

<Q1>

Could you tell me the reason why tDCHG of TPS2544 was increased from "205ms - 450ms" to "1.3s - 2.9s" in comparison with TPS2543 ?

TPS2544

DISCHARGE					
R _{DCHG}	OUT discharge resistance	V _{OUT} = 4 V, V _{EN} = 0 V	400	500	630 Ω
t _{DCHG}	OUT discharge hold time	Time V _{OUT} < 0.7 V (see Figure 23)	1.30	2.0	2.9 s

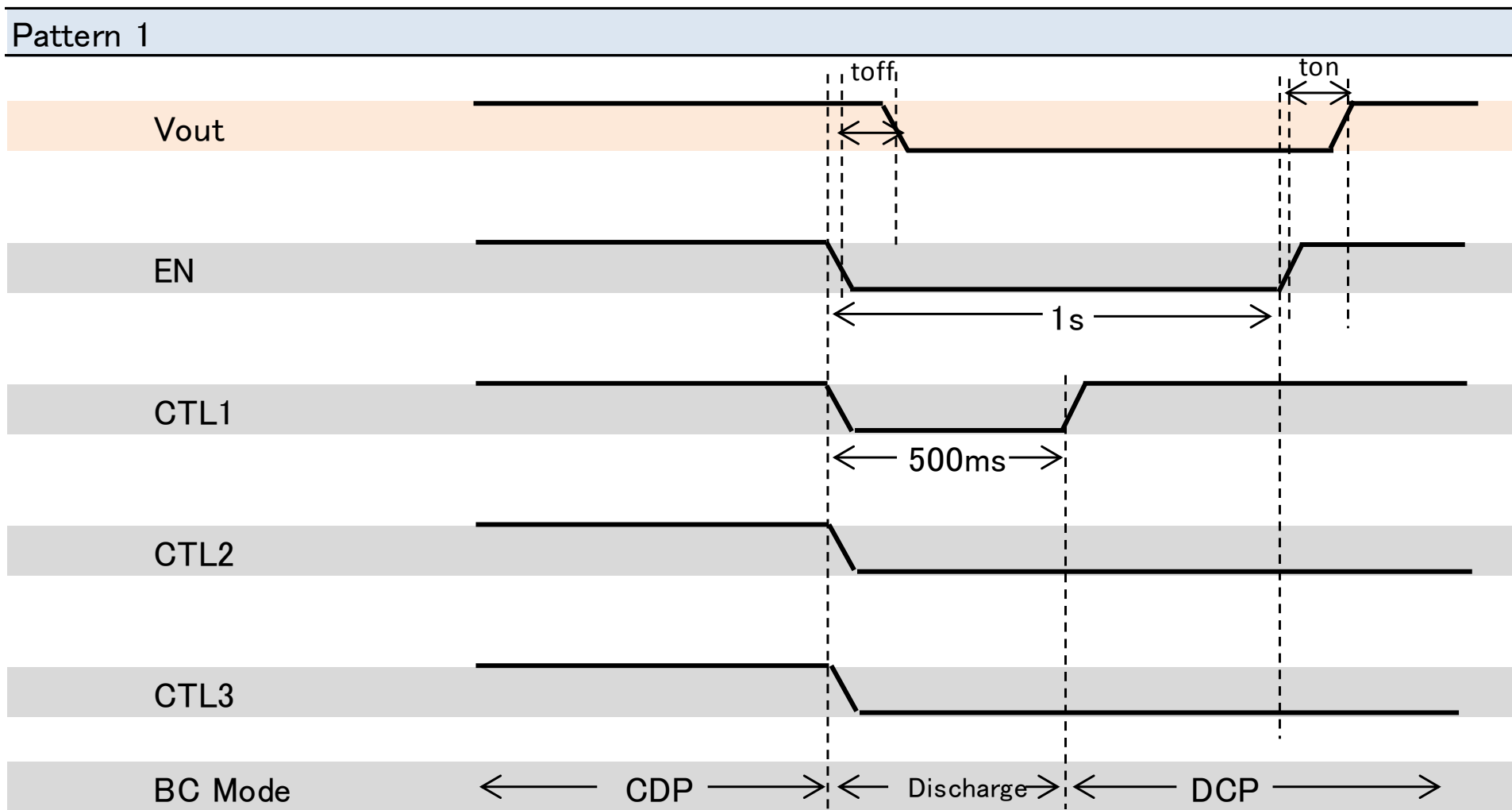
TPS2543

DISCHARGE					
R _{DCHG}	OUT discharge resistance	V _{OUT} = 4 V, V _{EN} = 0 V	400	500	630 Ω
t _{DCHG}	OUT discharge hold time	Time V _{OUT} < 0.7 V (see Figure 26)	205	310	450 ms

<Q2>

Are Vout sequence about following pattern 1 - 3 correct ?

If no, Could you write the Vout Sequence for pattern 1-3 ?



Pattern 2

