



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

SIEMIC, INC.
dba SIEMIC LABORATORIES
775 Montague Expressway
Milpitas, CA 95035
Mr. Leslie Bai Phone: 408 526 1188
Email: leslie.bai@siemic.com
www.siemic.com

ELECTRICAL

Valid to: September 30, 2018

Certificate Number: 2742.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following EMC, Product Safety, Radio and Telecommunication tests:

<u>Test Technology:</u>	<u>Test Method(s) ^{1,2}:</u>
EN & IEC – Emissions	IEC/CISPR 11; EN 55011; IEC/CISPR 22; EN 55022; IEC/CISPR 32; EN 55032; IEC/CISPR 35; EN 55035; IEC 61000-3-2; EN 61000-3-2; IEC 61000-3-3; IEC 61000-3-3
Immunity	IEC 61000-4-2; EN 61000-4-2; IEC 61000-4-3 (up to 6 GHz); EN 61000-4-3 (up to 6 GHz); IEC 61000-4-4; EN 61000-4-4; IEC 61000-4-5; EN 61000-4-5; IEC 61000-4-6; EN 61000-4-6; IEC 61000-4-8; EN 61000-4-8; IEC 61000-4-9; EN 61000-4-9; IEC 61000-4-11; EN 61000-4-11; IEEE Std. C37.90.2-2004

<u>Test Technology:</u>	<u>Test Method(s)^{1,2:}</u>
Korea – Emissions & Immunity	Annex 1-1 (KN 16-1-1); Annex 1-2 (KN 16-1-2); Annex 1-3 (KN 16-1-3); Annex 1-4 (KN 16-1-4); Annex 1-5 (KN 16-1-5); Annex 1-6 (KN 16-2-1); Annex 1-7 (KN 16-2-2); Annex 1-8 (KN 16-2-3); Annex 1-9 (KN 16-2-4); Annex 1-11 (KN 61000-3-2, KN 61000-3-12); Annex 1-12 (KN 61000-3-3, KN 61000-3-11); Annex 1-13 (KN 61000-4-2); Annex 1-14 (KN 61000-4-3); Annex 1-15 (KN 61000-4-4); Annex 1-16 (KN 61000-4-5); Annex 1-17 (KN 61000-4-6); Annex 1-18 (KN 61000-4-8); Annex 1-19 (KN 61000-4-11); Annex 1-20 (KN 61000-4-9); Annex 1-21 (KN 61000-2-2); Annex 1-22 (KN 61000-2-4); Annex 2 (KN 11); Annex 2-2 (KN 60601-1-2); Annex 3 (KN 41); Annex 4 (KN 14-1); Annex 4-2 (KN 14-2); Annex 5 (KN 15); Annex 6 (KN 50); Annex 6-2 (KN 51); Annex 7 (KN 60); Annex 8-1 (KN 301-489-01); Annex 8-2 (KN 301-489-07); Annex 8-3 (KN 301-489-17); Annex 8-4 (KN 301-489-24); Annex 8-5 (KN 301-489-06); Annex 8-6 (KN 301-489-13); Annex 8-7 (KN 301-489-05); Annex 8-8 (KN 301-489-03); Annex 8-9 (KN 301-489-09); Annex 8-10 (KN 301-489-26); Annex 8-11 (KN 301-489-18); Annex 8-12 (KN 301-489-15); Annex 8-13 (KN 301-489-02); Annex 8-14 (KN 301-489-27); Annex 8-15 (KN 301-489-32); Annex 8-16 (KN 301-489-20); Annex 9 (KN 62040-2); Annex 10 (KN 60947); Annex 11 (KN 32); Annex 11-2 (KN 35); Annex 12 (KN 61800-3); Annex 13 (KN 12015); Annex 13-2 (KN 12016); Annex 14 (KN 60945); Annex 15 (KN 19); Annex 16 (KN 17); Annex 17 (KN 61000-6-3); Annex 17-2 (KN 61000-6-1); Annex 18 (KN 61000-6-4); Annex 18-2 (KN 61000-6-2); KN 13; KN 20; KN 22; KN 24; KN 35
Israel EMC & Immunity	SI 961 Part 6.1; SI 961 Part 6.2
US – Emissions (up to 40 GHz)	47 CFR FCC Part 18 (using MP-5:1986); 47 CFR FCC Part 11; 47 CFR FCC Part 15, Subpart B (using ANSI C63.4:2014)
Canada – Emissions	ICES-001; ICES-003; ICES-005; ICES-006
Vietnam – Emission & Immunity	TCVN 7189:2009 (CISPR 22:2006); TCVN 7317:2003 (CISPR 24:1997)
Australia / New Zealand – Emissions and Immunity	AS/NZS CISPR 11; AS/NZS CISPR 14.1; AS/NZS CISPR 22; AS/NZS CISPR 24; AS/NZS CISPR 32; AS/NZS 61000.3.2; AS/NZS 61000.3.3; AS/NZS 61000.6.3; AS/NZS 61000.6.4
Japan – Emissions	JEITA IT-3001; VCCI-V-3 (up to 6 GHz)
China – Emissions	GB9254; GB17625.1
Taiwan – Emissions	CNS 13438 (up to 6 GHz); CNS 13783-1; CNS 13803; CNS 13439

