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ORDRE D'EVOLUTION					ARCHIVAGE		
NUMERO DE L'OE	DATE	FOLIO(S) MODIFIE(S)	NOUVEL INDICE	OPERATEUR	NUMERO DE L'ARCHIVE	DATE	OPERATEUR
CREATION	07/10/1997	1 ... 7	AA				
ECO 9812052	26/05/1998	3,5,6,7	AB	JM.GIGOT			
ECO 9812091	18/12/1998	3,6	AC	L TEREYJOL			
ECO 9912034	26/06/00	1 ... 7	AD	L TEREYJOL			

MATERIEL=EVR 716/750
NUM_CARTE=4672971C
IND_CARTE=AD

DRAWING LAST_MODIFIED=Mon Jan 15 15:56:59 2001
TRANSMITTER

MATIERE/MATERIAL:		TOL.GENE/TOL.UNLESS 838513 CLASSE
TRAITEMENT/TREATMENT	TRAIT.SURFACE/SURFACE TREAT.	
ETABLI PAR/DESIGNED BY: B BOURCIER	ECHELLE: SCALE:	TITRE/TITLE TRANSMITTER — LANG.
APPROUVE PAR/APPROVED BY: A MALLET_GUY		

THOMSON-CSF

DIVISION COMMUNICATIONS NAVIGATION IDENTIFICATION

NUMERO DE DOCUMENT/DOCUMENT NUMBER		FORMAT SIZE	FEUILLE SHEET
NUMERO D'ARTICLE/PART NUMBER	TYPE		No Nbre
4672971C	030	3	1 /7

IND AD

IND	CHANGE ORDER	DATE	IND	CHANGE ORDER	DATE	IND	CHANGE ORDER	DATE
AB	ECO 9812052	26/05/98	AD	ECO 9912034	26/06/00			
AA	CREATION	07/10/97	AC	ECO 9812091	18/12/98			

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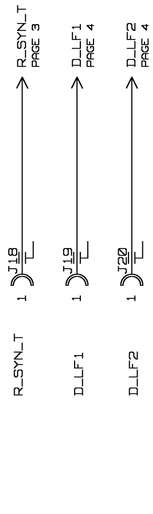
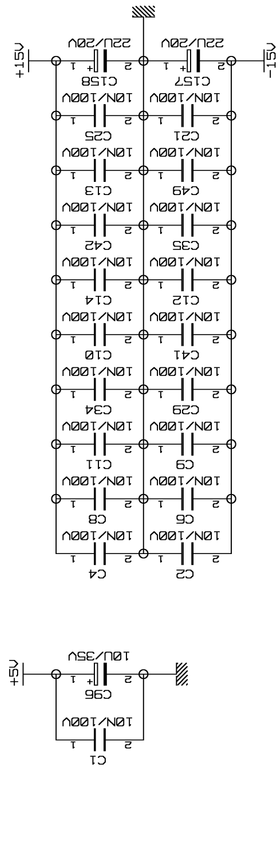
IND	ORDRE EVOL.	DATE	IND	ORDRE EVOL.	DATE	IND	ORDRE EVOL.	DATE	
AA	CREATION	07/10/97	AC	ECO 9812091	18/12/98				
AB	ECO 9812052	26/05/98	AD	ECO 9912034	26/06/00				

