



# RF Exposure Compliance Report

Model : H8131.P.-., H8136.P.-.

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FCC ID : 2AEBL-H8131

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Product Type : Mini video outdoor station

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Applicant : ABB Xiamen Smart Technology Co.,Ltd.

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Production Facility : ABB Xiamen Smart Technology Co.,Ltd.

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Address : NO.7 Fangshan South Road,Torch High Technology Development Zone (Xiang An) Industrial Zone,Xiamen S.E.Z,Fujian Province,P.R.China

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## RF Exposure Compliance Requirement

According to ANSI C63.10:2013 clause 12.7.3 d):

$$\text{EIRP} = (E \times d)^2 / 30$$

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,  $\text{EIRP}[\text{dB}\mu\text{V}/\text{m}] = \text{E}[\text{dB}\mu\text{V}/\text{m}] - 95.2$

maximum field strength of 125KHz is 39.93dB $\mu$ V/m at 3m,  
 $\text{EIRP}[\text{dBm}] = 39.93[\text{dB}\mu\text{V}/\text{m}] - 95.2 = -55.27\text{dBm}$   
 $\text{EIRP} = 2.97 \times 10^{-6}\text{mW}$

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

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

$$[(2.97 \times 10^{-6}, \text{mW}) / (5, \text{mm})] \cdot [\sqrt{0.000125 (\text{GHz})}] \leq 3.0$$

$$0.000000007 \leq 3.0$$

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: 2019-12-05

Prepared by:

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Date: 2019-12-05