<u>Test Technology:</u>	<u>Test Method(s)^{1,2:}</u>
Singapore – Emissions & Immunity	IMDA TS EMC; CISPR 22; IEC 61000-4-2; IEC 61000-4-3; IEC 61000-4-4; IEC 61000-4-5; IEC 61000-4-6
US – Radio	47 CFR FCC Part 15, Subparts C, D, E, F, H (using ANSI C63.10-2013, ANSI C63.17-2013, KDB 905462); 47 CFR FCC Parts 20, 22, 24, 25, 27, 73, 74, 80, 87, 90, 95, 96, 97, 101 (using TIA-603-D, ANSI C63.26:2015, FCC KDB 935210 D03 (v04), D04 (v02), D05 (v01r01))
Canada – Radio	RSS 102 (<i>excluding SPR-002, Issue 1</i>); RSS 111; RSS 112; RSS 117; RSS 119; RSS 123; RSS 125; RSS 127; RSS 130; RSS 131; RSS 132; RSS 133; RSS 134; RSS 135; RSS 137; RSS 139; RSS 141; RSS 142; RSS 170; RSS 181; RSS 182; RSS 191; RSS 192; RSS 194; RSS 195; RSS 196; RSS 197; RSS 199; RSS 210; RSS 211; RSS 220; RSS 213; RSS 215; RSS 216; RSS 236; RSS 238; RSS 243; RSS 244; RSS 247; RSS 251; RSS 287; RSS 288; RSS 310; RSS Gen
CE – Radio	EN 300 086-1; EN 300 224-1; EN 300 224-2; EN 300 279; EN 300 339; EN 300 385; EN 301 502; EN 301 511; EN 301 751; EN 301 753; EN 301 783-2; EN 301 796; EN 301 797; EN 301 839-1; EN 301 839-2; EN 301 840-2; EN 301 843-1; EN 301 843-2; EN 301 843-3; EN 301 843-4; EN 301 843-5; EN 301 843-6; EN 301 893; EN 301 908-01; EN 301 908-02; EN 301 908-03; EN 301 908-04; EN 301 908-05; EN 301 908-06; EN 301 908-07; EN 301 908-08; EN 301 908-09; EN 301 908-10; EN 301 908-11; EN 301 908-13; EN 301 929-2; EN 302 017-1; EN 302 017-2; EN 302 018-2; EN 302 054-2; EN 302 064-2; EN 302 066-2; EN 302 077-2; EN 302 195-2; EN 302 208-1; EN 302 208-2; EN 302 217-1; EN 302 217-2-1; EN 302 217-2-2; EN 302 217-3; EN 302 217-4-1; EN 302 217-4-2; EN 302 245-2; EN 302 288-1; EN 302 288-2; EN 302 291-1; EN 302 291-2; EN 302 296; EN 302 297; EN 302 326-1; EN 302 326-2; EN 302 326-3; EN 302 372-2; EN 302 426; EN 302 454-2; EN 302 480; EN 302 500-1; EN 302 500-2; EN 302 502; EN 302 510-2; EN 302 625; ETSI EN 300 086-2; ETSI EN 300 113-1; ETSI EN 300 113-2; ETSI EN 300 197; ETSI EN 300 198; ETSI EN 300 220-1; ETSI EN 300 220-2; ETSI EN 300 220-3; ETSI EN 300 296-1; ETSI EN 300 296-2; ETSI EN 300 328; ETSI EN 300 330-1; ETSI EN 300 330-2; ETSI EN 300 390-1; ETSI EN 300 390-2; ETSI EN 300 422-1; ETSI EN 300 422-2; ETSI EN 300 440-1; ETSI EN 300 440-2; ETSI EN 300 454-1; ETSI EN 300 454-2; ETSI EN 300 718-2; ETSI EN 301 166-1; ETSI EN 301 166-2; ETSI EN 301 357-1; ETSI EN 301 357-2; ETSI EN 301 390; ETSI EN 302 065-1; ETSI EN 303 883; ETSI TS 102 883; ETSI TS 103 361; ETSI EN 301 489-33; ETSI EN 301 489-50; ETSI EN 303 413; EN 300 386
Mexico – Radio	NOM-083-SCT1-2002; NOM-084-SCT1-2002; NOM-088/1-SCT1-2002; NOM-088/2-SCT1-2002; NOM-121-SCT1-2009; NOM-EM-016-SCFI-2015, IFT-008-2015

