**ELECTRONIC TECHNOLOGY SYSTEMS**
**DR. GENZ GMBH**

# TEST - REPORT

**FCC RULES PART 15 / SUBPART C §15.249**

## FCC ID: OMOTX22U

## Test report no.:

## G0M20511-9970-C-1

ELECTRONIC TECHNOLOGY SYSTEMS
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# 1 General Information

## 1.1 Notes

The purpose of conformity testing is to increase the probability of adherence to the essential requirements or conformity specifications, as appropriate.
The complexity of the technical specifications, however, means that full and thorough testing is impractical for both technical and economic reasons.
Furthermore, there is no guarantee that a test sample which has passed all the relevant tests conforms to a specification.
Neither is there any guarantee that such a test sample will interwork with other genuinely open systems.
The existence of the tests nevertheless provides the confidence that the test sample posseses the qualities as maintained and that is performance generally conforms to representative cases of communications equipment.

The test results of this test report relate exclusively to the item tested as specified in 1.5.
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**Tester:**

| | | | |
|---|---|---|---|
| 06.01.2006 | | M. Cersovsky | i.s. |
| Date | ETS-Lab. | Name | Signature |

**Technical responsibility for area of testing:**

| | | | |
|---|---|---|---|
| 06.01.2006 | | N.Kaspar | |
| Date | ETS | Name | Signature |

## 1.2 Testing laboratory

### 1.2.1 Location

ELECTRONIC TECHNOLOGY SYSTEM DR. GENZ GMBH (ETS)
Storkower Straße 38c
D-15526 Reichenwalde b. Berlin
Germany
Telefon : +49 33631 888 00
Telefax : +49 33631 888 660

### 1.2.2 Details of accreditation status

**ACCREDITED TESTING LABORATORY**
**DAR-REGISTRATION NUMBER:** TTI-P-G 126/96

**ACCREDITED COMPETENT BODY**
**DAR-REGISTRATION NUMBER:** BPT-ZE-026/96

**FCC FILED TEST LABORATORY** REG. NO. 96970

**BLUETOOTH QUALIFICATION TEST FACILITY (BQTF)**
**ACCREDITED BY BLUETOOTH QUALIFICATION REVIEW BOARD**

**INDUSTRY CANADA FILED TEST LABORATORY** REG. NO. IC 3470

**A2LA ACCREDITED** Certificate Number 1983-01

## 1.3 Details of approval holder

| | |
|---|---|
| Name | : La Crosse Technology Ltd. |
| Street | : 1116 South Oak Street1116 South Oak Street |
| Town | : La Crescent, MN 55947La Crescent, MN 55947 |
| Country | : USA |
| Telephone | : +1-507-895 1008 |
| Fax | : +1-507-895 8000 |
| | |
| Contact | : Mr. Allan McCormick |
| Telephone | : +1-507-895 1008 |

## 1.4 Application details

Date of receipt of application : 25.11.2005
Date of receipt of test item : 25.11.2005
Date of test : 02.12.2005 – 06.01.2006

## 1.5 Test item

Description of test item : Weather Station transmitter unit for WS1610

Type identification : TX22U + TX23U +TX26U

Serial number : without

Photos : See Appendix A

**Technical data**

| | | |
|---|---|---|
| Frequency band | : | 902 MHz – 928 MHz |
| Frequency (ch 1) | : | 910 MHz |
| Frequency (ch 50) | : | 920 MHz |
| Antenna | : | internal |
| Antenna type | : | on board printed F-type |
| Power supply | : | Battery 3.0V |
| Operating mode | : | simplex |
| Type of modulation | : | F3D |

**Manufacturer**:
(if applicable)

Name : Europe Supplies Limited
Street : A3, 12/F., Kailey Ind. Centre, No. 12 Fung Yip St.
Town : Chaiwan
Country : Hong Kong

## 1.6 Test standards

Technical standard : FCC RULES PART 15 / SUBPART C § 15.249

# 2 Technical test

## 2.1 Summary of test results

No deviations from the technical specification(s) were ascertained in the course of the tests performed. ☒

**or**

The deviations as specified in 2.5 were ascertained in the course of the tests performed. ☐

## 2.2 Test environment

Temperature : °C

Relative humidity content : 20 ... 75 %

Air pressure : 86 ... 103 kPa

Details of power supply : Battery 3.0V

Extrem conditions parameters: : test voltage - extreme min.: --
max: --

Additional information : none

## 2.3 Test equipment utilized

| No. | Test equipment | Type | Manufacturer |
|---|---|---|---|
| ETS 0001 | Test receiver | ESHS 10 | Rohde & Schwarz |
| ETS 0002 | Test receiver | ESVP | Rohde & Schwarz |
| ETS 0003 | Test receiver | ESVS 10 | Rohde & Schwarz |
| ETS 0004 | Spectrum and network analyzer | FSMS 26 | Rohde & Schwarz |
| ETS 0005 | Test receiver | SMV 11 | MEB |
| ETS 0006 | Test receiver system | SME 12 | MEB |
| ETS 0008 | Antenna | Loop antenna | Siemens |
| ETS 0009 | Antenna | ARA 2 | MEB |
| ETS 0010 | Antenna | Loop antenna | MEB |
| ETS 0011 | Antenna | van Veen/ Frame | Rohde & Schwarz |
| ETS 0012 | Antenna | HK 116 | Rohde & Schwarz |
| ETS 0013 | Antenna | HL 223 | Rohde & Schwarz |
| ETS 0014 | Antenna | HL 025 | Rohde & Schwarz |
| ETS 0015 | Antenna | HL 025 | Rohde & Schwarz |
| ETS 0016 | Precision antenna kit | VHAP | Schwarzbeck |
| ETS 0017 | Precision antenna kit | UHAP | Schwarzbeck |
| ETS 0020 | Antenna | DP 21 | MEB |
| ETS 0021 | Antenna | DP 3 | MEB |
| ETS 0022 | Antenna | SAS-200/ 521 | A.H. Systeme+D65 |
| ETS 0023 | Antenna | DP 1 | MEB |
| ETS 0024 | Antenna mast | AF 2 | MEB |
| ETS 0025 | Antenna mast | AF 2 | MEB |
| ETS 0026 | Tripod | | Heinrich Deisel |
| ETS 0027 | Tripod | | Heinrich Deisel |
| ETS 0028 | Tripod | STA 2 | C. Lorenz AG |
| ETS 0029 | Tripod | | Berlebach |
| ETS 0031 | Turn table | DS 412 | Heinrich Deisel |
| ETS 0032 | Controller | HD 050 | Heinrich Deisel |
| ETS 0033 | RF generator | SMG | Rohde & Schwarz |
| ETS 0034 | RF generator/ Amplifier | SMLR | Rohde & Schwarz |
| ETS 0035 | RF generator/ Amplifier | SMLM | Rohde & Schwarz |

