


A Test Report
For
Spectralink Europe ApS
On
Spectralink 7722
Report No. TRA-029314AUS1
2nd November 2015

Element Test Report: TRA-029314AUS1

Applicant: Spectralink Europe ApS
Langmarksvej 34
Horsens
8700
Denmark

Apparatus: Spectralink 7722

Assessment: 47 CFR Part 68 & CS-03 Part V

Authorised by: 
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Report Summary

Samples of the Spectralink 7722 were submitted for assessment against specifications detailed in Section 3 and were found to be fully compliant.

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Section 1 : Introduction

1.1 Laboratory

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1.2 Author

Richard D Cooper, Department Manager- Telecoms

1.3 General

This report contains an assessment of apparatus carried out on samples submitted to the laboratory. The results in this report relate only to the items tested and were obtained in the period between the date of initial receipt of samples and the date of issue of the report.

This assessment has been performed in accordance with the accreditation requirements of UKAS.

All tests were performed under the following environmental conditions:

| | | |
|--------------------|---|----------------|
| Temperature range | : | 15 - 25 °C |
| Humidity range | : | 5 - 75 % |
| Pressure range | : | 86 - 106 kPa |
| Power supply range | : | 228 - 252 Vrms |

All results in this report have been assessed in accordance with ADLNB Guidance Notes GN/WG2/1 with respect to marginal values.

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Section 2 : Product Assessed

2.1 Identification Present on Product

| | |
|------------------------|------------------|
| Manufacturer's Name: | Not Present |
| Trade name/mark/model: | Spectralink 7722 |
| Part No.(s): | Not Present |

2.2 Identifying Declarations

| | |
|------------------------|------------------|
| Trade name/mark/model: | Spectralink 7722 |
| Part No.(s): | Not Declared |

2.3 Subassemblies Assessed

| | |
|------------------------|----------------|
| Trade name/mark/model: | Not applicable |
| Part No.(s): | Not applicable |

2.4 Telecommunications Interfaces Assessed

| | |
|--|------------------------------|
| Physical Interfaces: | PSTN through host |
| Software affecting compliance: | 1422 5100 PCS 15QS |
| User adjustable parameters affecting compliance: | None declared |
| Host for assessment: | Spectralink DECT Server 2500 |

2.5 Samples Submitted

| Sample no. | Description | Serial no. |
|---------------|-----------------------------------|------------|
| TRA-029314S01 | Spectralink 7722 DECT Handset | --- |
| TRA-029314S02 | Spectralink 7722 DECT Handset | --- |
| TRA-029314S03 | DECT Handset single charging base | --- |
| TRA-029314S04 | UE Switching adapter | --- |
| TRA-029314S05 | FSP Group AC/DC adapter | --- |
| TRA-029314S06 | DECT Base Station Hull | --- |
| TRA-029314S07 | KWS 2500 Server | --- |
| TRA-029314S08 | PSTN Cable | --- |

The samples were first received on the 21st October 2015 and commissioned on the 26th October 2015.

2.6 Photographs

i) Upper and lower view of the Spectralink 7722 DECT Handset



ii) General view of Spectralink 7722 DECT Handset in its charging base



iii) General view of Spectrslink DECT Server 2500



Section 3 : Test Schedule

3.1 Specifications

The apparatus was assessed against the following specifications:

47 CFR Part 68 : October 2010
CS-03 Part V: Issue 9

3.2 Special Notes to Test Schedule

- a) The apparatus has been assessed as a VoIP Handset and as such only the applicable tests, as defined by TSB31-B and CS-03, have been performed.
- b) The apparatus submitted a Spectralink 7722 DECT handset. In order to measure the handset the applicant submitted a representative host to allow the handset to connect through the host and connect to the PSTN.

3.3 Test Applicability

The following tests were deemed to be Not Applicable due to the functionality of the apparatus

47 CFR Part 68

| Clause | Reason |
|-----------|--|
| 68.318(b) | The apparatus did not directly connect to the PSTN network |
| 68.318(c) | The apparatus did not transmit a recorded message to line |
| 68.318(d) | The apparatus did not possess facsimile transmission |

3.4 Apparatus feature list

Supported features

VoIP telephony

Section 4 : Observations

4.1 Modifications performed during assessment

No modifications were performed during the 47 CFR Part 68 & CS-03 assessment:

4.2 Record of technical judgements

No technical judgements were made during the assessment.

4.3 Deviations from laboratory test procedures

No deviations were made from laboratory test procedures.

4.4 Record of EUT behaviour

No unusual EUT behaviour was observed.