<u>Test Technology:</u>	<u>Test Method(s) ^{1,2:}</u>
Israel – Radio	Wireless Telegraph Ordinance (Ordinance Non-Application Directive), 1984; Frequencies for GSM and UMTS Networks; Checklist for Conformance Approval for DECT Equipment in the Spectrum Division, July 2010; Type Approval – Licensed Frequencies; Type Approval – Licensed Exempt Frequencies
IMDA – Radio	IMDA TS DSRC; IMDA TS WSD; IMDA TS DVB-T2 IRD; IMDA TS CT-CTS; IMDA TS SRD; IMDA TS AR; IMDA TS GMPCS; IMDA TS CMT; IMDA TS CBS; IMDA TS UWB; IMDA TS WBA; IMDA TS LMR
Vietnam – Radio	QVCN 10:2010/BTTTT; QCVN 11:2010/BTTTT; QVCN 12:2015/BTTTT; QVCN 13:2010/BTTTT; QVCN 14:2010/BTTTT; QVCN 15:2015/BTTTT; QVCN 16:2010/BTTTT; QVCN 17:2010/BTTTT; QVCN 18:2014/BTTTT; QVCN 19:2010/BTTTT; QVCN 20:2010/BTTTT; QVCN 21:2010/BTTTT; QVCN 29:2011/BTTTT; QVCN 30:2011/BTTTT; QVCN 31:2011/BTTTT; QVCN 37:2011/BTTTT; QVCN 41:2011/BTTTT; QVCN 42:2011/BTTTT; QVCN 43:2011/BTTTT; QVCN 44:2011/BTTTT; QVCN 45:2011/BTTTT; QVCN 47:2015/BTTTT; QVCN 53:2011/BTTTT; QVCN 54:2011/BTTTT; QVCN 55:2011/BTTTT; QVCN 56:2011/BTTTT; QVCN 65:2013/BTTTT; QVCN 66:2013/BTTTT; QVCN 73:2013/BTTTT; QVCN 74:2013/BTTTT; QVCN 77:2015/BTTTT; QVCN 86:2015/BTTTT; QVCN 88:2015/BTTTT; QVCN 91:2015/BTTTT; QVCN 92:2015/BTTTT; QVCN 93:2015/BTTTT; QVCN 94:2015/BTTTT; QVCN 95:2015/BTTTT; QVCN 96:2015/BTTTT; QVCN 103:2016/BTTTT; TCVN 7600:2010

