

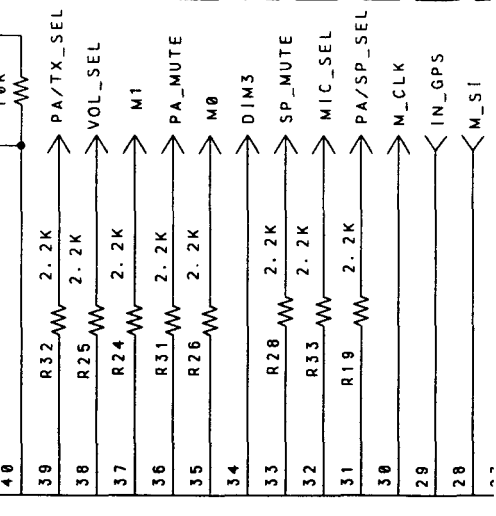
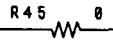
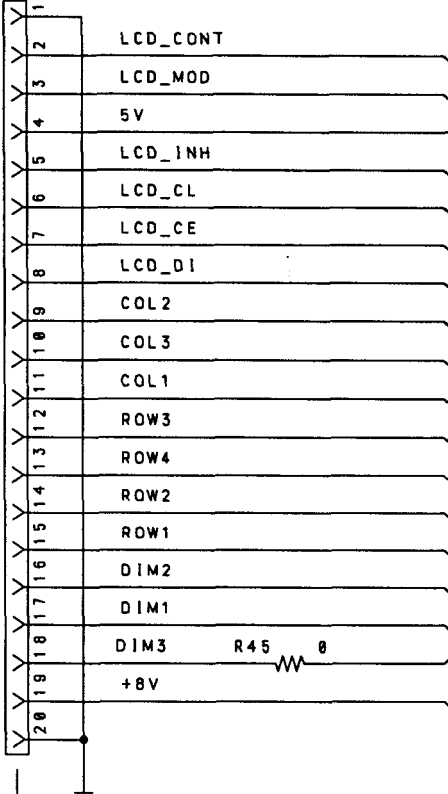
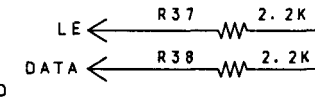
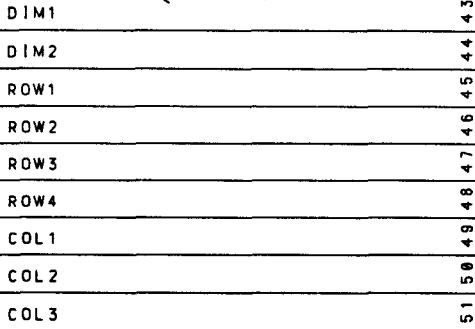
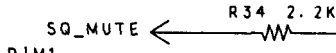
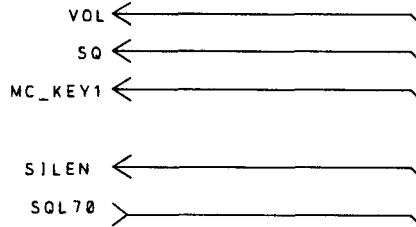
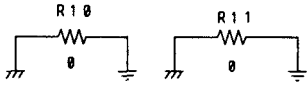
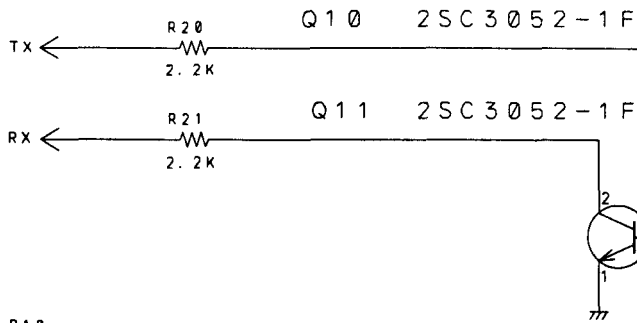
CIRCUIT

ORG  
BLK  
VEL  
GRN  
EARTH

TO WA581 (WHAM)

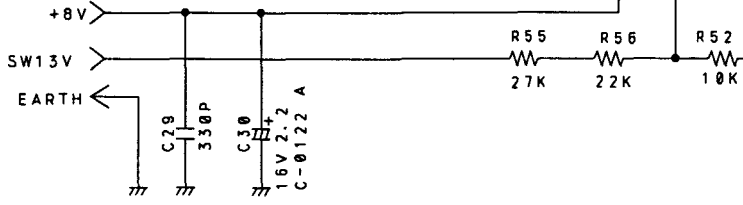
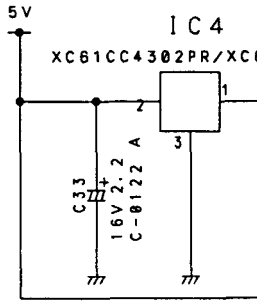
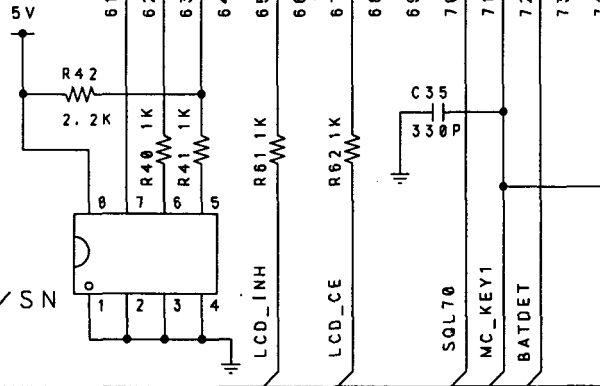






IC2  
M30621FCAGP  
DE-3455

IC5  
24LC32AT-1/SN



J115 JK-0856 (20P)



