```
codage.m
                                                                     g_{i}(l) = \chi_{f}(l) \chi_{f}(l-i), l = 0, \dots, S0F-1
h_{i}(l) = \chi_{f}(l) \chi_{f}(l-i), l = 0, \dots, PLS(-1)
l = \chi_{f}(l) \chi_{f}(l-i), l = 0, \dots, PLS(-1)
l = \chi_{f}(l) \chi_{f}(l-i), l = 0, \dots, PLS(-1)
l = \chi_{f}(l) \chi_{f}(l-i), l = 0, \dots, PLS(-1)
l = \chi_{f}(l) \chi_{f}(l-i), l = 0, \dots, PLS(-1)
l = \chi_{f}(l) \chi_{f}(l-i), l = 0, \dots, PLS(-1)
l = \chi_{f}(l) \chi_{f}(l-i), l = 0, \dots, PLS(-1)
l = \chi_{f}(l) \chi_{f}(l-i), l = 0, \dots, PLS(-1)
l = \chi_{f}(l) \chi_{f}(l-i), l = 0, \dots, PLS(-1)
l = \chi_{f}(l) \chi_{f}(l-i), l = 0, \dots, PLS(-1)
l = \chi_{f}(l) \chi_{f}(l-i), l = 0, \dots, PLS(-1)
l = \chi_{f}(l) \chi_{f}(l-i), l = 0, \dots, PLS(-1)
l = \chi_{f}(l) \chi_{f}(l-i), l = 0, \dots, PLS(-1)
l = \chi_{f}(l) \chi_{f}(l-i)
                                                                                            [channel.m] => Yk=Xej(2TTAfkM+Ox)+Vjk , k=1,...,N
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   \frac{\det(c-sof-plus-pls-glod.m)}{\det(c-sof-plus-pls-glod.m)} \rightarrow 6lobal surmation of sof-pls detectors <math display="block">\frac{\det(c-sof-plus-pls-glod.m)}{\det(c-sof-plus-pls-glod.m)} \rightarrow 6lobal surmation of sof-pls detectors \\ \frac{\det(c-sof-plus-pls-glod.m)}{\det(c-sof-plus-pls-glod.m)} \rightarrow 6lobal surmation of sof-pls detectors \\ \frac{\det(c-sof-plus-pls-glod.m)}{\det(c-sof-pls-glod.m)} \rightarrow 6lobal surmation of sof-pls detectors \\ \frac{\det(c-sof-plus-pls-glod.m)}{\det(c-sof-pls-glod.m)} \rightarrow 6lobal surmation \\ \frac{\det(c-sof-pls-glod.m)}{\det(c-sof-pls-glod.m)} \rightarrow 6lobal surmation \\ \frac
                                                                                                                 dn_2(k) = n_1(k) = \sum_{k=0}^{SOF-1} e^{j(\theta(k-1) - \theta(k-k-1))} g_i(k)
                                                                                                                    = P; (N) = max (In; (K-PLSC)+m; (N)
                                                                                                                                                                                                                                                                                                             | n; (k-PLSC) - m; (k) | ), to k>PLSC
without PL header = d = \sum P_i(V), i = 1, 2, 4, 8, 16, 32
                                                       with PL header
                                                                                                                                       with PL headel =) Same as provious case
                                                                                                                                                                                                                                                                        by adding Pls
                                                                              T = \text{threshold} = \frac{mmi}{99} * (i-1), maxi = max (with PL heades)

P_{fA} = \frac{\sum sign(|without| PL heades|-T)}{sign(|without| PL heades|-T)}
                                                                                            PMD = 5 sign (T- | with PL heades) / (P+PLSC+ 50F)
```