| No. | Test equipment | Type | Manufacturer |
|---|---|---|---|
| ETS 0038 | RF amplifier | 150L | Amplifier Research |
| ETS 0039 | Absorbing clamp | MDS 21 | Rohde & Schwarz |
| ETS 0040 | Artificial mains | ESH3-Z5 | Rohde & Schwarz |
| ETS 0041 | Artificial mains | ESH3-Z4 | Rohde & Schwarz |
| ETS 0042 | Artificial mains | ESH3-Z6 | Rohde & Schwarz |
| ETS 0044 | Artificial mains | NNB 111 | MEB |
| ETS 0045 | Stripe line | IEC 801-3 | ETS |
| ETS 0046 | Power supply | LTS 006 | RFT |
| ETS 0047 | Power supply | TG 20/ 1 | Statron |
| ETS 0048 | Power supply | TG 20/ 1 | Statron |
| ETS 0049 | Power supply | T 102 | TPW |
| ETS 0050 | Power supply | T 101b | TPW |
| ETS 0051 | Oscilloscope | TDS 640A | Tektronix |
| ETS 0052 | Audio analyzer | UPA 4 | Rohde & Schwarz |
| ETS 0053 | ECAT Control center | CE 40 | Keytek/ EMV |
| ETS 0054 | EFT simulator | E 412 | Keytek/ EMV |
| ETS 0055 | Module network coupler | E 4551 | Keytek/ EMV |
| ETS 0056 | Blank plug-in | | Keytek/ EMV |
| ETS 0057 | Module SURGE with DC coupler | E 501 | Keytek/ EMV |
| ETS 0058 | Capacitive coupling clamp | E 502 B | Keytek/ EMV |
| ETS 0059 | Kikusui amplifier | PCR 2000L | Keytek/ EMV |
| ETS 0060 | Xitron power analyzer | | Keytek/ EMV |
| ETS 0061 | Power/ Arb (Harm., Ramp) | | Keytek/ EMV |
| ETS 0062 | Reference impedance | | Keytek/ EMV |
| ETS 0063 | Blank plug-in | | Keytek/ EMV |
| ETS 0064 | CDN IEC 1000-4-6 | | Keytek/ EMV |
| ETS 0065 | ESD-generator minizap | | Keytek/ EMV |
| ETS 0066 | EM Injection Clamp | | FCC/ EMV |
| ETS 0067 | Calibration Fixture | IEC 801-2031 CF | FCC/ EMV |
| ETS 0068 | CDN IEC 1000-4-6 | CDN | FCC/ EMV |
| ETS 0069 | EM Radiation Monitor | EMR-20 | Wandel & Goltermann |
| ETS 0070 | PC Transfer set EMR-20 | EMR-20 | Wandel & Goltermann |
| ETS 0071 | Video camera system | KMB012 | Kocom |
| ETS 0072 | Interphone system | JS-1400 | Jiuh Sheng |
| ETS 0073 | Audio noise meter | GSM 2 | MKD/ RFT |

| No. | Test equipment | Type | Manufacturer |
|---|---|---|---|
| ETS 0074 | RF millivoltmeter | QRV 2 | MKD/ RFT |
| ETS 0075 | NF generator | GF 22 | Präcitronic |
| ETS 0076 | Feeding bridge A | SBA 1000 | ESP |
| ETS 0077 | Audio/ Video Filter set | AV 55020 | ETS |
| ETS 0078 | LCR meter | SR 720 | SRS |
| ETS 0079 | Functional generator | MX-2020 | Maxcom |
| ETS 0080 | EMI Software | ES-K1 | Rohde & Schwarz |
| ETS 0081 | EMI Software | ES-K10 | Rohde & Schwarz |
| ETS 0082 | PC Novell network system | Novell | Esotronic |
| ETS 0083 | Apple computer system | Performa 630 | Macintosh |
| ETS 0084 | Process controller | PSA 15 | Rohde & Schwarz |
| ETS 0085 | Shielded room | SR 1 | Frankonia |
| ETS 0086 | Anechoic chamber | AC 1 | Frankonia |
| ETS 0087 | Climatic cell | HC 4033 | Heraeus |
| ETS 0088 | Color TV pattern generator | PM 5518-TX VPS | Philips |
| ETS 0089 | Radio communication tester | CMS 54 | Rohde & Schwarz |
| ETS 0090 | DECT type approval CTR06 | TS 8930 | Rohde & Schwarz |
| ETS 0091 | RF signal generator | SME 03 | Rohde & Schwarz |
| ETS 0092 | DM-Coder | SME-B11 | Rohde & Schwarz |
| ETS 0093 | Pulse Modulator | SM-B8 | Rohde & Schwarz |
| ETS 0095 | DECT system controller | PSMD | Rohde & Schwarz |
| ETS 0096 | DECT Signaling unit | PSMD-B11 | Rohde & Schwarz |
| ETS 0097 | Rack, 19", 36 HU | TS 89RA | Rohde & Schwarz |
| ETS 0098 | System engineering and software | CS 893BE | Rohde & Schwarz |
| ETS 0099 | Extension unit for basic version | TS 8930B | Rohde & Schwarz |
| ETS 0100 | RF signal generator | SME-06 | Rohde & Schwarz |
| ETS 0101 | DM-Coder | SME-B11 | Rohde & Schwarz |
| ETS 0102 | Pulse modulator | SM-B8 | Rohde & Schwarz |
| ETS 0103 | Pulse generator | SM-B4 | Rohde & Schwarz |
| ETS 0105 | High power synthesizer/ sweeper | SMP 22 / 02 | Rohde & Schwarz |
| ETS 0106 | Frequency extension | SMP-B11 | Rohde & Schwarz |
| ETS 0107 | RF attenuator for SMP 22 | SMP-B15 | Rohde & Schwarz |
| ETS 0108 | DECT protocol tester TBR 22 | TS 1220 | Rohde & Schwarz |
| ETS 0109 | Process controller | PSM 2 | Rohde & Schwarz |
| ETS 0110 | Real time signaling unit | PSMD-B2 | Rohde & Schwarz |

