



## BUA\_ Solutions Techniques

<b>ROUTE FOR DAB CAR RECEIVERS TESTING</b>		Date : 28/05/2021
Réf. du document : Fichier : Route for DAB car receivers testing.docx	Version : 1 Pages : 15 Annexes : 0	
<b>Testing route for DAB car receivers</b>		
Résumé :  This document provides a route which permit to tests different kind of potential problems on DAB car receivers.		
<b>Solutions Techniques / Broadcast RMV</b>		
Rédacteur :  Nicolas Croiset	Approbateur :	<b><i>Exemplaire Réseau</i></b>

**Evolution du document**

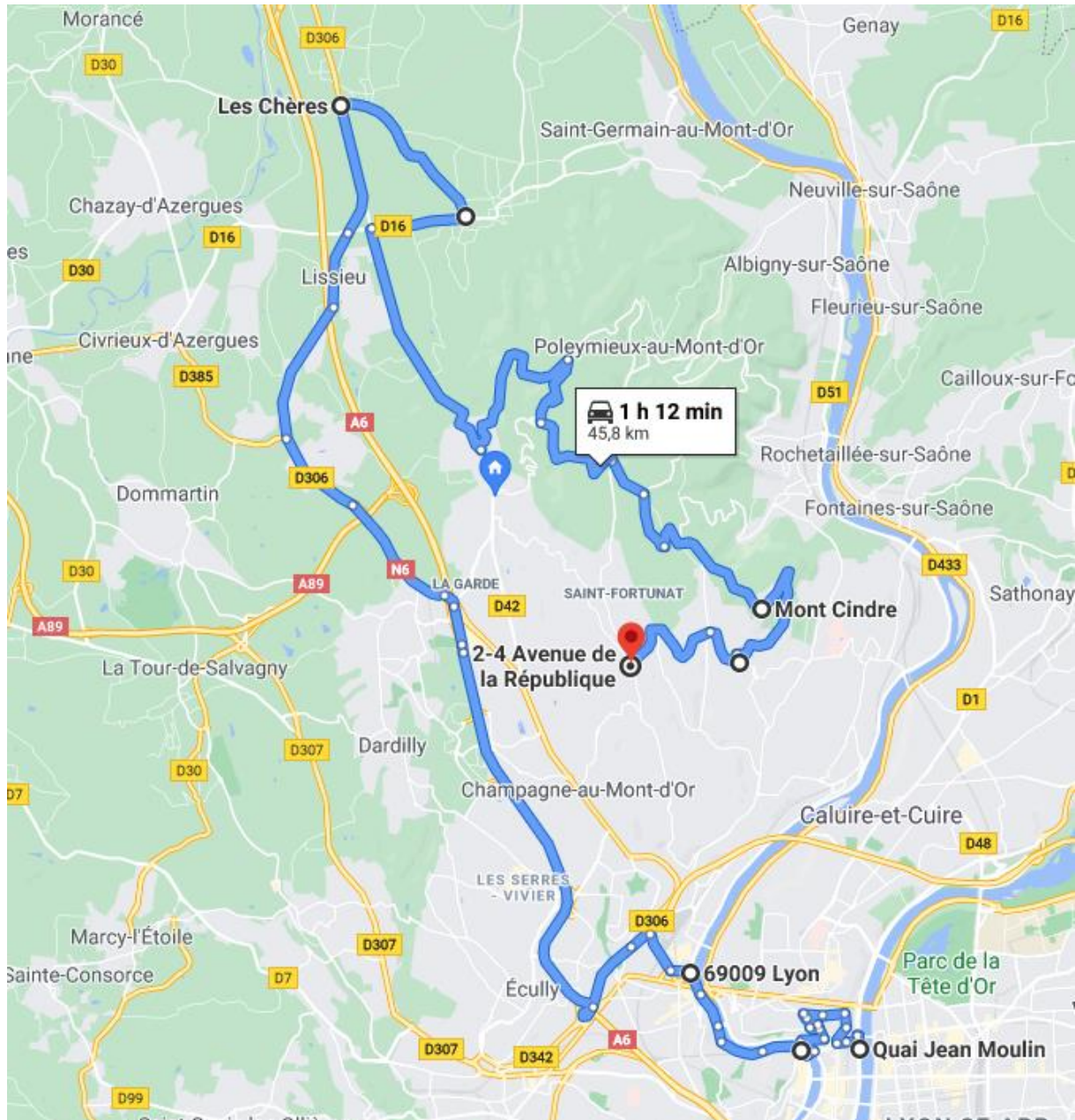
Nota : toute nouvelle version du présent document annule et remplace les versions précédentes.

