

849 NW STATE ROAD 45

NEWBERRY, FL 32669 USA

PH: 888.472.2424 OR 352.472.5500

FAX: 352.472.2030

EMAIL: linfo@timcoengr.com
HTTP://WWW.TIMCOENGR.COM

FCC PART 90 AND IC RSS-119, RSS-GEN TEST REPORT

| | TELTRONIC, S.A.U | | |
|----------------------|---------------------------------|--|--|
| APPLICANT | Poligono Malpica Calle F | | |
| | Parcela 12 ZARAGOZA 50057 Spain | | |
| FCC ID | WT7PTRNKTBSR75450 | | |
| IC CERTIFICATION | IC: 8624A-PTRKT450 | | |
| MODEL NUMBER | BSR75 450-470 MHz | | |
| PRODUCT DESCRIPTION | UHF RADIO | | |
| DATE SAMPLE RECEIVED | 10/27/2009 | | |
| DATE TESTED | 11/17/2009 | | |
| DATE MODIFIED | 10/20/2010 | | |
| TESTED BY | Joe Scoglio | | |
| APPROVED BY | Mario de Aranzeta | | |
| TIMCO REPORT NO. | 2604AT10TestReport.pdf | | |
| TEST RESULTS | ☐ PASS ☐ FAIL | | |

THE ATTACHED REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN APPROVAL OF TIMCO ENGINEERING, INC.





TABLE OF CONTENTS

| ATTESTATIONS | 3 |
|---|------------------|
| TEST ENVIRONMENT AND TEST SETUP | 4 |
| EMC EQUIPMENT LIST | 5 |
| TEST PROCEDURES | 6 |
| Power Line Conducted Interference | 6 |
| RF Power Output | 6 |
| Spurious Emissions at Antenna Terminals (Conducted) | 6 |
| Radiation Interference | 6 |
| Modulation Characteristic | 7 |
| Frequency Stability | 7 |
| Field Strength of Spurious Emissions | 7 |
| Transient Frequency Behavior | 8 |
| RF POWER OUTPUT | 9 |
| MODULATION CHARACTERISTICS Error! Bookma | ark not defined. |
| AUDIO FREQUENCY RESPONSE | 11 |
| OCCUPIED BANDWIDTH | 12 |
| SPURIOUS EMISSIONS AT ANTENNA TERMINALS (CONDUCTED) | 15 |
| FIELD STRENGTH OF SPURIOUS EMISSIONS | 16 |
| RECEIVER RADIATED SPURIOUS EMISSIONS | 17 |
| FREQUENCY STABILITY | 18 |
| TRANSIENT FREOUENCY BEHAVIOR | 19 |

Applicant: TELTRONIC, S.A.U FCC ID: WT7PTRNKTBSR754

WT7PTRNKTBSR75450, IC: IC: 8624A-PTRKT450

T\TELTRONIC S.A.U\2604AT10\2604AT10TestReport.doc Page 2 of 20 Report:



ATTESTATIONS

This equipment has been tested in accordance with the standards identified in this test report. To the best of my knowledge and belief, these tests were performed using the measurement procedures described in this report.

All instrumentation and accessories used to test products for compliance to the indicated standards are calibrated regularly in accordance with ISO 17025:2005 requirements.



I attest that the necessary measurements were made, under my supervision, at:

Timco Engineering Inc. 849 NW State Road 45 Newberry, Fl 32669

Authorized Signatory Name:

