



Bundesnetzagentur

# Market surveillance statistics 2021

Section 411 - Market surveillance, EMC and RE

Mainz, 28.01.2022




[www.bundesnetzagentur.de](http://www.bundesnetzagentur.de)



## Impact of the COVID-19 pandemic on German market surveillance

- The COVID-19 pandemic also affected the Bundesnetzagentur's market surveillance in 2021
- By observing comprehensive hygiene and social distancing rules, on-site market surveillance was possible again temporarily
- Preference was given to the contactless acquisition of products, either by letter, e-mail or telephone, in order to check them
- Testing operations in our own test laboratory could continue despite pandemic-related restrictions



-  On-site market surveillance
-  Online market surveillance
-  Cooperation with customs
-  EU campaigns
-  Test purchases
-  Summary and outlook



## On-site market surveillance

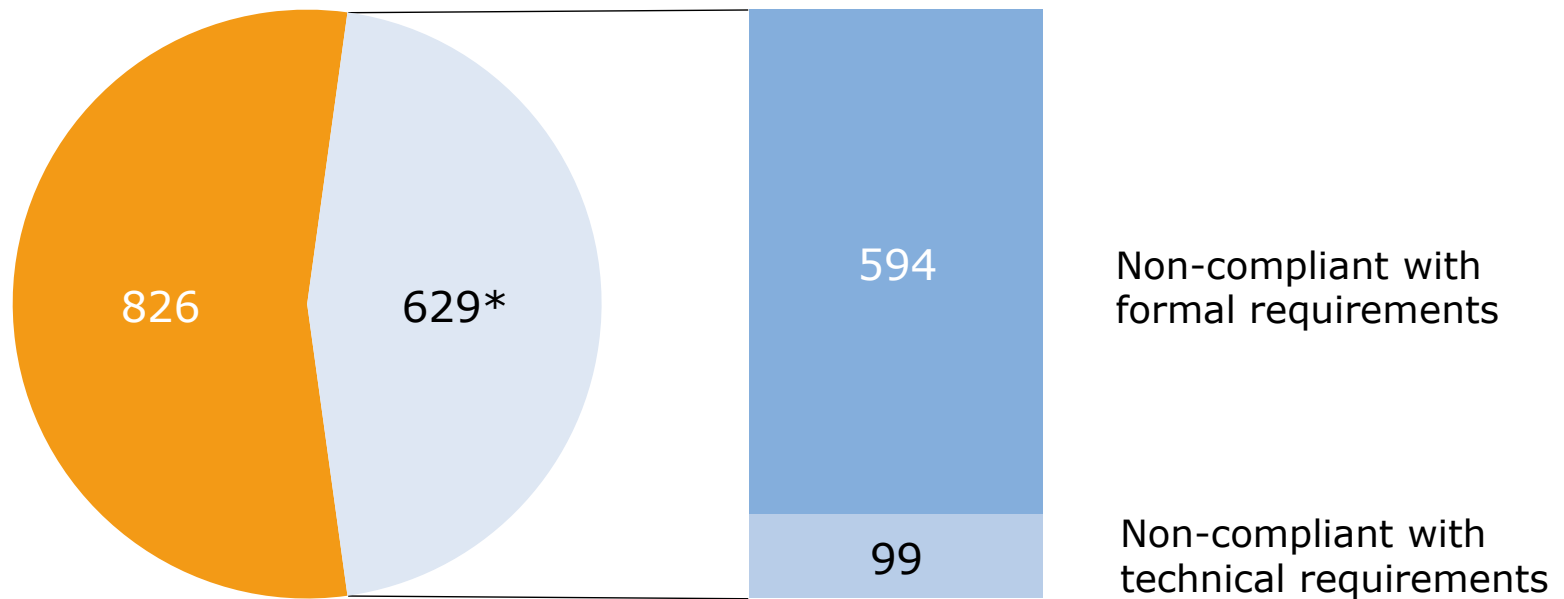




- 3,554 product types checked in German retail trade
- 1,082 market-restricting measures
  - EMC: 13 sales bans  
318 calls for rectification of deficiencies
  - RED: 10 sales bans  
741 calls for rectification of deficiencies