Version	Date	Objet de la modification	Chapitres
0	28/05/2021	Création	
1			

**DOCUMENTS DE REFERENCE LIES**


## Location

This route is located in Lyon France



Frequency to check : 5B

Transmitter site :

Le Mont-Cindre

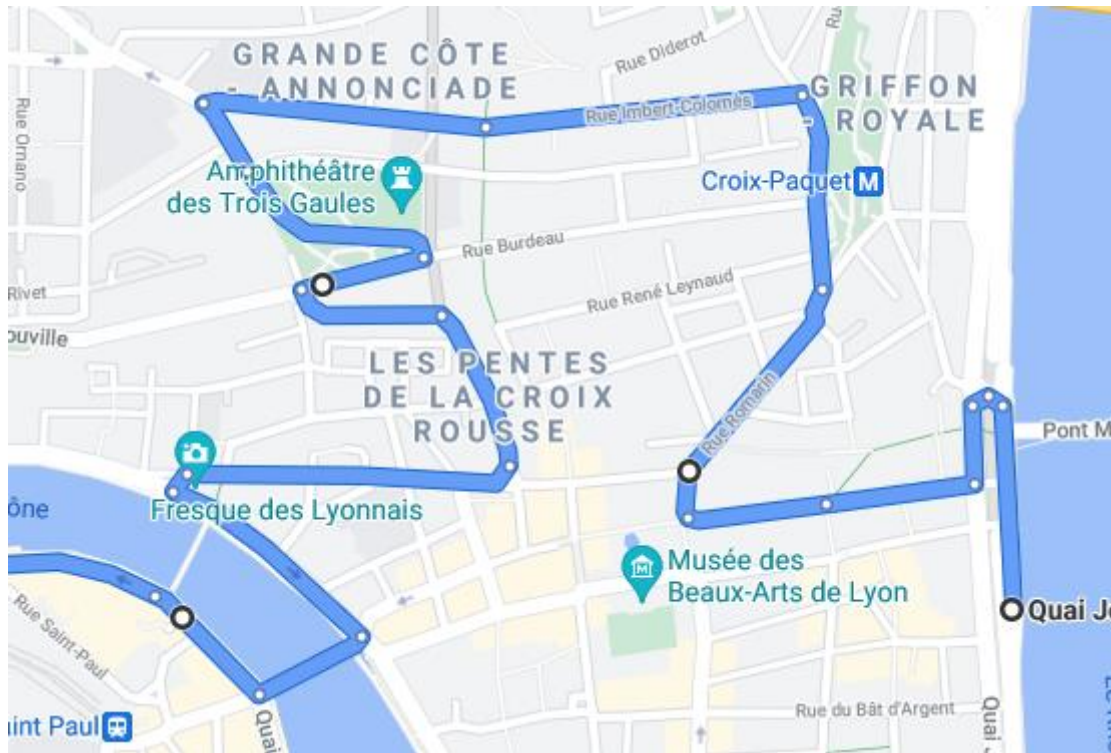
73, route du Mont-Cindre