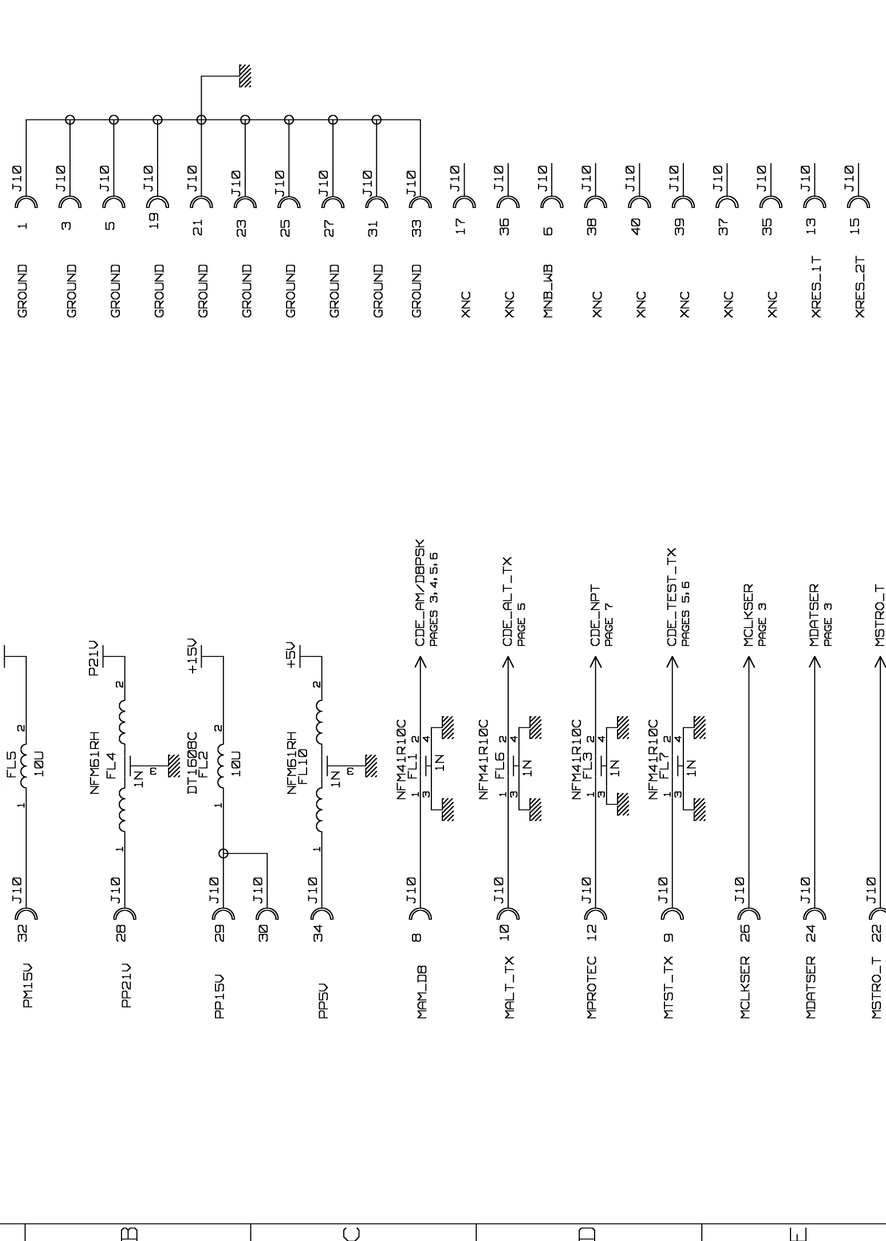
DRAWING TRANSMITTER
MATERIEL=EVR 716/750
NUM_CARTE=4672971C
IND_CARTE=AD
LAST_MODIFIED=Tue Jan 16 08:57:36 2001

MATIERE/MATERIAL:	TOL. GENE/TOL. UNLESS	THOMSON-CSF	NUMERO DE DOCUMENT/DOCUMENT NUMBER 4672971C / NUMERO D'ARTICLE/PART NUMBER 030
TRAITEMENT/TREATMENT: B38513 CLASSE		DIVISION COMMUNICATIONS NAVIGATION IDENTIFICATION	TYPE / FORMAT A4 / SIZE 2 / FEUILLE SHEET 2 / 7
TRAIT. SURFACE/SURFACE TREAT.			IND DATE

