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

**E-meeting, 15th – 26th May 2022**

**Source:** Nokia, Nokia Shanghai Bell

**Title:** WF on List of expected changes to TS 36.104 due to introduction of LTE based 5G terrestrial broadcast band(s)

**Agenda Item:** 12.4.4

**Document for:** Approval

# Introduction

During RAN4#104-e, document [1] was discussed on the expected changes to 36.104 due to introduction of LTE based 5G terrestrial broadcast band(s).

# Way forward

The following is proposed for approval, on the basis of discussion:

* Companies to provide analysis in RAN4#104-bis-e if either existing TS 36.104 requirements or new requirements are needed for LTE based 5G terrestrial broadcast band(s)
	+ While the requirement’s analysis focus is mostly on Tx requirements (Clause 6 of TS 36.104), some of Rx requirements (e.g. Clause 7.6.2 in TS 36.104) to be analysed as well
		- Some requirements may depend on BS-UE co-existence studies, ~~e.g. if BS ACLR defined for 5/10MHz can be reused for 6/7/8 broadcast band~~
	+ Analysis should include potential impact to co-existence and co-location requirements in 36.104 Clause 6.6.4.3 and 6.6.4.4 (including protection of other bands)
		- Outcome might depend on band definition decision

# References

[1] R4-2213580; BS requirements for LTE based 5G terrestrial broadcast band(s); Nokia, Nokia Shanghai Bell; RAN4#104-e