

APPENDIX 10

EXEMPLE OF TEST SHEET ON PRE-PRODUCTION ADT (ELT 04.0014 AT +25°C; -20°C; +55°C)

ORIGINAL EN ROUGE

ELTA

CS_ADT_V1.1

DPP/PBA

ELT C/S IDENT = EXC1410

Serial Number = 10012 Track N° 0

15 Feb 2005 11:25:00

Temperature = -20 °C

-RECEIVED MESSAGE-

FFFE2F4E3F86F73A53B90A24DAD0

CRC OK RCV CRC :010001001001101101011 Checked CRC :010001001001101101011

Message type SHORT

Country Code :227 FRANCE

Protocol : USER TEST EXC1410

Homing 121.5MHz

Elapse Time =0 Activation AUTOMATIQUE

Simplified IDENTIFICATION = (227/7/EXC1410/1)

-FREQUENCY 406.028 MHz-

	SPECIFICATIONS	MEASURES
Unmodulated Carrier	160mS +-1.6mS	159.92 mS
Total Transmission Time	440mS +-4.4mS	439.73 mS
Repetition Period	50S +-2.5S	9.788 S (*)
Power output	37dBm+-2dB	37.6 dBm
Transmitted Frequency	406.028MHz+-1KHz	406.027677 MHz
Short term Stability	<=2.E-9	1.1E-10
Bit rate	400Hz+-4Hz	400.7 Hz
Positive phase shift	1.1rd+-1rd	1.1 rd
Negative phase shift	1.1rd+-1rd	1.09 rd
Total phase shift	<=2.4rd	2.19 rd

-FREQUENCY 121.5 MHz-

Frequency	121.50MHz+-6KHz	121.50176 MHz
Peak Power (***)	19 to 24dBm	21 dBm
Modulation Index (AM)	85%<TM<100%	100 %

-FREQUENCY 243.0 MHz-

Frequency	243.00MHz+-12KHz	243.0039 MHz
Peak Power (***)	19 to 24dBm	21.6 dBm
Modulation Index (AM)	85%<TM<100%	100 %

-MODULATION VHF-

Sweep Frequency	2Hz to 4Hz	3.2895 Hz
Maximum Frequency (Audio)	<=1600Hz	1470 Hz
Minimum Frequency (Audio)	>=300Hz	480 Hz
Total Sweep	>=700Hz	990 Hz

-POWER SUPPLY- (**)

Supply Voltage	11 to 27Volts	-.002015 Volts
Current Consumption 121.5MHz	<=110mA	-.00008 mA
Current Consumption 406.028MHz	<=1.5A	-.000047 A

(*) Non Applicable, ELT in short repetition period

(**) Non Applicable, ELT is powered by battery.

(***) 19dBm<Std power AF/AP<22.5dBm 22dBm<Hi power AF/AP<24dBm

(***) 20.2dBm<For AP & S<22.7dBm

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INSPECTION VISA []

ELTA

CS_ADT_V1.1

DPP/PBA

ELT C/S IDENT = EXC141B

Serial Number = 12 Track N° 0

15 Feb 2005 16:05:36

Temperature = 21.4 °C

-RECEIVED MESSAGE-

FFFE2F4E3F86F73A53B30A240AD0

CRC OK RCV CRC : 0100010010011011011 Checked CRC : 0100010010011011011

Message type SHORT

Country Code : 227 FRANCE

Protocol : USER TEST EXC141D

Homing 121.5MHz

Elapse Time = 0 Activation AUTOMATIQUE

Simplified IDENTIFICATION = (227/7/EXC141D/1)

-FREQUENCY 406.028 MHz-

	SPECIFICATIONS	MEASURES
Unmodulated Carrier	150ms $\pm$ 1.6ms	159.9 ms
Total Transmission Time	440ms $\pm$ 4.4ms	439.69 ms
Repetition Period	50S $\pm$ 2.5S	9.988 S (*)
Power output	37dBm $\pm$ 2dB	36.7 dBm
Transmitted Frequency	406.028MHz $\pm$ 1KHz	406.027691 MHz
Short term Stability	$\leq$ 2.E-9	8.77E-11
Bit rate	400Hz $\pm$ 4Hz	400.7 Hz
Positive phase shift	1.1rd $\pm$.1rd	1.09 rd
Negative phase shift	1.1rd $\pm$.1rd	1.08 rd
Total phase shift	$\leq$ 2.4rd	2.17 rd