ETABLI PAR/DESIGNED BY: B. BOURCIER — ECHELLE: — TITRE/TITLE TRANSMITTER CONNECTORS — LANG.
REPRODUIT PAR/REPRODUCED BY: A. MALLET-OUY — SCALE: — A1 MALLET-OUY







NOT TO BE WIRED
TO BE ADJUST

MCLKSER PAGE 2
MDATSER PAGE 2
MSTRO_T PAGE 2
HF_DIV
R_SYN_T PAGE 2
CDE_AM/D8PSK PAGE 2
LOCK_SYNTHE_EM PAGE 2

DIVIDER AND COMPARATOR

ADJUST DBPSK SPECTRUM

NOT TO BE WIRED
FILTRE 8.33 KHZ
FILTRE 25 KHZ

P17V
DG419DY
TB1

CDE_DB/AM PAGE5
VPHASE

DIVIDER BUFFER

HF_DIV
NOT TO BE WIRED

COMMON GROUND
SYNTHESIZER GROUND

V.C.O.
NOT TO BE WIRED

TRANSMITTER BUFFER
HF_SYNTHE PAGE 4

OL_TX_OFF PAGE 5
CDE_LEV_TEST PAGE 5
NOT TO BE WIRED

TOL.GENE.+or-1%UNLESS
83B513 CLASSE
TRAIT.SURFACE/SURFACE TREAT.
MATIERE/MATERIAL:
TRAITEMENT/TREATMENT

LANG.
TITRE/TITLE: TRANSMITTER SYNTHESIZER
FEUILLE SHEET No 3/7
FORMAT SIZE 2
NUMERO DE DOCUMENT/DOCUMENT NUMBER TYPE 4672971C 030
NUMERO D'ARTICLE/PART NUMBER
IND AB

ECHELLE: SCALE:
ETABLI PAR/DESIGNED BY: B BOURCIER
APPROUVE PAR/APPROVED BY: A.MALLET-GUY

DIVISION COMMUNICATIONS NAVIGATION IDENTIFICATION

THOMSON-CSF

IND	DATE	ORDRE EVOL. CHANGE ORDER	DESCRIPTION	DATE
AB	26/05/98	ECO 9812052	CREATION	07/10/97
AA	25/05/98	AD	ECO 9812034	AC
	18/12/98		ECO 9812091	IND
	26/06/00			

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TRANSMITTER
MATERIEL=EVR 715/750
NUM_CARTE=46729710
IND_CARTE=AD
LAST_MODIFIED=Tue Jan 16 08:57:38 2001

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NOT TO BE WIRED

I TRIGGER

I DC OFFSET

R66 Ø

R246 TS6Y 100

R29 14K7

R247 TS6Y 1K

R12 5K11

C159 10U/35V

R120 100

C46 100P/100V

R33 10K

R103 10K

I LEVEL ADJUST

MA15 CMS — TLE2022ID — GR1

11368 E7

Q TRIGGER

Q DC OFFSET

R9 Ø

R243 TS6Y 100

R5 14K7

R242 TS6Y 1K

R1 5K11

C98 10U/35V

R78 100

C75 100P/100V

R57 10K

R41 10K

Q LEVEL ADJUST

MA15 CMS — TLE2022ID — GR1

11368 E4

TB5

D8PSK MODULATOR

TB6

MA5 — EKIN2_125

IF MA5 WIRED	IF MA17 WIRED
R2R0 = Ø Ω R2R6 = 100 Ω R2A3 = 100 Ω	R2R0 = 100 KΩ R2R6 = 100 KΩ R2A3 = 100 KΩ
R2R3 = # = R2R7 R103 = # = R41 R120 = # = R78	R2R3 = 10 KΩ = R2R7 R103 = 100 KΩ = R41 R120 = 100 KΩ = R78
C46 = # = C75	C46 = 100 PF = C75
MA15 = # MA17 = #	MA5 = # MA15 = TL2022I

+5V

C202 68U/6V3

C161 100N/63V

R284 5K62

R283 5K11

C120 68U/6V3

MA17 DSO — RF2812

C165 1N/100V

C174 1N/100V

R256 51.1

R255 200

R250 200

C78 1N/100V

R270 Ø

R273 100K

R267 100K

C105 1N/100V

MA18 — MAR_4SM

L20 1U

C182 1N/100V

C181 10N/100V

C5 270P/100V

P12VMSA

R292 301 RR1 200K

R291 301 RR1 200K

D8PSK ATT.