Mario de Aranzeta C.E.T. Compliance Engineer/ Lab. Supervisor

Date: October 20, 2010

Applicant: TELTRONIC, S.A.U

FCC ID: WT7PTRNKTBSR75450, IC: IC: 8624A-PTRKT450

Report: T\TELTRONIC S.A.U\2604AT10\2604AT10TestReport.doc Page 3 of 20



DUT SPECIFICATION

| DUT Description | UHF RADIO | | |
|---------------------|--------------------------------|--|--|
| FCC ID | WT7PTRNKTBSR75450 | | |
| IC Certification | IC: 8624A-PTRKT450 | | |
| Model Number | BSR75 450 - 470 MHz | | |
| Serial Number | N/A | | |
| Operating Frequency | TX: 450 – 470 MHz, Rx: | | |
| Test Frequencies | 450 MHz, 460 MHz, 470 MHz | | |
| Type of Emission | Digital | | |
| Modulation | π/4-DQPSK | | |
| | ☐ 110-120Vac/50- 60Hz | | |
| DUT Power Source | ☐ DC Power 26.4V | | |
| | ☐ Battery Operated Exclusively | | |
| | ☐ Prototype | | |
| Test Item | ☐ Pre-Production | | |
| | ☐ Production | | |
| | ⊠ Fixed | | |
| Type of Equipment | Mobile | | |
| | ☐ Portable | | |

TEST ENVIRONMENT AND TEST SETUP

| Test Facility | All tests were conducted by Timco Engineering Inc. located at 849 NW State Road 45, Newberry, FL 32669 USA |
|-------------------------------|---|
| Laboratory Test Condition | Temperature: 26°C Relative humidity: 50%. |
| Deviation from the standards | No deviation |
| Modification to the DUT | No modification was made. |
| Test Exercise (software etc.) | The DUT was placed in continuous transmitting mode of operation. |
| System Setup | Stand alone device. |

Applicant: TELTRONIC, S.A.U FCC ID: WT7PTRNKTBSR754 WT7PTRNKTBSR75450, IC: IC: 8624A-PTRKT450

T\TELTRONIC S.A.U\2604AT10\2604AT10TestReport.doc Page 4 of 20 Report:



EMC EQUIPMENT LIST

| Device | Manufacturer | Model | Serial Number | Cal/Char Date | Due Date |
|--|--------------------------------|------------------|--------------------------|------------------|----------|
| Analyzer Tan Tower Spectrum Analyzer | HP | 8566B Opt 462 | 3138A07786 3144A20661 | CAL 12/7/07 | 12/7/09 |
| Analyzer Tan Tower RF Preselector | НР | 85685A | 3221A01400 | CAL 12/7/07 | 12/7/09 |
| Analyzer Tan Tower Quasi-Peak Adapter | НР | 85650A | 3303A01690 | CAL 12/8/07 | 12/8/09 |
| Analyzer Tan Tower Preamplifier | НР | 8449B- H02 | 3008A00372 | CAL 12/8/07 | 12/8/09 |
| Antenna: Biconnical | Electro-Metrics | BIA-25 | 1171 | CAL 4/29/09 | 4/29/11 |
| Antenna: Double- Ridged Horn | Electro-Metrics | RGA-180 | 2319 | CAL 12/29/08 | 12/29/10 |
| Termaline Wattmeter | Bird Electronic Corporation | 611 | 16405 | CAL 7/16/09 | 7/16/11 |

Applicant: TELTRONIC, S.A.U FCC ID: WT7PTRNKTBSR754 WT7PTRNKTBSR75450, IC: IC: 8624A-PTRKT450

Report: T\TELTRONIC S.A.U\2604AT10\2604AT10TestReport.doc Page 5 of 20



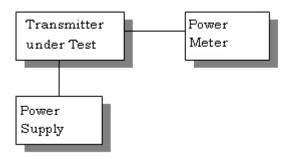
TEST PROCEDURES

Power Line Conducted Interference

The procedure used was ANSI 63.4-2003 using a 50uH LISN. Both lines were observed with the DUT transmitting. The bandwidth of the spectrum analyzer was 10 kHz with an appropriate sweep speed.

