

CAR FREQUENCY

MODE	FREQUENCY (MHz)
USB	10 6935
CW(R)	10 6935
CW(T)	10 6943
LSB	10 6965

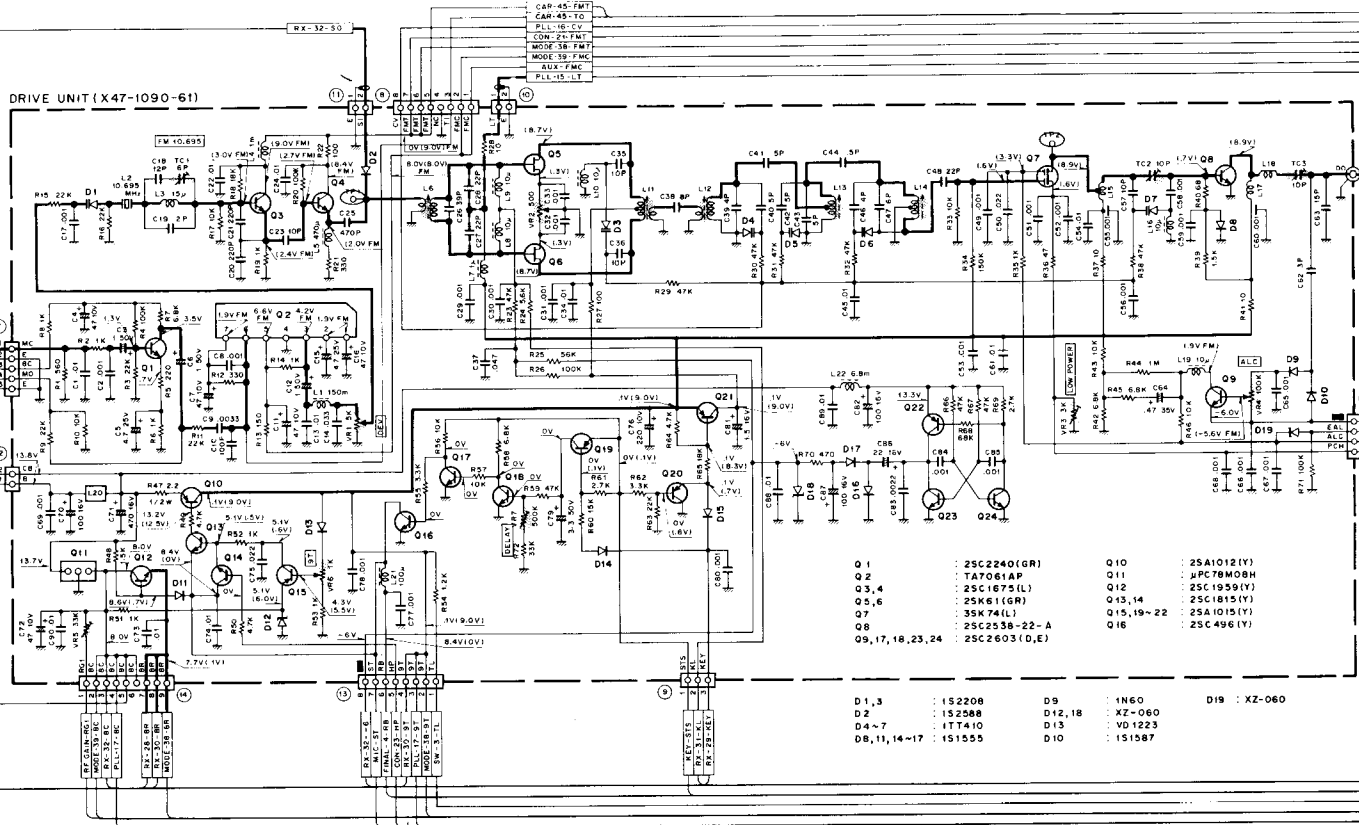
HET FREQUENCY(VCO)

