# Testing route for DAB car receivers

**Résumé:**

This document provides a route which permit to tests different kind of potential problems on DAB car receivers.
Evolution du document
Nota : toute nouvelle version du présent document annule et remplace les versions précédentes.

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<tr>
<th>Version</th>
<th>Date</th>
<th>Objet de la modification</th>
<th>Chapitres</th>
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<tbody>
<tr>
<td>0</td>
<td>28/05/2021</td>
<td>Création</td>
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<td>1</td>
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DOCUMENTS DE REFERENCE LIES


Location
This route is located in Lyon France

Frequency to check: 5B

Transmitter site:
Le Mont-Cindre
73, route du Mont-Cindre
69450 Saint-Cyr-au-Mont-d'Or

ERP: 6kW

URL: https://goo.gl/maps/2eWBLdmoWUMX15Ed8
Test N°1

Low field strength for DAB reception and very high field strength at the same time for FM band and DTT band.

You might check if you don’t lose DAB signal.
Many short echoes. You might check if the car receiver is able to manage this kind of echoes.
When you go out the tunnel you can check how long you come back to DAB If you chose a radio station present in FM band, you can check how the service following is working (eg Radio Scoop).
SFN reception on that zone with both signals at quasi the same RF level and the timing is equal to quasi 0
Very high field strength with 4 DAB transmitters located at Mont Cindre with an ERP power from 6kW to 13kW each.

<table>
<thead>
<tr>
<th>Frequency</th>
<th>ERP power</th>
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<tbody>
<tr>
<td>5B</td>
<td>6kW</td>
</tr>
<tr>
<td>6A</td>
<td>13kW</td>
</tr>
<tr>
<td>7A</td>
<td>13kW</td>
</tr>
<tr>
<td>7B</td>
<td>10kW</td>
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On the parking you will try to receive 11B which broadcast from Rillieux-la-Pape (near Lyon) and you can try also to receive Switzerland 12A. It will give you an idea of the immunity of the car receiver for discriminating low field strength and high field strength.

Near the location « Départ Sentier des Rapaces » you should have some dropouts due to very high field strength. You might check all local frequencies and 11B.