OMRON Battery-operated Blood Pressure Monitor + EKG Information for Accompanying Documents in the Scope of IEC60601-1-2:2014

Important information regarding Electromagnetic Compatibility (EMC)

This blood pressure monitor + EKG manufactured by OMRON HEALTHCARE Co., Ltd. conforms to IEC60601-1-2:2014 Electromagnetic Compatibility (EMC) standard. Nevertheless, special precautions need to be observed:

- The use of accessories and cables other than those specified or provided by OMRON could result in increased electromagnetic emission or decreased electromagnetic immunity of the monitor and result in improper operation.
- During a blood pressure measurement and/or an EKG recording, the use of the monitor adjacent to or stacked with another
 device, other than the smartphone to be used with the monitor, should be avoided because it could result in improper
 operation. In case such use is necessary, the monitor and the other device should be observed to verify that they are
 operating normally.
- During a blood pressure measurement and/or an EKG recording, portable RF communications device (including peripherals such as antenna cables and external antennas) other than the smartphone to be used with the monitor should be used no closer than 12 inches (30 cm) to any part of the monitor, including cables specified by OMRON. Otherwise, degradation of the performance of the monitor could result.
- Refer to further guidance below regarding the EMC environment in which the monitor should be used.

Table 1 - EMISSION Limits and Compliance

| Phenomenon | EMISSION Limits | Compliance | | | | |
|--|-----------------|-----------------|--|--|--|--|
| Conducted and radiated RF EMISSIONS | CISPR 11 | Group1, Class B | | | | |
| NOTE: EMISSION tests for Harmonic distortion, Voltage fluctuations and flicker are not applicable. | | | | | | |

Table 2 - IMMUNITY TEST LEVELS

| Phenomenon | Basic EMC standard | IMMUNITY TEST LEVELS | |
|--|--------------------|------------------------------|--|
| Electrostatic discharge | IEC 61000-4-2 | ±8 kV contact | |
| | | ±2 kV,±4 kV,±8 kV,±15 kV air | |
| Radiated RF electromagnetic fields | IEC 61000-4-3 | 10 V/m | |
| | | 80 MHz to 2.7 GHz | |
| | | 80 % AM at 1 kHz | |
| Proximity fields from RF wireless communications equipment | IEC 61000-4-3 | See table 3 | |
| Rated power frequency magnetic fields | IEC 61000-4-8 | 30 A/m | |
| | | 50 Hz or 60 Hz | |

NOTE: IMMUNITY tests for Electrical fast transients / bursts, Surges Line-to-line, Surges Line-to-ground, Conducted disturbances induced by RF fields, Voltage dips and Voltage interruptions are not applicable.

Table 3 - Test specifications for ENCLOSURE PORT IMMUNITY to RF wireless communications device

| Test frequency (MHz) | Band (MHz) | Service | Modulation | Maximum power (W) | Distance (m) | IMMUNITY TEST LEVEL (V/m) |
|----------------------|--------------|---|---------------------------------------|-------------------|--------------|------------------------------|
| 385 | 380 to 390 | TETRA 400 | Pulse modulation 18 Hz | 1.8 | 0.3 | 27 |
| 450 | 430 to 470 | GMRS 460, FRS 460 | FM ± 5 kHz deviation 1 kHz sine | 2 | 0.3 | 28 |
| 710 | 704 to 787 | LTE Band 13, 17 | Pulse modulation 217 Hz | 0.2 | 0.3 | 9 |
| 745 | | | | | | |
| 780 | | | | | | |
| 810 | 800 to 960 | GSM 800/900, TETRA 800. | Pulse modulation 18 Hz | 2 | 0.3 | 28 |
| 870 |] | iDEN 820, | | | | |
| 930 | | CDMA 850, LTE Band 5 | | | | |
| 1720 | 1700 to 1990 | GSM 1800; CDMA 1900; | Pulse modulation 217 Hz | 2 | 0.3 | 28 |
| 1845 | | GSM 1900; | | | | |
| 1970 | | DECT; LTE Band 1, 3, 4, 25; UMTS | | | | |
| 2450 | 2400 to 2570 | Bluetooth, WLAN, 802.11 b/g/n , RFID 2450, LTE Band 7 | Pulse modulation 217 Hz | 2 | 0.3 | 28 |
| 5240 | 5100 to 5800 | WLAN 802.11 | Pulse modulation 217 Hz | 0.2 | 0.3 | 9 |
| 5500 | | a/n | | | | |
| 5785 | | | | | | |