-FREQUENCY 121.5 MHz-

Frequency	121.50MHz $\pm$ 6KHz	121.5003 MHz
Peak Power (***)	19 to 24dBm	20.5 dBm
Modulation Index (AM)	85% < TM < 100%	100 %

-FREQUENCY 243.0 MHz-

Frequency	243.00MHz $\pm$ 12KHz	243 MHz
Peak Power (***)	19 to 24dBm	21 dBm
Modulation Index (AM)	85% < TM < 100%	100 %

-MODULATION VHF-

Sweep Frequency	2Hz to 4Hz	3.3003 Hz
Maximum Frequency (Audio)	$\leq$ 1600Hz	1470 Hz
Minimum Frequency (Audio)	$\geq$ 300Hz	480 Hz
Total Sweep	$\geq$ 700Hz	990 Hz

-POWER SUPPLY- (**)

Supply Voltage	11 to 27Volts	- .002015 Volts
Current Consumption 121.5MHz	$\leq$ 110mA	- .0182 mA
Current Consumption 406.028MHz	$\leq$ 1.5A	- .000847 A

(*) Non Applicable, ELT in short repetition period

(**) Non Applicable, ELT is powered by battery.

(***) 19dBm < Std power AF/AP < 22.5dBm 22dBm < Hi power AF/AP < 24dBm

(***) 20.2dBm < For AP & S < 22.7dBm

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ELTA

CS_ADT_V1.1

DPP/PBA

ELT C/S IDENT = EXC141D

Serial Number = 40012 Track N° 0

15 Feb 2005 12:42:22

Temperature = +55 °C

-RECEIVED MESSAGE-

FFFE2F4E3F86F73A53B90A24DAD0

CRC OK RCV CRC :01000100100110110111 Checked CRC :01000100100110110111

Message type SHORT

Country Code :227 FRANCE

Protocol : USER TEST EXC141D

Homing 121.5MHz

Elapse Time =0 Activation AUTOMATIQUE

Simplified IDENTIFICATION = (227/7/EXC141D/1)

-FREQUENCY 406.028 MHz-

	SPECIFICATIONS	MEASURES
Unmodulated Carrier	160ms $\pm$ 1.6ms	159.84 ms
Total Transmission Time	440ms $\pm$ 4.4ms	439.83 ms
Repetition Period	50s $\pm$ 2.5s	9.986 s (*)
Power output	37dBm $\pm$ 2dB	36.4 dBm
Transmitted Frequency	406.028MHz $\pm$ 1KHz	406.027703 MHz
Short term Stability	$\leq$ 2.E-9	1.28E-10
Bit rate	400Hz $\pm$ 4Hz	400.7 Hz
Positive phase shift	1.1rd $\pm$.1rd	1.09 rd
Negative phase shift	1.1rd $\pm$.1rd	1.08 rd
Total phase shift	$\leq$ 2.4rd	2.18 rd

-FREQUENCY 121.5 MHz-

Frequency	121.50MHz $\pm$ 6KHz	121.49929 MHz
Peak Power (***)	19 to 24dBm	20.2 dBm
Modulation Index (AM)	85% $\leq$ TM $\leq$ 100%	100 %

-FREQUENCY 243.0 MHz-

Frequency	243.00MHz $\pm$ 12KHz	242.99843 MHz
Peak Power (***)	19 to 24dBm	20.9 dBm
Modulation Index (AM)	85% $\leq$ TM $\leq$ 100%	100 %

-MODULATION VHF-

Sweep Frequency	2Hz to 4Hz	3.3003 Hz
Maximum Frequency (Audio)	$\leq$ 1600Hz	1470 Hz
Minimum Frequency (Audio)	$\geq$ 300Hz	480 Hz
Total Sweep	$\geq$ 700Hz	990 Hz

-POWER SUPPLY- (**)

Supply Voltage	11 to 27Volts	-0.002015 Volts
Current Consumption 121.5MHz	$\leq$ 110mA	-0.00808 mA
Current Consumption 406.028MHz	$\leq$ 1.5A	-0.000847 A

(*) Non Applicable, ELT in short repetition period

(**) Non Applicable, ELT is powered by battery.

(***) 19dBm $\leq$ Std power AF/AP $\leq$ 22.5dBm 22dBm $\leq$ Hi power AF/AP $\leq$ 24dBm(***) 20.2dBm $\leq$ For AP & S $\leq$ 22.7dBm

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