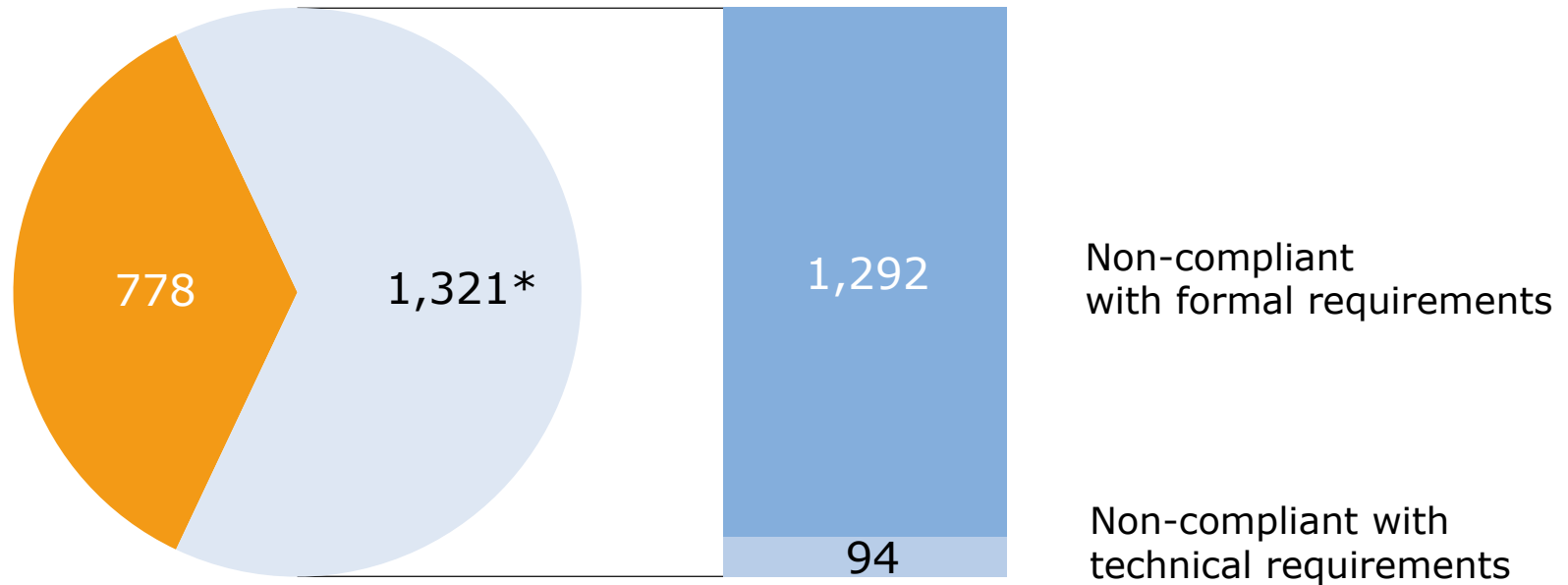
- 1,455 products with regard to EMC (25.9% more than 2020)
- Proportion of non-compliant products: 43.2% (2020=44%)



\* Some products failed to meet both requirements



- 2,099 products with regard to RED (35.8% more than 2020)
- Proportion of non-compliant products: 62.9% (2020=60%)



