Table 1. The tracking performance of case 1 in CEUS mode under different tracking method and tracking frame length setting.

CASE 1 TRACKING SPEED AND ACCURACY OF CEUS													
Ti	Tracking Method		Tracking Frame Length										
N			30	60	90	120	150	180	210	240	270		
	KTL	13.63	0.930	0.803	0.770	0.695	0.622	0.523	0.562	0.473	0.356		
V	FAST	14.15	0.894	0.804	0.771	0.695	0.625	0.524	0.562	0.475	0.364		
Key Point	BRISK	11.24	0.893	0.803	0.770	0.693	0.622	0.523	0.564	0.511	0.359		
Foliu	SURF	15.28	0.892	0.802	0.767	0.693	0.621	0.521	0.563	0.471	0.356		
	MSER	12.11	0.892	0.801	0.768	0.692	0.621	0.522	0.559	0.471	0.356		
	ORB	10.55	0.927	0.799	0.764	0.690	0.618	0.518	0.558	0.465	0.347		
CA	CARD 256		0.852	0.906	0.895	0.889	0.894	0.877	0.903	0.843	0.865		
CA	CARD 128		0.852	0.906	0.895	0.889	0.894	0.877	0.903	0.843	0.865		

Table 2. The tracking performance of case 1 in US mode under different tracking method and tracking frame length setting.

CASE 1 TRACKING SPEED AND ACCURACY OF US												
Tuo alsiu	Tracking Method		Tracking Frame Length									
Trackii			30	60	90	120	150	180	210	240	270	
	KTL	10.51	0.929	0.801	0.769	0.693	0.623	0.523	0.569	0.473	0.360	
17	FAST	11.28	0.895	0.807	0.773	0.701	0.628	0.527	0.575	0.519	0.371	
Key Points	BRISK	9.06	0.894	0.805	0.772	0.701	0.627	0.525	0.571	0.516	0.367	
Points	SURF	12.31	0.891	0.800	0.766	0.692	0.623	0.522	0.566	0.470	0.354	
	MSER	10.88	0.894	0.805	0.772	0.700	0.627	0.525	0.570	0.517	0.360	
	ORB	9.09	0.888	0.797	0.764	0.690	0.618	0.519	0.557	0.465	0.347	
CAF	CARD 256		0.919	0.923	0.911	0.892	0.892	0.894	0.873	0.901	0.851	
CAF	CARD 128		0.919	0.923	0.911	0.892	0.892	0.894	0.873	0.901	0.851	

Table 3. The tracking performance of case 2 in CEUS mode under different tracking method and tracking frame length setting.

CASE 1 TRACKING SPEED AND ACCURACY OF CEUS												
Trac	Tracking Method		Tracking Frame Length									
Me			30	60	90	120	150	180	210	240	270	
	KTL	7.28	0.936	0.833	0.755	0.720	0.643	0.520	0.623	0.561	0.500	
V	FAST	8.00	0.878	0.825	0.749	0.716	0.640	0.517	0.623	0.556	0.500	
Key Points	BRISK	6.88	0.880	0.828	0.752	0.718	0.641	0.519	0.624	0.558	0.501	
Politis	SURF	7.93	0.886	0.831	0.754	0.719	0.642	0.519	0.620	0.561	0.499	
	MSER	8.01	0.884	0.830	0.753	0.718	0.640	0.519	0.622	0.561	0.499	
	ORB	6.68	0.887	0.831	0.755	0.718	0.641	0.518	0.618	0.560	0.497	
CAR	D 256	2.99	0.962	0.958	0.950	0.936	0.960	0.906	0.955	0.915	0.967	
CAR	CARD 128		0.958	0.963	0.942	0.938	0.931	0.868	0.946	0.913	0.968	

Table 4. The tracking performance of case 2 in US mode under different tracking method and tracking frame length setting.

CASE 1 TRACKING SPEED AND ACCURACY OF US												
T1-i-	Tracking Method		Tracking Frame Length									
Trackii			30	60	90	120	150	180	210	240	270	
	KTL	4.44	0.936	0.831	0.753	0.718	0.640	0.518	0.621	0.559	0.498	
Vov	FAST	7.87	0.881	0.829	0.752	0.718	0.641	0.519	0.624	0.558	0.500	
Key Points	BRISK	6.90	0.883	0.831	0.754	0.718	0.641	0.518	0.623	0.559	0.499	
Folitis	SURF	7.55	0.885	0.829	0.752	0.717	0.639	0.517	0.620	0.559	0.498	
	MSER	7.75	0.883	0.828	0.750	0.714	0.637	0.516	0.619	0.556	0.497	
	ORB	6.36	0.884	0.829	0.753	0.716	0.638	0.516	0.618	0.558	0.497	
CAI	CARD 256		0.962	0.958	0.950	0.936	0.960	0.907	0.955	0.915	0.967	
CAI	CARD 128		0.962	0.958	0.950	0.936	0.960	0.906	0.955	0.915	0.968	