VS_Set_Max_Output_Power() test setup at TIJ

PC

Spectrum Analyzer

USB UART

4

System-A

2

SPP demo based SW

MSP430 — UART (HCI) — CC2564B

3

1

SPP connection

System-B

SPP demo based SW

CC2564B — UART (HCI) — MSP430
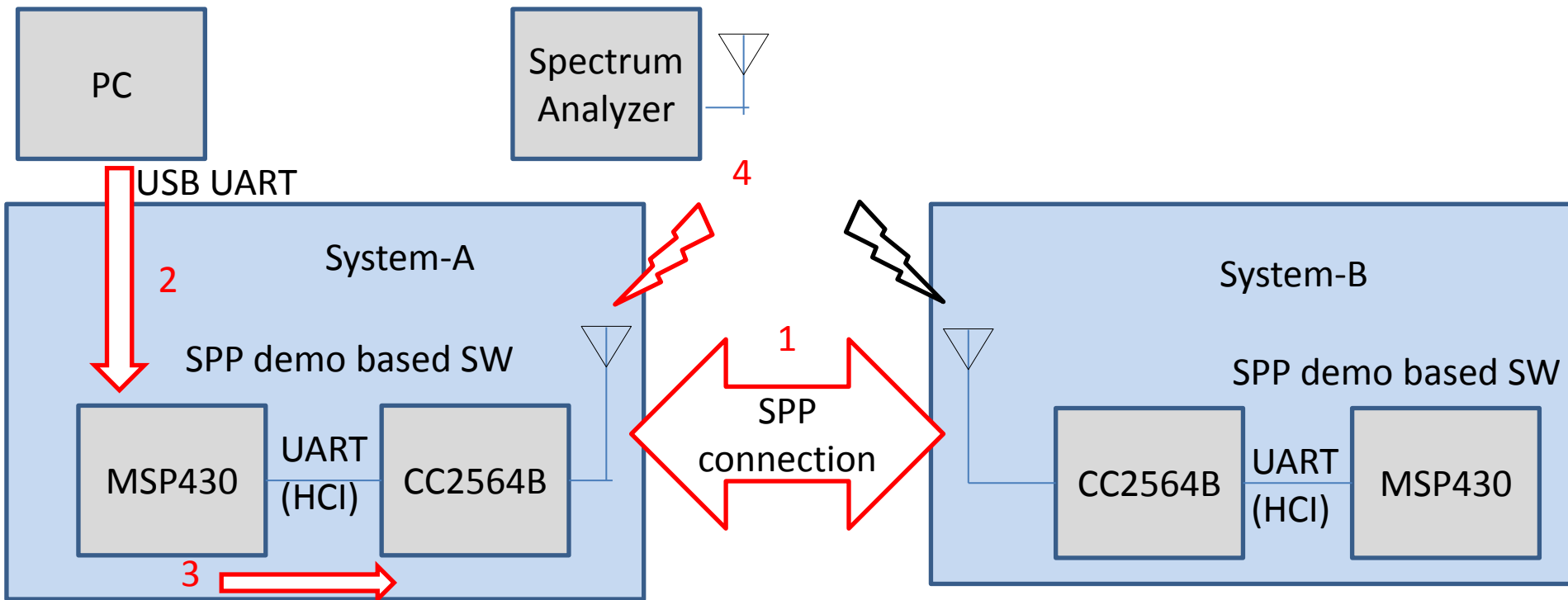
1. System-A and System-B are connected with SPP profile.
2. A "custom command" is sent from PC to change System-A output power.
3. MSP430 on System-A receives the command and
   sends VS_Set_Max_Output_Power() to CC2564B on System-A.
4. RF output spectrum is measured by Spectrum Analyzer.