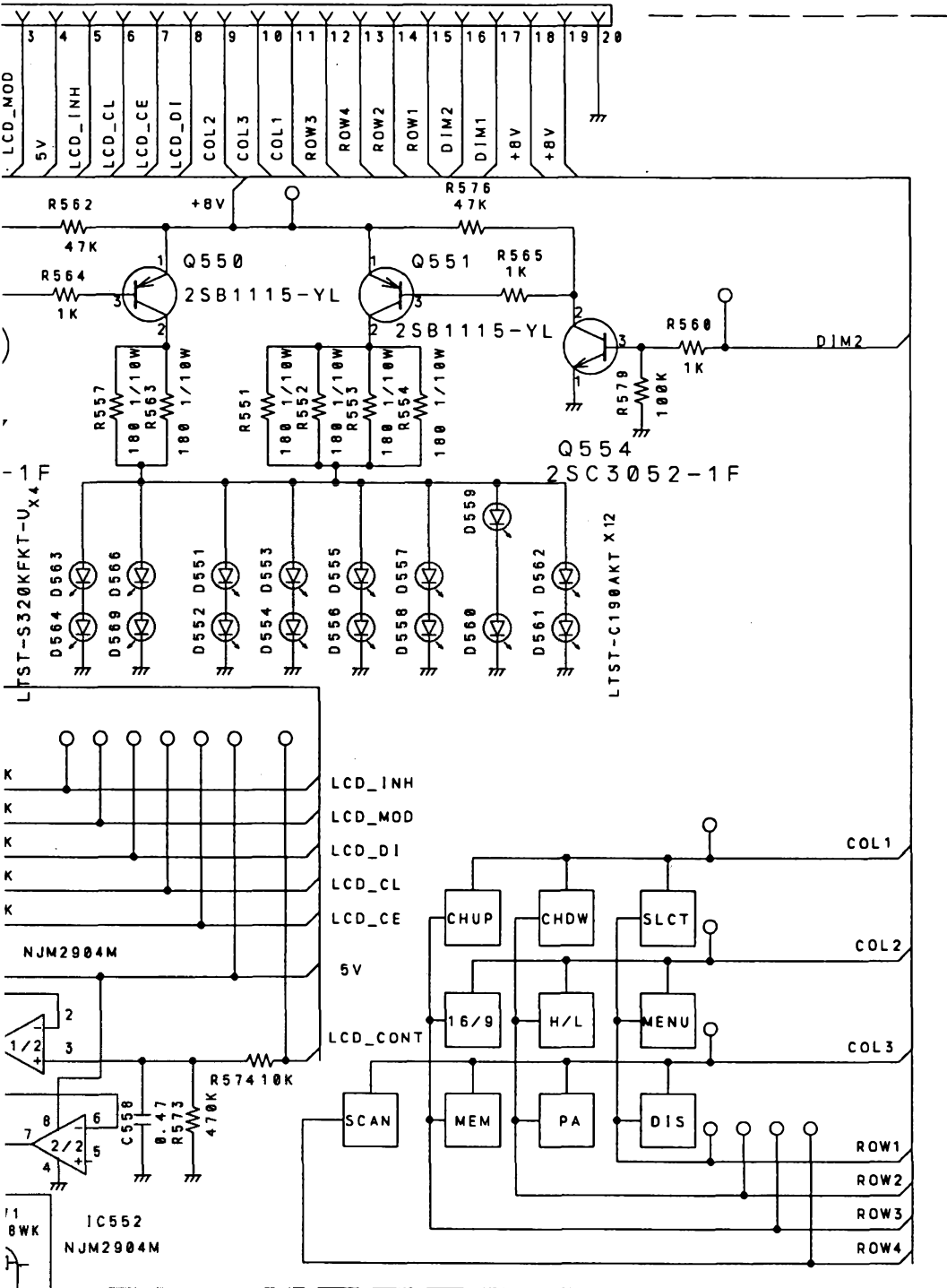




WF551

WF-300 4-60-4(20)

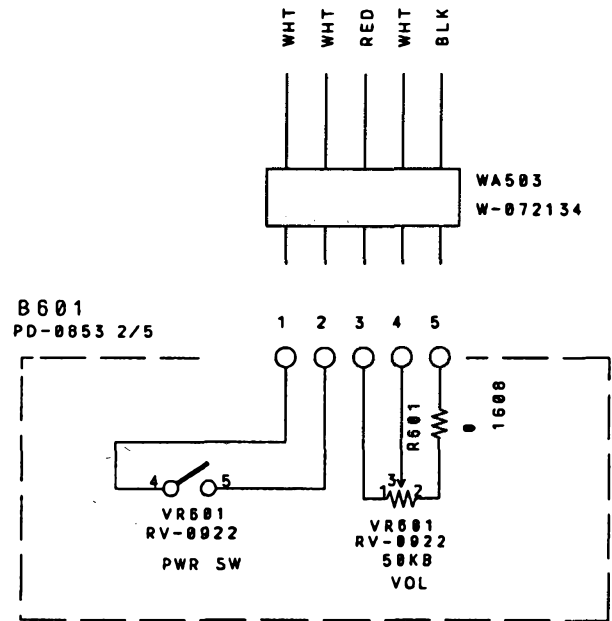
REVISIONS	REV. CODE													
	DATE													
	LOTH/RNH													
	REVISED BY													
CHECKED BY														



- NOTES:
1. RESISTANCE VALUES ARE SHOWN IN OHMS UNLESS OTHERWISE NOTED. (K=KILO OHM, M=MEG OHM)
  2. RESISTOR WATTAGES ARE [1/16W] UNLESS OTHERWISE NOTED.
  3. CAPACITANCE VALUES ARE INDICATED IN MICRO FARADS UNLESS OTHERWISE NOTED. (P=MICRO-MICRO FARAD)
  4. ALL CAPACITORS TEMPERATURE CHARACTERISTICS ARE [CH] (LESS THAN 1000PF) OR [B] (MORE THAN 1000PF) UNLESS OTHERWISE NOTED.
  5. CHIP PARTS ARE NOT SPECIFIED IN THIS DRAWING PLEASE REFER TO THE PARTS LIST FOR THE CHIP PARTS.
  6. DNS MEANSE DO NOT SUPPLY PARTS.

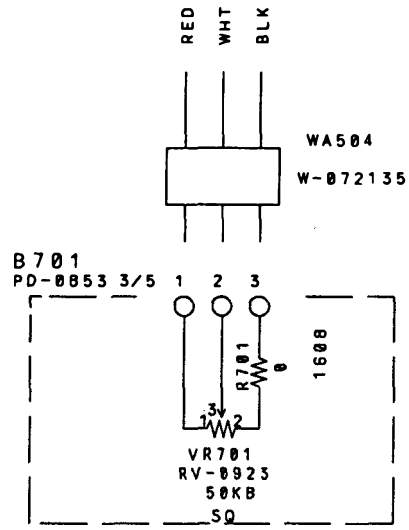
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03/12/10	04/11/02	UT604BH	Oceanus DSC/ATIS
YUAT	YUAT	TITLE FRONT ASS'Y SCHEMATIC DIAGRAM	
CHECK BY	APPRO BY	DRAWING No.	
REV. No		UNIDEN CORP.	





REVISIONS	REV. CODE	△	△	△	△	△	△	△	△	△	△	△	△	△	△	△
	DATE															
	LOT# / RN#															
	REVISED BY															
	CHECKED BY															

DESIGN	DRAWN BY	UNIDEN No.	MODEL No.
03/9/24	04/11/02	UT604BH	Oceanus DSC/ATIS
YUASA	SAWADAS	TITLE VOLUME ASSY	
CHECK BY	APPRO. BY	SCHEMATIC DIAGRAM	
		DRAWING No.	
REV. No		UNIDEN CORP.	



