

From: aven_zhou
To: Mike Kuo
Cc: mKU0; hZhao; ron
Subject: Re: RE: ?? : SHENZHEN ESKY TRADE CO.,LTD, FCC ID: R6RESKYSZ01,
Assessment NO.: AN04T4060,Notice#1

Dear Mike,

Below are response of all questions.would you please do us a favor to check them again,TKS!

Response to #1:

The tune-up procedure has been provided in attachment.

Response to#2

The Emission type: F1D has been added into Section 1.1 of the revised report
1). The equipment employed the way of Frequency Modulation to achieve signal transmitting, so the first symbol is F.

2). The equipment modulates carrier with digital control signal on a single channel (72.85MHz), so the second symbol is 1.

3). The equipment transmit digital signal to achieve its telecommand, so the third symbol is D

When DC 10.3 V applied to and DC current is 87 mA into final stage for normal operation will over power range.

Response to#3

Necessary bandwidth=1.82 KHz , Emission designator=1K82F1D

Calculation: $2M+2DK$, $M=550\text{Hz}$, $D=0.329\text{KHz}$, $K=1.1$

Response to#6

The new USER MANUAL has provided.

Response to#9

The calculation of the limit and notes for modification has been added to the Section 9.5 Measurement Result.

Response to#12.

The instrument setting has been added to the Section 11.2 Measurement Procedure as notes.

>Hi Aven :

>

>Reply to Question #1 is not acceptable. Tune up procedure is required for

>Part 95 device. Tune up procedure is the procedure that used by Shenzhen

>ESKY to ensure the output power and frequency have been tuned to the

>certified output power and frequency range. Attached please find an example

>of tune up procedure. You MUST provide tune up procedure.

>

>Reply to Question #2 is not acceptable. Why this device is classified as

>F3D , which is a Single channel containing analogue information. Please

>explain. Section 2.1033 (c) (8) is asking for the dc voltage applied to and

>dc currents into the final stage. Your reply does not address this

>question.

>

>Reply to Question #3: is not acceptable. The authorized bandwidth for this
>device is limited to 8kHz but based upon your calculation, the necessary
>bandwidth is 15.3kHz which does not comply with standards.
>
>Reply to Question #4: O.K.
>
>Reply to Question #5: O.K.
>
>Reply to Question #6: is not acceptable. User manual does not contain any
>user instruction on how to use this device. Some of regulatory compliance
>information is not applicable to Part 95C device as I indicated in my
>original questions, please make necessary correction.
>
>Reply to Question #7 : O.K.
>
>Reply to Question #8: O.K.
>
>Reply to Question #9 : The explanation is not acceptable. The limits can
>not be changed based upon the external attenuators. If you use any external
>attenuator, you need to adjust the reading. You should never change the
>limits. Please make necessary change to the test report.
>
>Reply to Question #10:O.K.
>
>Reply to Question #11:O.K.
>
>Reply to Question #12: Please include the instrument setting in the test
>report and submit revised test report.
>
>Reply to Question #13:O.K.
>
>Reply to Question #14: O.K.
>
>
>Mike Kuo
>
>
>
>To: MKUO
>Cc: MKUO; HZhao; Ron
>Subject: Re: ?? : SHENZHEN ESKY TRADE CO.,LTD, FCC ID: R6RESKYSZ01,
>Assessment NO.: AN04T4060,Notice#1
>
>
>Dear Mike,
>
>Below are response of all questions.would you please do us a favor to check
>them again, TKS!
>
>
>Response to #1:
>Output power Modification: Fixed can't be change.
>
>Response to #2:
>Emission type: F3D
>The output power can't be change.
>

