



Certification Exhibit

FCC ID: ASU- ZP8J4MN1CRV

FCC Rule Part: 47 CFR Part 2.1091

Project Number: 721007920

Manufacturer: Savant Systems Inc
Model Name / Number: PB-P2000-00

RF Exposure

General Information:

Applicant: Savant Systems Inc
 Device Category: Mobile
 Environment: General Population/Uncontrolled Exposure

Technical Information (BLE) – “Radio 1”:

Frequency Range (MHz): 2402 - 2480
 Antenna Type: Flexible Printed Circuit (FPC)
 Antenna Gains: 2 dBi
 Maximum Transmitter Conducted Power: 2.1dBm, 1.62mW
 Maximum System EIRP: 4.1dBm, 2.57mW
 Exposure Conditions: 20 centimeters

Technical Information (BLE) – “Radio 2”:

Frequency Range (MHz): 2402 - 2480
 Antenna Type: Flexible Printed Circuit (FPC)
 Antenna Gains: 2 dBi
 Maximum Transmitter Conducted Power: 2.4dBm, 1.74mW
 Maximum System EIRP: 4.4dBm, 2.75mW
 Exposure Conditions: 20 centimeters

RF Exposure Calculation**Table 1: Device Characteristics (BLE)**

Technical Parameters	Radio 1	Radio 2
Frequency (GHz)	2.402	2.402
Frequency (MHz)	2402	2402
Separation Distance (cm)	20.00	20.0
Separation Distance (m)	0.2000	0.200
Antenna Gain (dBi)	2.00	2.00
ERP Easily Determined	YES	YES
1-g body or 10-g extremity	Body	Body
Conducted Power (dBm)	2.10	2.40
Conducted Power (mW)	1.62	1.74
Duty Factor (Source-Based) %	100.0	100.0
Maximum (Source-Based) Time-Averaged Conducted Power (mW)	1.62	1.74
Maximum (Source-Based) Time-Averaged ERP (mW)	1.57	1.68
Maximum (Source-Based) Time-Averaged EIRP (mW)	2.57	2.75
Maximum Output (mW)	1.62	1.74

Table 2: 47 CFR 1.1307(b)(3)(i)(c) MPE-Based Exemption ERP (W) – (BLE)

Technical Parameters	Radio 1	Radio 2
$\lambda / 2\pi$ (m)	0.020	0.020
$R \geq \lambda / 2\pi$	YES	YES
Maximum (Source-Based) Time-Averaged ERP (W)	0.0016	0.0017
ERP Threshold (W)	0.7680	0.7680
Exemption	YES	YES
Contribution Ratio (ERP / ERP _{th})	0.002	0.002