## Radiation pattern measurement for Chinese Spectral Radio Heliograph

<u>Li Sha</u>, <u>Yan Yihua</u>, <u>Wang Wei</u>, <u>Liu Donghao</u> ( *National Astronomical Observatories* )

lisha1400@bao.ac.cn, yyh@bao.ac.cn, wwang@bao.ac.cn, dhliu@bao.ac.cn

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The Chinese Spectral Radio Heliograph (CSRH) is an Interferometry that is currently being built in Inner-Mongolia. The CSRH system will consist of 100 antennas covering 0.4~15GHz frequency range. The program utilizes the antenna in two frequency bands about 0.4~2GHz and 2~15GHz. The design and far field performance of the feed for CSRH-I(0.4~2GHz) is introduced in this paper. Amplitude and phase, co-polar and cross-polar patterns of the feed were measured and simulated at phi angles of 0°, 90°and for theta rotation angles of -90°to +90°in 1.3°step. The measured far filed patterns coincide with simulation results very well.