NXP’s Homebrew RF Design Challenge FAQs

Can I have more than one submission?

We have opened the contest to allow you to submit as many articles or videos as you desire.

How long should the submission be?

**Video** – We recommend three minutes, but if you can get your point across in under three minutes, that works too. If you go beyond five minutes to get your point across, that is fine also. Your video cannot exceed 10 minutes in length.

**Print** – We recommend the article submissions are three pages long comprised of target performance, design, assembly and measured results. Your print submission cannot exceed four pages in length.

Can I submit a group entry?

Yes, but we will need a point person to work with throughout the contest and will only award one prize.

What is the competition schedule again?

Contest Kick-Off: May 16, 2019  
Print/Video Upload Link Deadline: Oct. 31, 2019 at 11:59 p.m. (CT)  
Winners Announced: Nov. 14, 2019  
NXP publication: Nov. 14, 2019 as well as winner bio with pictures, etc.

How can I get samples?

NXP offers 2 free of charge MRF101AN or MRF300AN samples (2 in total), upon registration and review of the project (text + image of the block diagram or high-level schematics of the project). More samples can be purchased from NXP distributors or etailers.

What if the sample gets electrically overstressed and no longer functions?

Please contact RFindustrial@nxp.com if you are having technical issues with the device.

Can you use the NXP starter kit (MRF101AN-START)?

Yes, the PCB and baseplate can be used but it should not be the same as one of the NXP reference designs. The MRF101AN-START is available for purchase at nxp.com or through an authorized NXP distributor.

Can I use the MRF101BN and MRF300BN in my design as well?

Yes, you can use those devices as well. Please request the BN version in your submission.

Where should the submissions be posted?

**Video** – Upload your submission to YouTube or YouKu streaming platform. Add "NXP Homebrew RF Design Challenge" in the video keywords. Videos must have view count tracking capability.
Print – Upload your submission to any publication website, blogs, forums, print, etc. Add "NXP Homebrew RF Design Challenge" in the article or keywords. Articles must have view count tracking capability or distribution count list.

Are the prizes subject to tax withdrawal?

Yes, the cash portion of the prizes is subject to tax withdrawal. Depending on the law of your country, NXP or its agents will withhold tax (typically 30%) or require payment from you of taxes to be remitted to the appropriate taxing authorities.

How are winners chosen?

All submissions will be reviewed by a panel of qualified judges at NXP who will choose the 3 winners.

<table>
<thead>
<tr>
<th>Criteria</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Creativity of the submission</td>
<td>30</td>
</tr>
<tr>
<td>Performance of the design *</td>
<td>25</td>
</tr>
<tr>
<td>Quality of the RF design</td>
<td>25</td>
</tr>
<tr>
<td>Quality of the submission</td>
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</tr>
<tr>
<td>Number of video and/or article views by October 31, 2019</td>
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</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>100</strong></td>
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* Depending on application, performance will be judged on criteria such as gain, bandwidth, efficiency and power.

See [Official Rules](#) for more details

Where can I get answers to questions not posted here?

Feel free to contact us at RFindustrial@nxp.com.

Updated 5/20/2019
Rev. 1