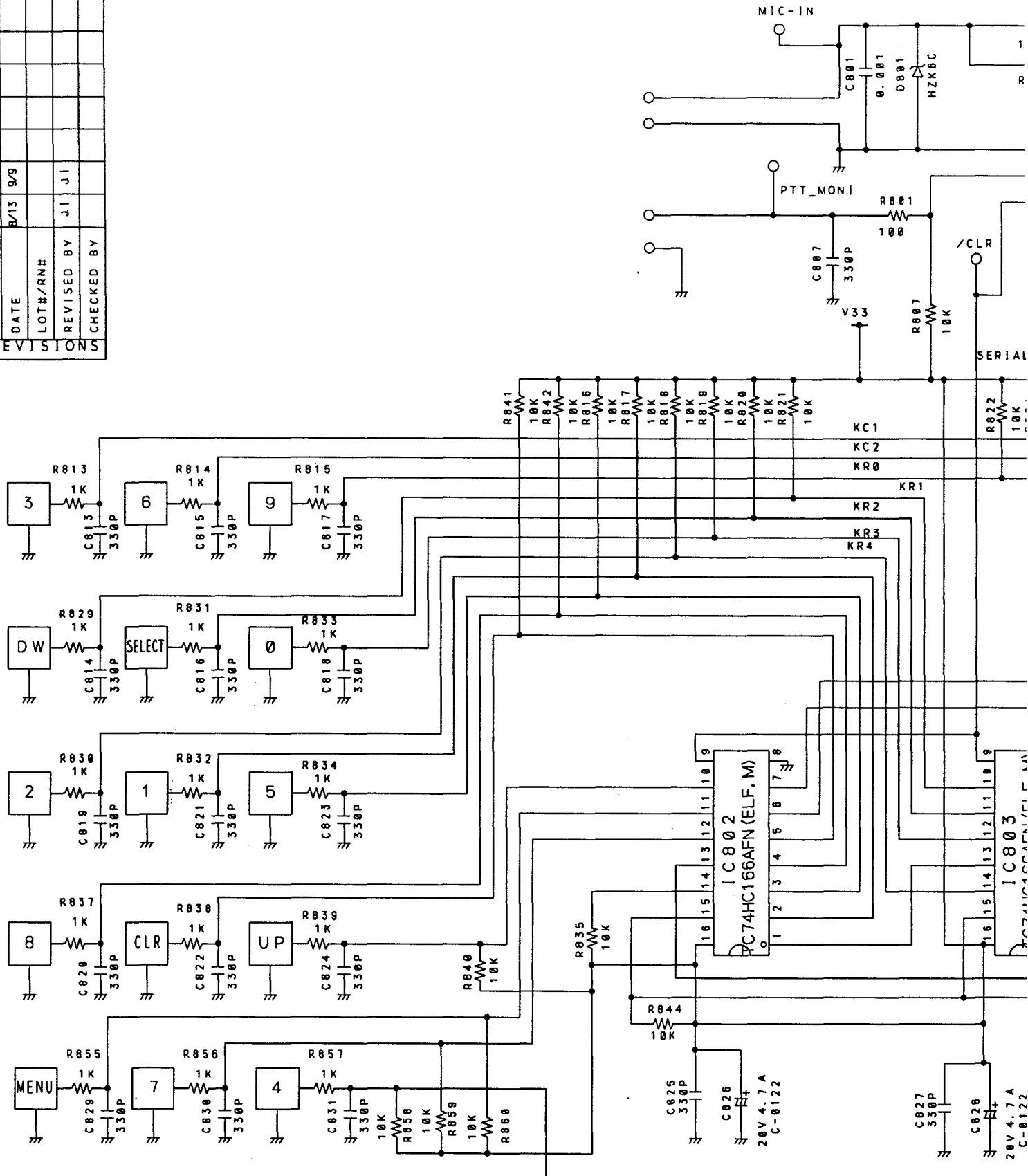
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	DATE																
	LOTR/RNH																
	REVISED BY																
CHECKED BY																	

DESIGN	DRAWN BY	UNIDEN No.	MODEL No.
03/9/24	04/11/02	UT604BH	Oceanus DSC/ATIS
YUASA	OHZEKI	TITLE SWITCH ASSY SCHEMATIC DIAGRAM	
CHECK BY	APPRO. BY		
		DRAWING No.	
REV. No		UNIDEN CORP.	





REV. CODE	
DATE	B/13 9/9
LOT#/RNH	
REVISED BY	J1 J1
CHECKED BY	



SERIAL

KC1  
KC2  
KR0  
KR1  
KR2  
KR3  
KR4

R841 10K  
R842 10K  
R816 10K  
R817 10K  
R818 10K  
R819 10K  
R820 10K  
R821 10K

R801 100

R807 10K

R822 10K

R840 10K

R835 10K

R844 10K

C825 330P

C826 28V 4.7A C-0122

C827 330P

C828 28V 4.7A C-0122

IC802 PC74HC166AFN (ELF, M)

IC803 PC74HC166AFN (ELF, M)

R840 10K

R835 10K

R844 10K

C825 330P

C826 28V 4.7A C-0122

C827 330P

C828 28V 4.7A C-0122

IC802 PC74HC166AFN (ELF, M)

IC803 PC74HC166AFN (ELF, M)

R840 10K

R835 10K

R844 10K

C825 330P

C826 28V 4.7A C-0122

C827 330P

C828 28V 4.7A C-0122

IC802 PC74HC166AFN (ELF, M)

IC803 PC74HC166AFN (ELF, M)

