

To: Sid Sanders
TEI@TIMCOENGR.COM
From: Corey Cahill
Corey.Cahill@fcc.gov
FCC Equipment Authorization Branch
Re: FCC ID: V7TAC18

Applicant: SHENZHEN TENDA TECHNOLOGY CO., LTD.
Correspondence Number: 367735
731 Confirmation Number: TC310253
Date of Original E-Mail: 11/29/2016

Subject: FCC Equipment Authorization System

FCCID V7TAC18 is incorrectly categorized in the EMC test report as 'completely uncorrelated.' Based on the Operational Description document it is a correlated device with equal antenna gains. Therefore KDB Publication 662911 should have been used to calculate a directional gain of 7.77 dBi. Consequently, when transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi according to 47 C.F.R. §15.407(a)(1)(i).

Please explain the apparent miscalculation of the maximum power spectral density and if appropriate submit amended test report.

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 30 days of the original e-mail date may result in application dismissal pursuant to Section 2.917(c).

DO NOT Reply to this email by using the Reply button. In order for your response to be processed expeditiously, you must upload your response via the Internet at www.fcc.gov, E-Filing, OET TCB/Accreditor Electronic Filing, TCB Login, Submit Correspondence. Also, please note that partial responses increase processing time and should not be submitted.

Any questions about the content of this correspondence should be directed to the e-mail address listed below the name of the sender.

To: Shen Yue
cert@tenda.cn
From: Corey Cahill
Corey.Cahill@fcc.gov
FCC Equipment Authorization Branch
Re: FCC ID: V7TAC18

Applicant: SHENZHEN TENDA TECHNOLOGY CO., LTD.
Correspondence Number: 367736
731 Confirmation Number: TC310253
Date of Original E-Mail: 11/29/2016

Subject: FCC Equipment Authorization System

FCCID V7TAC18 is incorrectly categorized in the EMC test report as 'completely uncorrelated.' Based on the Operational Description document it is a correlated device with equal antenna gains. Therefore KDB Publication 662911 should have been used to calculate a directional gain of 7.77 dBi. Consequently, when transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi according to 47 C.F.R. §15.407(a)(1)(i).

Please explain the apparent miscalculation of the maximum power spectral density and if appropriate submit amended test report.

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 30 days of the original e-mail date may result in application dismissal pursuant to Section 2.917(c).

DO NOT Reply to this email by using the Reply button. In order for your response to be processed expeditiously, you must upload your response via the Internet at www.fcc.gov, E-Filing, OET TCB/Accreditor Electronic Filing, TCB Login, Submit Correspondence. Also, please note that partial responses increase processing time and should not be submitted.

Any questions about the content of this correspondence should be directed to the e-mail address listed below the name of the sender.

To: Corey Cahill
Corey.Cahill@fcc.gov
From: Corey Cahill
Corey.Cahill@fcc.gov
FCC Equipment Authorization Branch
Re: FCC ID: V7TAC18

Applicant: SHENZHEN TENDA TECHNOLOGY CO., LTD.
Correspondence Number: 367737
731 Confirmation Number: TC310253
Date of Original E-Mail: 11/29/2016

Subject: FCC Equipment Authorization System

FCCID V7TAC18 is incorrectly categorized in the EMC test report as 'completely uncorrelated.' Based on the Operational Description document it is a correlated device with equal antenna gains. Therefore KDB Publication 662911 should have been used to calculate a directional gain of 7.77 dBi. Consequently, when transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi according to 47 C.F.R. §15.407(a)(1)(i).

Please explain the apparent miscalculation of the maximum power spectral density and if appropriate submit amended test report.

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 30 days of the original e-mail date may result in application dismissal pursuant to Section 2.917(c).

DO NOT Reply to this email by using the Reply button. In order for your response to be processed expeditiously, you must upload your response via the Internet at www.fcc.gov, E-Filing, OET TCB/Accreditor Electronic Filing, TCB Login, Submit Correspondence. Also, please note that partial responses increase processing time and should not be submitted.

Any questions about the content of this correspondence should be directed to the e-mail address listed below the name of the sender.