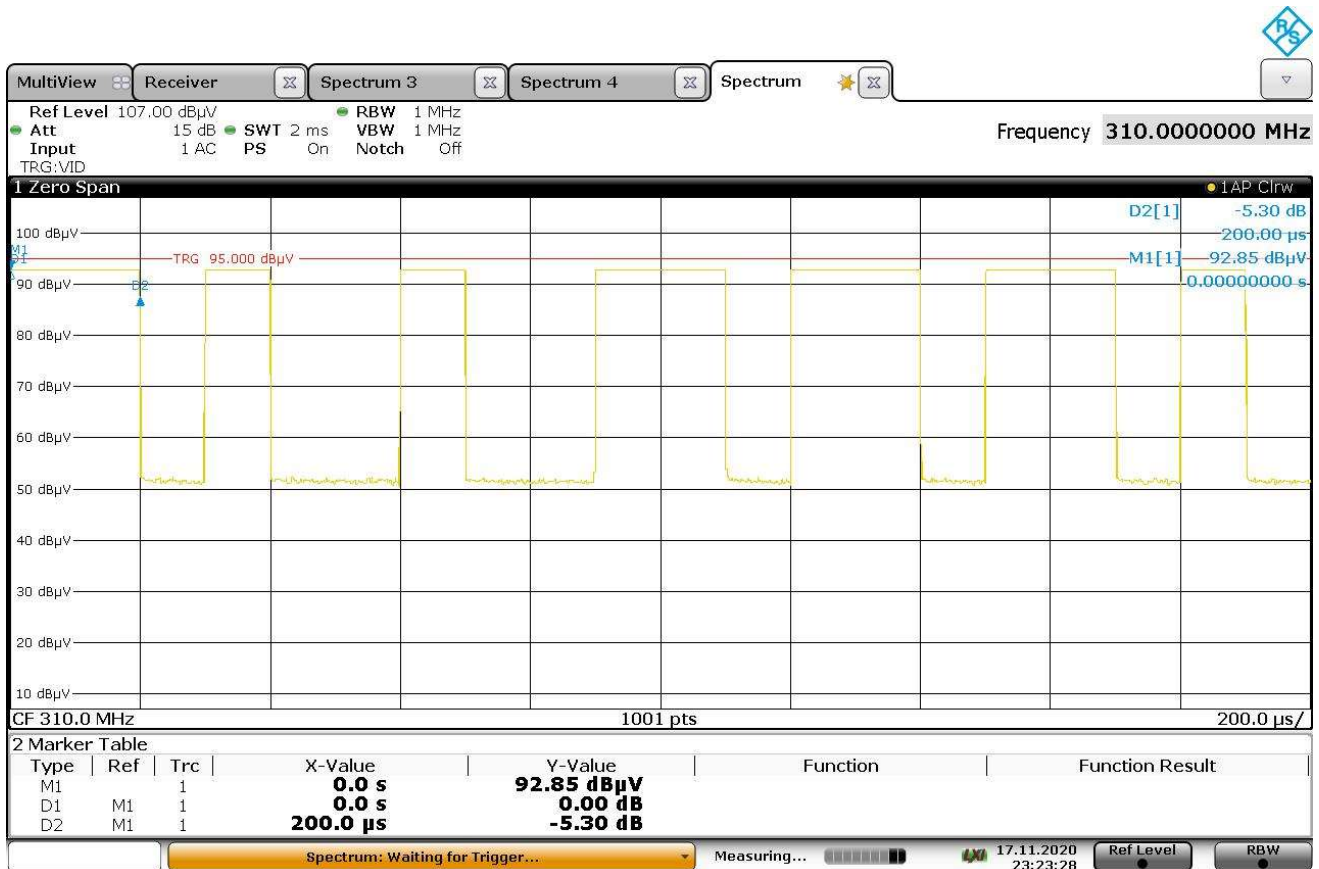


23:41:15 17.11.2020

**DATA PAGE**

|                          |                                                |
|--------------------------|------------------------------------------------|
| <b>MANUFACTURER</b>      | The Chamberlain Group, Inc.                    |
| <b>EUT</b>               | Automotive Transceiver for Garage Door Control |
| <b>MODEL NO.</b>         | CDMRAA0101E3 (ARQ2-UGDO)                       |
| <b>TEST</b>              | FCC §15.231, RSS-210 Duty Cycle                |
| <b>MODE</b>              | Tx                                             |
| <b>FREQUENCY TESTED</b>  | 310MHz (Rolling Code)                          |
| <b>DATE TESTED</b>       | November 17, 2020                              |
| <b>TEST PERFORMED BY</b> | Tylar Jozefczyk                                |
| <b>NOTES</b>             | Wide Pulse = 200.0μs = 0.2ms                   |

