Plasmonic-Organic Hybrid Mach-Zehnder Modulators: Experimental Characterization of Intermodulation Distortions

Figure 1. (a) Micrograph of a Plasmonic phased array feeder enabling ultrafast beam steering at millimeter waves. (b) Experimental setup for nonlinear distortions tests. (c) Experimental setup for ultrafast operation (>170 GHz). (d) SFDR vs. input power for the POH Zehnder modulator with >70 GHz Electrical Bandwidth, composed by a silicon dioxide strip, organic phosphonic hybrids and zero bias by adjusting the operating point of input powers.

References