\* Some products failed to meet both requirements



## Risk assessment for EMC products that have undergone technical checks for non-compliance

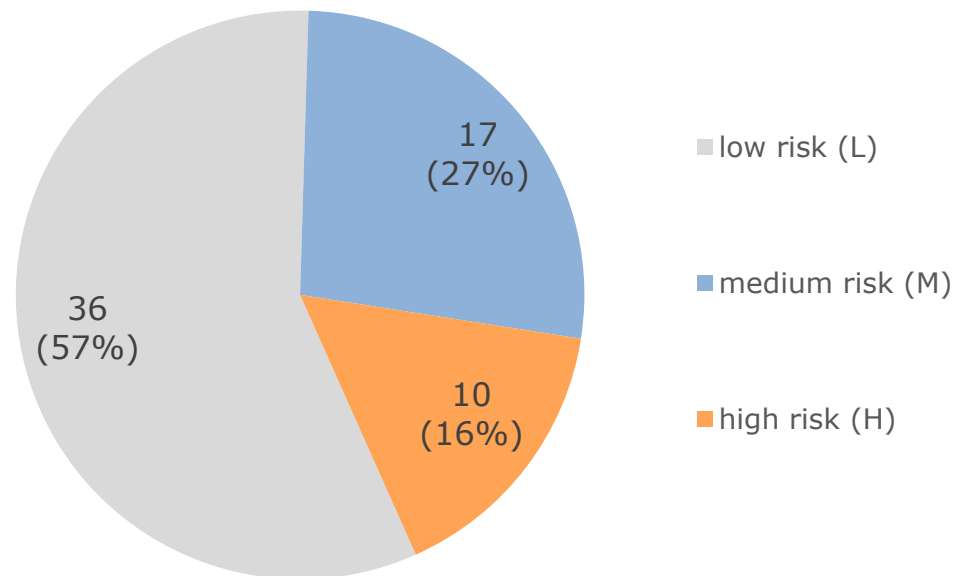
Number of EMC products: 1,455

258 products were  
technically tested

**Result:**

63 risk-related products with  
market-restricting measures

### EMC







## Risk assessment for RED products that have undergone technical checks for non-compliance

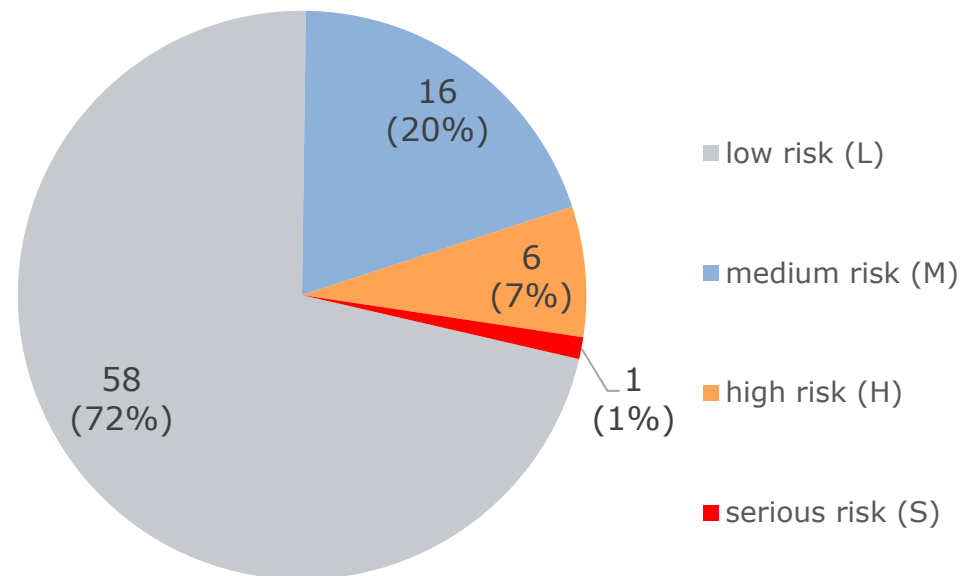
Number of RED products: 2,099

307 products were  
technically tested

### **Result:**

81 risk-related products with  
market-restricting measures  
58 products had at least safety-  
related deficiencies

