



Figure 4. 2D image after MTRC correction

As shown in Fig.4, MTRC of scatters has been totally corrected and we get the clear image, which verifies the algorithm.

VI. CONCLUSION

With the assumption that the bistatic angle keeps constant during imaging process, the character of complex bistatic ISAR baseband echo is researched and the conclusion that the rotation of bisector during imaging process could lead to the MTRC is got. Keystone transformation is adopted to remove the MTRC in target range profile. Finally, space target model with ideal scatters is adopted in simulation experiment. The

experiment results show that Keystone transformation could effectively remove MTRC in bistatic ISAR.

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