| No. | Test equipment | Type | Manufacturer |
|---|---|---|---|
| ETS 0111 | PCM Real-time audio interface for PSM | PSMD-B3 | Rohde & Schwarz |
| ETS 0112 | Synthesizer Module | PSMD-B4 | Rohde & Schwarz |
| ETS 0113 | Keyboard | PSA-Z2 | Rohde & Schwarz |
| ETS 0114 | RF step attenuator | RSG | Rohde & Schwarz |
| ETS 0115 | Glide path | | Rohde & Schwarz |
| ETS 0116 | RF Millivoltmeter | URV 55 | Rohde & Schwarz |
| ETS 0117 | Insertion unit | URV-Z2 | Rohde & Schwarz |
| ETS 0118 | Mixer | MFC 1000 | Avcom |
| ETS 0119 | Mixer | MFC 2000 | Avcom |
| ETS 0120 | RF step attenuator | TRI-50-20 | INCO |
| ETS 0121 | Oscilloscope | EO 147A | Serute |
| ETS 0122 | Oscilloscope | 5201 | Dagatron |
| ETS 0123 | RF step attenuator | RBU | Rohde & Schwarz |
| ETS 0124 | Tripod | STA 2 | Rohde & Schwarz |
| ETS 0126 | Uninterruptible power supply | UPS - 1500 | Sendon |
| ETS 0127 | Uninterruptible power supply | UPS - 1000 LC | Sendon |
| ETS 0128 | Uninterruptible power supply | UPS - 1000 | Sendon |
| ETS 0129 | Uninterruptible power supply | UPS - 500 | Sendon |
| ETS 0130 | Uninterruptible power supply | Power saver | Sendon |
| ETS 0131 | Telephone connection box | | Systel |
| ETS 0132 | Frequency doubler | TR-0616 | EMG |
| ETS 0133 | Probe body | P6015 | Tektronix |
| ETS 0134 | Mains filter | MSF | Erika Fiedler |
| ETS 0135 | Measuring switching point | AK 11 | RFT |
| ETS 0136 | Attenuator | 33-6-34 | Weinschel |
| ETS 0137 | Multimeter | YX-360TRA | Mastech |
| ETS 0138 | Multimeter | DT-9410 | Diditec |
| ETS 0139 | Multimeter | ST-9202 | Standard |
| ETS 0140 | High voltage generator | IP 6Wa | TPW |
| ETS 0141 | Sliding bridge | J 573 | RFT |
| ETS 0142 | Impedance converter | TK 11 | RFT |
| ETS 0143 | Impedance converter | TK 12 | RFT |
| ETS 0146 | Active RF probe | ESH2-Z2 | Rohde & Schwarz |
| ETS 0147 | Probe | TK 103 | MEB |
| ETS 0148 | Test TV | 21PT4301/00 | Philips |

| No. | Test equipment | Type | Manufacturer |
|---|---|---|---|
| ETS 0149 | Power divider | ZAPD-21 | MCL |
| ETS 0150 | Switcher | HR07-720 | Wisi |
| ETS 0151 | Interference pulse generator | NSG 500C | Schaffner |
| ETS 0152 | Simulator for Load-Dump-Impulse | NSG 506C (I) | Schaffner |
| ETS 0153 | Simulator for Load-Dump-Impulse | NSG 506C (II) | Schaffner |
| ETS 0154 | Signal generator | SMG | Rohde & Schwarz |
| ETS 0155 | Signal generator | SMG | Rohde & Schwarz |
| ETS 0156 | Adjacent channel power meter | NKS | Rohde & Schwarz |
| ETS 0157 | TV and Sat-signal generator | VTG 700 | Grundig |
| ETS 0158 | TV and Sat signal generator | VTG 700 | Grundig |
| ETS 0159 | Programmable power supply | TOE 8815 | Toellner |
| ETS 0160 | Protective wire and isolation tester | PI 6001 D | SPS electronic |
| ETS 0161 | Filter system / consumer electronic | | Fiedler |
| ETS 0162 | Acoustic chamber | 403-A | IAC |
| ETS 0163 | Test head | BK 4602 | Brüel & Kjær |
| ETS 0164 | Simulator ear | BK 4185 | Brüel & Kjær |
| ETS 0165 | Simulator mouth | BK 4227 | Brüel & Kjær |
| ETS 0166 | Acoustic calibrator | BK 4231 | Brüel & Kjær |
| ETS 0167 | Communication Analysis System | CAS TE I | HEAD acoustics |
| ETS 0168 | Acoustical test for DECT | CTR 10 | HEAD acoustics |
| ETS 0169 | Measurement - Front-end (analogue) | MFE III | HEAD acoustics |
| ETS 0170 | Measurement - Front-end (digital) | MFE IV | HEAD acoustics |
| ETS 0171 | Electronic test cradle | TEH | HEAD acoustics |
| ETS 0172 | Noise generator | HNG III.1 | HEAD acoustics |
| ETS 0173 | Speaker | Canton S Pluss | HEAD acoustics |
| ETS 0174 | Measurement - Front-end line interface | MFE V | HEAD acoustics |
| ETS 0175 | Software line interface (analogue) | COPTZV5 | HEAD acoustics |
| ETS 0176 | Acoustic volt meter | COP 4 | HEAD acoustics |
| ETS 0177 | Feeding bridge B | SBB 1000 | ESP |
| ETS 0178 | Open area test side | 10m | ETS |
| ETS 0180 | Artificial mains | NNB01/RFZ | RFZ |
| ETS 0181 | Test pin for protective wire | PE 156-i | SPS electronic |
| ETS 0182 | Power supply | MX-9300 | Maxcom |
| ETS 0183 | Frequency counter | MX-9300 | Maxcom |

