***Ideal value of PSNR should be infinity so higher the PSNR better will be the technique.***

**Results for baboon image (size 512 \* 512)**

1. Using IQR + Log2.

1.1 Green plane for embedding:

Message : 12345678912345678912345678912345678912345678912345678912345678123456789123456789123456789123456789123456789123456789123456789123456789123456789

Message length in bits :1144

MSE RED: 0.186767578

MSE GREEN: 0.008438110

MSE BLUE: 0.001537323

PSNR(RED): 55.4517844 dB

PSNR(GREEN) : 68.9023473 dB

PSNR (BLUE) : 76.2971481 dB

Message : 12345678912345678912345678912345

Message length in bits :256

MSE RED: 0.042800903

MSE GREEN: 0.002037048

MSE BLUE: 0.000370026

PSNR(RED): 61.8502700 dB

PSNR(GREEN) : 75.0747860 dB

PSNR (BLUE) : 82.4824812 dB

1.2 Blue plane for embedding:

Message : 12345678912345678912345678912345678912345678912345678912345678123456789123456789123456789123456789123456789123456789123456789123456789123456789

Message length in bits :1144

MSE RED: 0.186767578

MSE GREEN: 0.001583099

MSE BLUE: 0.007938385

PSNR(RED): 55.4517844 dB

PSNR(GREEN) : 76.1697176 dB

PSNR (BLUE) : 69.1674777 dB

Message : 12345678912345678912345678912345

Message length in bits :256

MSE RED: 0.042800903

MSE GREEN: 0.000358582

MSE BLUE: 0.001934052

PSNR(RED): 61.8502700 dB

PSNR(GREEN) : 82.6189200 dB

PSNR (BLUE) : 75.3001189 dB

1.3 Red plane for embedding:

Message : 12345678912345678912345678912345678912345678912345678912345678123456789123456789123456789123456789123456789123456789123456789123456789123456789

Message length in bits :1144

MSE RED: 0.008853912

MSE GREEN: 0.186653137

MSE BLUE: 0.002891541

PSNR(RED): 68.6934471 dB

PSNR(GREEN) : 55.4544464 dB

PSNR (BLUE) : 73.5535065 dB

Message : 12345678912345678912345678912345

Message length in bits :256

MSE RED: 0.002365112

MSE GREEN: 0.042686462

MSE BLUE: 0.000850677

PSNR(RED): 74.4262816 dB

PSNR(GREEN) : 61.8618977 dB

PSNR (BLUE) : 78.8671499 dB

2. Using Log2 Only

2.1 Blue plane for embedding:

Message : 12345678912345678912345678912345678912345678912345678912345678123456789123456789123456789123456789123456789123456789123456789123456789123456789

Message length in bits :1144

MSE RED: 0.557384491

MSE GREEN: 0.003414154

MSE BLUE: 0.001220703

PSNR(RED): 50.7032505 dB

PSNR(GREEN) : 72.8319682 dB

PSNR (BLUE) : 77.2986987 dB

Message : 12345678912345678912345678912345

Message length in bits :256

MSE RED: 0.125484467

MSE GREEN: 0.000995636

MSE BLUE: 0.000289917

PSNR(RED): 57.1788996 dB

PSNR(GREEN) : 78.1837935 dB

PSNR (BLUE) : 83.5420626 dB

2.2 Green plane for embedding:

Message : 12345678912345678912345678912345678912345678912345678912345678123456789123456789123456789123456789123456789123456789123456789123456789123456789

Message length in bits :1144

MSE RED: 0.557384491

MSE GREEN: 0.001159668

MSE BLUE: 0.003250122

PSNR(RED): 50.7032505 dB

PSNR(GREEN) : 77.5214627 dB

PSNR (BLUE) : 73.0458026 dB

Message : 12345678912345678912345678912345

Message length in bits :256

MSE RED: 0.125484467

MSE GREEN: 0.000236511

MSE BLUE: 0.000957489

PSNR(RED): 57.1788996 dB

PSNR(GREEN) : 84.4262816 dB

PSNR (BLUE) : 78.3534613 dB

2.3 Red plane for embedding:

Message 12345678912345678912345678912345678912345678912345678912345678123456789123456789123456789123456789123456789123456789123456789123456789123456789

Message length in bits : 1144

MSE RED: 0.001392365

MSE GREEN: 0.438491821

MSE BLUE: 0.005844116

PSNR(RED): 76.7272699 dB

PSNR(GREEN) : 51.7451843 dB

PSNR (BLUE) : 70.4976109 dB

Message : 12345678912345678912345678912345

Message length in bits : 256

MSE RED: 0.000373840

MSE GREEN: 0.007793427

MSE BLUE: 0.000205994

PSNR(RED): 82.4379378 dB

PSNR(GREEN) : 69.2475149 dB

PSNR (BLUE) : 85.0262609 dB

3. using log10

3.1 Green plane for embedding:

Message : 12345678912345678912345678912345678912345678912345678912345678123456789123456789123456789123456789123456789123456789123456789123456789123456789

