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| Working Group SE | |  |
| 66th Meeting of WG SESesimbra, Portugal, 27 – 31 January 2014 | |  |
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| Date issued: | 21 January 2014 | |
| Source: | CPG PTD | |
| Subject: | Liaison Statement to WGFM and WG SE on sharing studies between WAS/RLAN and radio services within the 5350-5470 MHz band | |

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| Password protection required? (Y/N) | **N** |

Dear Sergei and Karl,

At its last meeting (CPG PTD#5), under the agenda item WRC-15 AI 1.1, CPG PTD discussed and considered various input documents on the issue of sharing studies required for possible WAS/RLAN operation in the bands 5350-5470 MHz.

The attachment to this liaison contains various sharing studies between RLANs and EESS (active) in the 5350-5470 MHz band which were submitted to the 3rd, 4th and 5th CPG-PTD meetings. This compilation of studies is aimed to support activities in relation to the proposal to include RLAN use in the 5350 5470 MHz band in the list of proposed candidate bands under WRC-15 AI 1.1.

This attachment is presented to WGFM in order to provide an update on the progress of the work in CPG PTD on this subject so that it can be used as an information document when reporting the progress of the studies for 5350 – 5470 MHz in response to the EC mandate to CEPT “*to study and identify harmonised compatibility and sharing conditions for Wireless Access Systems including Radio Local Area Networks in the bands 5350-5470 MHz and 5725-5925 MHz ('WAS/RLAN extension bands') for the provision of wireless broadband services*”. CPG/PTD assumes that most of these parameters could also consistently be used in the upper bands.

It is noted that WGSE have also been developing parameters for RLAN to be used in the upper 5 GHz bands, Annex 1 of the attached document contains the technical and operational parameters of RLAN systems to be used in sharing studies in the 5 350 – 5 470 MHz frequency range. These parameters are a result of lengthy discussions in the JTG 4-5-6-7 and consequently in CPG PTD and aim to provide a common set of parameters.

Finally, CPG/PTD will also consider the compatibility between RLAN and terrestrial radiolocation systems 5 350-5 470 MHz and 5 725-5 850 MHz bands and it currently appears that the current version of ETSI standard EN 301 893 and EN 302 502 do not include provisions for DFS to mitigate interference to frequency hopping radars. Relevant studes will have to be performed to determine either improvement of current DFS at a worldwide level or any proposal of alternative mitigation techniques that will both need to prove their efficiency to ensure protection of frequency hopping radars, including radar whose frequency changes may occur for each pulse.

It is further noted that WGFM are currently working on the results of the public consultation for draft ECC Report 192, CPG PTD requests WGFM to provide an update on the status and the results of the public consultation on this report in order to keep the text on the draft CEPT brief for WRC-15 AI 1.1. up to date.

The next meeting of CPG PTD is scheduled on 28 April - 02 May 2014.

Best regards,

Didier Chauveau  
CPG PT D Chairman

## Attachments : CPG PTD Working document on sharing between RLANs and EESS (active) in the 5350-5470 MHz band

