


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
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FCC Part 68 Clause 68.316 CS-03 Part V Clause 4 HAC (Sample S02)	Measured before surge simulation			
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
HAC 				
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
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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)
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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:	