

## Chris Harvey

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**From:** Thomas Cokenias [TOM@TNCKENIAS.ORG]  
**Sent:** Friday, April 25, 2008 6:08 PM  
**To:** charvey-tcb@ccsemc.comcharvey-tcb@ccsemc.com  
**Cc:** Srinivas Bokka  
**Subject:** Re: Aperto Networks, FCC ID: PS6PM58-SS, Assessment NO.: AN08T7790, Notice#1

**Attachments:** Harmonics Spurious Emissions\_7MHz BW\_CPE\_Hor ant position.xls; CPE TCB Q&A Documents.zip; ATT00165.txt



Harmonics Spurious Emissions\_7...  
CPE TCB Q&A Documents.zip (5 M.  
ATT00165.txt (707 B)

Hi Chris,

Answers follow questions.

best regards

Tom

On Apr 2, 2008, at 9:20 AM, <charvey-tcb@ccsemc.com> <charvey- tcb@ccsemc.com> wrote:

> Dear Tom Cokenias,  
>  
> You are listed as the Technical Contact for the above referenced TCB  
> application. The following item(s) need(s) to be resolved before the  
> review can be continued:  
>  
> 1. Please submit the external Photos exhibit for this CPE unit.  
> Also, please update the Internal Photos as they appear to be  
> incomplete and contain parts of the base unit.

ANS 1 Correct internal and external photos are in the attached zip folder.

> 2. The schematic exhibit has a location for th4 RF Module/  
> Interface, but does not include the RF Circuits. Please submit the RF  
> circuit schematic.

ANS 2 RF schematic is in the attached zip file

> 3. The test report page 5 of 64 states that the antenna gain is  
> 18dBi, where page 23 of 64 states that the antenna is 16dBi. The  
> Users manual indicates that the antenna is 15dBi. Please clarify the  
> antenna details and provide the antenna specification exhibit.

ANS 3 Gain is 18 dBi. Test report has been corrected. The revised user manual in the attached zip file has antenna and power information for 5.8 GHz radio, see pdf bookmark named Specifications for ease of location.

> 4. The label exhibit contains label information for this device and  
> another device. Please submit an exhibit that addresses only the EUT  
> in this application.

ANS 4 The corrected label/location document is in the attached zip file

> 5. The Users Manuals for the CPE and the Base Station do not have  
> the RF Exposure guidance (installation separations required) or the  
> information required by FCC 15.21 and 15.105. Please update the Users  
> Manuals as needed.

ANS 5 See user manual General Cautions and Warning bookmark tab for location of this information

> 6. The Users Manual states that the RF Specifications for the  
> PacketMax 100/300 indicate channel bandwidths of 3.5, 5.0, 5.5 and 7.0  
> MHz. The test report documents channel (emission) bandwidths of 5 and  
> 7 MHz. Please address this discrepancy.

ANS 6 Updated test report with 3.5 GHz data is in the attached zip file  
> 7. The Users manual for the CPE indicates that the antenna can be  
> arranged in both Horizontal and Vertical Polarity. The test report  
> does not reflect any investigations or testing with this change in  
> polarity of the EUT antenna for the radiated emissions testing.

ANS 7 Testing showed that vertical was worst case. Test report data is for vertical  
polarity. Attached spreadsheet is for horizontal data, harmonic emissions are about 6dB  
lower