## DUTY CYCLE – WIDE PULSE

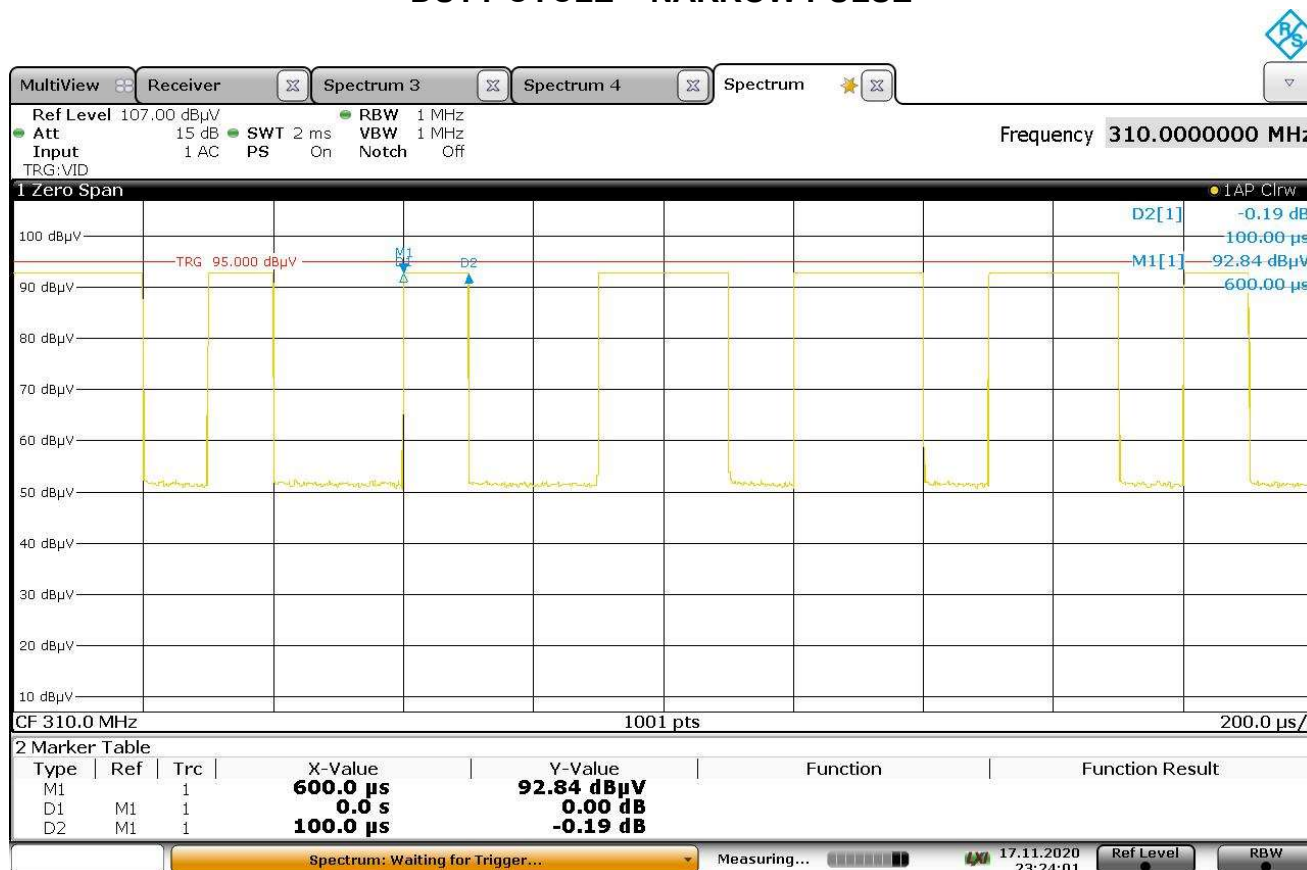


23:23:29 17.11.2020

## DATA PAGE

|                          |                                                |
|--------------------------|------------------------------------------------|
| <b>MANUFACTURER</b>      | The Chamberlain Group, Inc.                    |
| <b>EUT</b>               | Automotive Transceiver for Garage Door Control |
| <b>MODEL NO.</b>         | CDMRAA0101E3 (ARQ2-UGDO)                       |
| <b>TEST</b>              | FCC §15.231, RSS-210 Duty Cycle                |
| <b>MODE</b>              | Tx                                             |
| <b>FREQUENCY TESTED</b>  | 310MHz (Rolling Code)                          |
| <b>DATE TESTED</b>       | November 17, 2020                              |
| <b>TEST PERFORMED BY</b> | Tylar Jozefczyk                                |
| <b>NOTES</b>             | Narrow Pulse = 100.0µs = 0.1ms                 |

