|  |  |  |
| --- | --- | --- |
|  | | Doc. FM57(17)INFO003 |
| FM57 (meeting number 2) | | |
| Edinburgh, 16 March 2018 | | |
|  | | |
| Date issued: | 8th March 2018 | |
| Source: | Qualcomm CDMA Technologies GmbH, Nokia Corporation, Ericsson | |
| Subject: | Information on WAS/RLAN Technologies “LTE-LAA” and “5th Generation New Radio (5G NR) in unlicensed spectrum” | |
| Group membership required to read? (Y/N)  N | | |
|  | | |
| Summary: | | |
| This input presents, on a very high-level, information respecting technical capabilities of “LTE-Licensed Assisted Access (LTE-LAA)” and “5th Generation New Radio (5G NR)” operating in license-exempt spectrum for consideration by Project Team FM57. These technologies could play a key role for achieving the visions and objectives set in the Communication from the Commission to the European Parliament, the Council, the European Economic and Social Committee and the Committee of the Regions EC Communication on Gigabit Policy: “Connectivity for a Competitive Digital Single Market – Towards a European Gigabit Society by 2025”, adopted in 2016. | | |
| Proposal: | | |
| We invite PT FM57 to  note the information in the slides attached to this submission introducing technologies LTE-LAA and 5G-NR for operation in the license-exempt spectrum 5 925 - 6 425 MHz. | | |
| Background:  The 5 925-6 425 MHz frequency band is under study by ECC for the operation of WAS/RLAN technologies. This band is particularly suitable for technologies which are currently under development with enormous technical capability for providing gigabit throughput in the license- exempt spectrum, in line with visions and objectives set in the EC Communication on Gigabit Policy adopted in 2016. LTE-LAA and 5G NR are examples of such technologies for WAS/RLAN and the slides attached to this submission present, on a very high-level, technical capabilities of these technologies, among other things, in terms of supporting gigabit throughput in the license- exempt spectrum. Based on the needs of PT FM57 for assessing the feasibility of introducing WAS/RLANs in the band 5925 - 6425 MHz, we could provide more technical detailed to substantiate the facts presented in the summary slides. | | |
|  | | |