

**Yunus  
Faziloglu/USA/VERITAS**

11/27/2007 09:32 AM

To twhite@lsl.com

cc

bcc

Subject CS03079 GE MEdical FCC ID: OU52014748-002 TCB  
Questions

Hi Teresa,

Please address the following issues for this application ,

1. Please supply a copy of complete user's manual as required in 95.653 to address paragraphs (a) through (b)(3) of that section.
2. External and internal photos are needed.
3. Licensed devices require a parts list exhibit .
4. Does the device have any controls accessible to the user that may violate 95.645(a)? Please clarify.
5. In EMC report,
  - i. Please note, Pg 7 does not refer to body-SAR for RF evaluation which has been performed for this device.
  - ii. Limits on Pg 14 that are listed as 47dBuV/m must be 46dBuV/m instead.
  - iii. On Pg 28, it is not clear how measured and declared RF power levels were determined as 0.005186 and 0.005623Watts respectively.
  - iv. Frequency stability data is required as explained in 2.1055 for temperature variation (-30 to +50 degrees C) and for specified battery end-points. Exhibit 9 in report does not seem to address this.
6. For SAR report,
  - i. Are there any possible connections to the device other than the cable seen in SAR setup photos ?
  - ii. On Pg 14, there may be issues with the positions vs frequencies listed . It would make sense if "back" and "front" positions were each tested for low and high channel. Currently there are two "back" position entries with 1399.975MHz. It is possible one of them may actually be 1395.025MHz assuming back position produces higher SAR readings than front. So rows 2 and 3 may have their frequencies switched . Please clarify with the SAR lab.

Best Regards,

Yunus Faziloglu  
Curtis-Straus LLC  
Bureau Veritas



"Teresa White "  
<[twhite@lsr.com](mailto:twhite@lsr.com)>  
11/30/2007 02:20 PM

To Yunus Faziloglu/USA/VERITAS@VERITAS  
cc  
bcc  
Subject RE: CS03079 GE Medical FCC ID: OU52014748-002 TCB Questions

Hi Yunus,

Responses to issues 1-4 and 6 are below. Response to issue 5 will be forthcoming.

Thanks.

Regards,  
*Teresa*

Teresa White  
Quality Manager

LS Research, LLC  
Direct: 262.421.4991  
Fax: 262.364.2649

*Notice: This message and any included attachments are intended only for the use of the addressee, and may contain information that is privileged or confidential. If you are not the intended recipient, you are hereby notified that any review, copying or distribution of this communication is strictly prohibited. If you have received this e-mail in error, please destroy the original message and any copies or printouts hereof. Any views or opinions presented are solely those of the author of this e-mail, and do not necessarily represent those of LS Research, LLC, unless otherwise specifically stated.*

---

**From:** [yfaziloglu@curtis-straus.com](mailto:yfaziloglu@curtis-straus.com) [mailto:[yfaziloglu@curtis-straus.com](mailto:yfaziloglu@curtis-straus.com)]  
**Sent:** Tuesday, November 27, 2007 8:32 AM  
**To:** Teresa White  
**Subject:** CS03079 GE Medical FCC ID: OU52014748-002 TCB Questions

Hi Teresa,

Please address the following issues for this application,

1. Please supply a copy of complete user's manual as required in 95.653 to address paragraphs (a) through (b)(3) of that section. [Response: Complete User's Manual attached.](#)
2. External and internal photos are needed. [Response: Photos sent on 11/28/07.](#)
3. Licensed devices require a parts list exhibit. [Response: Parts Exhibit attached.](#)
4. Does the device have any controls accessible to the user that may violate 95.645(a)? Please clarify. [Response: The controls accessible to the user will not violate 95.645\(a\). The controls accessible to the user provide the following functions \(this is discussed in detail in the User's Manual – Transmitter Setup section\): -Check ECG](#)

lead connections; -Pause Alarms; -Print ECG graph strips; -Generate a remote event.

5. In EMC report,

- i. Please note, Pg 7 does not refer to body-SAR for RF evaluation which has been performed for this device.
- ii. Limits on Pg 14 that are listed as 47dBuV/m must be 46dBuV/m instead.
- iii. On Pg 28, it is not clear how measured and declared RF power levels were determined as 0.005186 and 0.005623 Watts respectively.
- iv. Frequency stability data is required as explained in 2.1055 for temperature variation (-30 to +50 degrees C) and for specified battery end-points. Exhibit 9 in report does not seem to address this.

6. For SAR report,

- i. Are there any possible connections to the device other than the cable seen in SAR setup photos? **Response: The transmitter has two serial ports used for external SpO2 or NIBP units.**
- ii. On Pg 14, there may be issues with the positions vs frequencies listed. It would make sense if "back" and "front" positions were each tested for low and high channel. Currently there are two "back" position entries with 1399.975MHz. It is possible one of them may actually be 1395.025MHz assuming back position produces higher SAR readings than front. So rows 2 and 3 may have their frequencies switched. Please clarify with the SAR lab. **Response: This issue is due to a typographical mistake. This was brought up to the SAR test lab, and a revised report was issued to correct this mistake. A revised SAR results report is attached.**

Best Regards,

Yunus Faziloglu  
Curtis-Straus LLC  
Bureau Veritas

NOTICE: This message contains information which is confidential and the copyright of our company or a third party. If you are not the intended recipient of this message please delete it and destroy all copies. If you are the intended recipient of this message you should not disclose or distribute this message to third parties without the consent of our company. Our company does not represent, warrant and/or guarantee that the integrity of this message has been maintained nor that the communication is free of virus, interception or interference. The liability of our



company is limited by our General Conditions of Services. GE Carescape Telemetry T14 SAR Report (5).pdf



2001989-301A-d1 (3).pdf GE CARESCAPE T14 Telemetry Parts List Exhibit.pdf


**Yunus  
Faziloglu/USA/VERITAS**

12/03/2007 03:34 PM

To "Teresa White" <twhite@lsr.com>

cc

bcc

Subject CS03079 GE Medical FCC ID: OU52014748-002 TCB  
Questions 2 

Hi Teresa,

Please see additional comments below.

