

**SONY**

# **Sony Proposals for Nordig-T meeting**

24 Aug 2016

# **BRAVIA**

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Band	Pre <TBD>			Post <TBD>		
	DL(FD D1&2)	DL(FD D3-6)	UL(FD D1-6)	DL(FD D1&2)	DL(FD D3-6)	UL(FD D1-6)
VHF	40 → 44	40 → 44	40 → 44	48	48	48
K21-37	40 → 44	40 → 44	40 → 44	48	48	48
K38-59	40 → 41	40 → 41	40 → 44	45 → 41	45 → 44	48
K60	30 → 36	40 → 41	40 → 44	40 → 38	45 → 41	48

- Small relaxations are requested to satisfy proposed Nordig Unified Specification under all traffic loadings, not just the traffic loadings used in the Nordig Unified Test Plan.
- It is important to carry on using bursty interferers in the Nordig Unified Test Plan to detect un-optimised tuner designs which can show very large degradations of many dB

Band	Pre <TBD>			Post <TBD>		
	UL(FD D1&2)	UL(FD D3-6)	DL(FD D1-6)	UL(FD D1&2)	UL(FD D3-6)	DL(FD D1-6), SDL 1-4)
VHF	46	46	46	48	48	48
K21-37	46	46	46	48	48	48
K38-47	43	43	46	45 → 44	45	48
K48	33(T) / 38(T2)	43	46	43 → 42	45	48 → 47

- Small relaxations are requested to satisfy proposed Nordig Unified Specification under all traffic loadings, not just the traffic loadings used in the Nordig Unified Test Plan.
- It is important to carry on using bursty interferers in the Nordig Unified Test Plan to detect un-optimised tuner designs which can show very large degradations of many dB

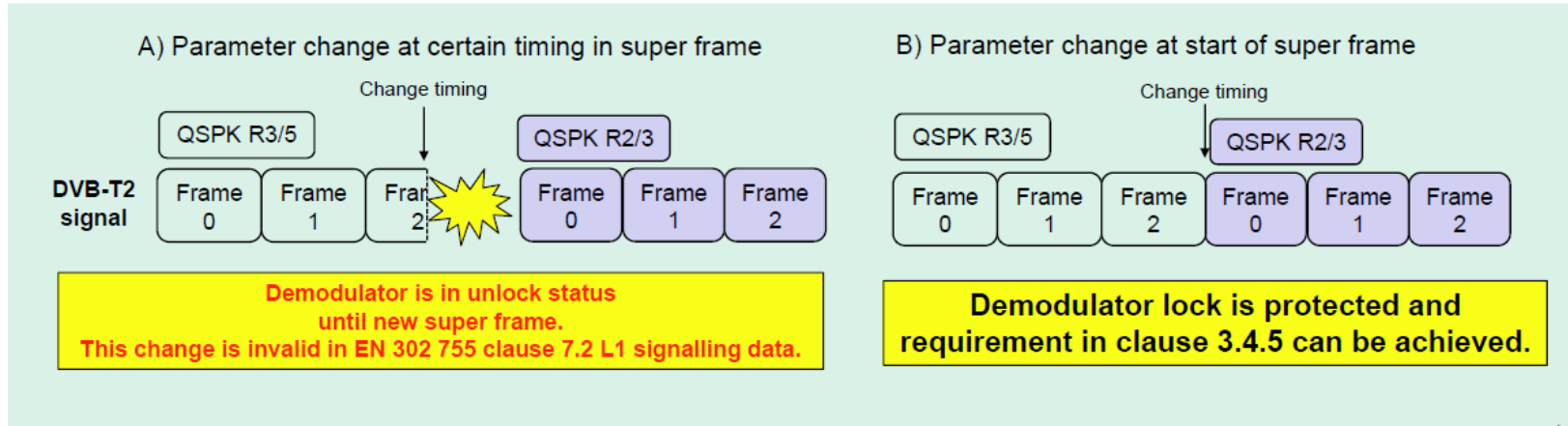
# Proposal for Clause 3.4.5 Changes in modulation parameters SONY

Proposal)

The terrestrial Nordig IRD-T2 shall be able to detect a change of modulation parameters in P1, L1 pre-signalling data and L1 post-signalling of the DVB-T2 signal, in order to reduce the recovery time. Parameters shall be changed at the start of super-frame, referring to EN 302 755. An error-free TS .....

Current)

The terrestrial Nordig IRD-T2 shall automatically recover from changes in P1, L1 pre-signalling data and L1. An error-free TS .....



Case A might be occurred accidentally but we believe it is out of scope in this clause. Because receiver become unlock status in Case A, for which there is meaningless of separate spec for L1 post signaling FEF change as this clause.

So, we believe Clause 3.4.5 in NU as well as corresponding items in Nordig test spec should be removed, since it is not matched to what Teracom want to test.

## Current Nordig Test Plan

Tasks 3:10 and 3:50

49 test steps each!

## UK D-Book

Table of tests using UK T/T2 modes

User is allowed to vary signal level and C/N to achieve the required delta SQI and delta SSI levels required by each test

1. **Currently the Nordig test plan uses a complex 49-step test sequence described in task 3:10 and task 3:50**
2. **The UK DTG has reviewed the Nordig Test Plan and decided to adopt a table based approach to simplify testing.**
3. **We propose a similar table based approach is used in the Nordig Test Plan, to replace Tasks 3:10 and 3:50.**
4. **We have requested DTG to share the DTG test methods with Nordig to assist coordination of test approach. We hope permission for sharing this section of the UK Dbook will be given by early October**

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