R840 10K

R835 10K

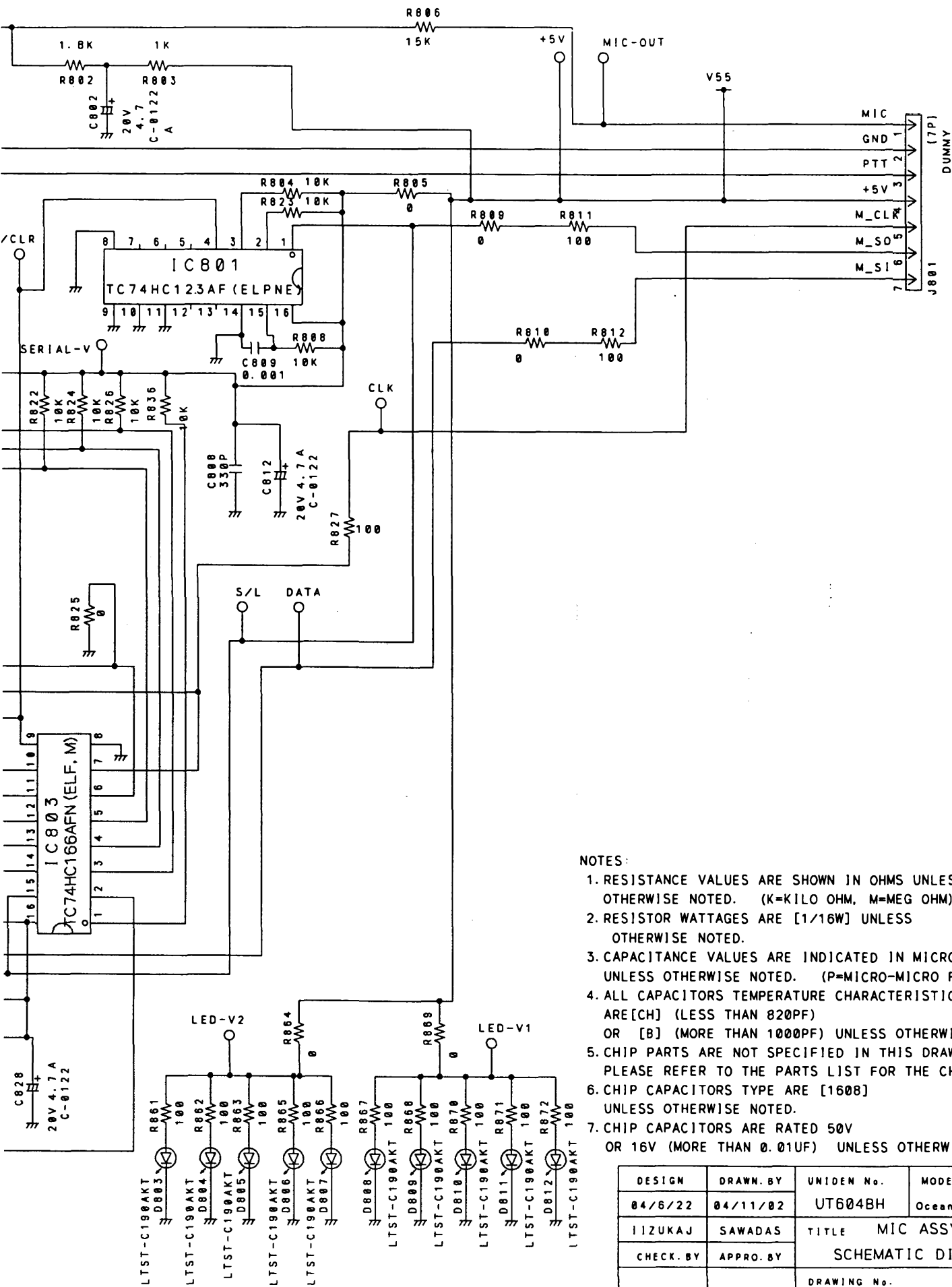
R844 10K

C825 330P

C826 28V 4.7A C-0122

C827 330P

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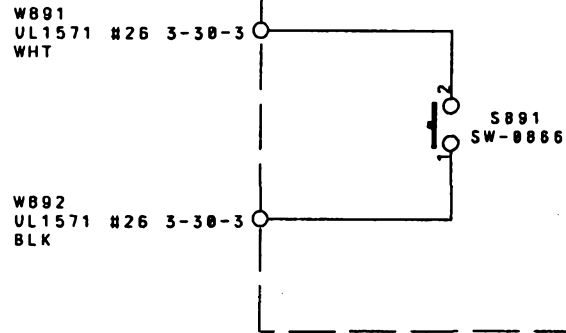


NOTES:

1. RESISTANCE VALUES ARE SHOWN IN OHMS UNLESS OTHERWISE NOTED. (K=KILO OHM, M=MEG OHM)
2. RESISTOR WATTAGES ARE [1/16W] UNLESS OTHERWISE NOTED.
3. CAPACITANCE VALUES ARE INDICATED IN MICRO FARADS UNLESS OTHERWISE NOTED. (P=MICRO-MICRO FARAD)
4. ALL CAPACITORS TEMPERATURE CHARACTERISTICS ARE [CH] (LESS THAN 820PF) OR [B] (MORE THAN 1000PF) UNLESS OTHERWISE NOTED.
5. CHIP PARTS ARE NOT SPECIFIED IN THIS DRAWING PLEASE REFER TO THE PARTS LIST FOR THE CHIP PARTS.
6. CHIP CAPACITORS TYPE ARE [1608] UNLESS OTHERWISE NOTED.
7. CHIP CAPACITORS ARE RATED 50V OR 16V (MORE THAN 0.01UF) UNLESS OTHERWISE NOTED.

DESIGN	DRAWN BY	UNIDEN No.	MODEL No.
04/6/22	04/11/02	UT604BH	Oceanus DSC/ATIS
IIZUKAJ	SAWADAS	TITLE MIC ASSY	
CHECK BY	APPRO BY	SCHEMATIC DIAGRAM	
		DRAWING No.	
REV. No		UNIDEN CORP.	

B891  
PD-0884



REVISIONS	REV. CODE																			
	DATE																			
	LOTH/RNH																			
	REVISED BY																			
	CHECKED BY																			

DESIGN	DRAWN BY	UNIDEN No.	MODEL No.
04/11/11	04/11/16	UT604BH	Oceanus DSC/ATIS
		TITLE MIC SWITCH ASSY SCHEMATIC DIAGRAM	
CHECK BY	APPRO BY		
		DRAWING No.	
REV. No		UNIDEN CORP.	

MARINE TEST DATA

MODEL : Oceanus DSC/ATIS (UT604BH)

DATE : 2004. 11.29

TEST BY : M. KOMAZAKI

T. KIMURA

CHECKED BY : \_\_\_\_\_

APPROVED BY : \_\_\_\_\_

ITEMS	STATE	EN 301 025 SUBCLAUSE	CH	LIMIT	SPEC	UT6048/03 No. 12		
1	SENSITIVITY FOR 20dB SINAD	9.3	CH06	dBuV	6	-2.30		
			CH16	dBuV	6	-2.70		
			CH88	dBuV	6	-1.50		
2	SQUELCH SENSITIVITY	9.12	CH06	μV	0.35	0.19		
			CH16	μV	0.35	0.19		
			CH88	μV	0.35	0.22		
	SQ OPENING SINAD @THRESHOLD	9.12	CH06	dB	2	10	4.7	
			CH16	dB	2	10	4.4	
			CH88	dB	2	10	4.7	
	HYSTERESIS @THRESHOLD	9.12	CH06	dB	1	7	7	
			CH16	dB	1	7	8	
			CH88	dB	1	7	7	
	TIGHT	9.12	CH06	μV	2	0.96		
			CH16	μV	2	0.96		
			CH88	μV	2	1.15		
SQ OPENING SINAD @TIGHT	9.12	CH06	dB	20	31.8			
		CH16	dB	20	32.1			
		CH88	dB	20	32.3			
HYSTERESIS @TIGHT	9.13	CH06	dB	3.0	6.0	4.8		
		CH16	dB	3.0	6.0	4.8		
		CH88	dB	3.0	6.0	4.8		
3	AUDIO RESPONSE REF. 1kHz ± 1kHz Dev.	9.2	CH06	dB	7.5	11.5	8.1	
			CH16	dB	7.5	11.5	8.1	
			CH88	dB	7.5	11.5	8.1	
		9.2	CH06	dB	3	7	5.5	
			CH16	dB	3	7	5.5	
9.2	CH06	dB	-9	-5	-6.8			
	CH16	dB	-9	-5	-6.8			
4	MUM & NOISE RATIO	9.11	CH06	dB	40			
			CH16	dB	40		43.8	
			CH88	dB	40			
		9.12	CH06	dB	40			51.0
			CH16	dB	40			51.0
5	TOTAL HARMONIC DISTORTION @1kHz	9.1	CH06	%	10			
			CH16	%	10		0.9	
			CH88	%	10			
		MAX VOLUME	CH06	%	10			28.8
			CH16	%	10			28.8
	TOTAL HARMONIC DISTORTION	9.1	CH06	%	10			
			CH16	%	10		1.0	
			CH88	%	10			
		9.1	CH06	%	10			0.9
			CH16	%	10			0.9
6	AUDIO OUTPUT POWER @13.8VDC	9.1	CH06	W	2.8		3.17	
			CH16	W	2.8		3.17	
			CH88	W	2.8			
		9.1	CH06	W	3.5			4.13
			CH16	W	3.5			4.13
7	CURRENT DRAIN @13.8VDC	NO SIGNAL	CH06	mA		650	546	
			CH16	mA		650	546	
			CH88	mA		650	546	
		STANDARD RATING OUTPUT (0.125W)	CH06	mA				720
			CH16	mA				720
8	Co-CHANNEL REJECTION	9.4	CH06	dB	-10	0	-9.1	
			CH16	dB	-10	0	-9.3	
			CH88	dB	-10	0	-9.2	
		9.5	CH06	dB	70		71.7	
			CH16	dB	70		71.7	
9	ADJACENT CHANNEL SELECTIVITY	9.5	156.3250	CH06	dB	70	71.7	
			156.8250	CH16	dB	70	71.7	
			162.0500	CH88	dB	70	71.5	
		9.5	156.2750	CH06	dB	70	71.3	
			156.7750	CH16	dB	70	71.5	
10	INTER MODULATION REJECTION	9.7	CH06	dB	68	70.0	70.0	
			CH16	dB	68	70.0	70.0	
			CH88	dB	68	70.5	70.5	
		9.7	CH06	dB	68	70.0	70.0	
			CH16	dB	68	70.0	70.0	
11	IF REJECTION	9.6	21.400	CH06	dB	70	81.5	
			21.400	CH16	dB	70	81.2	
			21.400	CH88	dB	70	80.0	
		9.6	0.455	CH06	dB	70	109.8	
			0.455	CH16	dB	70	109.8	
12	IMAGE REJECTION	9.6	113.5000	CH06	dB	70	75.3	
			114.0000	CH16	dB	70	75.4	
			119.2750	CH88	dB	70	75.3	
		9.6	155.3900	CH06	dB	70	88.9	
			155.8900	CH16	dB	70	88.0	
13	HARF IF REJECTION	9.6	145.6000	CH06	dB	70	96.3	
			146.1000	CH16	dB	70	96.0	
			151.3250	CH88	dB	70	83.0	
		9.6	156.0725	CH06	dB	70	89.1	
			156.5725	CH16	dB	70	89.0	
14	OTHER SPURIOUS EMISSION	9.6	171.1500	CH06	dB	70	87.0	
			171.6500	CH16	dB	70	87.3	
			176.8750	CH88	dB	70	97.3	
		9.6	141.4500	CH06	dB	70	95.6	
			141.9500	CH16	dB	70	97.0	
15	BLOCKING	9.8	186.3000	CH06	dB	70	99.3	
			186.5000	CH16	dB	70	99.7	
			191.7250	CH88	dB	70	98.8	
		9.8	126.6000	CH06	dB	70	110.1	
			127.1000	CH16	dB	70	110.1	
16	CONDUCTED SPURIOUS EMISSION	9.9	134.600	CH06	dBm	-57	-83.7	
			269.200	CH06	dBm	-57	-90.0	
			403.800	CH06	dBm	-57	-89.6	
		9.9	538.400	CH06	dBm	-57	-88.6	
			135.100	CH16	dBm	-57	-81.6	
17	RESIDUAL NOISE	9.9	270.200	CH16	dBm	-57	-90.0	
			405.300	CH16	dBm	-57	-90.0	
			540.400	CH16	dBm	-57	-88.9	
		9.9	140.325	CH88	dBm	-57	-84.0	
			280.650	CH88	dBm	-57	-90.0	
18	ANTENNA TERMINAL	9.9	420.875	CH88	dBm	-57	-88.7	
			561.300	CH88	dBm	-57	-90.0	
			CH06	mV	2			
		9.9	CH16	mV	2		0.62	
			CH88	mV	2			
19	ANTENNA TERMINAL	9.9	CH06	mV	2			
			CH16	mV	2		0.48	
			CH88	mV	2			
		9.9	CH06	mV	2			
			CH16	mV	2		0.48	