>Response to #3:
>Necessary bandwidth=15.31KHz , Emission designator=15k3F3D
>Calculation: $2M+2DK$, $M=7.65\text{KHz}$, $D=0.005\text{KHz}$, $K=1$.
>
>Response to #4:
>The FCC ID label has been corrected according to part 95 devices
>requirements.
>See revised FCC ID label.
>
>Response to #5:
>R6R-ESKYSZ01 the string with dash in it is the right FCC ID number in fact.
>Because we couldn't continue the submitting procedure while we filling the
>right
>ID number in the application form.
>
>Response to #6:
>The User Manual has been modified to satisfy the part 95 requirements.
>
>Response to #7:
>The test procedure per TIA/EIA 603 has been employed in the revised the
>report. New test has been conducted and the result has been recorded
>correspondingly.
>
>Response to #8:
>A new test has been conducted per the requirement stated in section 2.1055
>of FCC rules, and the test results have been showed in the revised report.
>
>Response to #9:
>Calculation: $\text{Limit (dBm)} = \text{EL} - 56 - 10\log_{10}(\text{TP})$
>Notes: EL is the emission level of the Output Power expressed in dBm,, in
>this application, the TG is 19.16 dBm.
>TP is the Output Power express in Watts, in the application the TP is
>0.08241 W
> $\text{Limit (dBm)} = 19.16 - 56 - 10\log_{10}(0.08241) = -26$
>
>Because two 10db attenuators were used between the signal generator and
>substitution antenna, the "C6 dBm (-26 dBm+20db) Limit was used to
>compensate the 20 db attenuation at Emission level.
>
>Response to #10:
>It's the result of engineer's carelessness while doing the report. The
>formal test procedure
>used per TIA/EIA 603 has been detailedly described in the revised report.
>
>Response to #11:
>The section 95.637 modulation standards are not applicable to this R/C
>device. It's the
>mistake of the test engineer to apply this item to the EUT.
>
>Response to #12:
>The instruments setting used during section 11 are as follow:
>HP 8546A: $\text{RW}=120\text{KHz}$, $\text{VBW}=300\text{KHz}$, C.F.=fundamental frequency ,
>SPAN 5M, A trace MAX HOLD, B trace CLEAR WRITE
>ADVANTEST: $\text{RW}=100\text{KHz}$, $\text{VBW}=100\text{KHz}$, C.F.=Maximum peak Frequency, SPAN 0,TG
>ON
>
>Response to #13:

>The required test procedure has been added into the revised report as
>Section 9.2.
>
>Response to #14:
>The emission mask has been added into the revised report as Section 9.6.
>

>>

>>-----Original Message-----

>>From: Compliance Certification Services [mailto:MKuo@ccsemc.com]

>>Sent: Tuesday, July 20, 2004 4:53 PM

>>To: mkuo@ccsemc.com

>>Subject: SHENZHEN ESKY TRADE CO.,LTD, FCC ID: R6RESKYSZ01, Assessment NO.:

>>AN04T4060, Notice#1

>>

>>

>>Question #1: Please provide tune up procedure as required per section
>2.1033

>>(c) (9).

>>

>>Question #2: Please provide technical information to address the
>>requirements as stated in section 2.1033 (c) (4) and (8).

>>

>>Question #3: Please provide emission designator and justify the necessary
>>bandwidth with Carson Rule (2M+2DK) as stated in section 2.202 of FCC
>>rules.

>>

>>Question #4: The proposed FCC ID label format included FCC Part 15
>>requirements which is not applicable for this Part 95 device. Please make
>>necessary correction.

>>

>>Question #5: The proposed FCC ID number listed on the TCB application form
>(

>>R6RESKYSZ01) does not agree with FCC ID label format and the ID listed in
>>the test report (R6R-ESKYSZ01). Please confirm which FCC ID number is
>>correct for this application.

>>

>>Question #6: Please provide User Manual. The information contains in the
>>user manual file only included regulatory compliance information. In
>>addition, the regulatory compliance information in this file are not
>>applicable to Part 95 device.

>>

>>Question #7: The test procedure to be used for Part 95 device shall be
>>TIA/EIA 603. However, ANSI C63.4 and EN55022 were referenced in the test
>>report. Please explain and provide detail information to justify the test
>>procedure per TIA/EIA 603 requirements.

>>

>>Question #8: Section 6 Frequency tolerance tests: Per the requirement
>stated

>>in section 2.1055 of FCC rules, during the frequency stability tests, the
>>temperature range and at intervals of not more than 10 degree centigrade.

>>The temperature intervals used does not comply with this requirements. In
>>addition, please provide voltage variation at battery end point per section
>>2.1055 (d)(2) requirements.

>>

>>Question #9 : Please explain / show the calculation used for the limits of

>>-6dB in section 9.5 of test report.
>>
>>Question #10 :Section 9.5 of test data was using section 2 of test
>>procedure. However, such test procedure can not be found. Please provide
>>detail test procedure used to obtain section 9 of test result.
>>
>>Question #11:Please explain why section 95.637 modulation standards are
>>applicable to this R/C device.
>>
>>Question #12: Please provide instrument setting used during section 11 of
>>test report.
>>
>>Question #13: Please provide radiated spurious emission tests measured per
>>TIA/EIA 603 test procedures.
>>
>>Question #14: Please provide emission mask per section 95.635(b)
>>requirements.
>>
>>Best Regards
>>
>>Mike Kuo
>>
>>
>>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 and forfeiture of the filing fee. 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.
>
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