Test Procedure

1. Output power is configured 12dBm without SPP connection and spectrum is measured.

2. Output power is configured -20dBm without SPP connection and spectrum is measured.

3. Output power is configured -10dBm without SPP connection and spectrum is measured.

4. SPP connection is done with -10dBm and spectrum is measured.

5. Then output power is configured to -20dBm and spectrum is measured. (SPP connected)

6. Then output power is configured to 12dBm and spectrum is measured. (SPP connected)

7. SPP is disconnected once, then output power is configured to 12dBm again. Then SPP is connected and spectrum is measured.

8. Then output power is configured to -10dBm and spectrum is measured.(SPP connected).

9. Then output power is configured to -20dBm and spectrum is measured.(SPP connected).
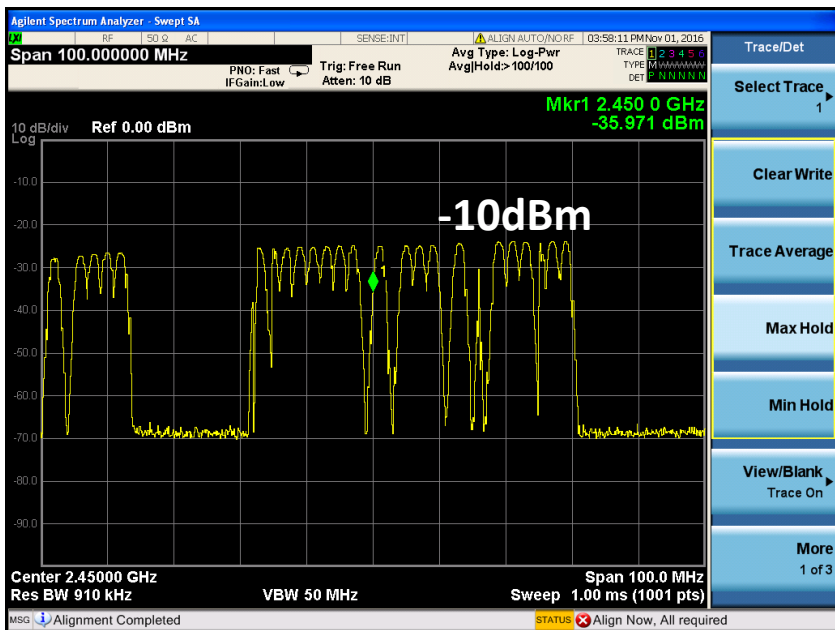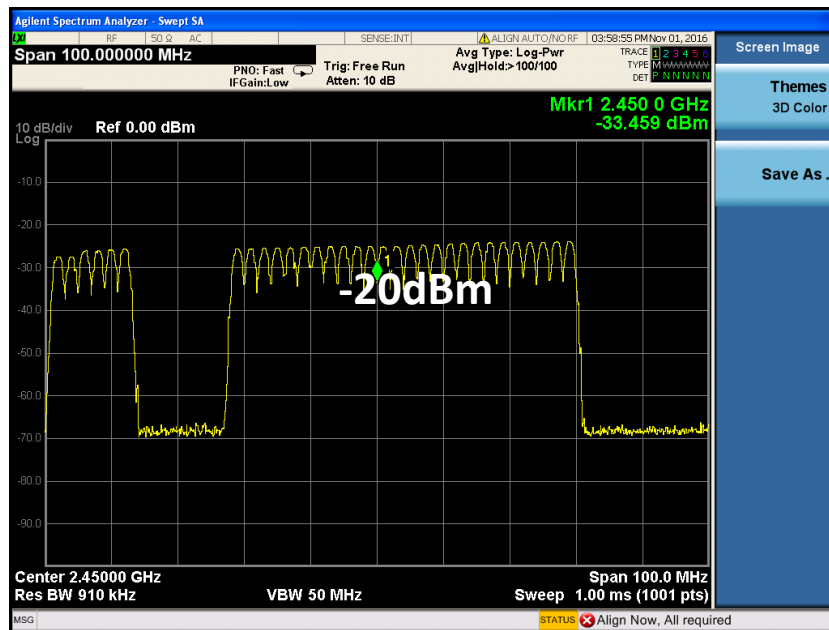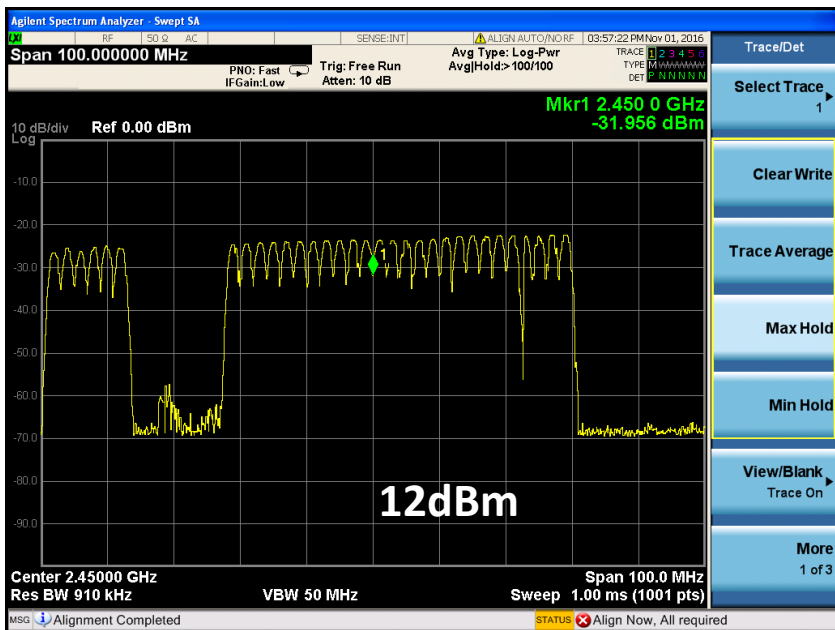
Result #1, #2 and #3
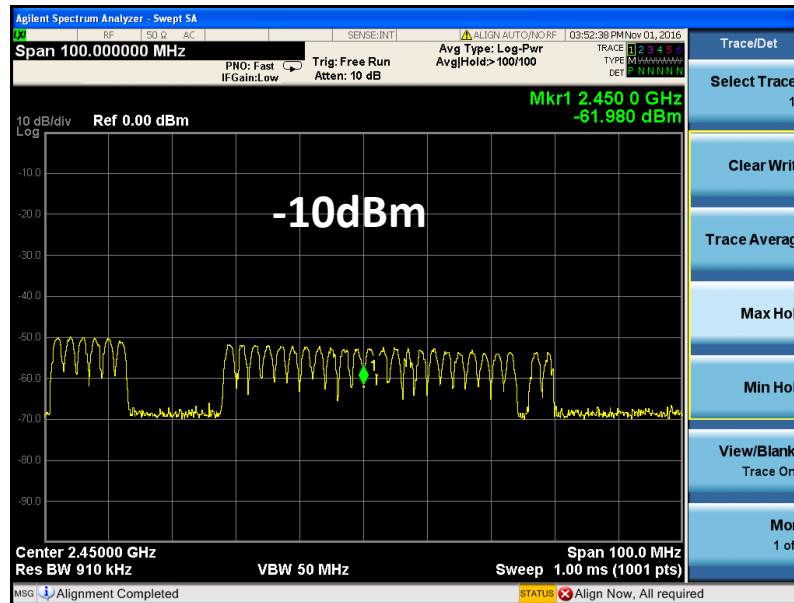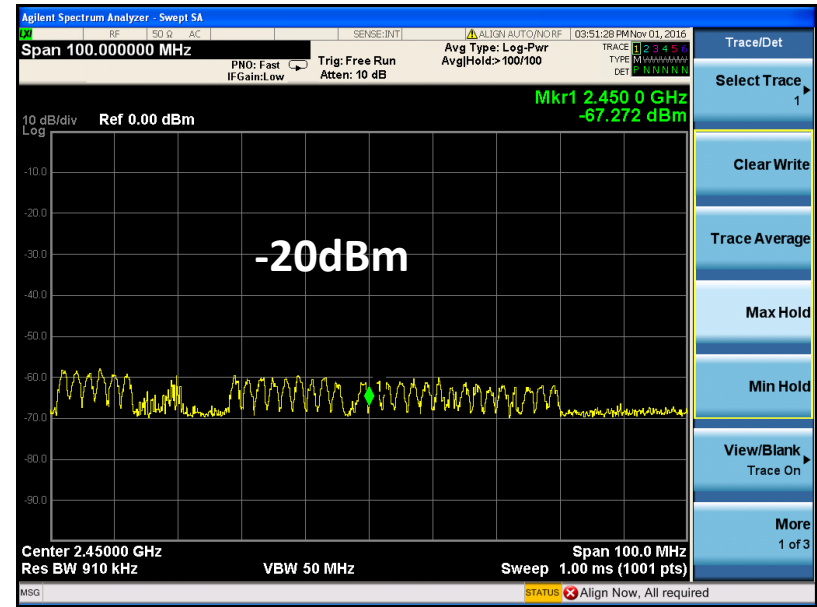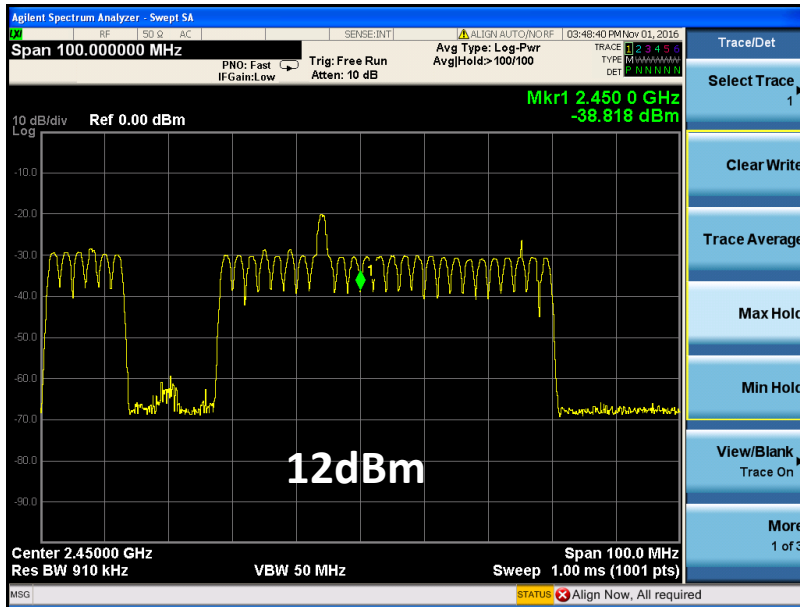
Output Power changes if SPP is not connected.