## DUTY CYCLE – NARROW PULSE

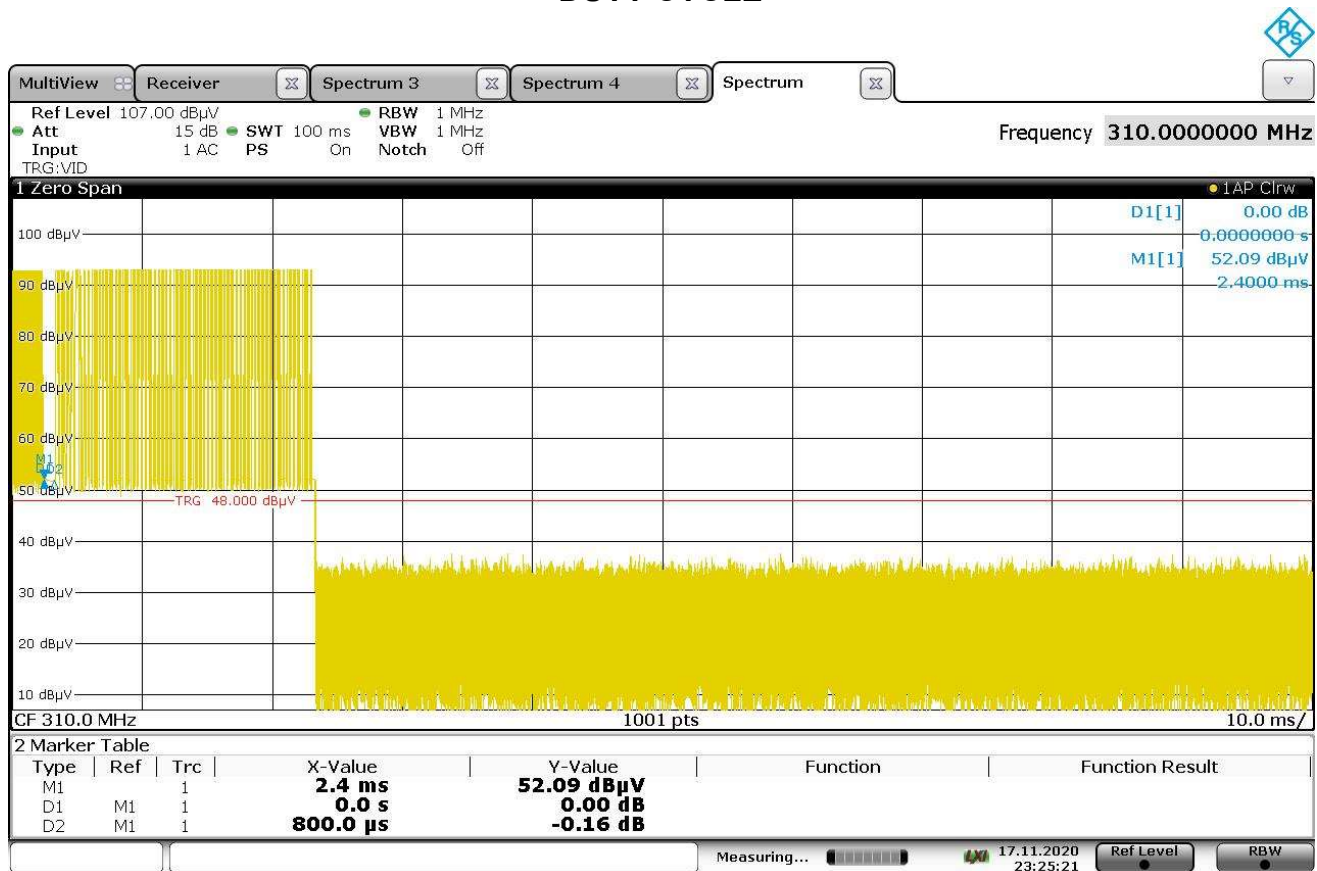


23:24:01 17.11.2020

### DATA PAGE

|                   |                                                                                                                                                                                         |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MANUFACTURER      | The Chamberlain Group, Inc.                                                                                                                                                             |
| EUT               | Automotive Transceiver for Garage Door Control                                                                                                                                          |
| MODEL NO.         | CDMRAA0101E3 (ARQ2-UGDO)                                                                                                                                                                |
| TEST              | FCC §15.231, RSS-210 Duty Cycle                                                                                                                                                         |
| MODE              | Tx                                                                                                                                                                                      |
| FREQUENCY TESTED  | 310MHz (Rolling Code)                                                                                                                                                                   |
