

Marianne Bosley

From: alice_wong [alice_wong@hkstc.com]
Sent: Thursday, January 09, 2003 10:17 PM
To: mbosley@metlabs.com
Cc: EED - Choy, Kitty; tcbinfo@metlabs.com
Subject: Request for Technical Info on FCC ID:QQ7EGUARDEAS02 and QQ7EGUARDEAS01

> Answer:
> 1.EUT is Digital sweep. It would send different code to receiver.
>
> 2.For the radiated Emission frequency range from 1.705MHz to 1000MHz(
S15.223
> and S15.209)
>
> 3.The sample was placed 0.8m above the ground plane on the OATS *.
> Measurements in both horizontal and vertical polarities were performed.
> During the test, each emission was maximized by: having the EUT
continuously
> working, investigate all operating modes, rotated about all 3 axis (X, Y &
> Z) to obtain worst position, manipulating interconnecting cables, rotating
> turntable, varying antenna height from 1m to 4m in both horizontal and
> vertical polarizations. For the Loop antenna, Antenna height is 1m and it
> would be rotated per 45 degree . The emissions worst-case are shown in
Test
> Results .
>
> 4.We would attach Loop Antenna correction factor to you. Model :6502,
> S/N:2424
>
> 5.EUT center frequency is 8.58MHz upper band edge is 9.0775MHz and lower
> band edge is 8.0825MHz (QQ7EGUARDEAS01)
> EUT center frequency is 8.2MHz upper band edge is 8.725MHz and Lower
band
> edge is 7.67MHz (QQ7EGUARDEAS02)
>
> 6. Renew test report for duty cycle.
>
> ----- Original Message -----
> From: "alice_wong" <alice_wong@hkstc.com>
> To: "M K Law" <mankit_law@hkstc.com>
> Cc: "EED - Choy, Kitty" <kitty_choy@hkstc.com>
> Sent: Friday, January 03, 2003 9:01 AM
> Subject: Fw: Request for Technical Info on FCC ID:QQ7EGUARDEAS02
>
>
>>
>> ----- Original Message -----
>> From: <MBosley@metlabs.com>
>> To: <alice_wong@hkstc.com>
>> Sent: Friday, January 03, 2003 12:35 AM
>> Subject: Request for Technical Info on FCC ID:QQ7EGUARDEAS02
>>
>>
>>> Hi Alice,
>>>
>>> Same technical questions for this one as for the other one:
>>>
>>> RT questions:
>>>

> > > Was the frequency sweep stopped while radiated measurements were made?
> > > What is the frequency range of the sweep?
> > > Does the EUT employ an analog sweep (continuous, sliding over all
> > > frequencies in the band) or a digital sweep (discrete frequencies
hopped
> > to
> > > very rapidly)? If it is a digital sweep (as most modern systems are),
> > then
> > > none of the discrete frequencies on which it lands may be in a
> restricted
> > > band, as defined in Section 15.205. What discrete frequencies are
used?
> > > Please address.
> > > Was a loop antenna used for radiated measurements? If not, please
> > remeasure
> > > with a loop antenna- a rod antenna may not be used. If so, was it
both
> > > rotated on its vertical axis AND placed in the horizontal plane as
well,
> > per
> > > ANSI C63.4 Section 8.2.1?
> > > The "correction factors" listed in the radiated emissions data table
> seem
> > > quite low for the antenna, compared to those used for many loop
> antennas.
> > > Please address.
> > > When calculating the duty cycle correction factor, please note the
> > > following: a duty cycle correction factor is NOT applied to an analog
> > > system For digital systems, the averaging factor described in Section
> > 15.35
> > > may be applied, based upon how much time the signal actually spends on
> > each
> > > discrete channel during a 100 ms interval. If the EUT goes through
its
> > > hopset and returns to the same frequency during the 100 ms interval,
> then
> > > the total occupancy time on that frequency during the 100 ms interval
> > should
> > > be used in calculating the duty cycle correction. Note that if the
> > hopping
> > > frequency channels are so close that more than one of them falls
within
> > the
> > > 9 kHz bandwidth required for measurements, then the duty cycle
> correction
> > > must include the total time spent on all of the channels within that 9
> kHz
> > > band during the 100 ms measurement interval. Please address.
> > >
> > > Marianne
> > >
> > >
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