

## RF Exposure Evaluation

### FCC ID: PCXTLS-V4

#### 1. Client Information

**Applicant** : TABPILOT LEARNING SYSTEMS, INC.  
**Address** : 517 OOTHCALOOGA ST. STE. C, CALHOUN, GA 30701, US  
**Manufacturer** : TABPILOT LEARNING SYSTEMS, INC.  
**Address** : 517 OOTHCALOOGA ST. STE. C, CALHOUN, GA 30701, US

#### 2. General Description of EUT

|                            |   |                                                                                                                                                        |
|----------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>EUT Name</b>            | : | TABLET                                                                                                                                                 |
| <b>Models No.</b>          | : | TLS-V4                                                                                                                                                 |
| <b>Model Difference</b>    | : | N/A                                                                                                                                                    |
| <b>Product Description</b> | : | Bluetooth Operation Frequency: 2402MHz~2480MHz<br>802.11b/g Operation Frequency: 2412MHz~2462MHz                                                       |
|                            | : | Number of Channel: 802.11b/g/n:11 Channels<br>Bluetooth Operation Frequency: 2402MHz~2480MHz                                                           |
|                            | : | Out Power<br>802.11b: 12.66 dBm<br>802.11g: 12.12 dBm<br>802.11n (20M): 12.07 dBm<br>Bluetooth 1 Mbps: -0.83 dBm<br>Bluetooth 3 Mbps: -1.45 dBm        |
|                            | : | Antenna Gain: 0 dBi Embedded Antenna                                                                                                                   |
|                            | : | Modulation Type:<br>802.11b: CCK, QPSK, BPSK<br>802.11g: OFDM<br>802.11n (20M): OFDM<br>GFSK 1Mbps(1 Mbps)<br>$\pi/4$ -DQPSK(2 Mbps)<br>8-DPSK(3 Mbps) |
|                            | : | Bit Rate of Transmitter:<br>802.11b:11/5.5/2/1 Mbps<br>802.11g:54/48/36/24/18/12/9/6 Mbps<br>802.11n:up to 150Mbps<br>Bluetooth: 1Mbps~3Mbps           |

|                               |   |                                                                                                                              |
|-------------------------------|---|------------------------------------------------------------------------------------------------------------------------------|
| <b>Power Supply</b>           | : | DC Voltage supplied from AC/DC adapter<br>DC Voltage supplied by Li-Polymer battery.                                         |
| <b>Power Rating</b>           | : | AC Adapter:<br>Input: 100~240V 50/60Hz Output: 5V 2A<br>DC 5.0V by USB cable from PC.<br>Li-Polymer battery :DC 3.7V 8000mAh |
| <b>Connecting I/O Port(S)</b> | : | Please refer to the User's Manual                                                                                            |

## MPE Calculations

1. No Evaluation required if power is below  
 $(60/f(\text{GHz}) \text{ mW})$  where f is the transmit frequency of the EUT.

2. Calculation:

$$\text{EIRP} = \text{P} + \text{G}$$

Where P=Conducted Output Power (dBm)

G=Power Gain of the Antenna (dBi)

So

| 802.11b/g/n   |                       |                    |            |           |
|---------------|-----------------------|--------------------|------------|-----------|
| Test Mode     | Conducted Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (mW) |
| 802.11b       | 12.66                 | 0                  | 12.66      | 18.450    |
| 802.11g       | 12.12                 | 0                  | 12.12      | 16.293    |
| 802.11n(HT20) | 12.07                 | 0                  | 12.07      | 16.106    |
| Bluetooth     |                       |                    |            |           |
| Test Mode     | Conducted Power (dBm) | Antenna Gain (dBi) | EIRP (dBm) | EIRP (mW) |
| GFSK(1Mbps)   | -0.83                 | 0                  | -0.83      | 0.826     |
| 8DPSK(3Mbps)  | -1.45                 | 0                  | -1.45      | 0.716     |

3. Conclusion:

No SAR Evaluation required since Transmitter EIRP is bellow FCC threshold.

### Note

For a more detailed features description, please refer to the RF Test Report.