| DATE TESTED       | November 17, 2020                                                                                                                                                                       |
| TEST PERFORMED BY | Tylar Jozefczyk                                                                                                                                                                         |
| NOTES             | Duty Cycle Calculation:<br>$44 \times 0.2\text{ms} = 8.4\text{ms}$<br>$36 \times 0.1\text{ms} = 3.6\text{ms}$<br>$8.4 + 3.6 = 12\text{ms}$<br>$D.C = 20\log(12/100) = -18.416\text{dB}$ |

### DUTY CYCLE



23:25:22 17.11.2020

### DATA PAGE

|                          |                                                |
|--------------------------|------------------------------------------------|
| <b>MANUFACTURER</b>      | The Chamberlain Group, Inc.                    |
| <b>EUT</b>               | Automotive Transceiver for Garage Door Control |
| <b>MODEL NO.</b>         | CDMRAA0101E3 (ARQ2-UGDO)                       |
| <b>TEST</b>              | FCC §15.231, RSS-210 Duty Cycle                |
| <b>MODE</b>              | Tx                                             |
| <b>FREQUENCY TESTED</b>  | 315MHz (Synergy Fix Code)                      |
| <b>DATE TESTED</b>       | November 17, 2020                              |
| <b>TEST PERFORMED BY</b> | Tylar Jozefczyk                                |
| <b>NOTES</b>             | Wide Pulse = 1.5ms                             |