<u>Test Technology:</u>	<u>Test Method(s) ^{1,2:}</u>
Korea – Radio	Regulations on Radio Equipment (Enforcement Decree of MSIP NO. 78, Aug 12, 2016); Unlicensed Radio Equipment Established Without Notice (MSIP Public Notification 2016-127); Technical Requirements for Radio Equipment for Maritime Services (RRA Public Notification 2016-33); Technical Requirements for Radio Equipment for Aeronautical Services (RRA Public Notification 2015-28); Technical Requirements for Radio Equipment for Telecommunication Services (RRA Public Notification 2016-11); Technical Requirements of the Other Service Radio Equipment for Simple radio station, Space station and Earth station (RRA Public Notification 2016-21); Technical Requirements of the Other Service Radio Equipment for Simple radio station, Space station and Earth station (RRA Public Notification 2016-21); Technical Requirements of Radio Wave Application (RRA Public Notification 2016-20); Measurements of the high-frequency output of radio wave application equipment and antenna power calculation methods (RRA Public Notification 2016-2); Technical Requirements for Radio Equipment of Standard of Safety Facility (RRA Public Notification 2016-20); Technical Requirements for the Human Protection against Electromagnetic Waves (MSIP Public Notification 2015-18); Technical Requirements for Measurement and Test Procedure of Specific Absorption Rate (RRA Public Notification 2015-23); Technical Requirements for Measurement of Electromagnetic Field Strength (RRA Public Notification 2014-2); Equipment to be subject of Test Procedure for Electromagnetic Field Strength and Specific Absorption Rate (MSIP Public Notification 2016-66); Conformity Assessment Procedure for Telecommunications Terminal Equipment (RRA Announce 2015-135); KS X 3123
Taiwan – Radio	LP0002; PLMN07; PLMN01; PLMN08; PLMN10

<u>Test Technology:</u>	<u>Test Method(s) ^{1,2:}</u>
Australia - New Zealand – Radio	AS 2772.2; AS/NZS 4281; AS/NZS 4771; Radiocommunications (Short range devices) Standard 2014 (AS/NZS 4268, AS/NZS 4268.1, AS/NZS 4268.2); Radiocommunications (406 MHz Satellite Distress Beacons) Standard 2014 (AS/NZS 4280, AS/NZS 4280.1:2003, AS/NZS 4280.2:2003); Radiocommunications (Cordless Telephone) Standard 2008 (AS/NZS 4281:2007); Radiocommunications (Analogue Speech (Angle Modulated Equipment) Standard 2014 (AS/NZS 4295:2015); Radiocommunications (121.5 MHz and 243.0 MHz Emergency Position Indicating Radio Beacons) Standard 2014 (AS/NZS 4330:2006); Radiocommunications (UHF CB Radio Equipment) Standard 2011 (No.1) (AS/NZS 4365:2011); Radiocommunications (VHF Radiotelephone Equipment - Maritime Mobile Service) Standard 2014 (AS/NZS 4415.1:2003, AS/NZS 4415.2:2003); Radiocommunications (MF and HF Radiotelephone Equipment - International Maritime Mobile Service) Standard 2014 (AS/NZS 4582:2004); Radiocommunications (118 MHz to 137 MHz Amplitude Modulated Equipment - Aeronautical Radio Service) Standard 2012 (AS/NZS 4583:2016); Radiocommunications (Paging Service Equipment) Standard 2014 (AS/NZS 4769.1:2000, AS/NZS 4769.2:2000); Radiocommunications (MF and HF equipment - Land Mobile Service) Standard 2014 (AS/NZS 4770:2000); Radiocommunications (Digital Cordless Communications Devices - DECT Devices) Standard 2007; Radiocommunications (Digital Cordless Communications Devices - PHS Devices) Standard 2007; AR IB RCR STD-28; ETSI EN 301 406
Hong Kong – Radio	HKCA 1001; HKCA 1002; HKCA 1003; HKCA 1004; HKCA 1006; HKCA 1007; HKCA 1008; HKCA 1010; HKCA 1015; HKCA 1016; HKCA 1019; HKCA 1020; HKCA 1022; HKCA 1026; HKCA 1027; HKCA 1033; HKCA 1034; HKCA 1035; HKCA 1036; HKCA 1037; HKCA 1039; HKCA 1041; HKCA 1042; HKCA 1043; HKCA 1044; HKCA 1045; HKCA 1046; HKCA 1047; HKCA 1048; HKCA 1049; HKCA 1050; HKCA 1052; HKCA 1053; HKCA 1054; HKCA 1056; HKCA 1057; HKCA 1061; HKCA 1063; HKCA 1064; HKCA 1065; HKCA 1066; HKCA 1067; HKCA 1068; HKCA 1069; HKCA 1070; HKCA 1071; HKCA 1072; HKCA 1073; HKCA 1076
US – Telecom	TIA-968-B; TIA-968-B-1; FCC Rule Part 68; 47 CFR Part 68.316; 47 CFR Part 68.317; TIA-464-C; TIA-464-C-1; TIA-810-B; T1.TRQ6 (2002); TIA-470.110-C; TIA-920; ANSI T1.413i2; TIA-TSB-31-D; TIA-TSB-31-D-1