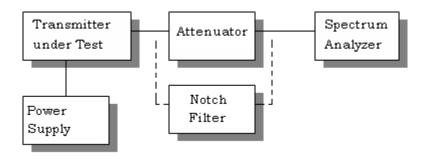
RF Power Output

The RF power output was measured at the antenna feed point using a peak power meter. A 50-ohm, resistive wattmeter was connected to the RF output connector. With a nominal battery voltage or supply voltage, and the transmitter properly adjusted the RF output measures:



Spurious Emissions at Antenna Terminals (Conducted)

The carrier was modulated 100%. The spectrum was scanned from 0.4 to at least the 10th harmonic of the fundamental. Above 1 GHz the resolution bandwidth was 1 MHz and the VBW = 3 MHz and the span to 50 MHz. The measurements were made in accordance with standard ANSI/TIA-603-C: 2004



Radiation Interference

The test procedure used was ANSI/TIA-603-C: 2004 and ANSI C63.4-2003 using an Agilent spectrum receiver with pre-selector. The bandwidth (RBW) of the spectrum receiver was 100 kHz up to 1 GHz and 1 MHz above 1 GHz with an appropriate sweep speed. The VBW above 1 GHz was 3 MHz. The analyzer was calibrated in dB above a microvolt at the output of the antenna.

Applicant: TELTRONIC, S.A.U

FCC ID: WT7PTRNKTBSR75450, IC: IC: 8624A-PTRKT450

Report: T\TELTRONIC S.A.U\2604AT10\2604AT10TestReport.doc Page 6 of 20



Modulation Characteristic

Audio frequency response

The audio frequency response was measured in accordance with ANSI/TIA 603-C: 2004. A curve or equivalent data showing the frequency response of the audio modulating circuit over a range of 100 – 5000Hz shall be submitted. The audio frequency response curve is shown below.

Audio Low Pass Filter

The audio low pass filter for voice-modulated equipment was measured in accordance with ANSI/TIA 603-C: 2004. For equipment required to have an audio low-pass filter, a curve showing the frequency response of the filter, or of all the circuitry installed between the modulation limiter and the modulated stage shall be submitted.

Audio Input versus modulation

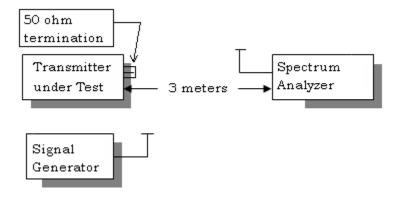
The audio input level needed for a particular percentage of modulation was measured in accordance with ANSI/TIA 603-C: 2004. Curves are provided for audio input frequencies of 300, 1000, and 3000 Hz.

Frequency Stability

The frequency stability was measured per ANSI/TIA 603-C: 2004.

Field Strength of Spurious Emissions

The spectrum was scanned from 30 MHz to at least the tenth harmonic of the fundamental. This test was conducted per ANSI/TIA 603-C: 2004 using the substitution method.



Applicant: TELTRONIC, S.A.U

FCC ID: WT7PTRNKTBSR75450, IC: IC: 8624A-PTRKT450

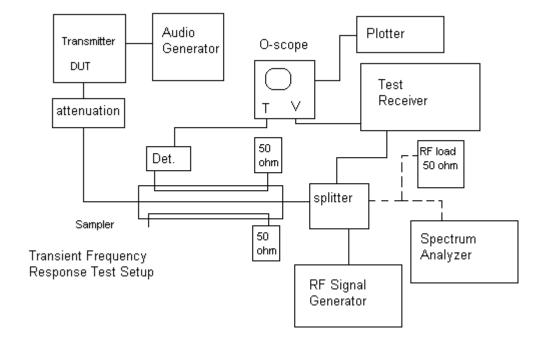
Report: T\TELTRONIC S.A.U\2604AT10\2604AT10TestReport.doc Page 7 of 20



Transient Frequency Behavior

The test procedure was ANSI/TIA 603-C: 2004 Para 2.2.19.