	ITEMS	STATE	EN 301 025 SUBCLAUSE	CH	UNIT	SPEC	UT604B/WS No. 12	
1	SENSITIVITY FOR 20dB SINAD	W/CCITT	9.3	CH06	dBuV	6	-2.30	
				CH16	dBuV	6	-2.70	
				CH88	dBuV	6	-1.50	
2	SQUELCH SENSITIVITY	THRESHOLD	9.12	CH06	μV	0.35	0.19	
				CH16	μV	0.35	0.19	
				CH88	μV	0.35	0.22	
		SQ OPENING SINAD @THRESHOLD		CH06	dB	2	10	4.7
				CH16	dB	2	10	4.4
				CH88	dB	2	10	4.7
		HYSTERESIS @THRESHOLD		CH06	dB	1	1	7
				CH16	dB	1	1	8
				CH88	dB	1	1	7
		TIGHT	9.12	CH06	μV	2	0.96	
				CH16	μV	2	0.96	
				CH88	μV	2	1.15	
		SQ OPENING SINAD @TIGHT	9.12	CH06	dB	20	31.8	
				CH16	dB	20	32.1	
				CH88	dB	20	32.5	
HYSTERESIS @TIGHT	9.13	CH06	dB	3.0	6.0	4.6		
		CH16	dB	3.0	6.0	4.6		
		CH88	dB	3.0	6.0	4.8		
3	AUDIO RESPONSE  REF. 1kHz ± 1kHz Dev.	300Hz	9.2	CH06	dB			
				CH16	dB	7.5	11.5	8.1
				CH88	dB			
		500Hz	9.2	CH06	dB	3	7	
				CH16	dB	3	7	5.5
				CH88	dB	3	7	
		2000Hz	9.2	CH06	dB	-9	-5	
				CH16	dB	-9	-5	-6.8
				CH88	dB	-9	-5	
		3000Hz	9.2	CH06	dB			
				CH16	dB	-14	-9.5	-11.7
				CH88	dB			
4	HUM & NOISE RATIO	@Dev : OFF	9.11	CH06	dB	40		
				CH16	dB	40	43.8	
				CH88	dB	40		
	HUM & NOISE RATIO	@SQ : ON	9.12	CH06	dB	40		
				CH16	dB	40	51.0	
				CH88	dB	40		
5	TOTAL HARMONIC DISTORTION	STANDARD AF OUTPUT	9.1	CH06	%	10		
				CH16	%	10	0.9	
				CH88	%	10		
		@1kHz	MAX VOLUME	CH06	%	10		
				CH16	%	10	28.8	
				CH88	%	10		
	TOTAL HARMONIC DISTORTION	STANDARD AF OUTPUT @300Hz	9.1	CH06	%	10		
				CH16	%	10	1.0	
				CH88	%	10		
STANDARD AF OUTPUT @500Hz	9.1	CH06	%	10				
		CH16	%	10	0.9			
		CH88	%	10				
6	AUDIO OUTPUT POWER	10% THD	9.1	CH06	W	2.8		
				CH16	W	2.8	3.17	
				CH88	W	2.8		
	@13.8VDC	MAX VOLUME	CH06	W	3.5			
			CH16	W	3.5	4.13		
			CH88	W	3.5			
7	CURRENT DRAIN	NO SIGNAL		CH06	mA	650		
				CH16	mA	650	548	
				CH88	mA	650		
		@13.8VDC	STANDARD RATING OUTPUT (0.125W)	CH06	mA			
				CH16	mA		720	
				CH88	mA			
	MAXIMUM RATING OUTPUT (0.3W)	CH06	mA	1300				
		CH16	mA	1300	1091			
		CH88	mA	1300				
8	Co-CHANNEL REJECTION		9.4	CH06	dB	-10	-9.1	
				CH16	dB	-10	-9.3	
				CH88	dB	-10	-9.2	