| No. | Test equipment | Type | Manufacturer |
|---|---|---|---|
| ETS 0184 | Function generator | MX-9300 | Maxcom |
| ETS 0185 | Digital multimeter | MX-9300 | Maxcom |
| ETS 0186 | Power supply | DF 1730 | WJG |
| ETS 0187 | Power supply | | TPW/RFT |
| ETS 0189 | Spectrum analyzer | FSEB | Rohde & Schwarz |
| ETS 0190 | Function generator | MX 2020 | Maxcom |
| ETS 0191 | Sweep function generator | 7202 | Dagatron |
| ETS 0192 | Audio generator | 7101 | Dagatron |
| ETS 0193 | Vibration table | N1-201-M | Sandox |
| ETS 0194 | Digital multimeter | PMM 208 | Dagatron |
| ETS 0195 | Thermo hygro recorder | | Amarell |
| ETS 0196 | Digital thermometer | AK-688 | KD |
| ETS 0197 | Digital thermometer | | Prima |
| ETS 0198 | Digital thermometer | ad 170th | ama-digit |
| ETS 0199 | Digital thermometer | ad 31th | ama-digit |
| ETS 0200 | Digital thermometer / hygro meter | ad 90h | ama-digit |
| ETS 0201 | Digital thermometer / hygro meter | 37950-10 | Cole Parmer |
| ETS 0202 | Digital thermometer | ad 15th | ama-digit |
| ETS 0203 | Digital thermometer | Type K | Amarell |
| ETS 0204 | Digital thermometer | ad 20th | ama-digit |
| ETS 0205 | High voltage test generator | HA 3300 D | SPS electronic |
| ETS 0206 | High voltage test accessories | HVGZ 312 | SPS electronic |
| ETS 0207 | Socket outlet torque balance | F 37.13 | PTL |
| ETS 0208 | Unjointed Finger probe | P 10.05 | PTL |
| ETS 0209 | Flexible Finger probe | P 10.01 | PTL |
| ETS 0210 | Spring operated impact hammer | P 22.50 | PTL |
| ETS 0211 | Metallic ball | F 53.32 | PTL |
| ETS 0212 | Hazardous live probe | P 10.06 | PTL |
| ETS 0213 | Hazardous live probe | P 10.11 | PTL |
| ETS 0214 | Ball pressure test apparatus | T 10.02 | PTL |
| ETS 0215 | Glow Wire tester | T 03.14 | PTL |
| ETS 0216 | Force indicator 50N | P 10.31 | PTL |
| ETS 0217 | Millivoltmeter | URV 55 | Rohde & Schwarz |
| ETS 0218 | RF probe | URV5-Z7 | Rohde & Schwarz |
| ETS 0219 | Power sensor | NRV-Z2 | Rohde & Schwarz |

| No. | Test equipment | Type | Manufacturer |
|---|---|---|---|
| ETS 0220 | Insertion unit | URV5-Z4 | Rohde & Schwarz |
| ETS 0221 | ISDN-S0-Analyzer | K1403 | Siemens |
| ETS 0222 | ISDN Protocol Analyzer | TE965 | Tekelec Teleco. |
| ETS 0223 | GSM/ PCN/ PCS-Simul. | TS8915B | Rohde & Schwarz |
| ETS 0224 | GSM System Simulator | FTA | Rohde & Schwarz |
| ETS 0225 | SIM Simulator | | Orga |
| ETS 0226 | SIM Editor | | Orga |
| ETS 0227 | Vibration table | TIRA vib | GenRad |
| ETS 0228 | Climatic chamber | VT 4010 | Vötsch |
| ETS 0229 | Radio commun. tester | CMT 54 | Rohde & Schwarz |
| ETS 0230 | Radio commun. tester | CMD 65 | Rohde & Schwarz |
| ETS 0231 | Test receiver | ESVS 30 | Rohde & Schwarz |
| ETS 0232 | Radiation test source | VSQ 1 | MEB |
| ETS 0233 | Direction coupler | RK 100 | MEB |
| ETS 0234 | Power meter | NRVD | Rohde & Schwarz |
| ETS 0235 | RF network-analyzer | 8752 C | Hewlett Packard |
| ETS 0236 | RF amplifier | 100A100 | Amplifier Research |
| ETS 0237 | RF amplifier | 100W1000M1 | Amplifier Research |
| ETS 0238 | Field strong meter | FM 2000 | Amplifier Research |
| ETS 0239 | Isotr. field probe 40 GHz | FP 2080 Kit | Amplifier Research |
| ETS 0240 | Isotr. field probe 1 GHz | FP 2000 Kit | Amplifier Research |
| ETS 0241 | Pulse Generator | 4050 | PicoSecond PL |
| ETS 0242 | Harmonics analyzer | F 41B | Fluke |
| ETS 0243 | AC-clamp 1000 A | 80i 1000s | Fluke |
| ETS 0244 | Burst generator | EFT 200 | EM-Test |
| ETS 0245 | Load dump generator | LD 200 | EM-Test |
| ETS 0246 | Voltage drop simulator | VDS 200 | EM-Test |
| ETS 0247 | Microsecond generator | MPG 200 | EM-Test |
| ETS 0248 | Switch unit | AN 200 | EM-Test |
| ETS 0249 | Coupling network | CNA 200 | EM-Test |
| ETS 0250 | Coupling clamp | ACC | EM-Test |
| ETS 0252 | System controller | PSM 12 | Rohde & Schwarz |
| ETS 0253 | Spectrum analyzer | FSIQ | Rohde & Schwarz |
| ETS 0254 | RF generator | SMIQ 03 | Rohde & Schwarz |
| ETS 0255 | RF generator | SMIQ 03 | Rohde & Schwarz |