Best Regards,

Yunus Faziloglu  
Curtis-Straus LLC  
Bureau Veritas

"Teresa White" <twhite@lsr.com>



**"Teresa White "**  
**<twhite@lsr.com>**

11/30/2007 02:20 PM

To Yunus Faziloglu/USA/VERITAS@VERITAS

cc

Subject RE: CS03079 GE Medical FCC ID: OU52014748-002 TCB  
Questions

Hi Yunus,

Responses to issues 1-4 and 6 are below. Response to issue 5 will be forthcoming.

Thanks.

Regards,  
*Teresa*

Teresa White  
Quality Manager

LS Research, LLC  
Direct: 262.421.4991  
Fax: 262.364.2649

*Notice: This message and any included attachments are intended only for the use of the addressee, and may contain information that is privileged or confidential. If you are not the intended recipient, you are hereby notified that any review, copying or distribution of this communication is strictly prohibited. If you have received this e-mail in error, please destroy the original message and any copies or printouts hereof. Any views or opinions presented are solely those of the author of this e-mail, and do not necessarily represent those of LS Research, LLC, unless otherwise specifically stated.*

---

**From:** yfaziloglu@curtis-straus.com [mailto:yfaziloglu@curtis-straus.com]

**Sent:** Tuesday, November 27, 2007 8:32 AM  
**To:** Teresa White  
**Subject:** CS03079 GE Medical FCC ID: OU52014748-002 TCB Questions

Hi Teresa,

Please address the following issues for this application,

1. Please supply a copy of complete user's manual as required in 95.653 to address paragraphs (a) through (b)(3) of that section. [Response: Complete User's Manual attached.](#)

**SAR level is incorrect (Pg 28)**

2. External and internal photos are needed. [Response: Photos sent on 11/28/07.](#)

**OK**

3. Licensed devices require a parts list exhibit. [Response: Parts Exhibit attached.](#)

**OK. If this is confidential document, confidentiality request letter must include Parts List as well. Please confirm with the applicant and let us know.**

4. Does the device have any controls accessible to the user that may violate 95.645(a)? Please clarify. [Response: The controls accessible to the user will not violate 95.645\(a\). The controls accessible to the user provide the following functions \(this is discussed in detail in the User's Manual – Transmitter Setup section\): -Check ECG lead connections; -Pause Alarms; -Print ECG graph strips; -Generate a remote event.](#)

**OK**

5. In EMC report,

- i. Please note, Pg 7 does not refer to body-SAR for RF evaluation which has been performed for this device.
- ii. Limits on Pg 14 that are listed as 47dBuV/m must be 46dBuV/m instead.
- iii. On Pg 28, it is not clear how measured and declared RF power levels were determined as 0.005186 and 0.005623Watts respectively.
- iv. Frequency stability data is required as explained in 2.1055 for temperature variation (-30 to +50 degrees C) and for specified battery end-points. Exhibit 9 in report does not seem to address this.

**This item is open for response.**

6. For SAR report,

i. Are there any possible connections to the device other than the cable seen in SAR setup photos? [Response: The transmitter has two serial ports used for external SpO2 or NIBP units.](#)

**Can these two serial ports mentioned be populated while it is operating on the patient ?**

ii. On Pg 14, there may be issues with the positions vs frequencies listed. It would make sense if "back" and "front" positions were each tested for low and high channel. Currently there are two "back" position entries with 1399.975MHz. It is possible one of them may actually be 1395.025MHz assuming back position produces higher

SAR readings than front. So rows 2 and 3 may have their frequencies switched. Please clarify with the SAR lab.  
Response: This issue is due to a typographical mistake. This was brought up to the SAR test lab, and a revised report was issued to correct this mistake. A revised SAR results report is attached.

Still looks inconsistent. At the low frequency channel the "BACK" position seems to produce higher SAR, while in the high channel it is the "FRONT" position that produces higher SAR. Regardless of the channel, it is expected that same positions will produce similar SAR levels and one of them; either front or back, will prevail the other. Please clarify with the SAR lab again.

Best Regards,

Yunus Faziloglu  
Curtis-Straus LLC  
Bureau Veritas

NOTICE: This message contains information which is confidential and the copyright of our company or a third party. If you are not the intended recipient of this message please delete it and destroy all copies. If you are the intended recipient of this message you should not disclose or distribute this message to third parties without the consent of our company. Our company does not represent, warrant and/or guarantee that the integrity of this message has been maintained nor that the communication is free of virus, interception or interference. The liability of our company is limited by our General Conditions of Services.[attachment "GE Carescape Telemetry T14 SAR Report (5).pdf" deleted by Yunus Faziloglu/USA/VERITAS] [attachment "2001989-301A-d1 (3).pdf" deleted by Yunus Faziloglu/USA/VERITAS] [attachment "GE CARESCAPE T14 Telemetry Parts List Exhibit.pdf" deleted by Yunus Faziloglu/USA/VERITAS]