Result #4, #5 and #6
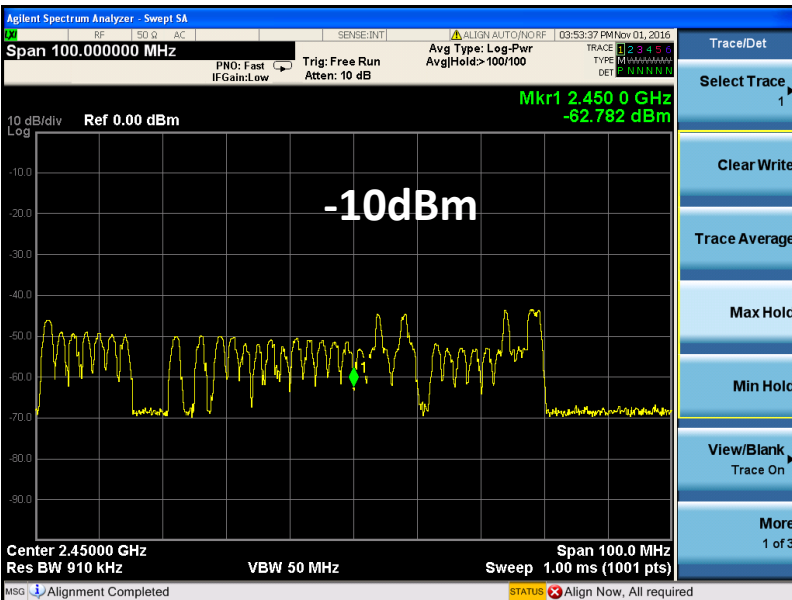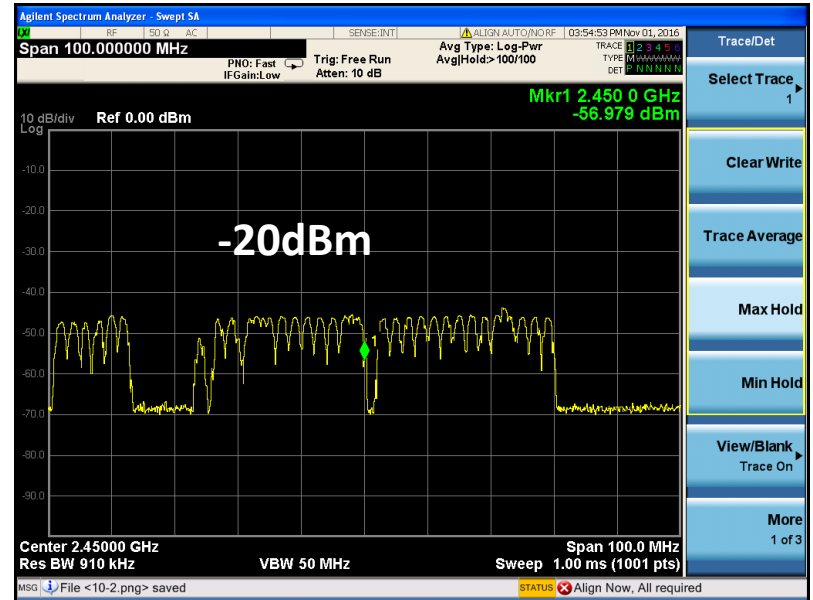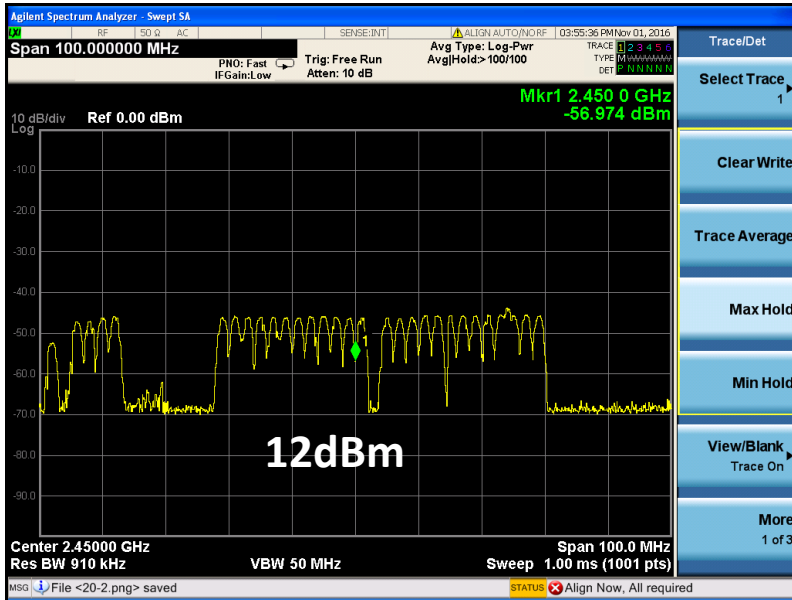
Output Power does not seem change if SPP is connected.

Result #7, #8 and #9

Output Power does not seem change if SPP is connected.