Message length in bits :1144

MSE RED: 0.557384491

MSE GREEN: 0.001224518

MSE BLUE: 0.000080109

PSNR(RED): 50.7032505 dB

PSNR(GREEN) : 77.2851482 dB

PSNR (BLUE) : 89.1280056 dB

Message : 12345678912345678912345678912345

Message length in bits :256

MSE RED: 0.125484467

MSE GREEN: 0.000274658

MSE BLUE: 0.000007629

PSNR(RED): 57.1788996 dB

PSNR(GREEN) : 83.7768736 dB

PSNR (BLUE) : 99.3398986 dB

3.2 Blue plane for embedding:

Message : 12345678912345678912345678912345678912345678912345678912345678123456789123456789123456789123456789123456789123456789123456789123456789123456789

Message length in bits :1144

MSE RED: 0.557384491

MSE GREEN: 0.000095367

MSE BLUE: 0.001167297

PSNR(RED): 50.7032505 dB

PSNR(GREEN) : 88.3707984 dB

PSNR (BLUE) : 77.4929843 dB

Message : 12345678912345678912345678912345

Message length in bits :256

MSE RED: 0.125484467

MSE GREEN: 0.000011444

MSE BLUE: 0.000293732

PSNR(RED): 57.1788996 dB

PSNR(GREEN) : 97.5789860 dB

PSNR (BLUE) : 83.4852913 dB

3.3 Red plane for embedding:

Message : 123456789123456789123456789123456789123456789123456sadaddadd8912345678123456789123456789123456789123456789123456789123ewewffewef56789123456789123456789123456789

Message length in bits :1280

MSE RED: 0.001319885

MSE GREEN: 0.503845215

MSE BLUE: 0.000000000

PSNR(RED): 76.9594375 dB

PSNR(GREEN) : 51.1418279 dB

PSNR (BLUE) : Inf dB

Message : 1234567891234567dddsdsdsdfgwfbdvf8912345678912345

Message length in bits :392

MSE RED: 0.000400543

MSE GREEN: 0.159076691

MSE BLUE: 0.000000000

PSNR(RED): 82.1383055 dB

PSNR(GREEN) : 56.1487338 dB

PSNR (BLUE) : Inf dB

4.Using IQR only

4.1 Blue plane for embedding:

Message : 12345678912345678912345678912345678912345678912345678912345678123456789123456789123456789123456789123456789123456789123456789123456789123456789

Message length in bits :1144

MSE RED: 0.288906097

MSE GREEN: 0.000003815

MSE BLUE: 0.004695892

PSNR(RED): 53.5572322 dB

PSNR(GREEN) : 102.3501985 dB

PSNR (BLUE) : 71.4476180 dB

Message : 12345678912345678912345678912345

Message length in bits :256

MSE RED: 0.063228607

MSE GREEN: 0.000003815

MSE BLUE: 0.001213074

PSNR(RED): 60.1556632 dB

PSNR(GREEN) : 102.3501985 dB

PSNR (BLUE) : 77.3259273 dB

4.2 Green plane for embedding:

Message : 12345678912345678912345678912345678912345678912345678912345678123456789123456789123456789123456789123456789123456789123456789123456789123456789

Message length in bits :1144

MSE RED: 0.321979523

MSE GREEN: 0.004295349

MSE BLUE: 0.000000000

PSNR(RED): 53.0865168 dB

PSNR(GREEN) : 71.8348146 dB

PSNR (BLUE) : Inf dB

Message : 12345678912345678912345678912345

Message length in bits :256

MSE RED: 0.102138519

MSE GREEN: 0.000980377

MSE BLUE: 0.000000000

PSNR(RED): 58.0729037 dB

PSNR(GREEN) : 78.2508673 dB

PSNR (BLUE) : Inf dB

4.3 Red plane for embedding:

Message : 12345678912345678912345678912345678912345678912345678912345678123456789123456789123456789123456789123456789123456789123456789123456789123456789

Message length in bits :1144

MSE RED: 0.005466461

MSE GREEN: 0.293769836

MSE BLUE: 0.000003815

PSNR(RED): 70.7877366 dB

PSNR(GREEN) : 53.4847273 dB

PSNR (BLUE) : 102.3501985 dB

Message : 1234567891234567dddsdsdsdfgwfbdvf8912345678912345

Message length in bits :392

MSE RED: 0.001712799

MSE GREEN: 0.094356537

MSE BLUE: 0.000000000

PSNR(RED): 75.8277351 dB

PSNR(GREEN) : 58.4170794 dB

PSNR (BLUE) : Inf dB