

Jennifer Sanchez

From: Jennifer Sanchez
Sent: Monday, December 21, 2009 7:54 PM
To: 'Dusmantha Tennakoon'
Cc: Jenn Warnell; Shawn McMillen; Jennifer Sanchez
Subject: RE: Technical Review Request: 81790B Ubiquiti Networks - FCC/IC TCB (M5G Model)
Importance: High
Attachments: 81790 Ubiquiti Networks - IC Package_M5G_Rev1.doc; EMCS81790B-FCC247_Rev1.pdf; M5G user guide_Rev1.pdf

[HI Dusmantha,](#)

[Please see response below and revised report, IC package and manual attached.](#)

FCC:

1. The user manual should include a statement that installation should only be for point-to-point.

[Please see revised manual](#)

2. There appears to be a typo in the radiated emissions section of the test report. The raw amplitude is stated as being measured at 3m but there is also a distance correction factor. Please correct this typo.

[Measurements were taken at 1m meter. The typo has been corrected, please see revised report.](#)

IC:

1. The SA settings for the 6dB and 99% Occupied bandwidth are incorrect. The 6 dB bandwidth needs to be measured with a RBW that is close to 1% of the emissions bandwidth. The 99% bandwidth needs to be measured with a RBW that is close to 1% of the selected span without being below 1%.

[Corrected, please see revised report.](#)

2. Please clarify how the receiver spurs measurements were performed (i.e. conducted or radiated)? It appears to have been performed radiated. Were the antenna correction factors and cable loss taken into consideration? The limits stated in the standard are in terms of field strength at 3m. However, the SA units are in terms of dBm. Please clarify how the determination was made that the emissions seen pass the field strength limits. There is also what appears to be a limit line on the plots. Please clarify what this line is.

[Corrected, please see revised report.](#)

3. The RF evaluation in Annex A of the Technical Brief Cover Sheet should state General Public Use. The standard used for evaluation is also incorrect. The RF value should also state 1 mW/cm².

[Corrected, please see revised annex A.](#)

4. Reference source not found error on page 15 of 84 of the test report.

[Corrected, please see revised report.](#)

5. Page 15 of 84 also states that the emissions met class B. However, the tabulated data seems to show class A limits. Please update the test report.

[Corrected, please see revised report.](#)