- Using the variable attenuator. The transmitter level was set to 40 dB below the test receivers maximum input level,
- Then the transmitter was turned off.
- With the transmitter off the signal generator was set 20dB below the level of the transmitter in the above step, this level will be maintained with the signal generator through-out the test.
- Reduce the attenuation between the transmitter and the RF detector by 30 dB.
- With the levels set as above the transient frequency behavior was observed & recorded.



Applicant: TELTRONIC, S.A.U

FCC ID: WT7PTRNKTBSR75450, IC: IC: 8624A-PTRKT450

Report: T\TELTRONIC S.A.U\2604AT10\2604AT10TestReport.doc Page 8 of 20



RF POWER OUTPUT

Rule Part No.: FCC Part 2.1046(a), IC RSS-119 4.1 and 5.4, RSS-GEN 4.8

Test Requirements: FCC Part 2.1046(a), IC RSS-119 4.1 and 5.4, RSS-GEN 4.8

Test Data:

OUTPUT POWER: HIGH - 75 Watts

Part 2.1033 (C)(8) DC Input into the final amplifier

FOR HIGH POWER SETTING INPUT POWER: (26.4V)(14.0A) = 369.6 Watts

Applicant: TELTRONIC, S.A.U

FCC ID: WT7PTRNKTBSR75450, IC: IC: 8624A-PTRKT450

Report: T\TELTRONIC S.A.U\2604AT10\2604AT10TestReport.doc Page 9 of 20



MODULATION CHARACTERISTICS

Part 2.1033(c)

Part 2.1033(c) (4) Type of Emission: 20K0D7W, 20K0D7E, and 20K0D7D

FCC Part 90.209, FCC Part 90.207

The modulation is a $\pi/4$ DQPSK digital modulation scheme that in compasses both voice and data in the same transmission.

Applicant: TELTRONIC, S.A.U

FCC ID: WT7PTRNKTBSR75450, IC: IC: 8624A-PTRKT450

Report: T\TELTRONIC S.A.U\2604AT10\2604AT10TestReport.doc Page 10 of 20



AUDIO FREQUENCY RESPONSE

Rule Part No.: Pt 2.1047(a)(b), RSS-119

Test Requirements: Pt 2.1047(a)(b), RSS-110

Test Data: N/A

Data Low Pass Filter

Audio Input Versus Modulation Plot

N/A

Audio Frequency Response Plot

N/A

Applicant: TELTRONIC, S.A.U

FCC ID: WT7PTRNKTBSR75450, IC: IC: 8624A-PTRKT450

Report: T\TELTRONIC S.A.U\2604AT10\2604AT10TestReport.doc Page 11 of 20



OCCUPIED BANDWIDTH

Rule Part No.: Pt 2.1049(c), RSS-GEN 4.6, ANSI/TIA-603-C: 2004 para 2.2.11.

Requirements:

FCC Part 90.210(b) RSS-119 4.2 25kHz Channel Spacing

Data in the plots show that on any frequency removed from the assigned frequency by more than 50%, but not more than 100%: At least 25dB. On any frequency removed from the assigned frequency by more than 100%, but not more than 250%: At least 35 dB. On any frequency removed from the assigned frequency by more than 250%, of the authorized bandwidth: At least 43 + $10\log(P)dB$.

Part 90.210(c) 12.5kHz Channel Spacing Not Equipped with a Low Pass Filter

For transmitters that are not equipped with an audio low pass filter pursuant to S90.211 (b), the power of any emission must be attenuated below the un-modulated carrier output power as follows; (1) On any frequency removed from the center of the authorized bandwidth by a displacement frequency (fd in kHz) of more than 5 kHz but not more than10 kHz: At least 83 log (fd/5) dB; (2) ON any frequency removed from the center of the authorized bandwidth by a displacement frequency (fd in kHz) of more than 10 kHz, but not more than 250% of the authorized bandwidth: At least 29 log(fd2/11)dB or 50 dB, whichever is the lesser attenuation; (3) On any frequency removed from the center of the authorized bandwidth by more than 250% of the authorized bandwidth: At least 43+10 log(Po)dB.

