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| **Radiocommunication Study Groups** |  |
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| Received: 30 June 2019 | **Document 5D/1238-E** |
| **1 July 2019** |
| **English only  TECHNOLOGY ASPECTS** |
| Nufront (Beijing) Technology Co., Ltd | |
| submission of candidate IMT-2020  radio interface technology (EUHT) | |
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# 1 Introduction

This document is in response to the first invitation for submission of proposals for candidate radio interface technologies (RITs) or a set of RITs (SRITs) for the terrestrial components of IMT-2020 which was issued with Circular Letter [5/LCCE/59](http://www.itu.int/md/R00-SG05-CIR-0059/en) released on 22 March 2016.

In this submission, Nufront (Beijing) Technology Co., Ltd (Nufront) would like to propose ‘EUHT’ RIT as the candidate IMT-2020 radio interface technology. Nufront provides the characteristics template, link budget template, compliance template, and self-evaluation report of the EUHT RIT. The submission templates follow the ITU-R IMT-2020 submission format and guidelines as defined in Report [ITU‑R M.2411](http://www.itu.int/pub/R-REP-M.2411).

Report ITU-R M.2411 specifies that IMT-2020 proposal must “indicate the version of the minimum technical requirements and evaluation criteria of the IMT-2020 currently in force that it is intended for and make reference to the associated requirements.”

– The versions used are:

• [Report ITU-R M.2411](https://www.itu.int/pub/R-REP-M.2411) – Requirements, evaluation criteria and submission templates for the development of IMT-2020 (Approved 2017-11);

• [Report ITU-R M.2410](https://www.itu.int/pub/R-REP-M.2410-2017) – Minimum requirements related to technical performance for IMT-2020 radio interface(s) (Approved 2017-11);

• [Report ITU-R M.2412](https://www.itu.int/pub/R-REP-M.2412) – Guidelines for evaluation of radio interface technologies for IMT-2020 (Approved 2017-10).

The characteristics description, link budget information, compliance template and the preliminary self-evaluation report are based on EUHT RIT developed by Nufront.

The scope of this document is to allow the Independent Evaluation Groups to familiarise with the EUHT RIT for IMT-2020 and allow them to prepare the evaluation activity.

# 2 IPR Policy compliance

As mentioned in Report ITU-R M.2411, proponents and IPR holders should indicate their compliance with the ITU policy on intellectual property rights (see NOTE 2 in section A2.6 of Resolution ITU-R 1-7), as specified in the Common Patent Policy for ITU-T/ITU-R/ISO/IEC available at [http://www.itu.int/ITU‑T/dbase/patent/patent-policy.html](http://www.itu.int/ITUT/dbase/patent/patent-policy.html).

Nufront, as a proponent and patent holder of EUHT RIT, does comply with the ITU policy on IPR as stated in the attached general patent statement form.

# 3 Submission templates and self-evaluation report

The characteristics template, link budget template, compliance template and self-evaluation report of the proposed candidate radio interface technology are provided in the attachment.

**Attachments:** 5

**Attachment 1:** characteristics template for EUHT RIT.zip



**Attachment 2:** compliance template for EUHT RIT.zip

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**Attachment 3:** additional information – link budget.zip

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**Attachment 4:** additional information – self-evaluation report.zip



**Attachment 5:** General Patent Statement.zip



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