Report of 88th Meeting of CEPT WGSE

The 88th meeting of WG SE was held remotely 19-23 April 2021 due to the Covid-19 crisis. The meeting was attended by 90 participants who discussed 46 input documents and 3 documents for information.

WPT

This WI covers WPT applications operating in various frequency ranges e.g. 19-21 kHz, 58-62 kHz, 79-90 kHz and 100-300 kHz. An ECC report is being developed for generic WPT applications noting that a second deliverable is under consideration concerning unwanted emissions from electric vehicle charging (WPT-EV).

Generic WPT

After consideration of three contributions several administrations expressed concerns about the provisional approval of this draft ECC Report. As a consequence WGSE agreed to return the draft ECC Report to SE24 for further consideration.

WPT EV

SE24 had been tasked by WGSE to conduct further studies on the impact of spurious emissions from WPT-EV on radiocommunication services operating in the 79-90 kHz frequency band and in adjacent bands. Following consideration of the input contribution, SE24 was of the view that the draft document was not sufficiently mature. As a consequence WGSE agreed to extend the deadline of WI 60 for two meeting cycles in order to complete the work on the "unwanted emissions from WPT-EV.

High power SRDs at 916.3 MHz in 915-921 MHz frequency band

This frequency band is currently not allocated to the amateur service in Region 1. However it lies within the 33cm band of Region 2.This issue should be closely monitored in case an opportunity arises in Region 1 RTOs for an allocation arises in the future. This WI aims to develop the conditions of implementation of NBN SRDs in the first RFID interrogator channel centred at 916.3 MHz of the frequency band 915-921 MHz with a power of up to 500mW. Following a review of the input documents on this topic, WG SE provisionally approved a draft ECC Report for public consultation.

UWB radiodetermination in the range 116 - 260 GHz

Within this frequency range the amateur service has a secondary allocation at 122.25 -123 GHz, a primary allocation from 134 -136 GHz and secondary allocations to the amateur and amateur-satellite services from 136 – 141 GHz from 241 – 248 GHz. In addition the frequency band 248 – 250 GHz is allocated to the amateur and amateur-satellite services on a primary basis.

This WI aims to carry out studies for a number of sensor types. SE24 approved a draft ECC Report on "UWB radiodetermination applications in the frequency range 116-260 GHz" for submission to WG SE for approval for public consultation with eight UWB applications.

Following delicate discussions and several dedicated meetings seeking compromise, no consensus could be reached to provisionally approve the draft ECC Report on WI 71.

Radiodetermination equipment for ground based vehicular applications within the frequency range 77 - 81 GHz

There are secondary and primary allocations to the amateur and amateur-satellite services in the range 76 – 81.5 GHz. This WI deals with sharing and compatibility studies based on the information provided in ETSI SRDocs

Based on a contribution received on methodology to assess sharing with RAS on a single interferer basis, antenna pattern and calculated PSD levels to protect the RAS, SE24 updated the draft ECC Report on this work item "Radiodetermination equipment for ground based vehicular applications in 77-81 GHz"

Security scanners (SScs) in the frequency range 60 GHz to 90 GHz

This WI aims to conduct sharing and compatibility studies based on the information provided in ETSI SRDocs Based on a contribution, the draft report was updated slightly during SE24 meeting.

Compatibility between RNSS and amateur service

This WI deals with the development of possible scenarios with conditions or limitations that may be applied to the amateur service to ensure the future coexistence of both services and avoid cases of interference based on the two measurement reports.

Based on the received contributions, the draft ECC Report is under review in SE40 with:

- protection criteria for GLONASS system was proposed,
- preliminary assessment of the geographical extension, around radio amateur stations, of the area where protection criteria given in ITU-R M1902 would be exceeded,
- improvements in the parameters of radio amateur stations.

IARU expressed concerns about the progress of the activity. SE40 Chairman answered that everything was done to encourage the work and that opportunities were given to all participants to provide comments at SE40 level.

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