### DUTY CYCLE – WIDE PULSE

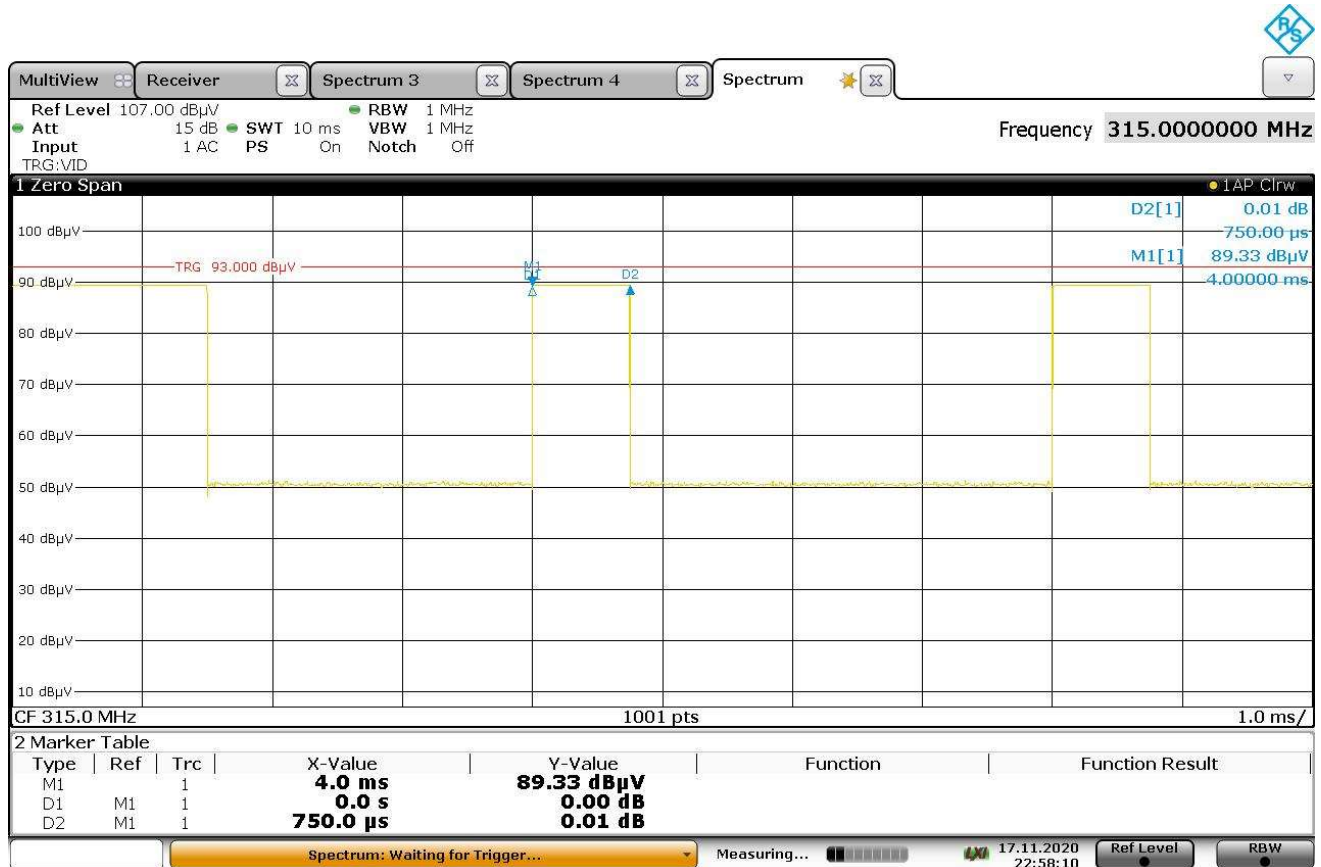


22:57:33 17.11.2020

### DATA PAGE

|                          |                                                |
|--------------------------|------------------------------------------------|
| <b>MANUFACTURER</b>      | The Chamberlain Group, Inc.                    |
| <b>EUT</b>               | Automotive Transceiver for Garage Door Control |
| <b>MODEL NO.</b>         | CDMRAA0101E3 (ARQ2-UGDO)                       |
| <b>TEST</b>              | FCC §15.231, RSS-210 Duty Cycle                |
| <b>MODE</b>              | Tx                                             |
| <b>FREQUENCY TESTED</b>  | 315MHz (Synergy Fix Code)                      |
| <b>DATE TESTED</b>       | November 17, 2020                              |
| <b>TEST PERFORMED BY</b> | Tylar Jozefczyk                                |
| <b>NOTES</b>             | Narrow Pulse = 750.0µs = 0.75ms                |

### DUTY CYCLE – NARROW PULSE



22:58:10 17.11.2020

### DATA PAGE

|                          |                                                                                                                                                                                                            |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>MANUFACTURER</b>      | The Chamberlain Group, Inc.                                                                                                                                                                                |
| <b>EUT</b>               | Automotive Transceiver for Garage Door Control                                                                                                                                                             |
| <b>MODEL NO.</b>         | CDMRAA0101E3 (ARQ2-UGDO)                                                                                                                                                                                   |
| <b>TEST</b>              | FCC §15.231, RSS-210 Duty Cycle                                                                                                                                                                            |
| <b>MODE</b>              | Tx                                                                                                                                                                                                         |
| <b>FREQUENCY TESTED</b>  | 315MHz (Synergy Fix Code)                                                                                                                                                                                  |
| <b>DATE TESTED</b>       | November 17, 2020                                                                                                                                                                                          |
| <b>TEST PERFORMED BY</b> | Tylar Jozefczyk                                                                                                                                                                                            |
| <b>NOTES</b>             | Duty Cycle Calculation:<br>$9 \times 1.5\text{ms} = 13.5\text{ms}$<br>$15 \times 0.75\text{ms} = 11.25\text{ms}$<br>$13.5 + 11.25 = 24.75\text{ms}$<br>$\text{D.C} = 20\log(24.75/100) = -12.128\text{dB}$ |

