

RF Exposure Compliance Report

Model : 51382RP.
FCC ID : 2AEBL-51382RP
Product Type : Round pushbutton module,with IC card reader
Applicant : ABB Genway Xiamen Electrical Equipment Co.,Ltd
Production Facility : ABB Genway Xiamen Electrical Equipment Co.,Ltd
Address : NO.7 Fangshan South Road,Torch High Technology Development Zone (Xiang An) Industrial Zone,Xiamen S.E.Z,Fujian Province,P.R.China

RF Exposure Compliance Requirement

According to ANSI C63.10:2013 clause 12.7.3 d):
 $EIRP = (E \times d)^2 / 30$

EIRP is power in W
E is the electric field strength in V/m
d is the measurement distance in meters (m)

when d is 3m, $EIRP[dBm] = E[dB\mu V/m] - 95.2$
maximum field strength of 13.56MHz is 58.1dB μ V/m at 3m,
 $EIRP[dBm] = 58.1[dB\mu V/m] - 95.2 = -37.1dBm$

$EIRP = 0.0002mW$

SAR exclusion justification in accordance to KDB 447498 D01 Section 4.3.1:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$
 $[(0.0002, mW) / (5, mm)] \cdot [\sqrt{0.01356(\text{GHz})}] \leq 3.0$
 $0.000005 \leq 3.0$

Therefore the device meets the FCC SAR exemption requirements

--TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch--

Reviewed by:



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Date: 2019-02-15

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Date: 2019-02-15