### **RED**



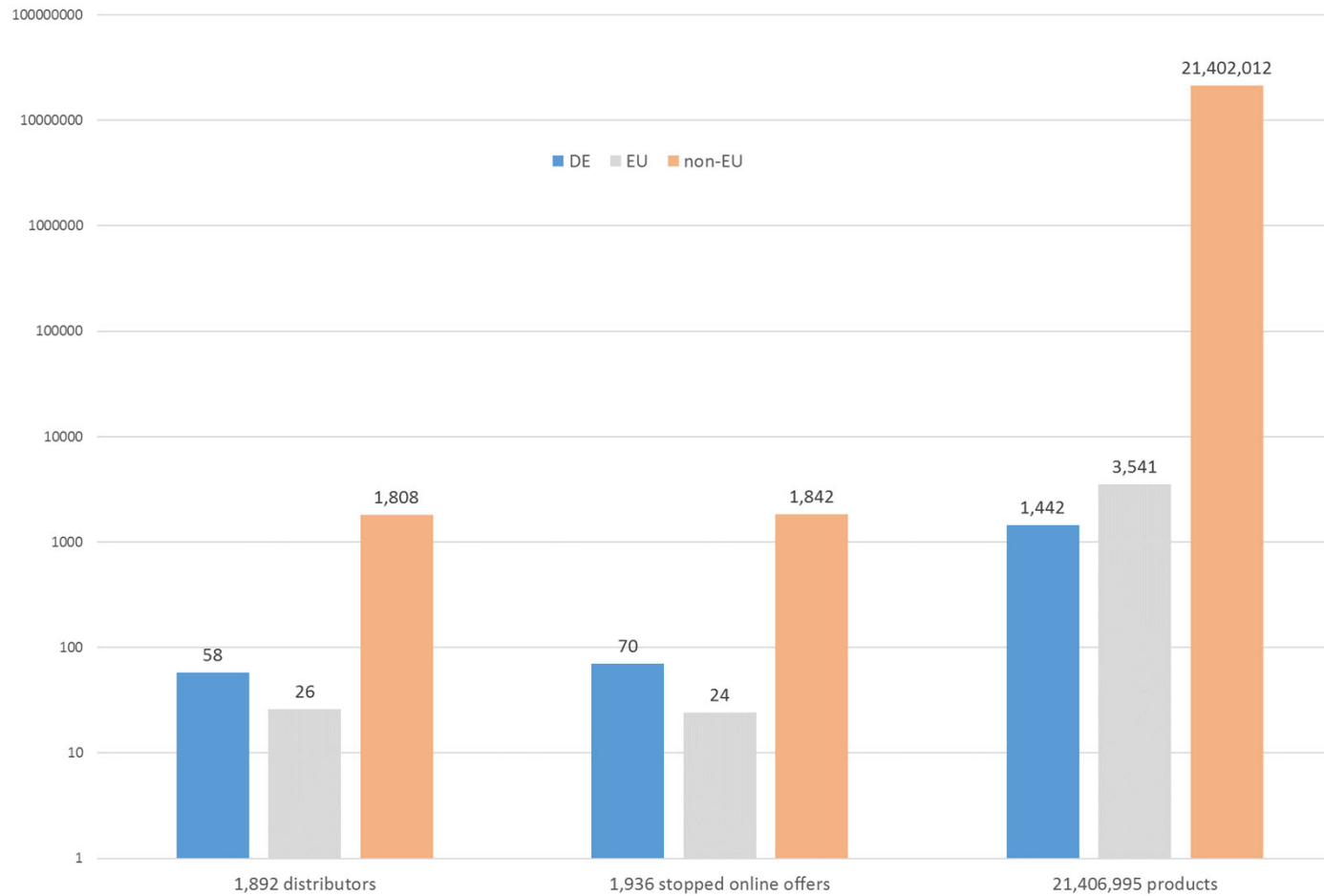


# Online market surveillance



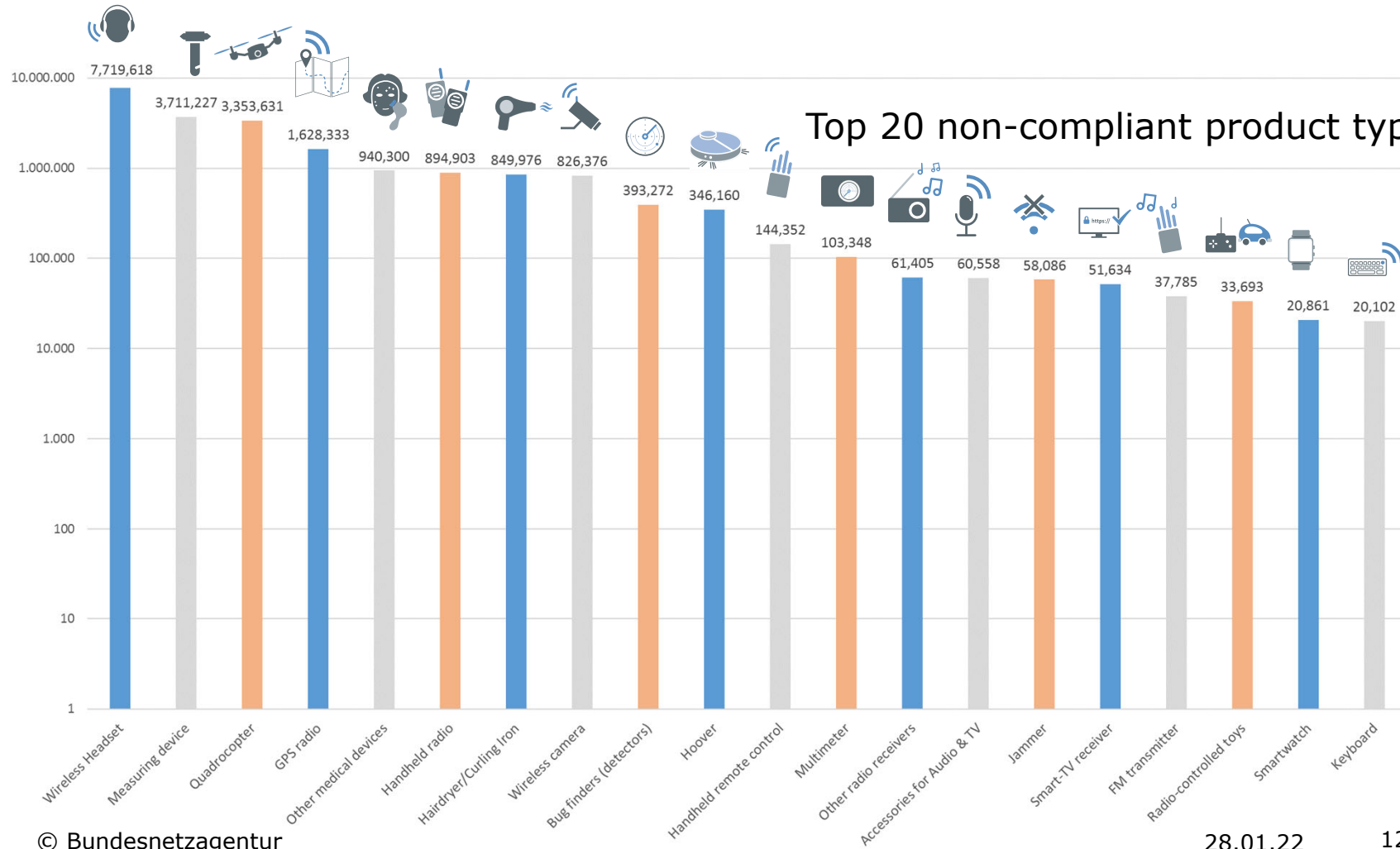


## Results of e-commerce controls 2021



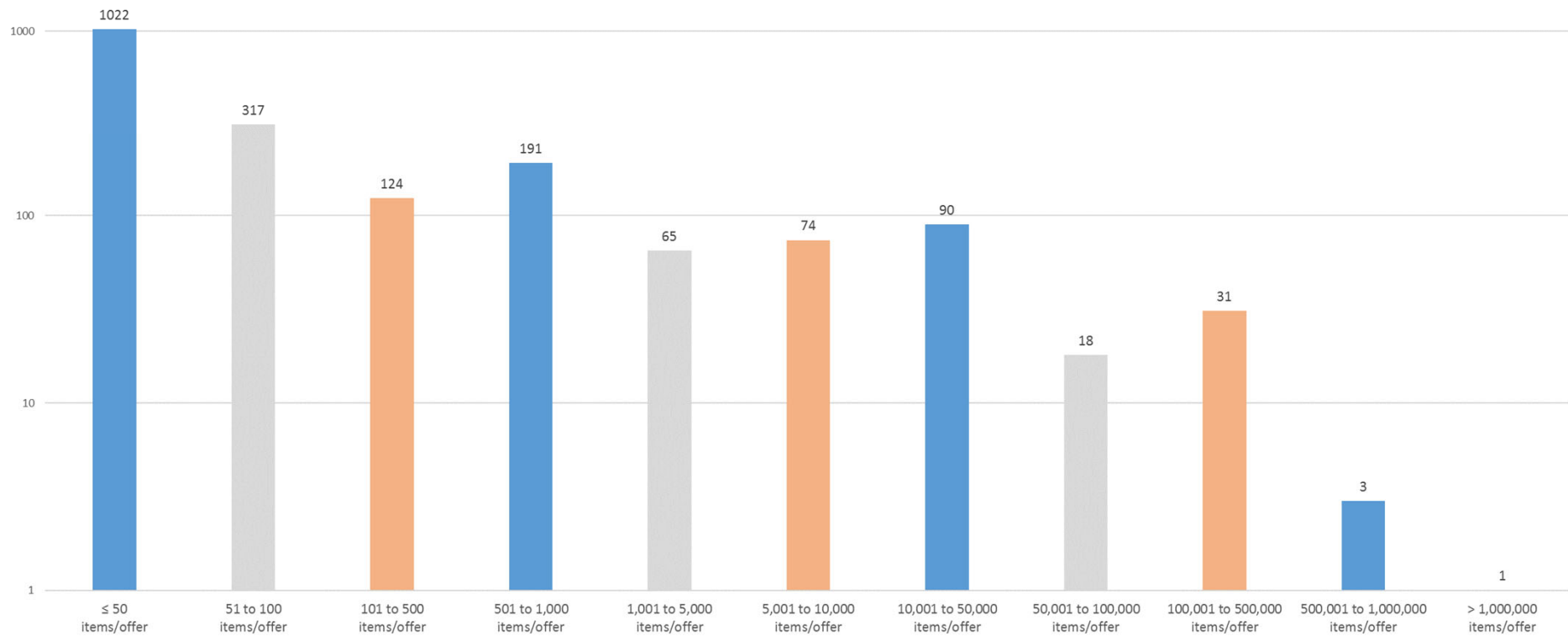


# Online market surveillance





## Overview of the number of suspicious offers





### Example: radio headphones

- Radio headphones use security-related frequencies
- May cause interference with police radio or emergency services radio
- Lack of operating instructions in German
- No declaration of conformity available
- Formal requirements not or only partially met





