

Related commands please refer to protocol document:

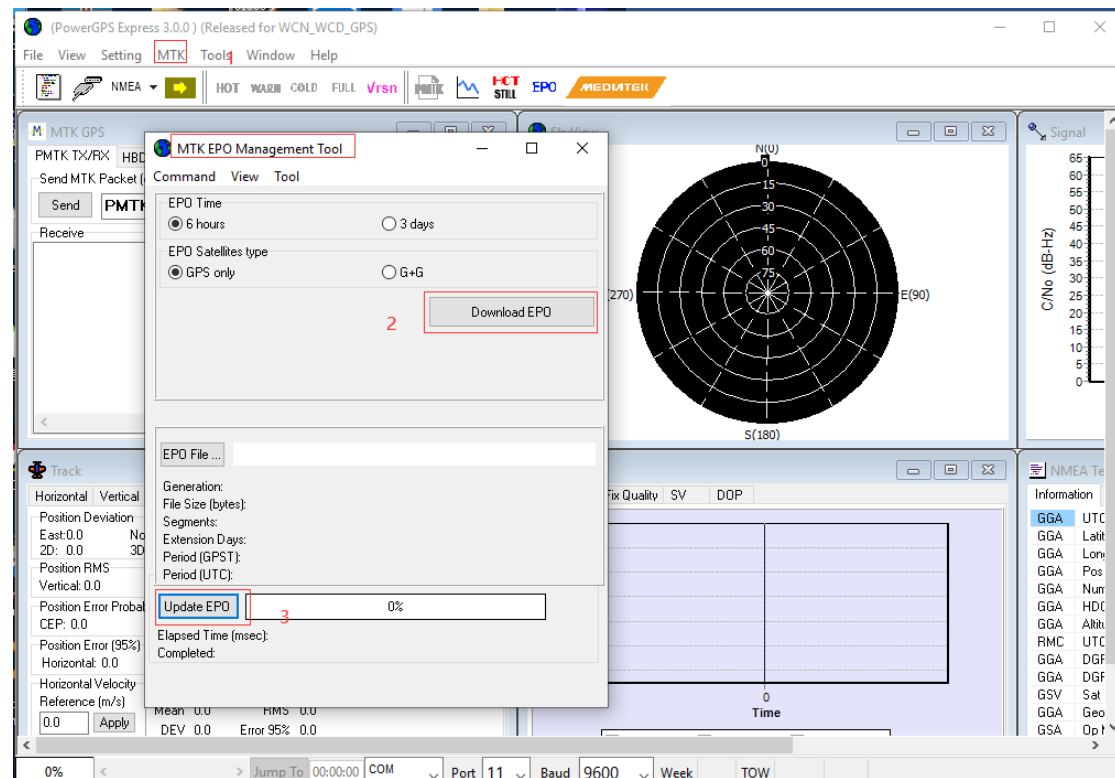
\$PMTK127\*36 // Clear Flash EPO.

\$PMTK607\*33 // Inquiry Flash EPO status.

Flash EPO TTFF Testing Procedure:

1,

Run PowerGPS as administrator > MTK > EPO Management Tool > Download EPO > Update EPO.