### DUTY CYCLE

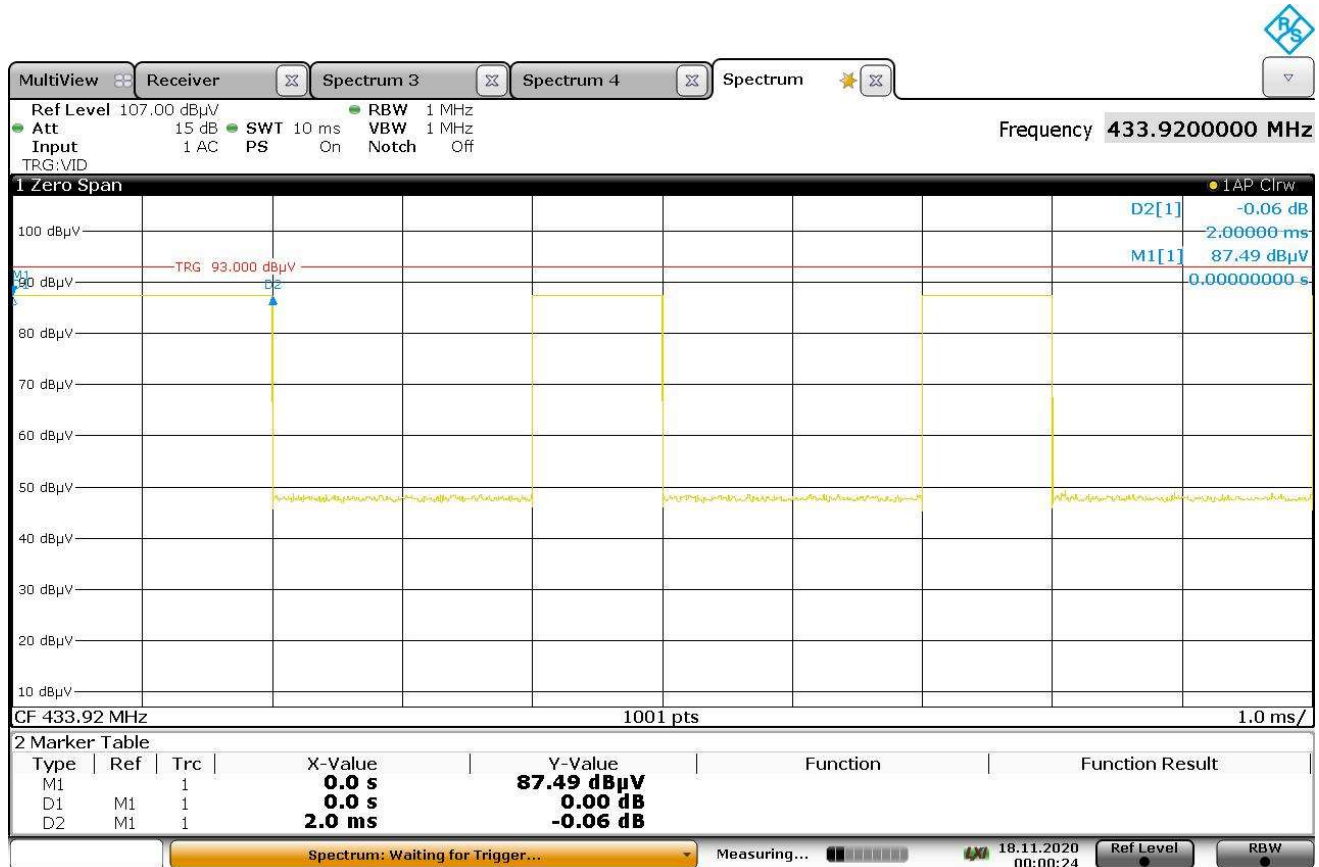


22:59:54 17.11.2020

### DATA PAGE

|                          |                                                |
|--------------------------|------------------------------------------------|
| <b>MANUFACTURER</b>      | The Chamberlain Group, Inc.                    |
| <b>EUT</b>               | Automotive Transceiver for Garage Door Control |
| <b>MODEL NO.</b>         | CDMRAA0101E3 (ARQ2-UGDO)                       |
| <b>TEST</b>              | FCC §15.231, RSS-210 Duty Cycle                |
| <b>MODE</b>              | Tx                                             |
| <b>FREQUENCY TESTED</b>  | 433.92MHz (EX Series Fix Code)                 |
| <b>DATE TESTED</b>       | November 17, 2020                              |
| <b>TEST PERFORMED BY</b> | Tylar Jozefczyk                                |
| <b>NOTES</b>             | Wide Pulse = 2.0ms                             |

