

RF Exposure Compliance Report

Model : H85138.DP

FCC ID : 2AEBL-H85138

Product Type : Touch 5", Desfire/IC module

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 52.87dB μ V/m at 3m,
 $EIRP[dBm] = 52.87[dB\mu V/m] - 95.2 = -42.33dBm$

$EIRP = 0.000058mW$
SAR exclusion justification in accordance to KDB 447498 D01 Section 4.3.1:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$
 $[(0.00006, mW) / (5, mm)] \cdot [\sqrt{0.01356(\text{GHz})}] \leq 3.0$
 $0.000001 \leq 3.0$

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: 2019-02-12

Prepared by:



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Date: 2019-02-12