+15V

33K2 R32

MA1 CMS — TL084ID — GR2

CDE_AM/D8PSK PAGE 2

R79 10K

C51 4N7/100V

R102 10K

-15V

S02222A Q12

R68 51K1

R54 100K

S02907A Q14

C47 22N/63V

R55 10K

14K7 R104

S02907A Q13

R126 51K1

R121 100K

S02222A Q9

R293 200 RR1 200K

R254 200 RR1 200K

C81 33N/63V

C183 1U/35V

L7 BB2422

C121 1N/100V

J56

J51

HF_SYNTHE PAGE 3

E37 E36

10 R31

10 R42

MN3 — SW239

C37 22N/63V

C53 22N/63V

MN2 — SW239

R133 10

R56 10

C70 22N/63V

C22 22N/63V

C62 470P/200V

MA8 — S08_BBB123 RF2307 — MAV11/RF2307

MAV11 PREFERENTIAL DEVICE

C87 470P/200V

HF_MAV11 PAGE 5

L20 4N7 B10T

C188 10P/100V

PHONE / D8PSK SWITCH

SWITCHES

-15V +15V

MN1 CMS — DG403

D_LF1 PAGE 2

D_LF2 PAGE 2

CDE_AM/D8PSK PAGE 2

BF_RECEPTION PAGE 2

BF_EMISSION PAGE 6

PHONE ATT.

R26 Ø

#R14 100K

#R30 100K

TOL.GENERAL UNLESS 83B513 CLASSE

TRAIT.SURFACE/SURFACE TREAT.

MATIERE/MATERIAL:

TRAITEMENT/TREATMENT

LANG.

TITRE/TITLE TRANSMITTER

PHONE/D8PSK SWITCH D8PSK MODULATOR

FEUILLE SHEET 4/7

FORMAT SIZE A2

TYPE 030

NUMERO DE DOCUMENT/DOCUMENT NUMBER 46729971C

NUMERO D'ARTICLE/PART NUMBER

DIVISION COMMUNICATIONS NAVIGATION IDENTIFICATION

ECHELLE: SCALE:

ETABLI PAR/DESIGNED BY: B. BOURCIER

APPROUVE PAR/APPROVED BY: A. MALLET

THOMSON-CSF

IND DATE

IND	DATE	CHANGE ORDER	EVOL. ORDRE
AB	26/06/00	ECO 9912034	AD
AA	18/12/98	ECO 9812091	AC
	25/05/98	ECO 9812052	AB
	07/10/97	CREATION	AA

DRAWING

TRANSMITTER

MATERIEL=EVR 716/750

NUM_CARTE=46729971C

IND_CARTE=AD

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* COMPONENTS WITH A VALUE DEPENDING OF THE POWER TRANSISTORS' MANUFACTURER

	MA/COM	MOTOROLA
C54	QTY=0	51P/500V
C82	56P/500V	75P/500V
C88	4P7/500V	18P/500V
C204	1N/50V	QTY=0
C116	1N/50V	QTY=0
C187	1N/50V	QTY=0
L30	22NH/B07T	QTY=0
Q29	DU28200M	MRF175GV
Q30	DU2805S	MRF134
Q31	DU2840S	MRF137
R2	5K11	10K
R8	1K47	6K81
R58	330/RC41U	QTY=0
R90	5K11	3K32
R123	50/RR2010K	QTY=0
R127	50/RR2010K	QTY=0
R151	330/RC41U	QTY=0
R285	330/RC41U	QTY=0