		RATING OUTPUT (0.3W)		UNIT	MAXIMUM		1300		
					CH16	mA	1300	1091	
8	Co-CHANNEL REJECTION		9.4	CH06	dB	-10	0	-9.1	
				CH16	dB	-10	0	-9.3	
				CH88	dB	-10	0	-9.2	
9	ADJACENT CHANNEL SELECTIVITY	+25kHz	9.5	156.3250	CH06	dB	70	71.7	
				156.8250	CH16	dB	70	71.7	
				162.0500	CH88	dB	70	71.5	
	-25kHz	9.5	156.2750	CH06	dB	70	71.3		
			156.7750	CH16	dB	70	71.5		
			162.0000	CH88	dB	70	71.7		
10	INTER MODULATION REJECTION	+50/+100kHz	9.7	CH06	dB	68	70.0		
				CH16	dB	68	70.0		
				CH88	dB	68	70.5		
	-50/-100kHz	9.7	CH06	dB	68	70.0			
			CH16	dB	68	70.1			
			CH88	dB	68	70.5			
11	IF REJECTION	1st	9.6	21.400	CH06	dB	70	81.5	
				21.400	CH16	dB	70	81.2	
				21.400	CH88	dB	70	80.0	
	2nd	9.6	0.455	CH06	dB	70	109.8		
			0.455	CH16	dB	70	109.8		
			0.455	CH88	dB	70	108.6		
12	IMAGE REJECTION	1st fo-21.4MHz×2	9.6	113.5000	CH06	dB	70	75.3	
				114.0000	CH16	dB	70	75.4	
				119.2250	CH88	dB	70	75.3	
	2nd fo-455kHz×2	9.6	155.3900	CH06	dB	70	88.9		
			155.8900	CH16	dB	70	88.0		
			161.1150	CH88	dB	70	88.7		
13	HARF IF REJECTION	1st fo-21.4MHz/2	9.6	145.6000	CH06	dB	70	96.3	
				146.1000	CH16	dB	70	96.0	
				151.3250	CH88	dB	70	83.0	
	2nd fo-455kHz/2	9.6	156.0725	CH06	dB	70	89.1		
			156.5725	CH16	dB	70	89.0		
			161.7975	CH88	dB	70	89.1		
14	OTHER SPURIOUS EMISSION	fo+14.85MHz	9.6	171.1500	CH06	dB	70	87.0	
				171.6500	CH16	dB	70	87.3	
				176.8750	CH88	dB	70	97.3	
		fo-14.85MHz	9.6	141.4500	CH06	dB	70	95.6	
				141.9500	CH16	dB	70	97.0	
				147.1750	CH88	dB	70	95.6	
	fo+14.85MHz×2	9.6	186.0000	CH06	dB	70	99.3		
			186.5000	CH16	dB	70	99.7		
			191.7250	CH88	dB	70	98.8		
	fo-14.85MHz×2	9.6	126.6000	CH06	dB	70	110.1		
			127.1000	CH16	dB	70	110.1		
			132.3250	CH88	dB	70	99.0		
15	BLOCKING	+1MHz~10MHz	9.8	CH06	dB μV	90	95.8		
				CH16	dB μV	90	95.1		
				CH88	dB μV	90	97.7		
	-1MHz~10MHz	9.8	CH06	dB μV	90	95.6			
			CH16	dB μV	90	95.5			
			CH88	dB μV	90	97.3			
16	CONDUCTED SPURIOUS EMISSION	f X 1	9.9	134.600	CH06	dBm	-57	-83.7	
		f X 2		269.200	CH06	dBm	-57	-90.0	
		f X 3		403.800	CH06	dBm	-57	-89.6	
		f X 4		538.400	CH06	dBm	-57	-88.6	
	ANTENNA TERMINAL	f X 1	9.9	135.100	CH16	dBm	-57	-81.6	
		f X 2		270.200	CH16	dBm	-57	-90.0	
		f X 3		405.300	CH16	dBm	-57	-90.0	
		f X 4		540.400	CH16	dBm	-57	-88.9	
		*: less than -80	f X 1	9.9	140.325	CH88	dBm	-57	-84.0
		f X 2		280.650	CH88	dBm	-57	-90.0	
		f X 3		420.975	CH88	dBm	-57	-88.7	
		f X 4		561.300	CH88	dBm	-57	-90.0	
	17	RESIDUAL NOISE	VOL: MAX SQ: ON		CH06	mV		2	
					CH16	mV		2	0.62
		VOL: MIN SQ: OFF			CH88	mV		2	
					CH06	mV		2	
					CH16	mV		2	0.48
					CH88	mV		2	