<u>Test Technology:</u>	<u>Test Method(s) ^{1,2:}</u>
Israel – Telecom	TN - Ministry of Communications Specification 023/96: Specification of Terminal Equipment Interconnected to the Analog Public Telephone Network – Requirements for Type Approval; ISDN - Ministry of Communications Specifications ISDN BRA and ISDN PRA
Canada – Telecom	CS-03 Part I Issue 9, Amendment 5, March 2016; CS-03 Part II Issue 9, Amendment 1, September 2012; CS-03 Part V Issue 9, Amendment 1, January 2009; CS-03 Part VI Issue 9, Amendment 1, September 2012; CS-03 Part VII Issue 9, Amendment 4, September 2012; CS-03 Part VIII Issue 9, Amendment 5, March 2016
Europe – Telecom	ETSI ES 203 021-1; ETSI ES 203 021-2; ETSI ES 021-3; ETSI EN 301 437; ETSI TS 101 270-1; ETSI EN 301 406 ITU-T Recommendation Q.920; ITU-T Recommendation Q.920 – Amendment 1; ITU-T Recommendation Q.921; ITU-T Recommendation Q.921 – Amendment 1; ITU-T Recommendation Q.931; ITU-T Recommendation Q.931 – Amendment 1; Erratum 1 (02/2003) ITU-T Recommendation Q.931 (05/1998) ISDN User Network Interface Layer 3 Specification for Basic Call Control; ITU-T Recommendation P.300; TBR 004 Ed.1.95 + A1 (97); TBR 1; TBR 3; TBR 12:A1 01-1996; TBR 013 Ed.1; TBR 015 Ed.1.1997; TBR 017 Ed.1.1997; TBR 024 Ed.1; TBR 25; TBR 38 Ed.1; TBR 021
Australia – Telecom	AS/CA S002, AS/CA S003, AS/CA S004, AS/CA S008, AS/ACIF S016, AS/ACIF S031, AS/ACIF S038, AS/ACIF S041, AS/CA S042, AS/ACIF S043
New Zealand – Telecom	PTC200:2006; PTC200 Issue No.2:97 + A1(980); PTC220; PTC273:2007; TNA 115; TNA 117
Singapore – Telecom	IMDA TS ADSL; IMDA TS CCHN; IMDA TS CM; IMDA TS DLCN; IMDA TS ISDN; IMDA TS PSTN; IMDA TS PLC
Hong Kong – Telecom	HKCA 2011; HKCA 2012; HKCA 2013; HKCA 2014; HKCA 2015; HKCA 2017; HKCA 2018; HKCA 2019; HKCA 2022; HKCA 2023; HKCA 2024; HKCA 2026; HKCA 2027; HKCA 2028; HKCA 2029; HKCA 2030; HKCA 2031; HKCA 2032; HKCA 2033
Vietnam – Telecom	QCVN 10:2010/BTTTT; QCVN 12:2010/BTTTT; QCVN 13:2010/BTTTT; QCVN 15:2010/BTTTT; QCVN 18:2010/BTTTT; QCVN 19:2010/BTTTT; QCVN 20:2010/BTTTT; QCVN 21:2010/BTTTT; QCVN 55:2011/BTTTT