Part 90.210(d) Emission Mask D - 12.5 kHz channel BW equipment

For transmitters designed to operate with a 12.5 kHz channel bandwidth, any emission must be attenuated below the power (P) of the highest emission contained within the authorized bandwidth as follows:

- (1) On any frequency from the center of the authorized bandwidth f0 to 5.625 kHz removed from f0: Zero dB.
- (2) On any frequency from the center of the authorized bandwidth by a displacement frequency (fd in kHz) of more than 5.625 kHz but no more than 12.5 kHz: At least 7.27 (fd 2.88 kHz) dB.
- (3) On any frequency removed from the center of the authorized bandwidth by a displacement frequency (fd in kHz) of more than 12.5 kHz: At least 50 + 10log(P) dB or 70 dB, whichever is the lesser attenuation.

Part 90.210(e) Emission Mask E - 6.25 kHz channel BW equipment

For transmitters designed to operate with a 6.25 kHz bandwidth, any emission must be attenuated below the power (P) of the highest emission contained within the authorized bandwidth as follows:

- (1) On any frequency from the center of the authorized bandwidth f0 to 3.0 kHz removed from f0: Zero dB.
- (2) On any frequency from the center of the authorized bandwidth by a displacement frequency (fd in kHz) of more than 3.0 kHz but no more than 4.6 kHz: At least 30 + 16.67(fd 3.0 kHz) or 55 + 10 Log(P) or 65, whichever us the lesser attenuation.
- (3) On any frequency removed from the center of the authorized bandwidth by more than 4.6kHz: At least 55 + 10log(P) dB or 65 dB, whichever is the lesser attenuation.

Test Data: See the plots below

Applicant: TELTRONIC, S.A.U

FCC ID: WT7PTRNKTBSR75450, IC: IC: 8624A-PTRKT450

Report: T\TELTRONIC S.A.U\2604AT10\2604AT10TestReport.doc Page 12 of 20

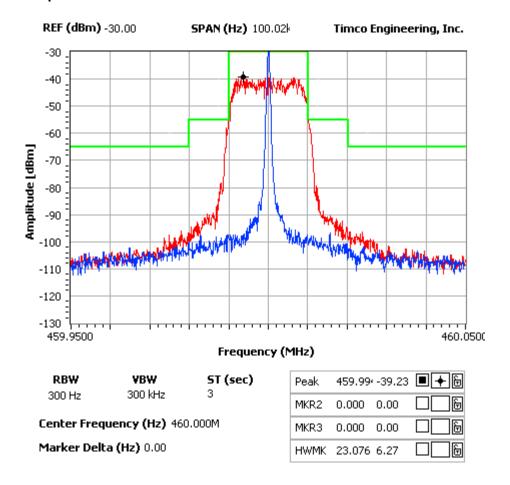


25 kHz Digital

Mask B

NOTES:

occupied bandwidth



Applicant: TELTRONIC, S.A.U

FCC ID: WT7PTRNKTBSR75450, IC: IC: 8624A-PTRKT450

Report: T\TELTRONIC S.A.U\2604AT10\2604AT10TestReport.doc Page 13 of 20

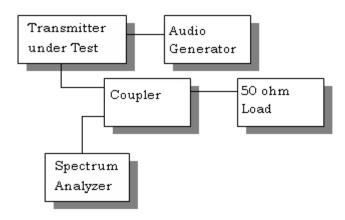


OCCUPIED BANDWIDTH MEASUREMENT

Test procedure: ANSI/TIA-603-C:2004 para 2.2.11.

