

**Marianne Bosley**

**From:** Greg Czumak  
**Sent:** Tuesday, May 21, 2002 4:47 PM  
**To:** Marianne Bosley; Chris Harvey  
**Subject:** RE: HKSTC applications - First priority

Technical review complete, RT questions below. Checklist attached.

RT Questions:

1. Section 15.35(b) requires that peak emission levels comply with a limit 20 dB above the average limit. Peak emission field strength levels for the spurious radiated emissions above 1 GHz were not provided. Please provide them.
2. Was the EUT tested while oriented in 3 orthogonal planes? This statement should always be included.
3. Section 15.31(m) requires that at least 2 tuned frequencies (channels) of the EUT be tested, based on its tuning range. The radiated data table for the fundamental shows 2 channels (hi and low), but indicates that the hi channel measurements were peak, while the low channel measurements were average. Is this a typo? If not, please provide QP (or peak- see question #4 below) data for the fundamental emission tuned to the low channel.
4. Section 15.249 requires that (fundamental) emissions below 1 GHz, such as the EUT, be measured with a QP detector. The EUT's fundamental was measured with peak and average. Because the measured peak levels comply with the QP limit, a remeasurement, in this case, is not necessary (except as noted in question #3 above). In the future, please measure fundamental emissions from 15.249 devices that tune to the 900 MHz band with a QP detector, as we discussed at the training session on May 10.
5. Per Hoosam's email question to me, occupied bandwidth measurements are NOT required for 15.249 devices- only plots that demonstrate bandedge compliance (as were preprovided).
6. RF output power measurements are also not required for 15.249 devices. Section VI of the test report states that rf output power measurements were made, but then appears to list the measured field strengths. Field strength is not output power. The report should be corrected.
7. Section IV of the test report gives the settings used to measure average field strengths above 1 Ghz. Since peak measurements are also required (see #1 above), this Section should be modified to list the settings used for peak field strength measurements also.
8. A manual was not provided. What is the intended function of the EUT?

-----Original Message-----

From: Marianne Bosley  
To: Greg Czumak  
Sent: 5/20/2002 6:16 PM  
Subject: HKSTC applications - First priority

Importance: High

<<Block Diagrams.pdf>> <<MVC-001F.JPG>> <<Internal Photos.pdf>>  
<<MVC-002F.JPG>> <<MVC-003F.JPG>> <<MVC-004F.JPG>> <<MVC-005F.JPG>>  
<<MVC-011F.JPG>> <<Schematics.pdf>> <<825setup.JPG>>  
<<EMC11825-FCC249 Draft2.PDF>>

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