API Test Report Intelbras

Network Technician Support Analyst

Arthur Cadore M. Barcella

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Network Support - Intelbras

Summary

1. Objective

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do.

1.1. Objective1

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1.2. Objective

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2. Applied Tests

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Figure 1: Image Created by The Author

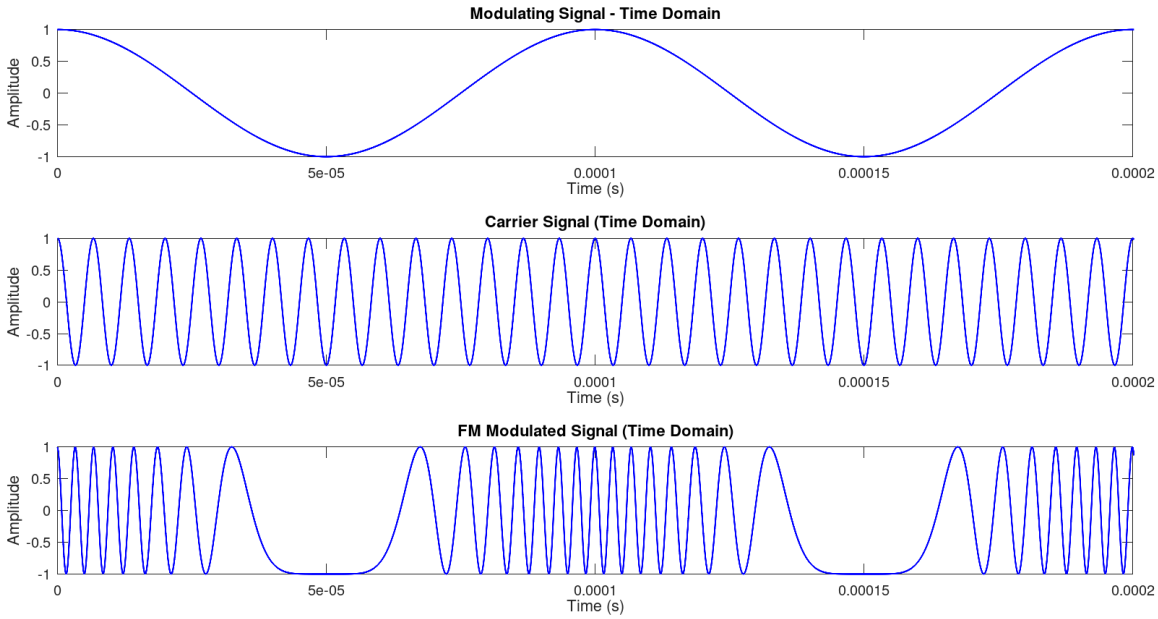

Image Description

Code block with syntax highlighting:

```
close all; clear all; clc;

% Defining the font size for the plots.
set(0, 'DefaultAxesFontSize', 20);

% Defining the signals amplitude.
A_modulating = 1;
A_carrier = 1;
```

```
9
10 % Defining the signals frequency
11 f_modulating = 10000;
12 f_carrier = 150000;
13
14 % modulator sensibility for frequency variation (Hz/volts)
15 k_f = 150000;
16
17 % Delta variable, correponding to max frequency variation.
18 d_f = k_f*A_modulating;
19
20 % Beta variable, correspondig to percentage of frequency variation about
   the frequency of the modulating.
21 b = d_f/f_modulating;
22
23 % Defining the period and frequency of sampling:
24 fs = 50*f_carrier;
25 Ts = 1/fs;
26 T = 1/f_modulating;
27
28 % Defining the sinal period.
29 t_inicial = 0;
30 t_final = 2;
31
32 % "t" vector, correspondig to the time period of analysis, on time domain.
33 t = [t_inicial:Ts:t_final];
34
35 % Defining carrier and modulating signals (for plot purpuses).
36 carrier_signal = A_carrier * cos(2*pi*f_carrier*t);
37 modulating_singal = A_modulating *cos(2*pi*f_modulating*t);
38
39 % Creating the FM modulated signal:
40 phase_argument = 2*pi*k_f*cumsum(modulating_singal)*Ts;
41 modulated_signal = A_carrier * cos(2*pi*f_carrier*t + phase_argument);
```

2.1. Test 1

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2.2. Test 2

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3. Results

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3.1. Result 1

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corpore dolemus, fieri tamen permagna accessio potest, si aliquod aeternum et infinitum impendere.

3.2. Result 2

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3.2.1. Description 1 of Result 2

3.2.2. Description 1 of Result 2

4. Conclusion

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5. References

For this article, the following references were used:

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