



Department: Calibration Laboratory ISO/IEC 17020 Accreditation No. 015

Appendix to Certificate No. 015-03

Schedule of Accreditation

Name and Address:

**Laboratory name** Agilent Technologies (Israel) Ltd.  
**Address** Azorim Business park, 94 Em Hamoshavot Road  
Petach Tikva 49527, Israel  
**Phone** +972-3-928-8600  
**Fax** +972-3-928-8601  
**E-Mail** [henry\\_gabay@agilent.com](mailto:henry_gabay@agilent.com)

| Item  | Scope Type | Site | Measurand, Instrument, Gauge      | Range<br>[Including margins]<br>(Does not include margins) | BMC Expressed as an Expanded Uncertainty (95%) | Reference Documents | Remarks                          |
|---|------------|------|-----------------------------------|--|--|---------------------|----------------------------------|
| <b>Calibration – DC &amp; Low frequency</b> |            |      |                                   |  |  |                     | <b>כיוול – זרם ישר ותדר נמוך</b> |
| 1   | B          | P    | DC Voltage, Sources               | 1.018 V  | 2.8 $\mu$ V                                    | Manual Fluke 732B   | HP 3458A Standard instrument     |
| 2   | B          | P    | מתח בורם ישר, מחוללים             | 10 V   | 20 $\mu$ V                                     |                     | Fluke 732B Standard instrument   |
| 3   | B          | P    | DC Voltage, Measuring Instruments | 22 mV to 220 mV]   | 1.5 $\mu$ V                                    | Manual Fluke 5720A  | Fluke 5720A Standard instrument  |
| 4   | B          | P    | מתח בורם ישר, מכשירי מדידה        | (0.22 V to 2.2 V]  | 13 $\mu$ V                                     |                     |                                  |
| 5   | B          | P    |                                   | (2.2 V to 11 V]  | 58 $\mu$ V                                     |                     |                                  |
| 6   | B          | P    |                                   | (11 V to 22 V]   | 88 $\mu$ V                                     |                     |                                  |
| 7   | B          | P    |                                   | (22 V to 220 V]  | 1.3 mV   |                     |                                  |
| 8   | B          | P    |                                   | (220 V to 1100 V]  | 8.3 mV   |                     |                                  |
| 9   | B          | P    | DC Current, Measuring Instruments | 19 $\mu$ A to 220 $\mu$ A]                                 | 1.9 nA   | Manual Fluke 5720A  | Fluke 5720A Standard instrument  |
| 10  | B          | P    | זרם ישר, מכשירי מדידה             | (0.22 mA to 2.2 mA]  | 90 nA  |                     |                                  |
| 11  | B          | P    |                                   | (2.2 mA to 22 mA]  | 0.88 $\mu$ A                                   |                     |                                  |
| 12  | B          | P    |                                   | (22 mA to 220 mA]  | 20 $\mu$ A                                     |                     |                                  |
| 13  | B          | P    |                                   | (0.22 A to 2.2A]   | 0.24 mA  |                     |                                  |
| 14  | B          | P    |                                   | DC Resistance, Measuring Instruments                       | 1 $\Omega$                                     | 0.12 m $\Omega$     | Manual Fluke 5720A               |
| 15  | B          | P    | התנגדות זרם ישר, מכשירי מדידה     | 10 $\Omega$  | 0.26 m $\Omega$                                |                     |                                  |
| 16  | B          | P    |                                   | 100 $\Omega$   | 1.3 m $\Omega$                                 |                     |                                  |
| 17  | B          | P    |                                   | 1 k $\Omega$   | 9.3 m $\Omega$                                 |                     |                                  |
| 18  | B          | P    |                                   | 10 k $\Omega$  | 87 m $\Omega$                                  |                     |                                  |
| 19  | B          | P    |                                   | 100 k $\Omega$   | 1.2 $\Omega$                                   |                     |                                  |
| 20  | B          | P    |                                   | 1 M $\Omega$   | 22 $\Omega$                                    |                     |                                  |

Site: P or T or M, P-Permanent, T-Temporary, M-Mobile  
Type of Scopes: A- Fixed, B- semi-flexible, C- flexible