69450 Saint-Cyr-au-Mont-d'Or

ERP : 6kW

URL : <https://goo.gl/maps/2eWBLdmoWUMX15Ed8>

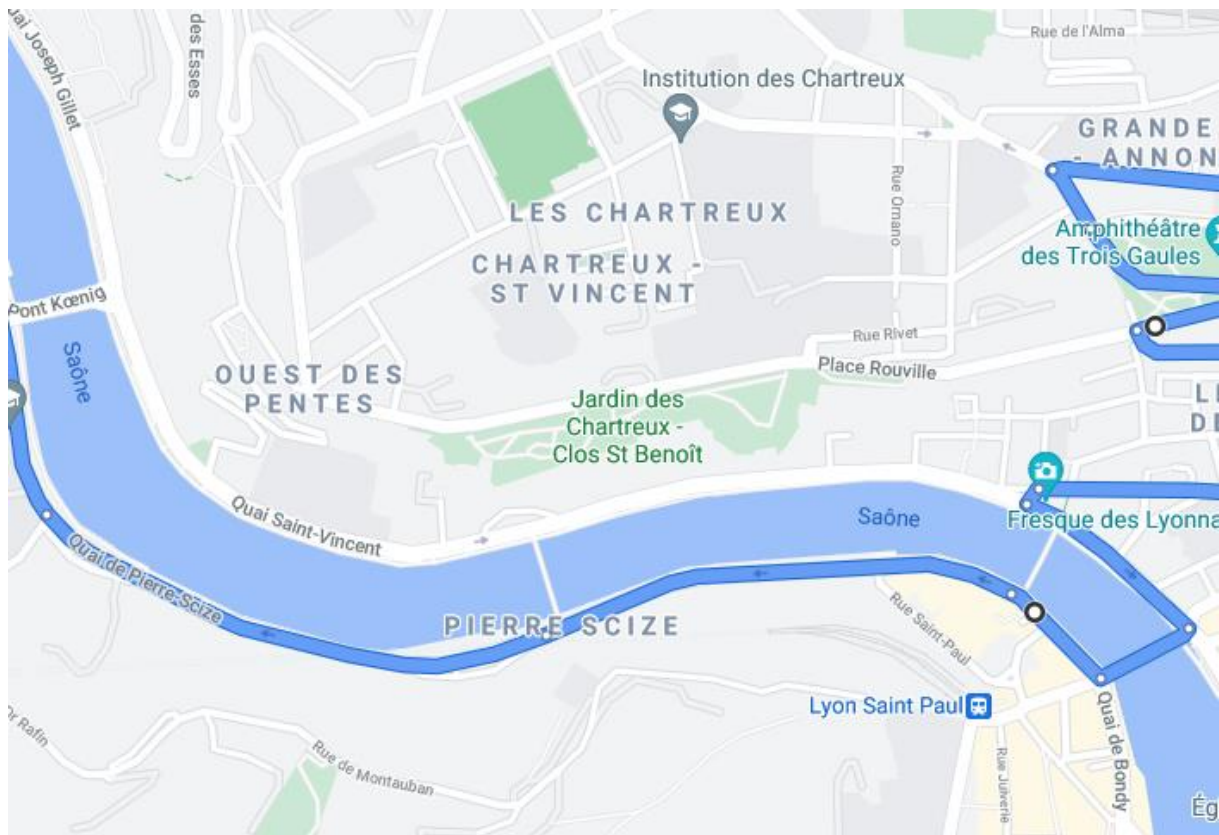
## Test N°1



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

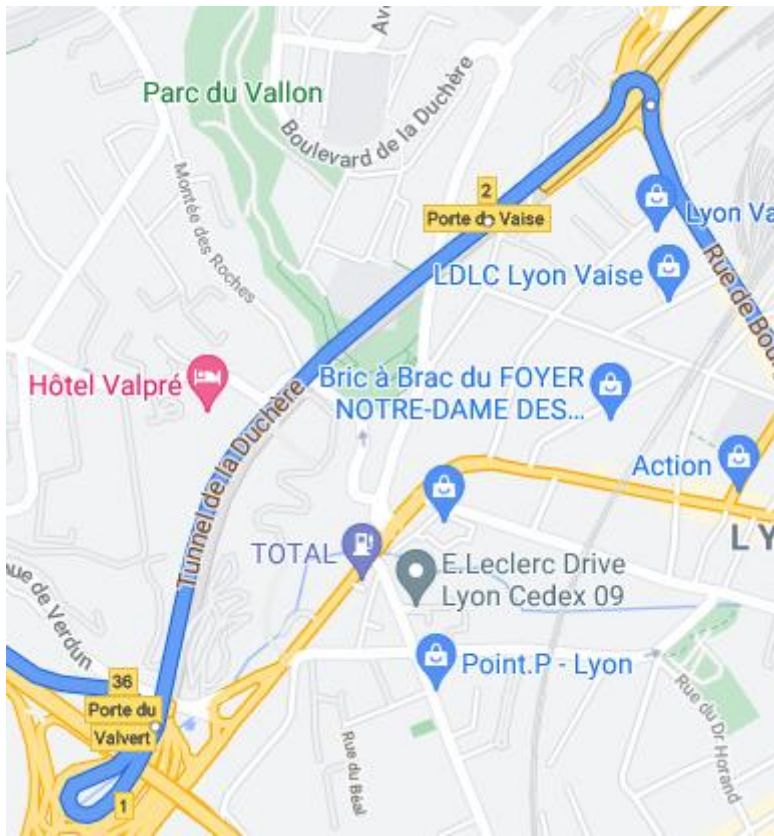
You might check if you don't lose DAB signal.