Test Setup Diagram:

OCCUPIED BANDWIDTH MEASUREMENT



Test Data: See the plots below

Applicant: TELTRONIC, S.A.U

FCC ID: WT7PTRNKTBSR75450, IC: IC: 8624A-PTRKT450

Report: T\TELTRONIC S.A.U\2604AT10\2604AT10TestReport.doc Page 14 of 20



SPURIOUS EMISSIONS AT ANTENNA TERMINALS (CONDUCTED)

Rule Part No.: FCC Part 2.1051(a), RSS-GEN 7.1.4

Requirements: 25kHz Channel Spacing

 $43 + 10\log(p) = 43 + 10\log(0) = 65 \, dBc$

Test Data:

| TF | EF | dB below carrier | TF | EF | dB below carrier | TF | EF | dB below carrier |
|-----|------|---------------------|-----|------|---------------------|-----|------|---------------------|
| 450 | 450 | 0 | 460 | 460 | 0 | 470 | 470 | 0 |
| | 900 | 93.1 | | 920 | 92.1 | | 940 | 93.4 |
| | 1350 | 95.8 | | 1380 | 89.6 | | 1410 | 67.2 |
| | 1800 | 101.4 | | 1840 | 99.2 | | 1880 | 100.6 |
| | 2250 | 94.5 | | 2300 | 98.5 | | 2350 | 93.6 |
| | 2700 | 106.9 | | 2760 | 105.1 | | 2820 | 113.8 |
| | 3150 | 104.3 | | 3220 | 100.5 | | 3290 | 107.5 |
| | 3600 | 117.2 | | 3680 | 110.5 | | 3760 | 115.3 |
| | 4050 | 109 | | 4140 | 112.1 | | 4230 | 117 |
| | 4500 | 118.3 | | 4600 | 116.5 | | 4700 | 119.7 |

Applicant: TELTRONIC, S.A.U

FCC ID: WT7PTRNKTBSR75450, IC: IC: 8624A-PTRKT450

Report: T\TELTRONIC S.A.U\2604AT10\2604AT10TestReport.doc Page 15 of 20



FIELD STRENGTH OF SPURIOUS EMISSIONS

Rule Parts. No.: FCC Part 2.1053, RSS-GEN 4.9

Requirements: 25kHz Channel Spacing:

 $43 + 10\log(p) = 43 + 10\log(0) = 65 \text{ dBc}$

Test Data:

| | | Ant | dB | | | Ant | dB | | | Ant | dB |
|-----|---------|----------|---------|-----|---------|----------|---------|-----|---------|----------|---------|
| | | Polarity | below | | | Polarity | below | | | Polarity | below |
| TF | EF | V/H | carrier | TF | EF | V/H | carrier | TF | EF | V/H | carrier |
| 450 | 450.00 | V | 0 | 460 | 460.00 | V | 0 | 470 | 470.00 | V | 0 |
| | 900.00 | Н | 113.86 | | 920.00 | Н | 110.98 | | 940.00 | Н | 111.49 |
| | 1350.00 | V | 104.48 | | 1380.00 | V | 110.15 | | 1410.00 | V | 108.30 |
| | 1800.00 | V | 101.72 | | 1840.00 | Н | 102.98 | | 1880.00 | Н | 99.32 |
| | 2250.00 | Н | 109.84 | | 2300.00 | Н | 110.58 | | 2350.00 | V | 106.32 |
| | 2700.00 | Н | 106.35 | | 2760.00 | V | 101.59 | | 2820.00 | V | 98.92 |
| | 3150.00 | V | 103.87 | | 3220.00 | V | 96.20 | | 3290.00 | V | 97.23 |
| | 3600.00 | Н | 102.44 | | 3680.00 | Н | 104.52 | | 3760.00 | Н | 104.79 |
| | 4050.00 | Н | 105.78 | | 4140.00 | Н | 106.16 | | 4230.00 | Н | 99.74 |
| | 4500.00 | V | 106.21 | | 4600.00 | V | 106.73 | | 4700.00 | V | 107.24 |