	MIN	MAX	MIN	MAX
C66	75P	120P	75P	120P
C88	QTY=0	QTY=0	12P	22P
C156	4P7	33P	4P7	33P

CDE_TEST_TX PAGE 2 — CDE_LEV_TEST PAGE 6 — CDE_ALT_TEST PAGE 6 — OL_TX_OFF PAGE 3 — V_ASSERVISSEMENT PAGE 6 — HF_MODULATEUR — HF_MAV11 PAGE 4 — CDE_DB/AM PAGE3 — TEST_TS1 PAGE7 — CDE_ALT_TX PAGE 2 — V_INCIDENT PAGE 6 — V_REFLECHI PAGE 6 — TVHFT_R PAGE 2

POLAR. CHOICE — POLAR. VOLTAGE — MODULATOR — FIRST RF POWER STAGE — SECOND RF POWER STAGE — OUTPUT POWER STAGE — @ TO BE ADJUSTED — * SEE TABLE

Q29 AM/POLAR ADJUST — Q29 DBPSK/POLAR ADJUST — Q30 POLAR ADJUST — Q31 POLAR ADJUST

DRAWING
TRANSMITTER
MATERIEL=EVR 716/750
NUM_CARTE=4672971C
IND_CARTE=AD
LAST_MODIFIED=Tue Jan 16 08:57:42 2001

MATIERE/MATERIAL:
TRAITEMENT/TREATMENT
TOL. GENERALE: UNLESS 83B513 CLASSE
TRAIT. SURFACE/SURFACE TREAT.

TITRE/TITLE	TRANSMITTER RF POWER AMPLI./MODULATOR
LANG.	
FEUILLE SHEET	No 5/7
FORMAT SIZE	2
TYPE	030
NUMERO DE DOCUMENT/DOCUMENT NUMBER	4672971C
NUMERO D'ARTICLE/PART NUMBER	
ECHELLE: SCALE:	
ETABLI PAR/DESIGNED BY:	B. BOURCIER
APPROUVE PAR/APPROVED BY:	A. MALLET
DIVISION	COMMUNICATIONS NAVIGATION IDENTIFICATION

THOMSON-CSF

IND	DATE	ORDRE EVOL. CHANGE ORDER
AB	26/05/98	ECO 98120S2
AA	07/10/97	CREATION
IND	DATE	ORDRE EVOL. CHANGE ORDER
AD	26/05/00	ECO 9912034
AC	18/12/98	ECO 9812091
IND	DATE	ORDRE EVOL. CHANGE ORDER

