

# Specification . . . . .

## 1. REFERENCE SPECIFITION

- ⇒ *Designed to conform to RF regulations FCC PART 68. PART 15. EIA 470.*
- ⇒ *Designed to conform to SAFETY regulations UL*
- ⇒ *POWER : 9V DC 300mA CLASS 2 TRANSFORMER WALL ADAPTOR PROVIDED*
- ⇒ *INTERCONNECTION : MODULAR JACK CORD*  
*: DC JACK CORD PROVIDED*
- ⇒ *FCC PART 68 HEARING AID COMPLIANCE (12 dB spread )*
- ⇒ *MICROPHONE NOMINAL GAIN RANGE : 30 dB*
- ⇒ *HAND SET VOLUME CONTROL RANGE : 12 dB*

## 2. GENERAL SPECIFICATION

- ⇒ *FREQUENCY BANDWIDTH : 2403 ~ 2475MHz BAND WIDTH*
- ⇒ *NUMBER OF CHANNEL : 40 CHANNELS*
- ⇒ *CHANNEL SPACE : 1.8 MHz*
- ⇒ *SPEECH CODER : 32Kbps ADPCM with parity*
- ⇒ *TYPE OF MODULATION : DBPSK SS MODULATION / DEMODULATION*
- ⇒ *PROCESSING GAIN : 11dB*
- ⇒ *DATA RATE : 80Kbps Time Division Duplex*
- ⇒ *FRAME TIME : 1ms Transmit / 1ms Receive*
- ⇒ *SAMPLE RATE : 1.92M SAMPLES/S ( 2 SAMPLES / CHIP )*
- ⇒ *TX POWER LEVELS : 100mW, 10mW, 1mW*
- ⇒ *RECEIVER SENSITIVITY : -104dBm, -84dBm*
- ⇒ *ADDDITIONAL SECURITY : 2<sup>24</sup> SECURITY CODES*
- ⇒ *STANBY TIME : 20 days*
- ⇒ *TALK TIME : 4 hours*
- ⇒ *BATTERY CAPACITY : 3.6 V DC/550mAh (1.2V x 3)*

## 3. TELEPHONE SPECIFICATION

- ⇒ *OFF - HOOK RESISTANCE : Max 300ohm (on 20mA LOOP CONDITION)*
- ⇒ *ON - HOOK IMPEDANCE : Min 15Kohm ( FREQ. 16Hz ~ 68Hz )*
- ⇒ *RETURN LOSS : Min 11dB*
- ⇒ *FLASH TIME : 620ms +/- 10ms*
- ⇒ *DTMF LEVEL : High > -5.5 dB*  
*: Low > -7.5 dB*
- ⇒ *TRANSMISSION : TX -53 dB ≤ TOLR ≤ -40 dB*  
*RX 41 dB ≤ ROLR ≤ 51 dB*  
*ST 3 dB ≤ SOLR ≤ 99.9 dB*



ONUS TELECOM, INC.  
FCC ID : OU3IBM3920  
JOB # : 244AK1-1

EXHIBIT # : 25A

⇒ BREAK RADIO : 2 : 3  
 ⇒ PULSE SPEED : 10 PPS  
 ⇒ REDIAL : 32 DIGITS  
 ⇒ MEMORY : 16 DIGITS X 20 LOCATIONS  
 ⇒ PAUSE : @ 3.0sec ( REDIAL BUTTON )

**4. RF SPECIFICATION**

⇒ POWER LINE CONDUCTED EMISSIONS : SECTION 15.207 PASSED  
 (CLASS B REQUIREMENT)  
 ⇒ BANDWIDTH : SECTION 15.247(a) PASSED  
 ( 700KHz > 500KHz )  
 ⇒ POWER OUTPUT : SECTION 15.247(b) PASSED  
 ( MAX 20dBm < 30dBm )  
 ⇒ SPURIOUS EMISSIONS(CONDUCTED) : SECTION 15.247(c) PASSED  
 AT BAND EDGES : 25.3dBc < 20dBc  
 ⇒ SPURIOUS EMISSIONS(RADIATED) : SECTION 15.247(c) PASSED  
 PER SEC 15.209(30 - 960MHz) UP TO 10<sup>th</sup> HARMONICS  
 ⇒ POWER SPECTRAL DENSITY : SECTION 15.247(d) PASSED  
 (5.47dBm < 8dBm )  
 ⇒ PROCESSING GAIN : SECTION 15.247(e) PASSED  
 (11.2dB > 10dB )

**5. CALLER ID SPECIFICATION**

o DESIGNED TO CONFORM TO CALLER ID SPECIFICATIONS BELLCORE

GR-30-CORE: LSSGR Voice band Data transmission Interface

SR-TSV-002476: CPE COMPATIBILITY CONSIDERATIONS for the VOICEBAND DATA  
 TRANSMISSION INTERFACE

TR-NWT-001273: Generic Requirements for an SPCS to Customer Premises Equipment Data  
 Interface for Analog Display Services

TR-NWT-000030: Voice band Data Transmission Interface Generic Requirements

TR-NWT-000031: CLASS Feature : Calling Number Delivery

TIA/EIA-777: Type 2 Caller Identity Equipment Performance Requirements

TIA/EIA-716: Type1 Caller ID Equipment Performance Requirements

TR-NWT-001188: CLASS Feature : Calling Name Delivery Generic Requirements

TR-NWT-000575: Calling Identity Delivery on Call waiting

TR-NWT-001401: Visual Message Waiting Indicator Generic Requirements

SR-002726: Classes of customer Premises Equipment


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