

MAGNETOSTATIC WAVE COMPRESSIVE RECEIVER

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ABSTRACT

An S-band compressive receiver is utilizing an MSW (Magneto-static Wave) epitaxial YIG dispersive delay line for broadband spectral analysis is presented. The dispersive line, centered at 2.7 GHz with an 870 GHz bandwidth dispersed over 0.2 MSCC allows analysis of a 650 GHz band with 12 MHz resolution.

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