MODE	FREQUENCY(MHz)
FM	133.405
	~138.304
USB	133.4065
CW	~138.3064
LSB	133.4035
	~138.3034

Signal line Control line Common DC line

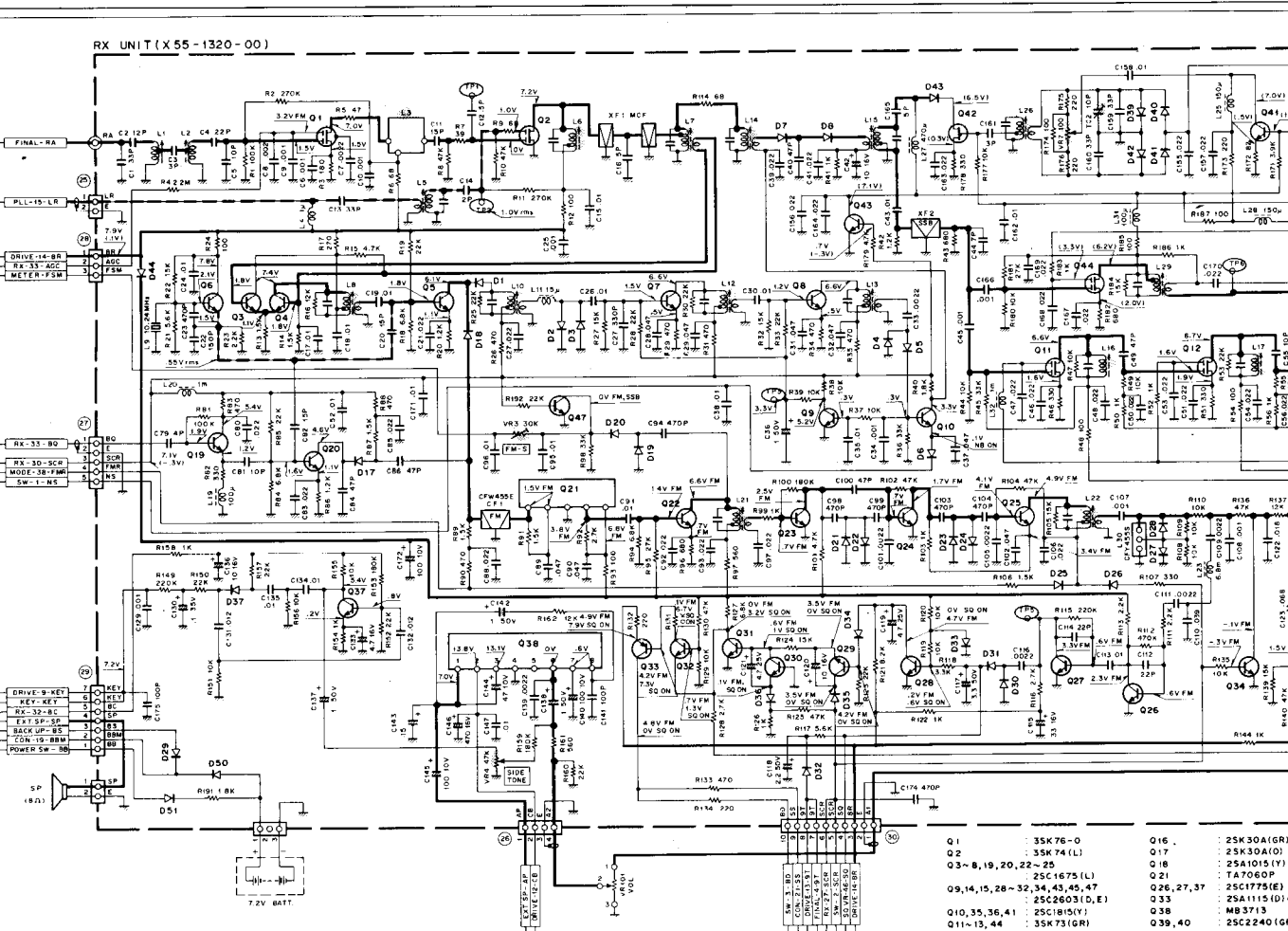
SCHEMATIC DI

DRIVE UNIT (X47-1090-61)



- | | | | |
|--------------------|----------------|------------|------------------|
| Q 1 | : 25C2240(GR) | Q10 | : 25A1012(Y) |
| Q 2 | : TA7061AP | Q11 | : μ PC78M08H |
| Q 3, 4 | : 25C1675(L) | Q12 | : 25C1059(V) |
| Q 5, 6 | : 25K61(GR) | Q13, 14 | : 25C1815(Y) |
| Q 7 | : 35K74(L) | Q15, 19-22 | : 25A1015(Y) |
| Q 8 | : 25C2538-22-A | Q16 | : 25C496(Y) |
| Q9, 17, 18, 23, 24 | : 25C2603(D,E) | | |
-
- | | | | | | |
|----------------|----------|---------|----------|-----|----------|
| D 1, 3 | : 152208 | D 9 | : 1N60 | D19 | : XZ-060 |
| D 2 | : 152088 | D12, 18 | : XZ-060 | | |
| D 4-7 | : 1T7410 | D13 | : VD1223 | | |
| D 8, 11, 14-17 | : 151555 | D10 | : 151587 | | |

