|  |  |
| --- | --- |
|  |  |
|

|  |  |  |
| --- | --- | --- |
| To: **ETSI TC ERM**Mr Holger ButscheidtETSI TC ERM ChairmanE-mail : Holger.Butscheidt@BNetzA.de |  |  |
| **Date** | **Enclosure** |
| XX March 2014 | [ECC Report 207](http://www.erodocdb.dk/Docs/doc98/official/Word/ECCREP207.DOCX) |
| **Our reference** | **Your reference** |
|  |   |

**Subject: Liaison Statement to ETSI TC ERM on Unwanted emission of mobile terminals in the SRD band 863-870 MHz** |  |

Dear Mr Holger Butscheidt,

At its last plenary meeting, ECC considered the findings in the ECC Report 207 on “Adjacent band co-existence of SRDs in the band 863-870 MHz in light of the LTE usage below 862 MHz”.

In this report two fundamentally different sources of possible interference from LTE terminals into SRDs were identified: blocking effect and interference from unwanted emissions falling into the band of SRDs. They differ in a way that blocking can be mitigated by improving the victim’s characteristics, while mitigating unwanted in-band interference requires a reduction of the OoB emissions of the interferer.

Considering blocking it appears that the most severely impacted SRDs are those of Category 3 receivers. Using Category 2 receivers will help coexistence with adjacent band LTE use and this will improve one of the interference problems. The SRD industry has indicated to improve the coexistence by moving towards the performance seen in Category 2 receivers.

With regard to the other interference problem, measurements of real equipment provided in this report have shown that the OoB emissions of the LTE terminals are in the order of 15-20 dB below the mask specification in current standards. A reduction of the OoB emission limits in the standards would reduce the impact of the unwanted emissions in the SRD receivers

This provides a good opportunity for a significant improvement of the coexistence of SRDs and LTE in adjacent bands together with the SRD industry moving towards the performance seen in Category 2 receivers.

Yours sincerely,

Eric Fournier,

Chairman CEPT Electronic Communications Committee