| No. | Test equipment | Type | Manufacturer |
|---|---|---|---|
| ETS 0256 | RF generator | SMP 03 | Rohde & Schwarz |
| ETS 0257 | Step attenuator | RSP | Rohde & Schwarz |
| ETS 0258 | Rubidium standard | RSTU | Rohde & Schwarz |
| ETS 0259 | Power meter | NRVD | Rohde & Schwarz |
| ETS 0260 | Power sensor | NRVD-Z1 | Rohde & Schwarz |
| ETS 0261 | Power sensor | NRVD-Z1 | Rohde & Schwarz |
| ETS 0262 | Switching unit | SSCU | Rohde & Schwarz |
| ETS 0263 | Signaling unit | | Wird |
| ETS 0264 | Spectrum analyzer | F 1048 | HAMEG |
| ETS 0265 | Loop antenna | HFRA 9150 | Schwarzbeck |
| ETS 0267 | RF signal generator | SMT 03 | Rohde & Schwarz |
| ETS 0268 | RF signal generator | SMP 02 | Rohde & Schwarz |
| ETS 0270 | RF signal generator | SMP 04 | Rohde & Schwarz |
| ETS 0271 | Test receiver | ESI 40 | Rohde & Schwarz |
| ETS 0272 | RF signal generator | SME 03 | Rohde & Schwarz |
| ETS 0273 | RF signal generator | SME 03 | Rohde & Schwarz |
| ETS 0274 | RF signal generator | SMY 01 | Rohde & Schwarz |
| ETS 0275 | Power sensor | NRV-Z51 | Rohde & Schwarz |
| ETS 0276 | Audio analyzer | UPL | Rohde & Schwarz |
| ETS 0277 | Power sensor | NRV-Z1 | Rohde & Schwarz |
| ETS 0278 | Power sensor | NRV-Z31 | Rohde & Schwarz |
| ETS 0279 | Step attenuator | RSP | Rohde & Schwarz |
| ETS 0280 | Power meter | NRVD | Rohde & Schwarz |
| ETS 0281 | Spectrum analyzer | FSM | Rohde & Schwarz |
| ETS 0282 | RF bridge | 86207 A | Hewlett Packard |
| ETS 0283 | RF bridge | 86205 A | Hewlett Packard |
| ETS 0284 | Field probe | 11940 A | Hewlett Packard |
| ETS 0285 | Field probe | 11941 A | Hewlett Packard |
| ETS 0286 | Limiter | 11867 A | Hewlett Packard |
| ETS 0287 | Test receiver | ESHS 10 | Rohde & Schwarz |
| ETS 0288 | Artificial mains | ESH2-Z5 | Rohde & Schwarz |
| ETS 0289 | Audio generator | TAG 101 | Troneer |
| ETS 0290 | Audio generator | TAG 101 | Troneer |
| ETS 0291 | Loop antenna | HFH2-Z2 | Rohde & Schwarz |
| ETS 0292 | RF generator | SMHU | Rohde & Schwarz |

| No. | Test equipment | Type | Manufacturer |
|---|---|---|---|
| ETS 0293 | Artificial mains | NNBM 8125 | Schwarzbeck |
| ETS 0294 | Biconical antenna | HK 116 | Rohde & Schwarz |
| ETS 0295 | LPD antenna | HL 223 | Rohde & Schwarz |
| ETS 0296 | Oscilloscope | TDS 520 A | Tektronix |
| ETS 0297 | Power pulse generator | IGUF 2910 | Schwarzbeck |
| ETS 0298 | ICO tester | TS 1232 | Rohde & Schwarz |
| ETS 0299 | DECT protocol tester | TS 1220 | Rohde & Schwarz |
| ETS 0300 | RF amplifier | 75 A 250 | Amplifier Research |
| ETS 0301 | Relay switch unit | RSU | Rohde & Schwarz |
| ETS 0302 | Data line CDN | CM-I/O CD | Keytek |
| ETS 0303 | Telecom line CDN | CM-TEL CD | Keytek |
| ETS 0304 | Test receiver | ESHS 10 | Rohde & Schwarz |
| ETS 0305 | Test receiver | ESVS 10 | Rohde & Schwarz |
| ETS 0306 | Function generator | HP 33120A | Hewlett Packard |
| ETS 0307 | Commu. Sign. Analyzer | CSA 803 A | Tektronix |
| ETS 0308 | Spectrum analyzer | R 3361A | Advantest |
| ETS 0309 | Anechoic chamber | AC 2 | Frankonia |
| ETS 0310 | Anechoic chamber | AC 3 | Frankonia |
| ETS 0311 | Anechoic chamber | AC 4 | Frankonia |
| ETS 0312 | Climatic chamber | VC 0033 | Vötsch |
| ETS 0313 | Power sensor | NRV-Z51 | Rohde & Schwarz |
| ETS 0314 | LPD antenna | HL 223 | Rohde & Schwarz |
| ETS 0315 | Biconical antenna | HK 116 | Rohde & Schwarz |
| ETS 0316 | Switcher | Hr 07-720 | WISI |
| ETS 0317 | Switcher | Hr 07-720 | WISI |
| ETS 0318 | Dial pulse/ DTMF tester | 210 | HE |
| ETS 0319 | Opto link | GPIB 140 | NI |
| ETS 0320 | Opto link | GPIB 140 | NI |
| ETS 0321 | RF millivoltmeter | URV 55 | Rohde & Schwarz |
| ETS 0322 | Insertion unit | URV5-Z4 | Rohde & Schwarz |
| ETS 0323 | DECT portable part | Gigaset 1000 | SIEMENS |
| ETS 0324 | DECT fix part | Gigaset 1000 | SIEMENS |
| ETS 0325 | DECT portable part | | Philipps |
| ETS 0326 | DECT fix part | | Philipps |
| ETS 0327 | Blue Unit | V 2.0 | Nokia |

| No. | Test equipment | Type | Manufacturer |
|---|---|---|---|
| ETS 0328 | BT Protocol tester | PTW 60 | Rohde & Schwarz |
| ETS 0330 | Spectrum analyzer | FSM | Rohde & Schwarz |
| ETS 0333 | turn table | DE 350 | Heinrich Deisel |
| ETS 0334 | Controller | HD 100 | Heinrich Deisel |
| ETS 0335 | BT development kit | CASIRA | CSR |
| ETS 0336 | LPD Antenna | HL 223 | Rohde & Schwarz |
| ETS 0337 | Professional Power Amplifier | SE-1200 | Wharfedale Pro |
| ETS 0338 | Coupling network | KN002 | ETS |
| ETS 0339 | Isolating transformer | KN003 | ETS |
| ETS 0340 | Thermometer | | Proficell |
| ETS 0341 | Thermometer | | Proficell |
| ETS 0342 | Thermometer | | Proficell |
| ETS 0343 | Thermometer | | Proficell |
| ETS 0344 | Thermometer | | Proficell |
| ETS 0345 | Thermometer | | Proficell |
| ETS 0346 | Thermometer | | Proficell |
| ETS 0347 | Current Probe | EZ-17 | R & S |
| ETS 0348 | RF millivoltmeter | URV 55 | R & S |
| ETS 0349 | Insertion unit | URV5-Z4 | R & S |
| ETS 0350 | Horn Antenna | BBHA 9120-C | Schwarzbeck |
| ETS 0351 | RF amplifier | DWT-1857 | Microwave |
| ETS 0352 | | | |
| ETS 0353 | | | |
| ETS 0354 | RF amplifier | DBS-0408N423 | Microwave |
| ETS 0355 | high pass | H03G12G3 | Microwave |
| ETS 0356 | high pass | H03G12G3 | Microwave |
| ETS 0357 | high pass | H08G18G3 | Microwave |
| ETS 0358 | RF amplifier | AFD3-010040-15-ln | MITEQ |
| ETS 0359 | RF amplifier | M/N AM-1331 | MITEQ |
| ETS 0360 | RF amplifier | DBS-0408N423 | Microwave |
| ETS 0361 | RF amplifier | DBS 1826N515 | Microwave |
| ETS 0362 | high pass | H03G12G3 | Microwave |
| ETS 0363 | high pass | H08G18G3 | Microwave |
| ETS 0364 | high pass | H08G18G3 | Microwave |
| ETS 0365 | Notch filter 2.4 GHz | WRCT2.40/248 | Wain Wright |
| ETS 0366 | high pass | H08G18G3 | Microwave |
| ETS 0367 | high pass | H03G12G3 | Microwave |
| ETS 0368 | Notch filter 0.5-1 GHz | BN86883 | Schomandl |
| ETS 0369 | Notch filter 210-500 MHz | BN86882 | Schomandl |
| ETS 0370 | Notch filter 15-90 MHz | BN86880 | Schomandl |
| ETS 0371 | Notch filter 85-250 MHz | BN86881 | Schomandl |