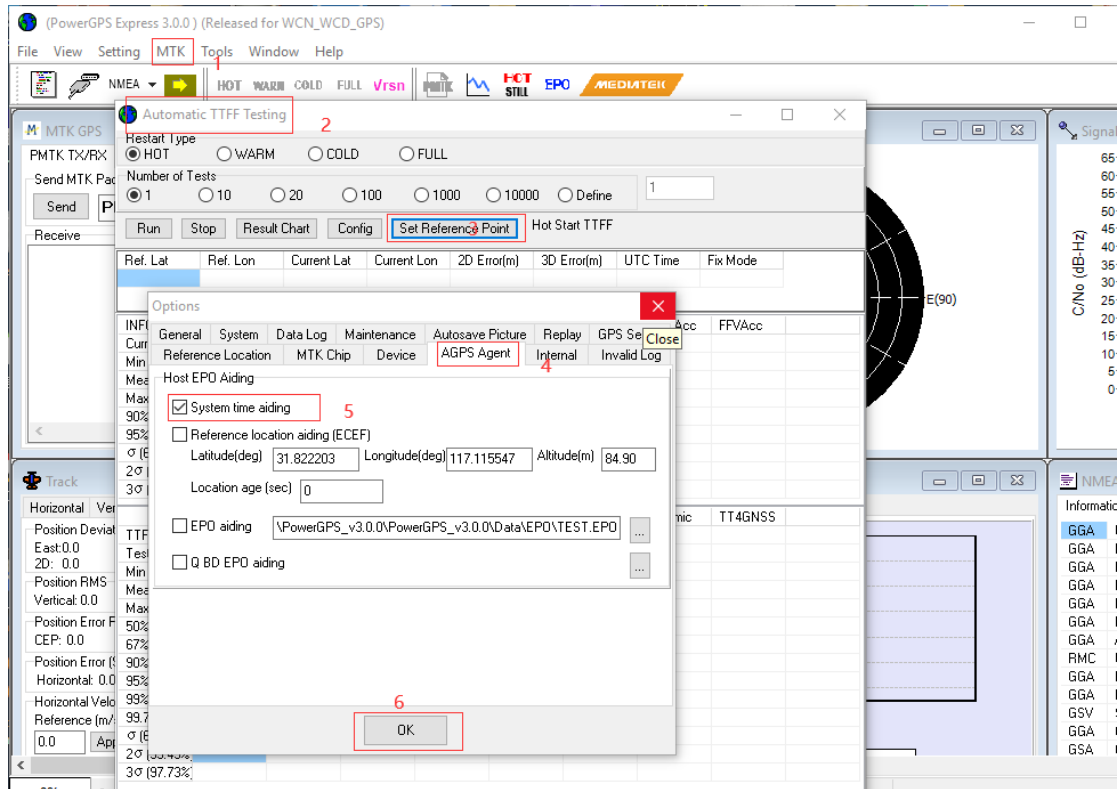


1-1,

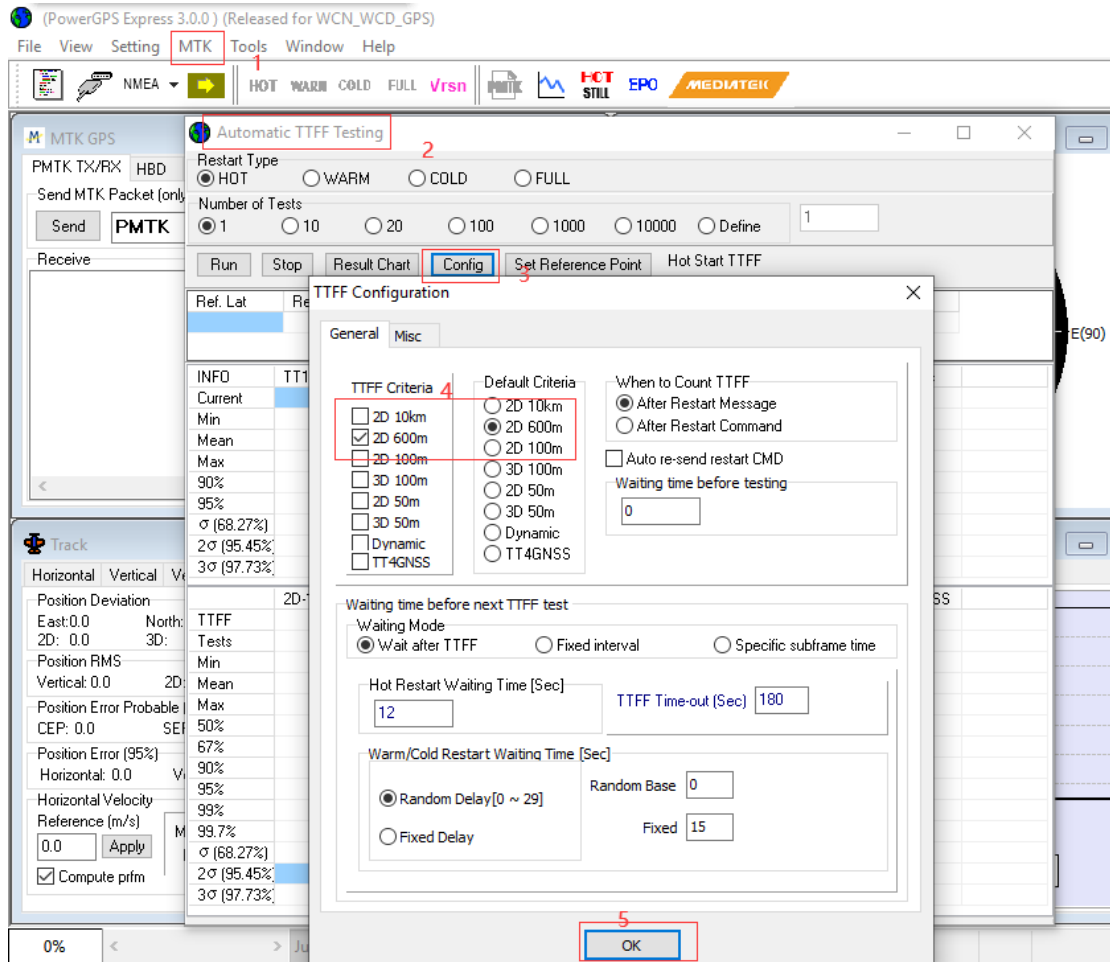
\$PMTK607\*33 // Inquiry Flash EPO status, make sure EPO is successfully downloaded.

2,

MTK > Static TTFF Testing > Set Reference Point > AGPS Agent: only select "System time aiding".



2-1,  
Config > 2D-600M > OK.



3, \$PMTK869,1,0\*34 // Disable EASY.

4, Run 10 times cold start > calculate the average TTFF.

MTK GPS 2 Automatic TTFF Testing

Restart Type  
 HOT  WARM **3**  COLD  FULL

Number of Tests  
 1 **4**  10  20  100  1000  10000  Define 1

Run Stop Result Chart **6** **5** Config Set Reference Point Cold Restart TTFF

TTFF Configuration

General Misc

TTFF Criteria  
 2D 10km  
 2D 600m

Default Criteria  
 2D 10km  
 2D 600m  
 2D 100m  
 3D 100m  
 2D 50m  
 3D 50m  
 Dynamic  
 TT4GNSS

When to Count TTFF  
 After Restart Message  
 After Restart Command

Auto re-send restart CMD  
Waiting time before testing  
0

Waiting time before next TTFF test

Waiting Mode  
 Wait after TTFF  Fixed interval  Specific subframe time

Hot Restart Waiting Time [Sec] 12 TTFF Time-out [Sec] 180

Warm/Cold Restart Waiting Time [Sec]

Random Delay[0 ~ 29] Random Base 0  
 Fixed Delay Fixed 15

OK

Track

Horizontal	Vertical	V
Position Deviation	East: 0.0	North: 0.0
2D: 0.0	3D: 0.0	
Position RMS	Vertical: 0.0	2D: 0.0
Position Error Probable	CEP: 0.0	SE: 0.0
Position Error (95%)	Horizontal: 0.0	V: 0.0
Horizontal Velocity	Reference (m/s)	M: 0.0
99.7%	$\sigma$ (68.27%)	
99.7%	2 $\sigma$ (95.45%)	
99.7%	3 $\sigma$ (97.73%)	

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