No	ITEMS	STATE	EN 301 178 SUBCLAUSE	CH	UNIT	SPEC	UT6048/BS
1	FREQUENCY TOLERANCE (±25°C)	NO MOD	8.1	CH01	PPM	-1.5 ~ 1.5	0.54
				CH14	PPM	-1.5 ~ 1.5	
				CH88	PPM	-1.5 ~ 1.5	
2	CARRIER POWER @HIGH	NO MOD	8.2	CH01	W	6.0 ~ 25.0	20.50
				CH14	W	6.0 ~ 25.0	20.70
				CH88	W	6.0 ~ 25.0	20.80
		NO MOD					
		CH01				21.70	
		CH14				22.00	
	CH88				22.00		
	NO MOD						
	CH01					17.20	
	CH14					17.70	
	CH88					17.70	
	3	CARRIER POWER @LOW	NO MOD	8.2	CH01	W	0.5 ~ 1.0
CH14					W	0.5 ~ 1.0	0.640
CH88					W	0.5 ~ 1.0	0.910
NO MOD							
CH01						0.58	
CH14						0.73	
CH88					0.83		
NO MOD							
CH01						0.970	
CH14						0.890	
CH88						0.960	
4		CURRENT DRAIN @HIGH	NO MOD	8.3	CH01	A	≤ 6
	CH14				A	≤ 6	4.60
	CH88				A	≤ 6	4.64
	NO MOD						
	CH01					4.88	
	CH14					4.87	
	CH88				4.86		
	NO MOD						
	CH01					4.27	
	CH14					4.26	
	CH88					4.25	
	5	CURRENT DRAIN @LOW	NO MOD	8.3	CH01	A	≤ 1.17
CH14					A	≤ 1.17	1.23
CH88					A	≤ 1.25	1.25
NO MOD							
CH01						1.18	
CH14						1.23	
CH88					1.25		
NO MOD							
CH01						1.21	
CH14						1.25	
CH88						1.25	
6		MAX DEV MOD:1MHz 50 mV 1M	HIGH	8.3	CH01	MHz	≤ 5.0
	CH14				MHz	≤ 5.0	
	CH88				MHz	≤ 5.0	
	LOW		8.3	CH01	MHz	≤ 5.0	4.70
				CH14	MHz	≤ 5.0	
				CH88	MHz	≤ 5.0	
	HIGH	8.3	CH01	MHz	≤ 5.0	4.52	
			CH14	MHz	≤ 5.0		
			CH88	MHz	≤ 5.0		
	LOW	8.3	CH01	MHz	≤ 5.0	4.70	
			CH14	MHz	≤ 5.0		
			CH88	MHz	≤ 5.0		
7	LIMITATION MOD:1MHz DEV:1MHz INCREASE 20 dB	HIGH	8.4	CH01	MHz	2.5 ~ 5.0	4.44
				CH14	MHz	2.5 ~ 5.0	
				CH88	MHz	2.5 ~ 5.0	
		LOW	8.4	CH01	MHz	2.5 ~ 5.0	4.87
				CH14	MHz	2.5 ~ 5.0	
				CH88	MHz	2.5 ~ 5.0	
	LIMITATION Input Level MOD:1MHz DEV:1MHz	HIGH	8.4	CH01	dB	≤ 10	1.55
				CH14	dB	≤ 10	
				CH88	dB	≤ 10	
		LOW	8.4	CH01	dB	≤ 10	1.55
				CH14	dB	≤ 10	
				CH88	dB	≤ 10	
8	BIC. SENS. ± 3kHz DEV	HIGH	8.4	CH01	dB	≤ 10	4.74
				CH14	dB	≤ 10	
				CH88	dB	≤ 10	
		LOW	8.4	CH01	dB	≤ 10	4.74
				CH14	dB	≤ 10	
				CH88	dB	≤ 10	
9	MODULATION FREQUENCY RESPONSE 1kHz ± 1.0kHz DEV REF 57.8 67.2 -9.6	300Hz	8.6	CH01	dB	-13.5 ~ -9.5	-11.8
				CH14	dB	-13.5 ~ -9.5	
				CH88	dB	-13.5 ~ -9.5	
		500Hz	8.6	CH01	dB	-9 ~ -5	-6.3
				CH14	dB	-9 ~ -5	
				CH88	dB	-9 ~ -5	
	2000Hz	8.6	CH01	dB	3 ~ 7	5.6	
			CH14	dB	3 ~ 7		
			CH88	dB	3 ~ 7		
	3000Hz	8.6	CH01	dB	6.5 ~ 10.5	7.2	
			CH14	dB	6.5 ~ 10.5		
			CH88	dB	6.5 ~ 10.5		
10	NUMERICAL RATIO ± 3kHz DEV FLT:CCITT De-ref:750µs	HIGH	8.10	CH01	dB	40 ≤	56.8
				CH14	dB	40 ≤	
				CH88	dB	40 ≤	
		LOW	8.10	CH01	dB	40 ≤	54.7
				CH14	dB	40 ≤	
				CH88	dB	40 ≤	
11	DISTORTION @1kHz De-ref:750µs	HIGH	8.7	CH01	%	≤ 10	0.6
				CH14	%	≤ 10	
				CH88	%	≤ 10	
		LOW	8.7	CH01	%	≤ 10	9.7
				CH14	%	≤ 10	
				CH88	%	≤ 10	
	DISTORTION @100kHz De-ref:750µs	HIGH	8.7	CH01	%	≤ 10	2.3
				CH14	%	≤ 10	
				CH88	%	≤ 10	
		LOW	8.7	CH01	%	≤ 10	2.3
				CH14	%	≤ 10	
				CH88	%	≤ 10	
DISTORTION @500kHz De-ref:750µs	HIGH	8.7	CH01	%	≤ 10	1.5	
			CH14	%	≤ 10		
			CH88	%	≤ 10		
	LOW	8.7	CH01	%	≤ 10	1.5	
			CH14	%	≤ 10		
			CH88	%	≤ 10		
12	ADJACENT CHANNEL POWER MOD:1.25kHz DEV:3.0kHz INCREASE 20 dB	HIGH UPPER	8.8	CH01	dB	70 ≤	71.1
				CH14	dB	70 ≤	
				CH88	dB	70 ≤	
		HIGH LOWER	8.8	CH01	dB	70 ≤	71.8
				CH14	dB	70 ≤	
				CH88	dB	70 ≤	
	LOW UPPER	8.8	CH01	dB	70 ≤	70.7	
			CH14	dB	70 ≤		
			CH88	dB	70 ≤		
	LOW LOWER	8.8	CH01	dB	70 ≤	70.0	
			CH14	dB	70 ≤		
			CH88	dB	70 ≤		
13	SPURIOUS EMISSION @HIGH 0.25µW OTHER OUTBAND	OTHER OUTBAND	8.9	CH01 Fc12	dBm	≤ -38	-37.0
				Fc13	dBm	≤ -38	-38.0
				Fc14	dBm	≤ -38	-46.5
				CH14 Fc12	dBm	≤ -38	-37.3
				Fc13	dBm	≤ -38	-38.3
				Fc14	dBm	≤ -38	-46.2
	CH88 Fc12	dBm	≤ -38	-38.8			
	Fc13	dBm	≤ -38	-38.4			
	Fc14	dBm	≤ -38	-45.9			
	SPURIOUS EMISSION @LOW 0.25µW OTHER OUTBAND	OTHER OUTBAND	8.9	CH01 Fc12	dBm	≤ -38	-37.5
				Fc13	dBm	≤ -38	-34.4
				Fc14	dBm	≤ -38	-37.8
CH14 Fc12				dBm	≤ -38	-36.3	
Fc13				dBm	≤ -38	-35.3	
Fc14				dBm	≤ -38	-39.8	
CH88 Fc12	dBm	≤ -38	-37.0				
Fc13	dBm	≤ -38	-35.2				
Fc14	dBm	≤ -38	-45.0				

No	ITEMS	STATE	EN 301 178 SUBCLAUSE	CH	UNIT	SPEC	UT604B/WS	
1	FREQUENCY TOLERANCE (±25°C)	NO MOD	8.1	CH01	PPM	-1.5 ~ 1.5		
				CH14	PPM	-1.5 ~ 1.5	0.54	
				CH88	PPM	-1.5 ~ 1.5		
2	CARRIER POWER @HIGH	NO MOD 13.8	8.2	CH01	W	6.0 ~ 25.0	20.50	
				CH14	W	6.0 ~ 25.0	20.70	
				CH88	W	6.0 ~ 25.0	20.80	
		NO MOD 15.6		CH01				21.70
				CH14				22.00
				CH88				22.00
	NO MOD 10.8		CH01	W			17.20	
			CH14	W			17.40	
			CH88	W			17.70	
	CARRIER POWER @LOW	NO MOD 13.8	8.2	CH01	W	0.5 ~ 1.0	0.660	
				CH14	W	0.5 ~ 1.0	0.640	
				CH88	W	0.5 ~ 1.0	0.910	
NO MOD 15.6			CH01	W			0.56	
			CH14	W			0.73	
			CH88	W			0.83	
NO MOD 10.8		CH01	W			0.970		
		CH14	W			0.890		
		CH88	W			0.960		
3	CURRENT DRAIN @HIGH	NO MOD 13.8		CH01	A	~ ~ ~ 6	4.73	
				CH14	A	~ ~ ~ 6	4.68	
				CH88	A	~ ~ ~ 6	4.64	
		NO MOD 15.6		CH01	A			4.68
				CH14	A			4.67
				CH88	A			4.66
	NO MOD 10.8		CH01	A			4.27	
			CH14	A			4.26	
			CH88	A			4.25	
	CURRENT DRAIN @LOW	NO MOD 13.8		CH01	A			1.17
				CH14	A			1.23
				CH88	A			1.25
NO MOD 15.6			CH01	A			1.16	
			CH14	A			1.21	
			CH88	A			1.25	
NO MOD 10.8		CH01	mA			1.21		
		CH14	mA			1.25		
		CH88	mA			1.25		
4	MAX DEV  MOD:1kHz 50 mV IN	HIGH	8.3	CH01	+kHz	~ ~ ~ 5.0		
				CH14	+kHz	~ ~ ~ 5.0	4.52	
				CH88	+kHz	~ ~ ~ 5.0		
		HIGH	8.3	CH01	-kHz	~ ~ ~ 5.0		
				CH14	-kHz	~ ~ ~ 5.0	4.70	
				CH88	-kHz	~ ~ ~ 5.0		
	LOW	8.3	CH01	+kHz	~ ~ ~ 5.0			
			CH14	+kHz	~ ~ ~ 5.0	4.52		
			CH88	+kHz	~ ~ ~ 5.0			
	LOW	8.3	CH01	-kHz	~ ~ ~ 5.0			
			CH14	-kHz	~ ~ ~ 5.0	4.70		
			CH88	-kHz	~ ~ ~ 5.0			
5	LIMITATION  MOD:1kHz DEV:1kHz INCREASE 20 dB	HIGH	8.4	CH01	+kHz	3.5 ~ 5.0		
				CH14	+kHz	3.5 ~ 5.0	4.44	
				CH88	+kHz	3.5 ~ 5.0		
	LOW	8.4	CH01	-kHz	3.5 ~ 5.0			
			CH14	-kHz	3.5 ~ 5.0	4.67		
			CH88	-kHz	3.5 ~ 5.0			
5	LIMITATION Input Level MOD:1kHz DEV:1kHz	HIGH	8.4	CH01	mV			
				CH14	mV		1.55	
				CH88	mV			
	LOW	8.4	CH01	mV				
			CH14	mV		1.55		
			CH88	mV				
6	MIC. SENS.  ±3kHz DEV	HIGH		CH01	mV	~ ~ ~ 10		
				CH14	mV	~ ~ ~ 10	4.74	
				CH88	mV	~ ~ ~ 10		
	LOW		CH01	mV	~ ~ ~ 10			
			CH14	mV	~ ~ ~ 10	4.74		
			CH88	mV	~ ~ ~ 10			
7	MORPH ATION		8.6	CH01	dB	-13.5 ~ -9.5		