## Test n°2



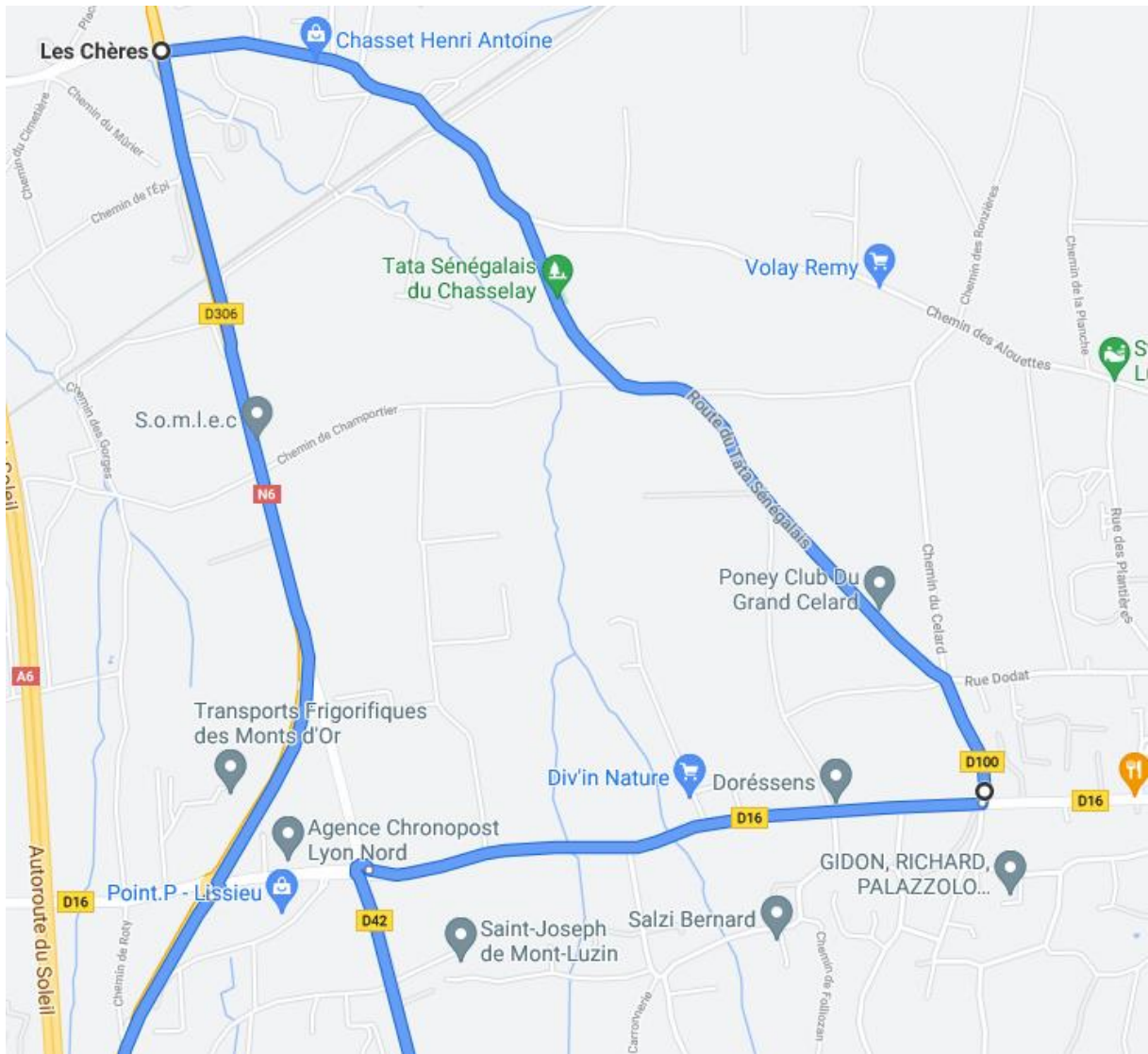
Many short echoes. You might check if the car receiver is able to manage this kind of echoes.