<u>Test Technology:</u>	<u>Test Method(s) ^{1,2:}</u>
Korea – Telecom	Standard Test Procedure on the Technical Requirements for Telecommunications Terminal Equipment (RRA Public Notification 2012-17); Technical Requirements for CATV Equipment (MSIP Public Notification 2016-53); Technical Requirements for Telecommunications Terminal Equipment (RRA Public Notification 2016-12); Conformity Assessment Procedure for Telecommunications Terminal Equipment (RRA Announce 2015-135); Technical Requirements for grounding equipment, customer premise telecom equipment, line equipment and common ducts, etc. (RRA Public Notification 2015-19); Technical Requirements for broadcasting shared receive equipment of standards for Installing (MSIP Public Notification 2015-55); KS X 3041; KS X 3074; KS X 3075; KS X 3076; KS X 3077; KS X 3078; KS X 3163; KS X 3164; KS X 3165; KS X 3166; KS X 3184; KS X 3247
China – Telecom	YD/T 514-1:98; YD/T 1277.1-2003; GB/T 17904.1-1999; GB/T 17904.2-1999; GB/T 17154.1-1997; GB/T 17154.2-1997; YD/T1091-2000; GB/T 17789-1999
Taiwan – Telecom	ADSL01:08; ID0002:2007; IS6100:93; PSTN01:2007
Japan – Telecom	JATE Blue Book, Green Book; Ministerial Ordinance of the Ministry of Posts and Telecommunications No. 31 of April 1, 1985 (last amended on March 22, 2004); Ordinance Concerning Technical Conditions Compliance Approval etc. of Terminal Equipment (amended by the Ministerial Ordinance of the MIC No. 92 of October 25, 2010); Ordinance Concerning Terminal Facilities etc. (amended by the Ministerial Ordinance of the MIC No. 91 of October 25, 2010)
South Africa – Telecom	DPT-TE-001; TE-002; TE-003; TE-004; TE-005; TE-006; TE-007; TE-008; TE-009; TE-010; TE-012 (telephone interface); TE-013 (telephone interface); TE-014; TE-015; TE-018; SWS-001; SWS-002; SWS-003; SWS-004; SWS-005; SWS-006; SWS-007; SWS-008; SWS-009; SWS-010
Israel – Telecom	Israel MoC Spe. 23/96
Mexico – Telecom	NOM-151-SCT1-1999; NOM-152-SCT1-1999; NOM-EM-015-SCFI-2015, IFT-004-2016
Argentina – Telecom	CNC-ST2-44-01
Brazil – Telecom	Resolution 392-2005
International Telecom Union	ITU-T-G.703:01; ITU-T-G.823:93; ITU-T G.824; ITU-T G.825; ITU-T-G.991.2; ITU-T-G.992.1; ITU-T-G.992.3; ITU-T-G.992.5; ITU-T-G.993.1; ITU G.993.2

