

Correspondence

Correction to "A Two-Dimensional Coupled Oscillator Array"

In the above paper,¹ it was suggested that the array described represents the first implementation of an agile beam two-dimensional (2-D) array based on mutually injection locked oscillators. It has recently been brought to my attention that a description of an earlier such array was reported by Dr. Ragip Ispir *et al.* [1]. That design involves both the rf coupling between the radiating elements and microstrip lines connecting the radiating elements to mutually injection lock a three by three element Gunn diode oscillator array at X-band. Two four-element arrays of similar design are also described. In contradistinction, the S-band array described in the above paper isolates the mutual coupling between the radiating elements from the oscillators via buffer amplifiers, thus separating the design of the radiating aperture from that of the microstrip transmission line coupling network connecting the oscillator tank circuits. Nevertheless, the array of Ispir, *et al.* indeed predates that described in the above paper. I thank Dr. Ispir for calling this work to my attention that I may withdraw my claim to the first 2-D array and set the record straight.

REFERENCES

- [1] R. Ispir, S. Nogi, M. Sanagi, and K. Fukui, "Transmission-line coupling of active microstrip antennas for one- and two-dimensional phased arrays," *IEICE Trans. Electron.*, vol. E80-C, pp. 1211–1220, Sept. 1997.

Manuscript received August 10, 2001.

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Publisher Item Identifier S 1531-1309(01)09053-5.

¹R. J. Pogorzelski, *IEEE Microwave Guided Wave Lett.*, vol. 10, pp. 478–480, Nov. 2000.