### Example: mini anti-spy detector/bug finder

- Several markings are missing (CE mark, name and address of manufacturer and importer, type designation)
- No responsible economic operator as required under Article 4 of the Market Surveillance Regulation (EU)
- No German operating instructions supplied
- No declaration of conformity available



Operating instructions in English and Chinese



### Example: jammer

- Unauthorised jammers without any labelling
- Jammers may not be distributed or operated
- The economic operators responsible cannot be identified





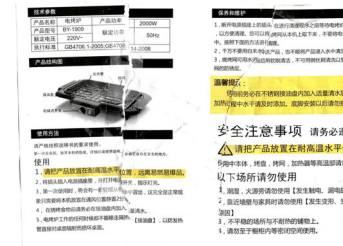
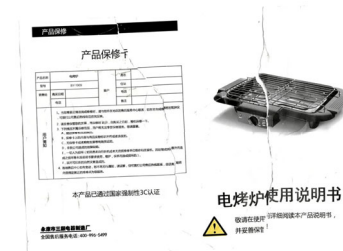


## Example: electric tabletop grill

- Several markings are missing (CE mark, name and address of manufacturer and importer, type designation)
- Lack of operating instructions in German
- Power plug is not intended for use in Germany



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## Cooperation with customs

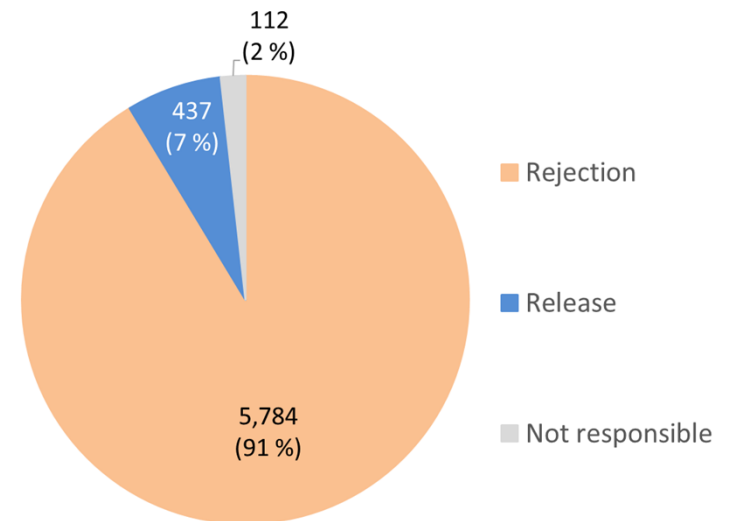






- 6,333 suspicious shipments reported
- 320,000 suspicious products
- 91% of the suspicious shipments were not given clearance for the European market