<u>Test Technology:</u>	<u>Test Method(s) ^{1,2:}</u>
Japan – Radio	ARIB STD-T66; ARIB STD-T81; ARIB STD-T89; ARIB STD-T90; ARIB STD-T94 Fascicle 1; RCR STD-1; RCR STD-29; RCR STD-33
SAR & HAC	ANSI C63.19:2011; ANSI C95; AS/NZS 2772.2:2011; CNS 14958-1; CNS 14959; EN 50371; EN 50383; EN 62233; EN 62311; EN 62479; EN 50360; EN 50361; EN 50364; FCC OET Bulletin 65 Supplement C; FCC OET Bulletin 65; FCC 47 CFR 20.19; H46-2/99-273E; IEEE P1528:2003 + Ad1; IEEE 1528A:2005; IEEE 1528a:2013; IEC 62209-1; IEC 62209-2; MSIP Public Notification 2015-17; MSIP Public Notification 2015-18; NZS 2772.1; Resolution N 533; RRA Public Notification 2015-23
Japan – Notification No. 88 of MIC 2004	
Table No 13	CB Radio
Table No 21	Cordless Telephone
Table Nos 22-1 thru 22-17	Low Power Radio Equipment
Table No 36	Low Power Security System
Table No 43	Low Power Data Communication in the 2.4 GHz Band
Table No 44	Low Power Data Communication in the 2.4 GHz Band
Table No 45	Low Power Data Communication in the 5.2, 5.3, 5.6 GHz Bands
Table No 46	Low Power Data Communication in the 25 and 27 GHz Bands
Table No 47	Base Station for 5 GHz Band Wireless Access System
Table No 47	Base Station for 5 GHz Band Wireless Access System (low spurious type)
Table No 47	Land Mobile Relay for 5 GHz Band Wireless Access System (limited for use in special zones)
Table No 47	Land Mobile Relay for 5 GHz Band Wireless Access System (limited for use in special zones, low spurious type)
Table No 47	Land Mobile Relay for 5 GHz Band Wireless Access System
Table No 47	Land Mobile Relay for 5 GHz Band Wireless Access System (low spurious type)
Table No 47	Land Mobile Relay for 5 GHz Band Wireless Access System (low power type)
Table No 50	Digital Cordless Telephone
Table No 50	PHS Base Station
Table No 50	PHS Land Mobile Station
Table No 50	PHS Relay Station
Table No 50	PHS Test Station
Table No 64	Mobile Station for Dedicated Short Range Communication Systems
Table No 64	Base Station for Dedicated Short Range Communication Systems
Table No 64	Test Station for Dedicated Short Range Communication Systems
Table No 70	UWB (Ultra-Wide Band) Radio System

Test Technology:	Test Method(s)^{1,2:}
<i>Product Family/Generic Standards</i>	AS/NZS 1044; AS/NZS 2279.3; AS/NZS 3548; AS/NZS 4251.1; AS/NZS 4251.2; AS/NZS CISPR 24; AS/NZS 61000.6.3; AS/NZS 61000.6.4; ANSI C63.7; EB 50121-3-2; EN 12184; EN 50083-2; EN 50090-2-2; EN 50091-2; EN 50121-4; EN 50130-4; EN 50130-4 + A12; EN 50412-2-1; EN 50491-5-1; EN 50491-5-2; EN 50491-5-3; EN 55015; EN 55024; EN 60601-1-2; EN 302 480; EN 61000-6-1; EN 61000-6-2; EN 61000-6-3; EN 61000-6-4; EN 61204-3; EN 61326-1; EN 61326-2-1; EN 61326-2-2; EN 61326-2-3; EN 61326-2-4; EN 61326-2-5; EN 61547; ETSI EN 301 489-01 (<i>excluding section 9.6</i>); ETSI EN 301 489-02; ETSI EN 301 489-03; ETSI EN 301 489-04; ETSI EN 301 489-05; ETSI EN 301 489-06; ETSI EN 301 489-07; ETSI EN 301 489-08; ETSI EN 301 489-09; ETSI EN 301 489-10; ETSI EN 301 489-11; ETSI EN 301 489-12; ETSI EN 301 489-13; ETSI EN 301 489-14; ETSI EN 301 489-15; ETSI EN 301 489-16; ETSI EN 301 489-17; ETSI EN 301 489-18; ETSI EN 301 489-19; ETSI EN 301 489-20; ETSI EN 301 489-22; ETSI EN 301 489-23; ETSI EN 301 489-24; ETSI EN 301 489-25; ETSI EN 301 489-26; ETSI EN 301 489-27; ETSI EN 301 489-28; ETSI EN 301 489-31; ETSI EN 301 489-32; IEC/CISPR 24; IEC 60601-1-2; IEC 60945; KN 60601-1-2; CISPR 13; NOM-EM-017-SCFI-2016, IFT-005-2016

*Limitations for listed standards are indicated by italics and Scope excludes protocol sections of applicable standards.