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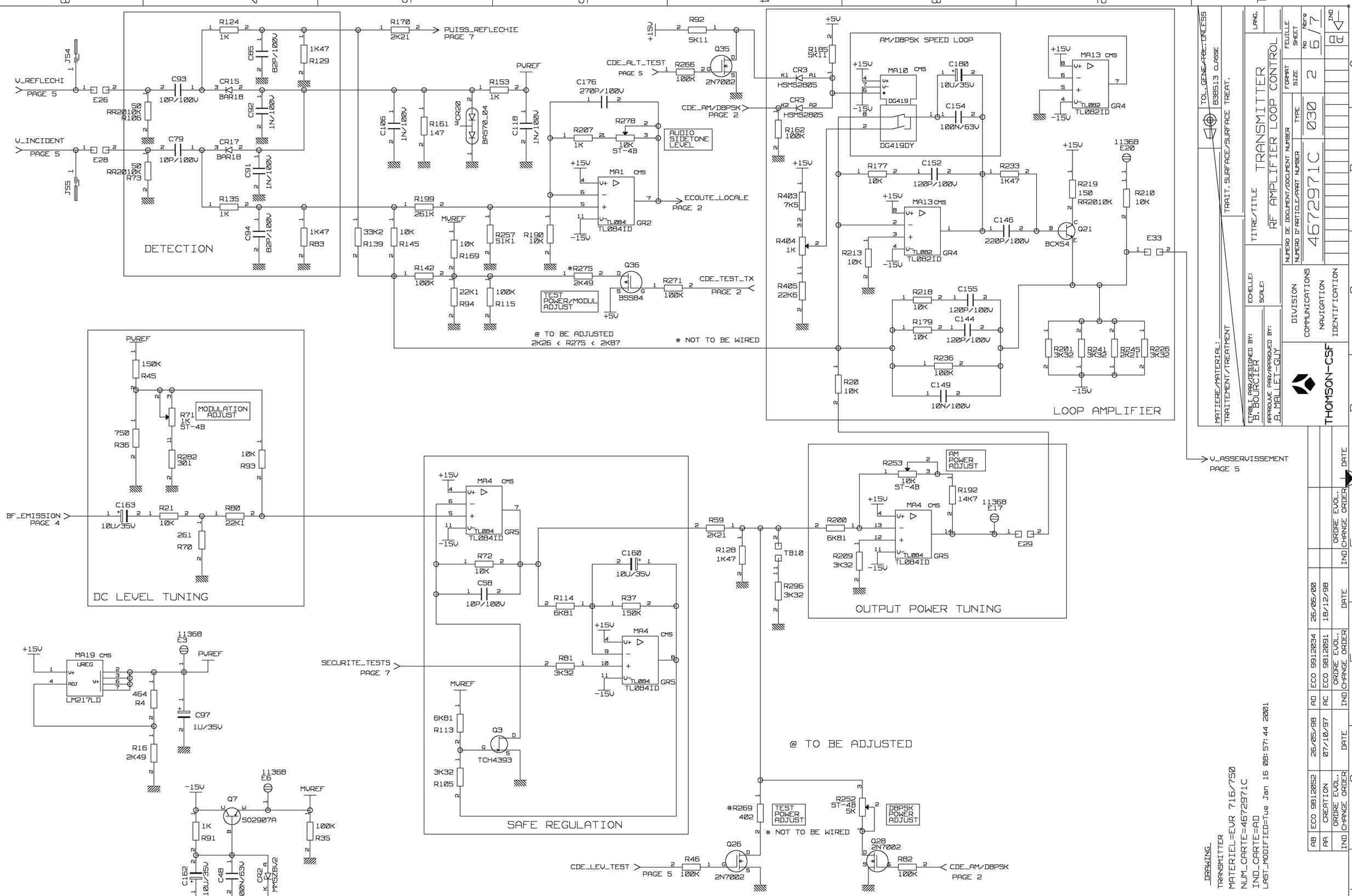

AB	ECO 9812052	26/05/98							
AA	CREATION	07/10/97	AC	ECO 9812091	18/12/98				
	ORDRE EVOL.			ORDRE EVOL.					
IND	CHANGE ORDER	DATE	IND	CHANGE ORDER	DATE	IND	CHANGE ORDER	DATE	