Department: Calibration Laboratory ISO/IEC 17020 Accreditation No. 015

Appendix to Certificate No. 015-03

**Schedule of Accreditation**

| Item                            | Scope Type | Site | Measurand, Instrument, Gauge                                   | Range [Including margins] (Does not include margins) | BMC Expressed as an Expanded Uncertainty (95%) | Reference Documents | Remarks                         |
|---------------------------------|------------|------|--|--|--|---------------------|---------------------------------|
| Continuation from previous page |            |      |  |  | המשך מעמוד קודם                                |                     |                                 |
| 21                              | B          | P    |  | 10 MΩ  | 410 Ω  |                     |                                 |
| 22                              | B          | P    |  | 100 MΩ   | 12 kΩ  |                     |                                 |
| 23                              | B          | P    | AC Voltage, Measuring Instruments<br>מתח חילופין, מכשירי מדידה | [2.2 mV to 22 mV]                                    |  | Manual Fluke 5720A  | Fluke 5720A Standard instrument |
| 24                              |            |      |  | [60 Hz to 20 kHz]                                    | 7.4 μV   |                     |                                 |
| 25                              |            |      |  | (20 kHz to 100 kHz)                                  | 17 μV  |                     |                                 |
| 26                              | B          | P    |  | (100 kHz to 1 MHz)                                   | 80 μV  |                     |                                 |
| 27                              |            |      |  | [22 mV to 220 mV]                                    |  |                     |                                 |
| 28                              |            |      | [60 Hz to 20 kHz]  | 33 μV  |  |                     |                                 |
| 29                              | B          | P    |  | (20 kHz to 100 kHz)                                  | 0.13 mV  |                     |                                 |
| 30                              |            |      |  | (100 kHz to 1 MHz)                                   | 0.65 mV  |                     |                                 |
| 31                              | B          | P    |  | [0.22 V to 2.2 V]                                    |  |                     |                                 |
| 32                              |            |      |  | [60 Hz to 20 kHz]                                    | 0.16 mV  |                     |                                 |
| 33                              | B          | P    |  | (20 kHz to 1 MHz)                                    | 4.2 mV   |                     |                                 |
| 34                              |            |      |  | [2.2 V to 22 V]                                      |  |                     |                                 |
| 35                              | B          | P    |  | [60 Hz to 20 kHz]                                    | 1.6 mV   |                     |                                 |
| 36                              | B          | P    | AC Current, Measuring Instruments<br>זרם חילופין, מכשירי מדידה | (20 kHz to 100 kHz)                                  | 38 mV  |                     |                                 |
| 37                              |            |      |  | [22 V to 220 V]                                      |  |                     |                                 |
| 38                              | B          | P    |  | [60 Hz to 20 kHz]                                    | 17 mV  |                     |                                 |
| 39                              |            |      |  | (20 kHz to 100 kHz)                                  | 42 mV  |                     |                                 |
| 40                              | B          | P    |  | [220 V to 1100 V]                                    |  |                     |                                 |
| 41                              |            |      | [50 Hz to 1 kHz]   | 190 mV   |  |                     |                                 |
| 36                              | B          | P    | AC Current, Measuring Instruments<br>זרם חילופין, מכשירי מדידה | [22 μA to 220 μA]                                    |  | Manual Fluke 5720A  | Fluke 5720A Standard instrument |
| 37                              |            |      |  | [50 Hz to 1 kHz]                                     | 65 nA  |                     |                                 |
| 38                              | B          | P    |  | (1 kHz to 5 kHz)                                     | 0.1 μA   |                     |                                 |
| 39                              |            |      |  | (0.22 mA to 2.2 mA)                                  |  |                     |                                 |
| 40                              | B          | P    |  | [50 Hz to 1 kHz]                                     | 0.63 μA  |                     |                                 |
| 41                              |            |      | (1 kHz to 5 kHz)   | 0.78 μA  |  |                     |                                 |
| 40                              | B          | P    |  | (2.2 mA to 22 mA)                                    |  |                     |                                 |
| 41                              |            |      |  | [50 Hz to 1 kHz]                                     | 4.5 μA   |                     |                                 |
|                                 |            |      |  | (1 kHz to 5 kHz)                                     | 6 μA   |                     |                                 |

Site: P or T or M, P-Permanent, T-Temporary, M-Mobile  
Type of Scopes: A- Fixed, B- semi-flexible, C- flexible



Department: Calibration Laboratory ISO/IEC 17020 Accreditation No. 015

Appendix to Certificate No. 015-03

**Schedule of Accreditation**

| Item                              | Scope Type | Site | Measurand, Instrument, Gauge       | Range<br>[Including margins]<br>(Does not include margins) | BMC Expressed as an Expanded Uncertainty (95%)  | Reference Documents            | Remarks   |
|-----------------------------------|------------|------|------------------------------------|--|---|--------------------------------|---|
| Continuation from previous page   |            |      |                                    |  |   | המשך מעמוד קודם                |   |
| 42                                | B          | P    |                                    | (22 mA to 220 mA)  |   |                                |   |
| 43                                |            |      |                                    | [50 Hz to 1 kHz]   | 44 $\mu$ A                                      |                                |   |
| 44                                | B          | P    |                                    | (0.22 A to 2.2 A)  |   |                                |   |
| 45                                |            |      |                                    | [50 Hz to 1 kHz]   | 0.75 mA   |                                |   |
|                                   |            |      |                                    | (1 kHz to 5 kHz]   | 1.2 mA  |                                |   |
| 46                                | B          | P    | Frequency, Sources<br>תדר, מחוללים | 1 Pulse Per Second   | $2 \times 10^{-11}$                             | Manual AccuBeat AR-80A         | HP 58503A Standard instrument<br>AccuBeat AR-80A Standard instrument<br>Integration time- 100 seconds                                   |
| Calibration –RF & Microwave, Time |            |      |                                    |  |   | כיוול – תדר גבוה, זמן          |   |
| 47                                | B          | P    | Frequency, Sources<br>תדר, מחוללים | 1 MHz  | $2 \times 10^{-11}$                             | Manual AccuBeat AR-80A         | HP 58503A Standard instrument   |
| 48                                | B          | P    |                                    | 5 MHz  | $2 \times 10^{-11}$                             |                                | AccuBeat AR-80A Standard instrument   |
| 49                                | B          | P    |                                    | 10 MHz   | $2 \times 10^{-11}$                             |                                | Integration time- 100 seconds   |
| 50                                | B          | P    |                                    | [1 Hz to 1 GHz]  | $(4.6 \times 10^{-11} f + 6 \times 10^{-6})$ Hz |                                | AR-80A Standard instrument<br>For $f \leq 100$ kHz<br>Integration time- 1000 seconds<br>For $f > 100$ kHz Integration time- 100 seconds |
| 51                                | B          | P    |                                    | (1 GHz to 50 GHz]  | $3 \times 10^{-11}$                             | Manual Agilent E4448A & E8257D | Gate Time: 0.5 Second   |

Site: P or T or M, P-Permanent, T-Temporary, M-Mobile  
Type of Scopes: A- Fixed, B- semi-flexible, C- flexible