### DUTY CYCLE – WIDE PULSE

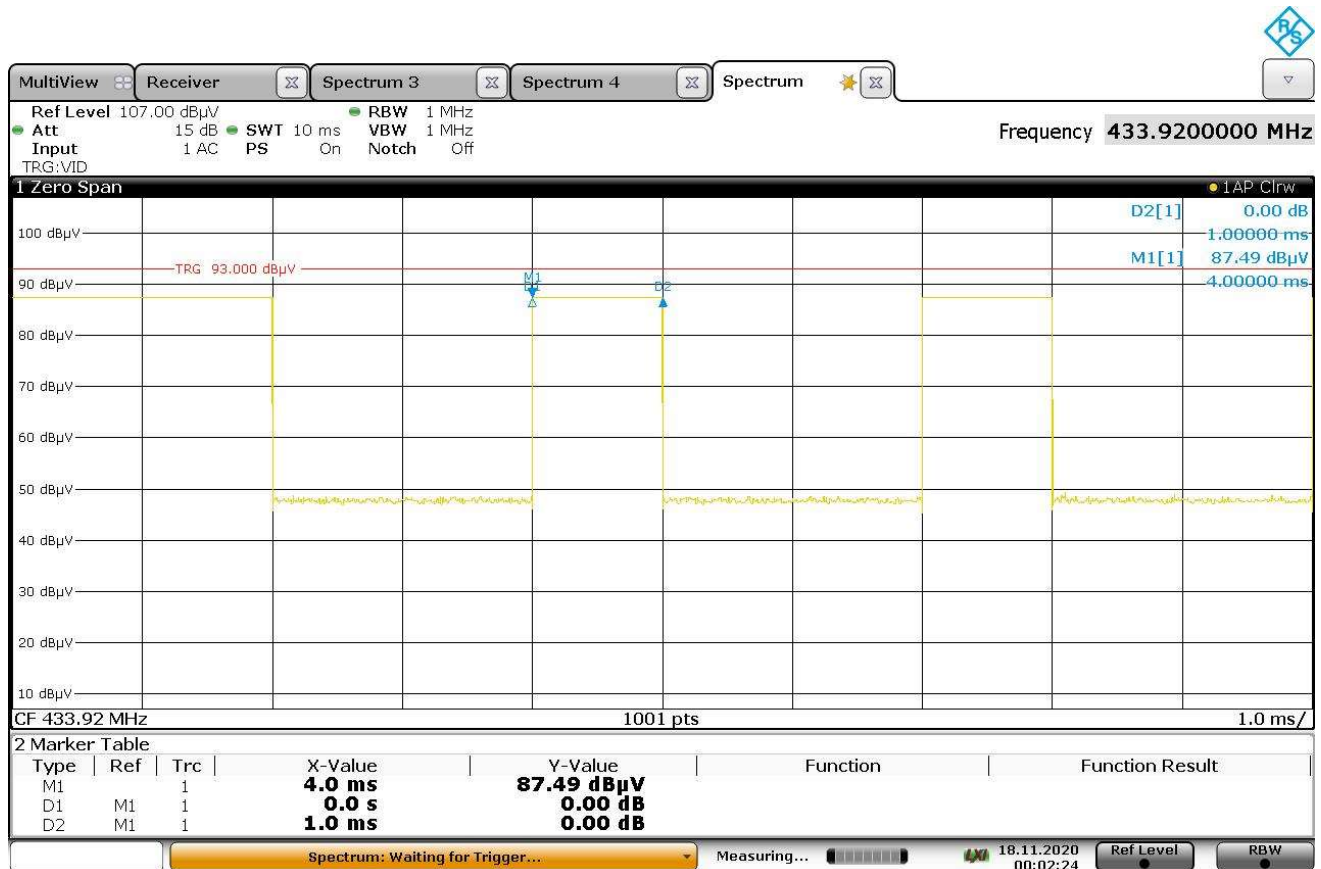


00:00:25 18.11.2020

## DATA PAGE

|                          |                                                |
|--------------------------|------------------------------------------------|
| <b>MANUFACTURER</b>      | The Chamberlain Group, Inc.                    |
| <b>EUT</b>               | Automotive Transceiver for Garage Door Control |
| <b>MODEL NO.</b>         | CDMRAA0101E3 (ARQ2-UGDO)                       |
| <b>TEST</b>              | FCC §15.231, RSS-210 Duty Cycle                |
| <b>MODE</b>              | Tx                                             |
| <b>FREQUENCY TESTED</b>  | 433.92MHz (EX Series Fix Code)                 |
| <b>DATE TESTED</b>       | November 17, 2020                              |
| <b>TEST PERFORMED BY</b> | Tylar Jozefczyk                                |
| <b>NOTES</b>             | Narrow Pulse = 1.0ms                           |

## DUTY CYCLE – NARROW PULSE



00:02:24 18.11.2020