¹ When the date, revision or edition of a test method standard is not identified on the scope of accreditation, the laboratory is required to be using the current version within one year of the date of publication, per part C., Section 1 of A2LA R101 - General Requirements - Accreditation of ISO-IEC 17025 Laboratories.

² The laboratory is only accredited for testing activities outlined within the test methods listed above. Reference to any other activity within these standards, such as risk management or risk assessment, does not fall within the laboratory's accredited capabilities.

Testing Activities Performed in Support of FCC Declaration of Conformity and Certification in Accordance with 47 Code of Federal Regulations and FCC KDB 974614, Appendix A, Table A.1³

Rule Subpart/Technology	Test Method	Maximum Frequency (MHz)
<u>Unintentional Radiators</u> Part 15B	ANSI C63.4:2014	40000
<u>Industrial, Scientific, and Medical Equipment</u> Part 18	FCC MP-5 (February 1986)	40000
<u>Intentional Radiators</u> Part 15C	ANSI C63.10:2013	40000

Testing Activities Performed in Support of FCC Declaration of Conformity and Certification in Accordance with 47 Code of Federal Regulations and FCC KDB 974614, Appendix A, Table A.1³

Rule Subpart/Technology	Test Method	Maximum Frequency (MHz)
<u>Unlicensed Personal Communication Systems Devices</u> Part 15D	ANSI C63.17:2013	1930
<u>U-NIII without DFS Intentional Radiators</u> Part 15E	ANSI C63.10:2013	6000
<u>U-NIII with DFS Intentional Radiators</u> Part 15E	FCC KDB 905462 D02 (v01)	6000
<u>UWB Intentional Radiators</u> Part 15F	ANSI C63.10:2013	29000
<u>White Space Device Intentional Radiators</u> Part 15H	ANSI C63.10:2013	614
<u>Commercial Mobile Services (FCC Licensed Radio Service Equipment)</u> Parts 22 (cellular), 24, 25 (non-microwave), and 27	ANSI/TIA-603-D	30000
<u>General Mobile Radio Services (FCC Licensed Radio Service Equipment)</u> Parts 22 (non-cellular), 90 (non-microwave), 95, 97, and 101 (non-microwave)	ANSI/TIA-603-D	40000
<u>Citizens Broadband Radio Services (FCC Licensed Radio Service Equipment)</u> Part 96	ANSI/TIA-603-D	3700
<u>Maritime and Aviation Radio Services</u> Parts 80 and 87	ANSI/TIA-603-D	40000
<u>Microwave and Millimeter Bands Radio Services</u> Parts 25, 74, 90 (90Y, 90Z, DSRC), and 101	ANSI/TIA-603-D	90000
<u>Broadcast Radio Services</u> Parts 73 and 74 (non-microwave)	ANSI/TIA-603-D	19700
<u>RF Exposure</u> Devices Subject to SAR Requirements	IEEE Std 1528:2013	6000
<u>Hearing Aid Compatibility</u> Part 20 (HAC for Commercial Mobile Services)	ANSI C63.19:2011	2450

Testing Activities Performed in Support of FCC Declaration of Conformity and Certification in Accordance with 47 Code of Federal Regulations and FCC KDB 974614, Appendix A, Table A.1³

Rule Subpart/Technology	Test Method	Maximum Frequency (MHz)
<u>Signal Boosters</u>		
Part 20 (Wideband Consumer Signal Boosters, Provider-specific signal boosters, and Industrial Signal Boosters)	FCC KDB 935210 D03 (v04); FCC KDB 935210 D04 (v02); FCC KDB 935210 D05 (v01r01)	6000

³Accreditation does not imply acceptance to the FCC equipment authorization program. Please see the FCC website (<https://apps.fcc.gov/oetcf/eas/>) for a listing of FCC approved laboratories.



Accredited Laboratory

A2LA has accredited

SIEMIC, INC.
dba SIEMIC LABORATORIES
Milpitas, CA

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009).



Presented this 1st day of February 2017.

A handwritten signature in black ink, written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 2742.01
Valid to September 30, 2018

For the tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.