6	MIC. SENS. ±3kHz DEV	HIGH		CH01	mV	10		
				CH14	mV	10		4.74
			CH88	mV	10			
	LOW		CH01	mV	10			
			CH14	mV	10		4.74	
			CH88	mV	10			
7	MODULATION FREQUENCY RESPONSE	300Hz	8.6	CH01	dB	-13.5	-9.5	
				CH14	dB	-13.5	-9.5	-11.8
				CH88	dB	-13.5	-9.5	
	1kHz ± 1.0kHz DEV REF	500Hz	8.6	CH01	dB	-9	-5	
				CH14	dB	-9	-5	-6.3
				CH88	dB	-9	-5	
	57.6 67.2 -9.6	2000Hz	8.6	CH01	dB	3	7	
				CH14	dB	3	7	5.6
				CH88	dB	3	7	
	3000Hz	8.6	CH01	dB	6.5	10.5		
				CH14	dB	6.5	10.5	7.2
				CH88	dB	6.5	10.5	
8	HUM NOISE RATIO ±3kHz DEV	HIGH	8.10	CH01	dB	40		
				CH14	dB	40		56.8
			CH88	dB	40			
	LOW	8.10	CH01	dB	40			
			CH14	dB	40		54.7	
			CH88	dB	40			
9	DISTORTION @1kHz	HIGH	8.7	CH01	%	10		
				CH14	%	10		0.6
				CH88	%	10		
	De-emf: 750 μs	LOW	8.7	CH01	%	10		
				CH14	%	10		0.7
				CH88	%	10		
	DISTORTION @300Hz	HIGH	8.7	CH01	%	10		
				CH14	%	10		2.3
				CH88	%	10		
	De-emf: 750 μs	LOW	8.7	CH01	%	10		
				CH14	%	10		2.3
				CH88	%	10		
DISTORTION @500Hz	HIGH	8.7	CH01	%	10			
			CH14	%	10		1.5	
			CH88	%	10			
De-emf: 750 μs	LOW	8.7	CH01	%	10			
			CH14	%	10		1.5	
			CH88	%	10			
10	ADJACENT CHANNEL POWER MOD: 1.25kHz DEV: 3.0kHz INCREASE 20 dB	HIGH UPPER	8.8	CH01	dB	70		
				CH14	dB	70		71.1
				CH88	dB	70		
	HIGH LOWER	8.8	CH01	dB	70			
			CH14	dB	70		71.2	
			CH88	dB	70			
ADJACENT CHANNEL POWER MOD: 1.25kHz DEV: 3.0kHz INCREASE 20 dB	LOW UPPER	8.8	CH01	dB	70			
			CH14	dB	70		70.7	
			CH88	dB	70			
LOW LOWER	8.8	CH01	dB	70				
		CH14	dB	70		70.6		
		CH88	dB	70				
11	SPURIOUS EMISSION  @HIGH  0.25uW	OTHER OUTBAND	8.9	CH01	FcX2	dBm	-36	-37.0
				FcX3	dBm	-36	-38.0	
				FcX4	dBm	-36	-46.5	
				CH14	FcX2	dBm	-36	-37.3
				FcX3	dBm	-36	-38.3	
				FcX4	dBm	-36	-46.2	
				CH88	FcX2	dBm	-36	-36.8
				FcX3	dBm	-36	-38.4	
				FcX4	dBm	-36	-45.9	
	SPURIOUS EMISSION  @LOW  0.25uW	OTHER OUTBAND	8.9	CH01	FcX2	dBm	-36	-37.5
				FcX3	dBm	-36	-54.4	
				FcX4	dBm	-36	-57.9	
				CH14	FcX2	dBm	-36	-36.8
				FcX3	dBm	-36	-55.3	
				FcX4	dBm	-36	-59.8	
				CH88	FcX2	dBm	-36	-37.0
				FcX3	dBm	-36	-55.2	
				FcX4	dBm	-36	-65.0	

# 使用測定器一覧

DATE: 2004/11/29

UNI-NO.: UT604BH

MODEL : Oceanus DSC/ATIS

計測日	2004/11/19 - 04/11/22
計測目的	Working Sample
計測台数	1pcs
計測温度	23deg
計測湿度	20.0%
計測者	駒崎、木村

使用した場合は○、使用していない場合は-、  
またはN/Aを記入。

使用欄	計測器名 (型式、メーカー)			ENG NO.	校正実施日	有効期限
○	DC POWER SUPPLY	PAD35-10L	KIKUSUI	ENG-0495	(MONITOR)	
○	MULTIMETER	E2373A	HP	ENG-0545	2004/5/14	2005/5/E
○	RF COMMUNICATION TEST SET	HP8920B	HP	ENG-0668	2003/11/25	2004/11/E
○	RF COMMUNICATION TEST SET	HP8920A	HP	ENG-1627	2004/8/13	2005/8/E
-	FREQUENCY COUNTER					
○	MODULATION ANALYZER	HP8901B	HP	ENG-1854	(MONITOR)	
○	AUDIO ANALYZER	HP8903B	HP	ENG-1154	2003/11/4	2004/11/E
○	AUDIO ANALYZER	HP8903B	HP	ENG-0662	2004/9/1	2005/9/E
○	SPECTRUM ANALYZER	R3361C	ADVANTEST	ENG-0718	2004/4/23	2005/4/E
○	SYNTHESIZED SIGNAL GENERATOR	MG3602A8	ANRITSU	ENG-2110	2004/5/21	2005/5/E
○	SYNTHESIZED SIGNAL GENERATOR	HP8644B	HP	ENG-1638	2004/7/14	2005/7/E
○	SYNTHESIZED SIGNAL GENERATOR	HP8644B	HP	ENG-1639	2004/7/14	2005/7/E
○	OSCILLOSCOPE	COR5501	KIKUSUI	ENG-1278	(MONITOR)	

(注意) MONITOR機器使用時には、必ずどのようにして校正したかを記入のこと。  
また必要に応じてMONITORを使用した測定項目及び使用した理由を記入すること。

DC POWER SUPPLYはMULTIMETERで校正。  
OSCILLOSCOPEからはDATA未取得。