Applicant: TELTRONIC, S.A.U

FCC ID: WT7PTRNKTBSR75450, IC: IC: 8624A-PTRKT450

Report: T\TELTRONIC S.A.U\2604AT10\2604AT10TestReport.doc Page 16 of 20



RECEIVER RADIATED SPURIOUS EMISSIONS

Rule Parts. No.: FCC Part 15.109, RSS-GEN 4.10, 6

Requirements: 30-88 MHz $40.0 \text{ dB}\mu\text{V/m}$ measured at 3 meters

 $\begin{array}{cccc} 88\text{-}216 \text{ MHz} & 43.5 \text{ dB}\mu\text{V/m} \\ 216\text{-}960 \text{ MHz} & 46.0 \text{ dB}\mu\text{V/m} \\ \text{ABOVE 960 MHz} & 54.0 \text{ dB}\mu\text{V/m} \end{array}$

Test Data:

| Tuned | Emission | Meter | Ant. | Coax | Correction | Field | |
|-----------|-----------|---------|----------|------|------------|----------|--------|
| Frequency | Frequency | Reading | Polarity | Loss | Factor | Strength | Margin |
| MHz | MHz | dΒμV | V/H | dB/m | dB/m | dΒμV/m | dB |
| 450.0 | 405.00 | 11.8 | V | 1.21 | 15.80 | 28.81 | 17.20 |
| 450.0 | 405.00 | 16.4 | Н | 1.21 | 16.15 | 33.76 | 12.25 |
| 450.0 | 810.00 | 3.8 | V | 1.91 | 21.10 | 26.81 | 19.20 |
| 450.0 | 810.00 | 4.9 | Н | 1.91 | 21.70 | 28.51 | 17.50 |
| 460.0 | 415.00 | 13.3 | V | 1.22 | 15.95 | 30.47 | 15.54 |
| 460.0 | 415.00 | 21.4 | Н | 1.22 | 16.20 | 38.82 | 7.18 |
| 460.0 | 830.00 | 2.7 | V | 1.92 | 21.40 | 26.02 | 19.99 |
| 460.0 | 830.00 | 3.5 | Н | 1.92 | 22.10 | 27.52 | 18.49 |
| 470.0 | 425.00 | 13.5 | V | 1.23 | 16.05 | 30.78 | 15.23 |
| 470.0 | 425.00 | 19.0 | Н | 1.23 | 16.35 | 36.58 | 9.42 |
| 470.0 | 850.00 | 1.5 | V | 1.93 | 22.10 | 25.53 | 20.48 |
| 470.0 | 850.00 | 2.0 | Н | 1.93 | 22.60 | 26.53 | 19.48 |

Applicant: TELTRONIC, S.A.U

FCC ID: WT7PTRNKTBSR75450, IC: IC: 8624A-PTRKT450

Report: T\TELTRONIC S.A.U\2604AT10\2604AT10TestReport.doc Page 17 of 20



FREQUENCY STABILITY

Rule Parts. No.: FCC Part 2.1055, Part 90.213, RSS-119 5.3, RSS-GEN 7.2.4

Requirements: Temperature range requirements: -30 to +50° C.

Voltage Variation +, -15%

±1.5 PPM

Test Data:

| Assigned Frequency | 460.00005 | |
|--------------------|------------|---------------------|
| Temperature | Frequency | Frequency Stability |
| (°C) | (MHz) | (PPM) |
| -30 | 460.000051 | 0.00 |
| -20 | 460.000051 | 0.00 |
| -10 | 460.000051 | 0.00 |
| 0 | 460.000050 | 0.00 |
| +10 | 460.000051 | 0.00 |
| +20 | 460.00005 | 0.00 |
| +30 | 460.000051 | 0.00 |
| +40 | 460.000049 | 0.00 |
| +50 | 460.00005 | 0.00 |

| Assigned Frequency | | | | |
|--------------------|---------------------|------|--|--|
| % Battery | Frequency Stability | | | |
| (%) | (%) (MHz) | | | |
| -15% 460.00005 | | 0.00 | | |
| 460.00005 | | | | |
| +15% | 460.00005 | 0.00 | | |

