Fig. 1. Rate-distortion curves of different compression methods on 100 high resolution images. (a) VPSNR. (b) VSSIM. (c) CPP-PSNR.

TABLE I
PERFORMANCE COMPARISON OF DIFFERENT COMPRESSION METHODS IN TERMS OF BD-VPSNR, BD-VSSIM, AND BD-BR ON 100 HIGH RESOLUTION
ERP IMAGES.

Method	RATE-VPSNR		RATE-VSSIM	
	BD-VPSNR (dB)	BD-BR (%)	BD-VSSIM	BD-BR (%)
JPEG-RWP	−2.68	95.32	−0.068	59.16
JPEG	−3.21	122.01	−0.088	84.58
JPEG2000-RWP	−0.62	22.57	−0.017	20.67
JPEG2000	−0.79	29.89	−0.022	27.94
BPG	0.00	0.00	0.000	0.00
BPG-RWP	0.17	−5.77	0.006	−7.03
Ballé18-RWP	0.69	−18.92	0.021	−20.41
Ballé18	0.58	−16.02	0.018	−17.36
Minnen18-RWP	0.96	−25.63	0.027	−26.05
Minnen18	0.92	−24.61	0.025	−24.85
VVC	0.63	−20.00	0.020	−20.82
Ours (VSSIM)	−0.20	5.75	0.057	−51.32
Ours (VMSE)	1.18	−31.03	0.030	−27.75