| No. | Test equipment | Type | Manufacturer |
|---|---|---|---|
| ETS 0372 | Direction coupler | RK 100 | MEB |
| ETS 0373 | Direction coupler | DC3001 | emv |
| ETS 0374 | Insertion Unit | URV 5-Z2 | R&S |
| ETS 0375 | RCo network | 8 Ohm | Erika Fiedler |
| ETS 0376 | RCo network | 300 Ohm | Erika Fiedler |
| ETS 0377 | RCo network | 10K Ohm | Erika Fiedler |
| ETS 0378 | RCo network | 10K Ohm | Erika Fiedler |
| ETS 0379 | Terminating resistor | 150 Ohm | Erika Fiedler |
| ETS 0380 | Terminating resistor | 150 Ohm | Erika Fiedler |
| ETS 0381 | RCi network | 100 Ohm | Erika Fiedler |
| ETS 0382 | RCi network | 2.2K Ohm | Erika Fiedler |
| ETS 0383 | RCi network | 1K Ohm | Erika Fiedler |
| ETS 0384 | RCi network | 22K Ohm | Erika Fiedler |
| ETS 0385 | RCi Network | 22K Ohm | Erika Fiedler |
| ETS 0386 | Band pass 0.5-3kHz | nach EN 55020-D.2 | |
| ETS 0387 | Low pass 15 kHz | nach EN 55020-D.1 | |
| ETS 0388 | Low pass 15 kHz | nach EN 55020-D.1 | |
| ETS 0389 | Band pass 0.5-3kHz | nach EN 55020-D.2 | |
| ETS 0390 | Net filter | Mains Filter 'M' | Erika Fiedler |
| ETS 0391 | Assessment network | nach EN 55020-B.3 | |
| ETS 0392 | Matching network | MN 50-150Ohm | Erika Fiedler |
| ETS 0393 | Matching network | MN 50-150Ohm | Erika Fiedler |
| ETS 0394 | RCo network | Loudspeaker Load 8 Ohm | Erika Fiedler |
| ETS 0395 | RCo network | Loudspeaker Load 8 Ohm | Erika Fiedler |
| ETS 0396 | RCo network | Loudspeaker Load 8 Ohm | Erika Fiedler |
| ETS 0397 | RCo network | Phone Load 300 Ohm | Erika Fiedler |
| ETS 0398 | RCo network | Phone Load 300 Ohm | Erika Fiedler |
| ETS 0399 | RCo network | Phone Load 300 Ohm | Erika Fiedler |
| ETS 0400 | RCo network | Audio Adapter | Erika Fiedler |
| ETS 0401 | RCo network | Audio Adapter | Erika Fiedler |
| ETS 0402 | Coupling unit | SR (47K Ohm) | Erika Fiedler |
| ETS 0403 | Coupling unit | SR (47K Ohm) | Erika Fiedler |
| ETS 0404 | Coupling unit | SR (47K Ohm) | Erika Fiedler |
| ETS 0405 | Coupling unit | SR (2.2K Ohm) | Erika Fiedler |
| ETS 0406 | Coupling unit | SR (22K Ohm) | Erika Fiedler |
| ETS 0407 | Coupling network | "M" | Erika Fiedler |
| ETS 0408 | Coupling network | "A" | Erika Fiedler |
| ETS 0409 | Coupling network | "A" | Erika Fiedler |