Applicant: TELTRONIC, S.A.U

FCC ID: WT7PTRNKTBSR75450, IC: IC: 8624A-PTRKT450

Report: T\TELTRONIC S.A.U\2604AT10\2604AT10TestReport.doc Page 18 of 20



TRANSIENT FREQUENCY BEHAVIOR

Rule Part No.: FCC Part 2.1055(a)(1), FCC Part 90.214, IC RSS-119 5.8

Requirements: Transmitters designed to operate in the 150-174 MHz and 421-512 MHz frequency bands must maintain transient frequencies within the maximum transient frequencies within the maximum frequency difference limits during the time intervals indicated:

| Time Intervals | Maximum frequency Difference | All Equipment | | |
|-----------------------------|------------------------------|-------------------------|-------------|--|
| | | 150-174 MHz | 421-512 MHz | |
| | Equipment Designed to (| Operate on 25 kHz Chann | nels | |
| t_1^4 | ±25.0 kHz | 5.0 ms | 10.0 ms | |
| t_2 | ±12.5 kHz | 20.0 ms | 25.0 ms | |
| t ₃ ⁴ | ±25.0 kHz | 5.0 ms | 10.0 ms | |
| E | quipment Designed to O | perate on 12.5 kHz Char | nels | |
| t_1^4 | ±12.5 kHz | 5.0 ms | 10.0 ms | |
| t_2 | ±6.25 kHz | 20.0 ms | 25.0 ms | |
| t ₃ ⁴ | ±12.5 kHz | 5.0 ms | 10.0 ms | |
| E | quipment Designed to O | perate on 6.25 kHz Char | inels | |
| t ₁ ⁴ | ±6.25 kHz | 5.0 ms | 10.0 ms | |
| t_2 | ±3.125 kHz | 20.0 ms | 25.0 ms | |
| t ₃ ⁴ | ±6.25 kHz | 5.0 ms | 10.0 ms | |

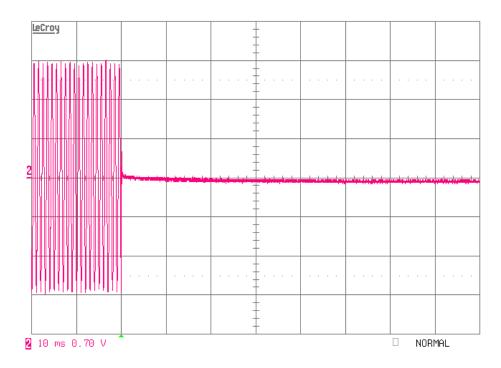
Applicant: TELTRONIC, S.A.U

FCC ID: WT7PTRNKTBSR75450, IC: IC: 8624A-PTRKT450

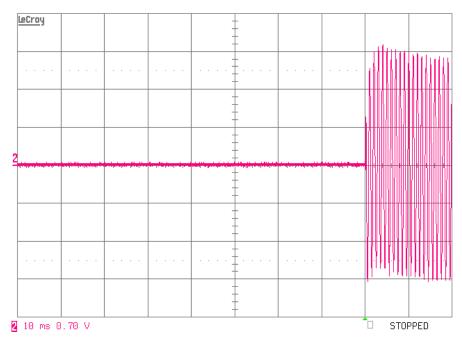
Report: T\TELTRONIC S.A.U\2604AT10\2604AT10TestReport.doc Page 19 of 20



Turn on



Turn off



Applicant: TELTRONIC, S.A.U

FCC ID: WT7PTRNKTBSR75450, IC: IC: 8624A-PTRKT450

Report: T\TELTRONIC S.A.U\2604AT10\2604AT10TestReport.doc Page 20 of 20