Table 10: Impact of Electromagnetic (EM) Disturbances

Function/ performance	Normal function/ performance	Lost/degraded performance due to EM disturbance
Turning on	“On” LED indication illuminates green + short audible tone	“On” LED indication does not illuminate green and tone is not heard
Capsule successful activation	“Ready” LED indication illuminates green + short “beep” audible tone	“Ready” LED indication does not illuminate green and tone is not heard
Capsule unsuccessful activation	“X” LED indication illuminates and flashes red + 5 short “beep” audible tones	“X” LED indication does not illuminate and 5 short audible tones are not heard
Capsule removal at the end of successful activation	“Ready” LED indication turns off	“Ready” or “X” LED indication stays illuminated
Capsule removal at the end of unsuccessful activation	“X” LED indication turns off	“X” LED indication stays illuminated

Table 11: Wireless Communication Specifications

Intended Range	10mm
RF Frequency	42.5KHz
Maximum Transfer Power	0.6W

Table 12: Test Specifications for Enclosure Port Immunity to RF Wireless Communications

Test frequency (MHz)	Band a) (MHz)	Service a)	Modulation b)	Maximum power (W)	Distance (m)	Immunity Test Level (V/m)	Compliance level (V/m)
385	380–390	TETRA 400	Pulse modulation[b)] 18 Hz	1.8	0.3	27	27
450	430–470	GMRS 460, FRS 460	FM[c)] ± 5 kHz deviation 1 kHz sine	2	0.3	28	28
710 745 780	704–787	LTE Band 13, 17	Pulse modulation[b)] 217 Hz	0.2	0.3	9	9
810 870 930	800–960	GSM 800/900, TETRA 800, iDEN 820, CDMA 850, LTE Band 5	Pulse modulation[b)] 18 Hz	2	0.3	28	28
1720 1845 1970	1,700 – 1,990	GSM 1800; CDMA 1900; GSM 1900; DECT; LTE Band 1, 3, 4, 25; UMTS	Pulse modulation[b)] 18 Hz	2	0.3	28	28
2450	2,400 – 2,570	Bluetooth, WLAN, 802.11 b/g/n, RFID 2450, LTE Band 7	Pulse modulation[b)] 217 Hz	2	0.3	28	28
5240 5500 5785	5,100 – 5,800	WLAN 802.11 a/n	Pulse modulation[b)] 217 Hz	0.2	0.3	9	9
NOTE: If necessary to achieve the IMMUNITY TEST LEVEL, the distance between the transmitting antenna and the ME EQUIPMENT or ME SYSTEM may be reduced to 1 m. The 1 m test distance is permitted by IEC 61000-4-3							
a) For some services, only the uplink frequencies are included. b) The carrier shall be modulated using a 50 % duty cycle square wave signal. c) As an alternative to FM modulation, 50 % pulse modulation at 18 Hz may be used because while it does not represent actual modulation, it would be worst case.							