4.5 Details of Non-compliances

No non-compliant results were recorded.

Section 5 : Results Summary

This section contains the following results summaries:

- 5.1 47 CFR Part 68
- 5.2 CS-03 Part V: Issue 9

The following abbreviations are used in the 'Results' column:

- PASS** Apparatus satisfied the requirements of the clause.
- FAIL** Apparatus failed to satisfy the requirements of the clause.
- N/A** Clause was deemed not applicable due to functionality based on the information received. Refer to section 3.3
- N/T** The clause was not tested at the request of the applicant. Refer to section 3.2

These results apply to the apparatus as submitted.

5.1 47 CFR Part 68

| Clause | Test Description | Required | Results |
|-----------|--|----------|---------|
| 68.316 | Hearing Aid Compatibility | YES | PASS |
| 68.317 | Hearing Aid Compatibility Volume Control | YES | PASS |
| 68.318(a) | General | NOTED | |
| 68.318(b) | Equipment with Automatic Dialling Capability | YES | N/A |
| 68.318(c) | Line Seizure by automatic telephone dialling systems | YES | N/A |
| 68.318(d) | Telephone facsimile machines | YES | N/A |
| 68.318(e) | Equal access to common carriers | YES | PASS |

5.2 CS-03 Part V

| Clause | Test Description | Required | Results |
|--------|--|----------|---------|
| 4 | Hearing Aid Compatibility | YES | PASS |
| 6 | Hearing Aid Compatibility Volume Control | YES | PASS |

Appendix A : 47 CFR PART 68 and CS-03 Part V – Test Results

These results apply to the apparatus as submitted.

| | | |
|------------------------------|--|------------------------------|
| 68.316/ CS-03 HAC | HEARING AID COMPATABILITY – HAC | 68.316/ CS-03 HAC |
|------------------------------|--|------------------------------|

| | | | | |
|--|-------------|----------------------------------|----------------|-------------|
| FCC Part 68 Clause 68.316 CS-03 Part V Clause 4 | | Measured before surge simulation | | |
| HAC (Sample S02) | | | | |
| Probe 1 | Measured | Probe Sensitivity | Corrected Resp | Result |
| Axial | Resp. (dBV) | (dBV/(A/m)) | (dBV/(A/m)) | |
| 1000 | -79.00 | -59.12 | -19.88 | Pass |
| | | | | |
| Probe 2 | Measured | Probe Sensitivity | Corrected Resp | Angle |
| Radial | Resp. (dBV) | (dBV/(A/m)) | (dBV/(A/m)) | (Degrees) |
| 1000 | -82.50 | -59.07 | -23.43 | 0.00 |
| 1000 | -80.20 | -59.07 | -21.13 | 90.00 |
| 1000 | -78.60 | -59.07 | -19.53 | 180.00 |
| 1000 | -85.80 | -59.07 | -26.73 | 270.00 |
| Overall Result | | PASS | | |
| Comments: | | | | |

| | | |
|---------------------|---|---------------------|
| 68.317/CS-03 | HEARING AID COMPATIBILITY – VOLUME CONTROL | 68.317/CS-03 |
|---------------------|---|---------------------|

| FCC Part 68 Clause 68.317 CS-03 Part V Clause 6 HAC Volume Control (Sample S02) | | | Measured ROLR values | | |
|--|---------------------|---------------------|----------------------|---------------|-------------|
| Line Length | ROLR Upper Limit | ROLR Lower Limit | Nominal Volume | Max Volume | Gain |
| 0km | +41dB | +51dB | 46.1 | 31.8 | 14.3 |
| 2.7km | +43dB | +53dB | 50.3 | 36.1 | 14.2 |
| 4.6km | +45dB | +55dB | 53.3 | 39.1 | 14.2 |
| Overall Result | | | PASS | PASS | PASS |
| Comments: Note: nominal level was 4 bars below maximum | | | | | |

| | | |
|------------------|--|------------------|
| 68.318(e) | EQUAL ACCESS TO COMMON CARRIERS | 68.318(e) |
|------------------|--|------------------|

| | |
|---|---------------------------|
| FCC Part 68, Subpart D Clause 318e - Additional Limitations (Sample S01) | |
| Common Carrier Access Requirements | Result |
| TE is not labelled / marked as being only suitable for connection to a specific carrier or set of carriers. | PASS |
| TE includes both Loop-disconnect (LD) and Dual Tone Multi-Frequency (DTMF) signalling. | DTMF through host gateway |
| The TE does not pre-fix or limit the dialled digits | PASS |
| Overall Result | PASS |
| Comments: | |