| No. | Test equipment | Type | Manufacturer |
|---|---|---|---|
| ETS 0410 | Coupling network | "A" | Erika Fiedler |
| ETS 0411 | Coupling network | "L" | Erika Fiedler |
| ETS 0412 | Coupling network | "L" | Erika Fiedler |
| ETS 0413 | Coupling network | "L" | Erika Fiedler |
| ETS 0414 | A/V adapter | Type 2 | Erika Fiedler |
| ETS 0415 | A/V adapter | Type 2 | Erika Fiedler |
| ETS 0416 | A/V adapter | Type 2 | Erika Fiedler |
| ETS 0417 | A/V adapter | Type 3 | Erika Fiedler |
| ETS 0418 | A/V adapter | Type 1 | Erika Fiedler |
| ETS 0419 | A/V adapter | Type 1 | Erika Fiedler |
| ETS 0420 | Amplifier 0.1-1 GHz | M/N AM-1331 | MITEC |
| ETS 0421 | Amplifier 1-4 GHz | AFD3-010040-15-LN | MITEC |
| ETS 0422 | Amplifier 4-8 GHz | DBS-0408N423 | Narda |
| ETS 0423 | Amplifier 8-18 GHz | DWT-18057 | Narda |
| ETS 0424 | Amplifier 18-26.5 GHz | DBS-1826N515 | Narda |
| ETS 0425 | T-network | ESH 3-Z4 | R&S |
| ETS 0426 | CDN | T4 HF | MEB |
| ETS 0427 | Power sensor | NRV-Z6 | R&S |
| ETS 0428 | 4-WIRE ISN with B1 | ENY41 | R&S |
| ETS 0429 | Current probe test jig | SW14 7LY | Chase |
| ETS 0430 | RF signal generator | SML02 | R&S |
| ETS 0431 | AC mains adapter | BS5733 | Travel Emporium |
| ETS 0432 | RF amplifier matrix | RSU-ETS-BT | ETS |
| ETS 0433 | RF amplifier matrix | RSU-ETS-CTR6 | ETS |
| ETS 0434 | Reserved Tre | RSU-ETS-GSM | |
| ETS 0435 | HP-Filter | H1G04G01 | Microwave |
| ETS 0436 | HP-Filter | H1G04G01 | Microwave |
| ETS 0437 | HP-Filter | H0G408G1 | Microwave |
| ETS 0438 | HP-Filter | H0G408G1 | Microwave |
| ETS 0439 | Reserved Tre | | |
| ETS 0440 | Reserved Tre | | |
| ETS 0441 | Bluetooth Protocol Tester | PTW 60 | R & S |
| ETS 0442 | Nokia Tester for Bluetooth 1.1 | DTL - 1 | Nokia |
| ETS 0443 | IBM BT PC Card | BTPCN101 | IBM / Motorola |
| ETS 0444 | Sony BT DUN Modem | BTA- NW 1 | Sony |
| ETS 0445 | RF attenuator 6dB | 50FH-006-300 | JFK |
| ETS 0446 | RF attenuator 30dB | 50FH-030-300 | JFK |
| ETS 0447 | Motor vehicle artificial network | LN-KFZ/200 | R. Heine Hochrequenztechn. |
| ETS 0448 | RF power amplifier | AR 60S1G3 | AR Amplifier Resarch |
| ETS 0449 | Stäubli robot | RX90B L | Stäubli |
| ETS 0450 | Stäubli robot controller | CS/MBs&p | Stäubli |
| ETS 0451 | DASY 4 measurement server | | Schmidt & Partner |
| ETS 0452 | Control pendant | | Stäubli |

| No. | Test equipment | Type | Manufacturer |
|---|---|---|---|
| ETS 0453 | Compaq computer | Pentium IV 2 GHz | Schmidt & Partner |
| ETS 0454 | Dabu acquisition electronics | DAE3V1 | Schmidt & Partner |
| ETS 0455 | Dummy probe | | Schmidt & Partner |
| ETS 0456 | Dosimetric E-field probe | ET3DV6 | Schmidt & Partner |
| ETS 0457 | Dosimetric E-field probe | ET3DV6 | Schmidt & Partner |
| ETS 0458 | Dosimetric H-field probe | H3DV6 | Schmidt & Partner |
| ETS 0459 | System validation kit | D900V2 | Schmidt & Partner |
| ETS 0460 | System validation kit | D1800V2 | Schmidt & Partner |
| ETS 0461 | System validation kit | D1900V2 | Schmidt & Partner |
| ETS 0462 | System validation kit | D2450V2 | Schmidt & Partner |
| ETS 0463 | Probe alignment unit | LBV2 | Schmidt & Partner |
| ETS 0464 | SAM twin phantom | V4.0 | |
| ETS 0465 | Mounting device | V 3.1 | |
| ETS 0466 | Directional coupler | HP 87300B | |
| ETS 0467 | Universal radio communication t | CMU 200 | R & S |
| ETS 0468 | | | |
| ETS 0469 | Dielectric probe kit | 85070C | Agilent |
| ETS 0470 | Amplifier | AM-1300-1103 | MITEQ |
| ETS 0471 | | | |
| ETS 0472 | Antenna | BTA-H | Frankonia |
| ETS 0473 | GSM / UMTS system simulator | TS 8950 | R&S |
| ETS 0474 | EMI test receiver | ESCS30 | R&S |
| ETS 0475 | Amplifier | AFS4-00101800-U | MITEQ |
| ETS 0476 | Test receiver | ESCS 30 | R&S |
| ETS 0477 | GPS system (active GPS antenna) | 4490 | HOPF |
| ETS 0478 | Crystal filter | MQF 127.50-2400/F | Vectron International |
| ETS 0479 | | | |
| ETS 0480 | Validation dipole | DB 3 | EMCO |
| ETS 0481 | 40GHz standard gain horn with amplifier | 22240-25 CBL26402075 | Flann Microwave |
| ETS 0482 | 40GHz high gain antenna | AT4560 | Amplifier research |
| ETS 0483 | Amplifier | AFD3010040-15-LN | Miteq |
| ETS 0484 | | | |

## 2.4 General Test Procedure

POWER LINE CONDUCTED INTERFERENCE: The procedure used was ANSI STANDARD C63.4-2003 5.2 using a 50µH LISN (if necessary). Both lines were observed. The bandwidth of the spectrum analyzer was 10 kHz with an appropriate sweep speed.

RADIATION INTERFERENCE: The test procedure used was ANSI STANDARD C63.4-2003 6.4 using a spectrum analyzer. The resolution bandwidth of the spectrum analyzer was 100 kHz for measurements below 1 GHz and RBW 1 MHz was used above 1 GHz. The analyzer was calibrated in dB above a microvolt at the output of the antenna. The ambient temperature of the UUT was °C with a humidity of 40 %.

FORMULA OF CONVERSION FACTORS: The Field Strength at 3m was established by adding the meter reading of the spectrum analyzer (which is set to read in units of dBµV) to the antenna correction factor supplied by the antenna manufacturer. The antenna correction factors are stated in terms of dB.

Example:

| Freq (MHz) | METER READING + ACF + CABLE LOSS (to the receiver) = FS |
|---|---|
| 33 | 20 dBµV + 10.36 dB + 6 dB = 36.36 dBµV/m @3m |

ANSI STANDARD C63.4-2003 6.2.1 MEASUREMENT PROCEDURES: The UUT was placed on a table 80 cm high and with dimensions of 1m by 1.5m (non metallic table). The UUT was placed in the center of the table. The table used for radiated measurements is capable of continuous rotation. The spectrum was scanned from 30 MHz to $10^{th}$ harmonic of the fundamental.

Peak readings were taken in three (3) orthogonal planes and the highest readings.
Measurements were made by ETS Dr. Genz GmbH at the registered open field test site located at Storkower Str. 38c, 15526 Reichenwalde, Germany.

When an emission was found, the table was rotated to produce the maximum signal strength. At this point, the antenna was raised and lowered from 1m to 4m. The antenna was placed in both the horizontal and vertical planes.