### Test n°3



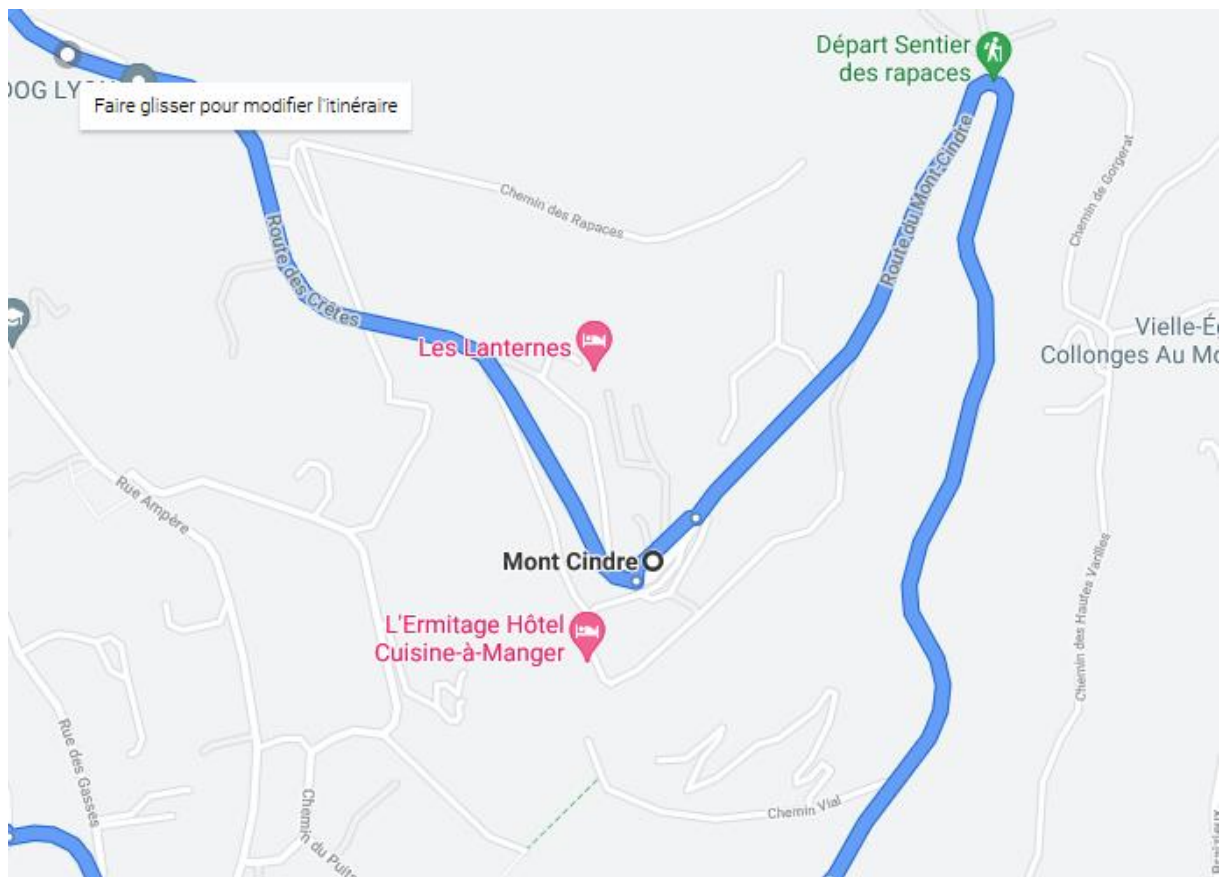
When you go out the tunnel you can check how long you come back to DAB. If you chose a radio station present in FM band, you can check how the service following is working (eg Radio Scoop).

## Test N°4



SFN reception on that zone with both signals at quasi the same RF level and the timing is equal to quasi 0

## Test N°5



Very high field strength with 4 DAB transmitters located at Mont Cindre with an ERP power from 6kW to 13kW each.

Frequency	ERP power
5B	6kW
6A	13kW
7A	13kW
7B	10kW

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.