DRAWING
TRANSMITTER
MATERIEL=EVR 716/750
NUM_CARTE=46729271C
IND_CARTE=AD
LAST_MODIFIED=Tue Jan 16 08:57:44 2001

TOL. GENERALE: UNLESS
83B513 CLASSE
TRAIT. SURFACE/SURFACE TREAT.
MATIERE/MATERIAL:
TRAITEMENT/TREATMENT

TITRE/TITLE: TRANSMITTER
RF AMPLIFIER LOOP CONTROL
LANG.
FEUILLE SHEET: No 6/7
FORMAT SIZE: 2
TYPE: 030
NUMERO DE DOCUMENT/DOCUMENT NUMBER
NUMERO D'ARTICLE/PART NUMBER: 46729271C
ECHELLE: SCALE:
ETABLI PAR/DESIGNED BY: B. BOURCIER
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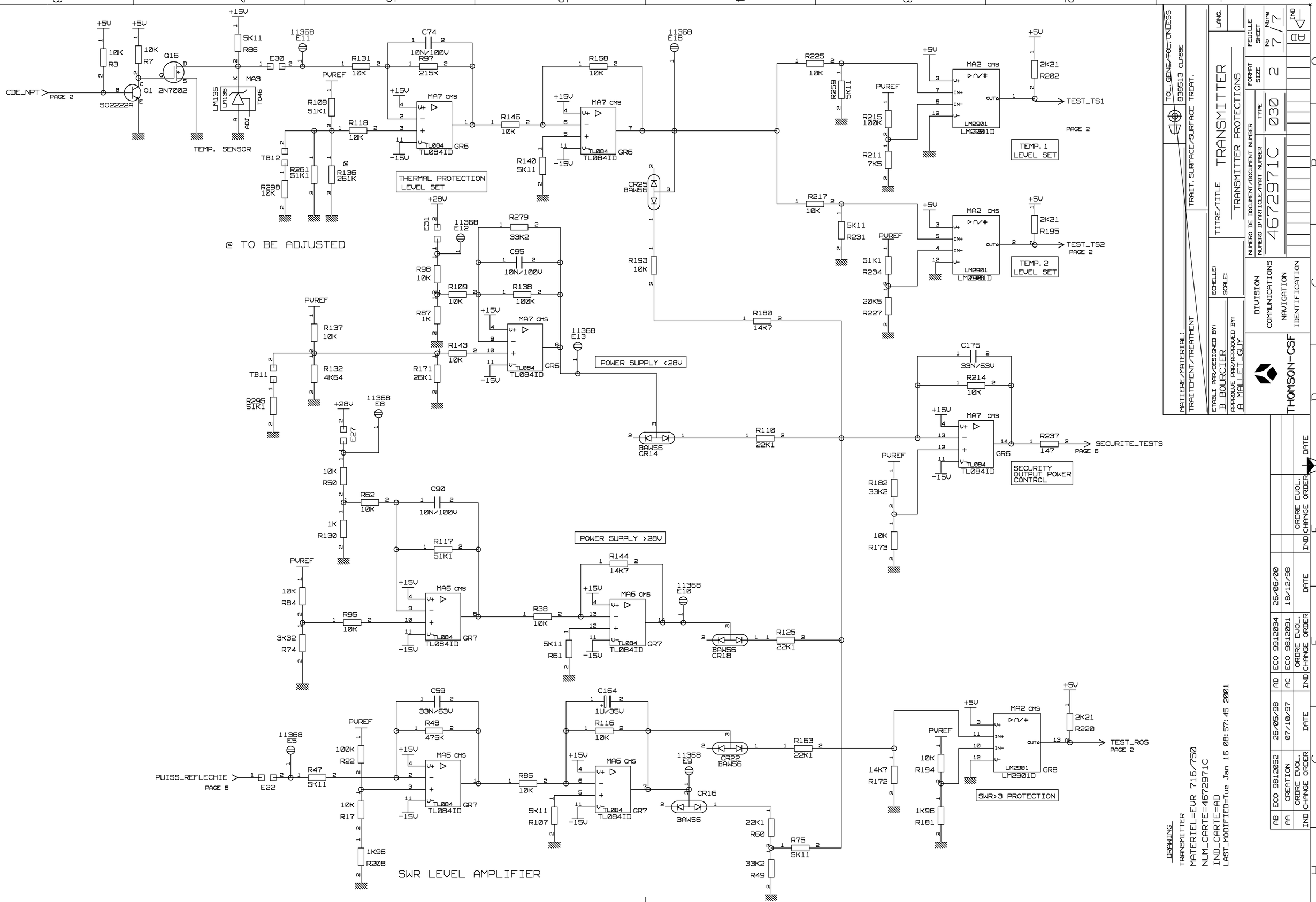

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