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|  | | ECC PT1(20)xyz |
| ECC PT1 CG2300 | | |
| Web meeting, 10 november 2020 | | |
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| Date issued: | [enter date] | |
| Source: | France | |
| Subject: | Questionnaire to CEPT administrations about the current and future non MFCN usage in the 2300-2400 MHz range and adjacent bands | |
| Group membership required to read? (Y/N)  N | | |
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| Summary: | | |
| This contribution proposes a questionnaire to CEPT administrations about the current and future non MFCN usage usage in the 2300-2400 MHz range and adjacent bands | | |
| Proposal: | | |
| ECC-PT1 CG 2.3 GHz is invited to consider and approve the questionnaire | | |
| Background: | | |
| According to ETSI TS 138.104 §6.6.1, the OOB domain around the band is enlarged when AAS systems are used (2260-2440 MHz instead of 2290-2410 MHz). Limits for “operating band unwanted emissions” (§6.6.4) apply within this OOB domain, and are less stringent than the “transmitter spurious emissions” that apply outside this range (§6.6.5). It should also be noted that outside of the OOB domain i.e. in frequency ranges where the spurious limits apply, there are still uncertainties with regards to the AAS antenna pattern. | | |

**Questionnaire to CEPT administrations about the current and future usage of non MFCN in the 2300-2400 MHz range and adjacent Bands**

**Doc. PT1(20)XXX**

***Information to be provided in the cover of the questionnaire:***

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| **Responding organisation** |  |
| **Country** |  |
| **Address/ e-mail address** |  |
| **Contact name** |  |

**Respondents are kindly invited to return the completed questionnaire before XXX to the European Communications Office (ECO)**

Preferably electronic questionnaire: <link>

or to ECO by e-mail:

Thank you for your cooperation.

**Background:**

CEPT is currently working on WI PT1\_28 and PT1\_29 for “conditions for the use of the band 2300 - 2400 MHz for MFCN“ with the objective to “Review technical conditions to enable timely introduction of 5G and, when applicable, AAS, while ensuring adequate protection of other services and applications”.

In this work, clarifications from administrations would be helpful to understand current and future uses of this band on non MFCN services and adjacent services.

Concerning adjacent services, it has been noted that standardisation has specified the OOB domain for this band as the frequency range [2260-2440 MHz] when AAS systems are used, which is larger than the OOB domain specified for non-AAS [2290-2410 MHz].

It has also be noted that outside of the OOB domain i.e. in frequency ranges where the spurious limits apply, there are still uncertainties with regards to the AAS antenna pattern and therefore some studies may be also needed in some cases where adjacent services have little margin.

The information resulting for this questionnaire will help to define which interference scenarios ought to be studied, and assess whether existing studies cover them or whether additional studies would be required.

**Questionnaire:**

In order for CEPT to evaluate the feasibility of the 2.3 GHz frequency range, it is therefore necessary to have more information about the current and future usage of this band in the different CEPT countries on services others than MFCN in 2300-2400 MHz and adjacent bands (40 MHz below 2300 MHz and 40 MHz above 2400 MHz). The administrations are therefore kindly requested to, at the best of their ability, answer the following questions:

1. What are the existing non MFCN applications currently using the 2300-2400 MHz range?

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| ***Answer:*** |

1. What are your future plans for non MFCN the range 2300-2400 MHz considering a time frame of 2025 and beyond?

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| ***Answer:*** |

1. If some future MFCN systems with AAS and 100 MHz bandwidth were to be implemented in the band 2300-2400 MHz, the OOB domain as defined by ETSI/3GPP specification 138.104 would span 40 MHz out of the band (i.e. 2260-2300 MHz and 2400-2440 MHz) : what are the existing services within this OOB domain ?

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| ***Answer:*** |

1. Please specify any other aspects of the national situation for this frequency band 2300-2400 MHz that may be relevant for CEPT to consider in this work.

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| ***Answer:*** |