ANTENNA & GROUND:
Both of the Handset and Base unit use internal antennas. There is no provision for an external antenna (see photo).

# 3 Test results (enclosure)

| TEST CASE | Required | Test passed | Test failed |
|---|---|---|---|
| Output Power (Field Strength) § 15.249(a) | ☒ | ☒ | ☐ |
| Spurious Emissions radiated - Transmitter operating § 15.249 (d)(e) | ☒ | ☒ | ☐ |
| Spurious Emissions conducted - Transmitter operating 15.249 (d)(e) | ☐ | ☐ | ☐ |
| Out of Band Spourious Emission, Bandedge-Transmitter operating §15.249 (d)(e) | ☐ | ☐ | ☐ |
| Conducted Measurement at (AC) Power Line § 15.207 | ☐ | ☐ | ☐ |

### 3.1 Output Power (Field Strength) FCC § 15.249 (a)

This measurement applies to equipment with an integral antenna and to equipment with an antenna connector and equipped with an antenna as declared by the applicant.

**Limits:**

| Fundamental Frequency | Field Strength of Fundamental (millivolts/meter) | Field Strength of Harmonics (microvolts/meter) |
|---|---|---|
| 902 928 MHz | 50 | 500 |
| 2400 – 2483.5 MHz | 50 | 500 |
| 5725 – 5875 MHz | 50 | 500 |
| 24.0 – 24.25 GHz | 250 | 2500 |

The power was measured with modulation (declared by the applicant).

| Test Conditions $T_{nom}$= C°, $V_{nom}$ = V | Field strenght of fundamental | Field strenght of harmonics |
|---|---|---|
| Frequency [MHz] | [dBµV/m] | |
| 914.91 | 91.31 | -- |
| Measurement uncertainty | <3dB | |

Test equipment used: ETS 0125, ETS 0340
Remark: See attached diagrams.

### 3.1.2 De facto equivalent isotropic radiated power

Because using an permanent antenna there are no deviations from the radiated test results according 3.1.

### 3.1.3 Transmitter

At the transmitter the measurement was transacted with the modulation declared by the manufacturer and the maximum available output power of the EUT.

## 3.2 RF Exposure Compliance Requirements

Not applicable for this cordless phone for the low power level.

## 3.3 Radiated Emissions; FCC § 15.249 (d)(e)

### 3.3.1 Out of Band Radiated Emissions

FCC Rule: 15.249(d)(e) , 15.35(b)
Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.
For frequencies above 1000 MHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

**Limits:**

| Frequency of Emission (MHz) | Field strength (microvolts/meter) | Field Strength (dB microvolts/meter) |
|---|---|---|
| 30 – 88 | 100 | 40.0 |
| 88 – 216 | 150 | 43.5 |
| 216 – 960 | 200 | 46.0 |
| Above 960 | 500 | 54.0 |

For frequencies above 1GHz (Peak measurements).

Limit + 20dB
54.0dBµV/m + 20 dB= 74 dBµV/m or

Must be antenuatted at least 50dB below the level of fundamental emission

Test equipment used: ETS 0125, ETS 0271

Remarks: See attached diagrams.

### 3.3.2 Spurious emissions (tx) FCC § 15.249(d)(e); 15.35(b)

Spurious emission was measured with modulation (declared by manufacturer).

SAMPLE CALCULATION OF LIMIT. All results will be updated by an automatic measuring system in accordance with point 2.3.

The peak and average spurious emission plots was measured with the average limits.
The critical peak value listed in the table agree with the above calculated limits.

**Summary table with radiated data of the test plots**

**Base Unit**

| Freq. | Frequency Marker [GHz] | Polarization | Max. Field Strength [dBµV/m] | Compliance Limit [dBµV/m] | Detector | BW [MHz] | Margin [dB] |
|---|---|---|---|---|---|---|---|
| 3 | 2.731 | V | 49.88 | 74.00 | P | **1** | -24.12 |
| 3 | 2.731 | H | 52.36 | 74.00 | P | **1** | -21.64 |

Freq. – Frequency Range:

1: – 30 – 200 MHz
2: – 200 – 1000 MHz
3: – 1 – 4 GHz
4: – 4 – 8 GHz
5: – 8 – 12 GHz
6: – 12 – 17 GHz
7: – 17 – 26.5 GHz

**TEST RESULT (Transmitter):** The unit DOES meet the FCC requirements.

Test equipment used: ETS 0125, ETS 0340, ETS 0271

Remark: see attached diagrams

### 3.3.3 Radiated Emisions on the bandedge; FCC 15.249(d)(e), 5.35(b)

From the following plots, they show that the fundamental emissions are confined in the specified band and they are at least 50 dB below the carrier level at band edge (902.0 and 928.0 MHz) or below the emission limits in section 15.209. It meets the requirement of section 15.249(d).

Test equipment used: ETS 0125, ETS 0340, ETS 0271

Remark: n.a.

### 3.4 Antenna requirement; FCC § 15.203

In this arrangement the EUT fulfils the requirements of the FCC rules § 15.203 subpart c. This unit uses permanent antenna. There is no provision for an external antenna (see photo).

## 3.5 Conducted Measurement at (AC) Power Line; FCC § 15.207

For an intentional radiator which is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the table bellows with this provision shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminals.

This measurement was transact first with instrumentation using an average and peak detector and a 10 kHz bandwidth. If the peak detector achieves a calculated level, the measurement is repeated by an instrumentation using a quasi-peak detector.

| Frequency | Level | |
|---|---|---|
| | quasi-peak | average |
| 150kHz | Lower limit line | Lower limit line |

**Limits:**

| Frequency of Emission (MHz) | Conducted Limit (dBµV) | |
|---|---|---|
| | Quasi Peak | Average |
| 0.15-0.5 | 66 to 56 | 56 to 46 |
| 0.5-5 | 56 | 46 |
| 5-30 | 60 | 50 |

**Test is not required. The sample is using a battery.**

Test equipment used: ETS 0003, ETS 0040, ETS 0109, ETS 0125

Remark: see attached diagrams

# Appendix

A Pictures
B Fundamental Field Strength
C Harmonics and Spurious Emissions radiated - Transmitter operating
D Out of band Spurious Emissions, Bandedge - Transmitter operating
E Conducted Measurement at (AC) Power Line