### Results





## Cooperation with customs



Car stereo system



Wireless headphones

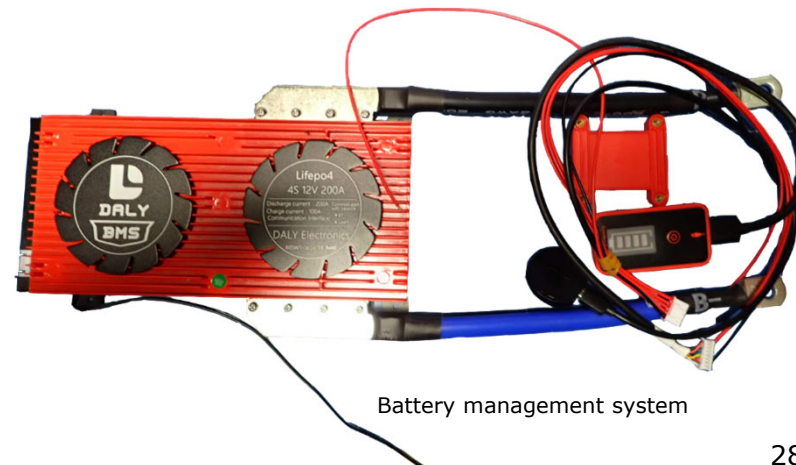


Robotic lawnmower

## Examples of import refusals due to various formal deficiencies



Smartwatch



Battery management system



## EU campaigns





- Administrative Cooperation group (AdCo) for the Radio Equipment Directive (RED)
- Completed campaign: professional mobile radio (PMR)
  - 17 national market surveillance authorities formally inspected 89 products
  - 83% of the tested radio equipment overall had defects
    - 70% of the tested radio equipment had administrative defects
    - 45% of the tested radio equipment had technical defects



Report: <https://ec.europa.eu/docsroom/documents/47680>



- AdCo for the Radio Equipment Directive (RED)
- Results:
  - Most deficiencies were found in labelling (61%)
  - No information on restrictions of use for 50% of the radio equipment tested
  - In 33% of the radio equipment tested spurious emissions were exceeded
  - In 23% of the radio equipment tested radiated emissions were exceeded
  - In 20% of the radio equipment tested spurious radiations were exceeded





- EMC AdCo
- Completed campaign: microwave oven
  - 10 national market surveillance authorities formally inspected 62 products
  - 39% of the tested products overall had defects
    - 27% of the tested microwave ovens had administrative defects
    - 21% of the tested microwave ovens had technical defects



Report will be available soon:

[https://ec.europa.eu/growth/single-market/goods/building-blocks/market-surveillance/organisation/adcos\\_de](https://ec.europa.eu/growth/single-market/goods/building-blocks/market-surveillance/organisation/adcos_de)



- EMC AdCo
- Results:
  - 100% of the tested products had the correct CE marking
  - A declaration of conformity was available in 58 of 62 cases  
→ It was correct in about 90% of cases
  - 21% of the tested microwave ovens exceeded the limits of disturbance emission
    - Radiation disturbance in the frequency range 30 MHz to 1,000 MHz (disturbance field strength)
    - Disturbance voltage at low voltage AC mains power ports in the frequency range 150 kHz to 30 MHz
    - Voltage fluctuations and flicker



## Test purchases





## Test purchases to support market surveillance activities

The Bundesnetzagentur carries out test purchases to support eCommerce and market surveillance activities at our regional offices

The test purchases support

- On-site market surveillance
- Online market surveillance
- EU and internal campaigns





### Test purchases carried out

- In 2021, a total of 61 test purchases were carried out (27 for EMC, 34 for RED)

#### In detail:

- 24 test purchases for on-site market surveillance
- 21 test purchases for online market surveillance
- 16 test purchases for campaigns
  
- In 19 of these cases, the device ordered could not be delivered



## Examples of products purchased



Handheld retro game console



Heated eye mask



Tyre pressure sensor



Bluetooth headphones



HD Plus satellite receiver



## Summary and outlook





## Summary overview of the market surveillance areas

Area	Number of products affected by measures	Affected number of product items
On-site market surveillance	1,082	1.06 million

Area	Number of non-compliant products	Affected number of product items
Online market surveillance	1,936	21.04 million
Cooperation with customs	5,784	0.32 million

Total: **22.78 million**





- Implementation of the new requirements set out in the Market Surveillance Regulation (EU) 2019/1020
  - especially with regard to fulfilment service providers
- Further strengthening of the risk-based approach in market surveillance
- Participation in testing and supporting the development of the Danish research tool that uses "Artificial Intelligence" (AI) in online market surveillance
- Implementation of a web-based consumer interface and market surveillance app
- Cooperation and collaboration in European projects to strengthen market surveillance



## Abbreviations

- AdCo – Administrative Cooperation
- AI – artificial intelligence
- EMC – electromagnetic compatibility
- PMR – professional mobile radio
- RE Directive (RED) – Radio Equipment Directive

Many thanks for your attention!

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