**3GPP TSG-RAN WG4 Meeting #104-e R4-221xxxx**

**Electronic Meeting, 15 ‒ 26 Aug, 2022**

**Title:** WF on Coexisting studies between IMT service around DTT spectrum

**Agenda Item:** 12.4.4

**Source:** ZTE

**Document for:** Approval

## Topic # 1: Coexistence studies between IMT service and DTT spectrum

**Status summary:**

Based on the companies’ comments as far and agreement achieved in thread#128, coexistence study between IMT service and DTT should be conducted in Rel-18 to identify the DTT BS ACLR requirement and DTT UE ACS requirements. The coexistence case and simulation assumption should be discussed in the thread#128.

ZTE made the following proposals:

* For existing IMT-BS coexisting with DTT BS, it’s proposed to follow the requirement in TS 36.104 for the protection of DTT.
* For DTT coexisting with legacy E-UTRA BS, it’s proposed to follow the regulatory requirement to show its compliance.

Rohde & Schwarz,Qualcomm support the above proposals and Huawei tend to agree with ZTE, but clarified that more studies about current regulatory requirements are welcome in case working group miss something.

Nokia clarified that 5G broadcast BS fulfills the DTT emission requirements, there is no need for further co-existence study between 5G broadcast and IMT.

Nokia and Ericsson also highlighted that coexistence study between DTT and IMT-service is needed since there is no such kind of coexistence study before which was also agreed in the main session, under the e-mail thread#128.

**Tentative Agreements:**

* + Companies are encouraged to further investigate how those regulatory requirements should be considered in RAN4 specifications (e.g. to capture regulatory requirements explicitly in the spec or, reference to the relevant regulations, …)