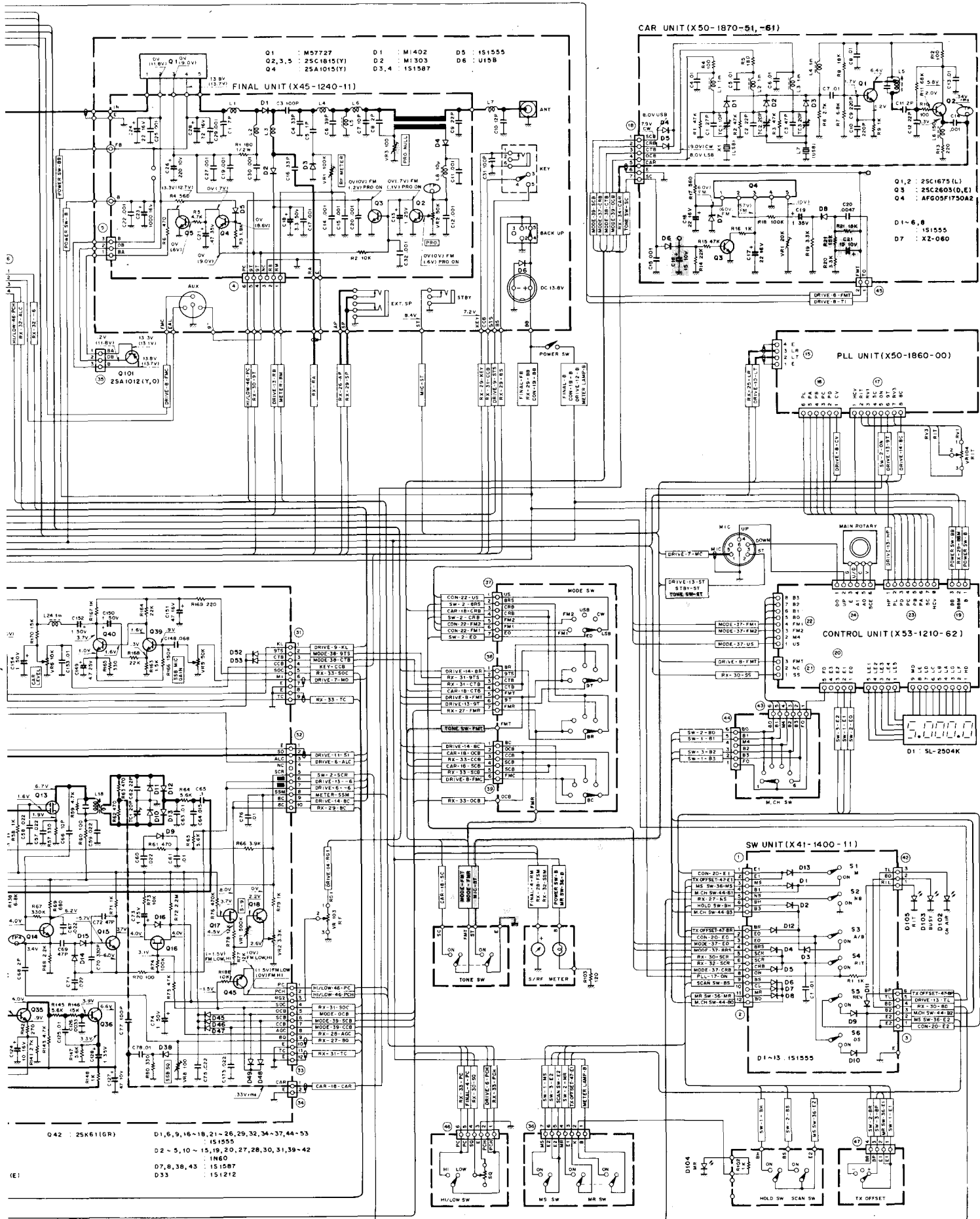
RX UNIT (X55-1320-00)



- | | | | |
|-----------------------------------|----------------|-------------|---------------|
| Q 1 | : 35K76-0 | Q16 | : 25K30A(GR) |
| Q 2 | : 35K74(L) | Q17 | : 25K30A(O) |
| Q 3-8, 19, 20, 22-25 | : 25C1675(L) | Q18 | : 25A1015(Y) |
| Q9, 14, 15, 28-32, 34, 43, 45, 47 | : 25C1675(L) | Q21 | : TA7060P |
| Q10, 35, 36, 41 | : 25C2603(D,E) | Q26, 27, 37 | : 25C1775(E) |
| Q11-13, 44 | : 35K73(GR) | Q33 | : 25A1115(OI) |
| | | Q38 | : MB3713 |
| | | Q39, 40 | : 25C2240(GR) |

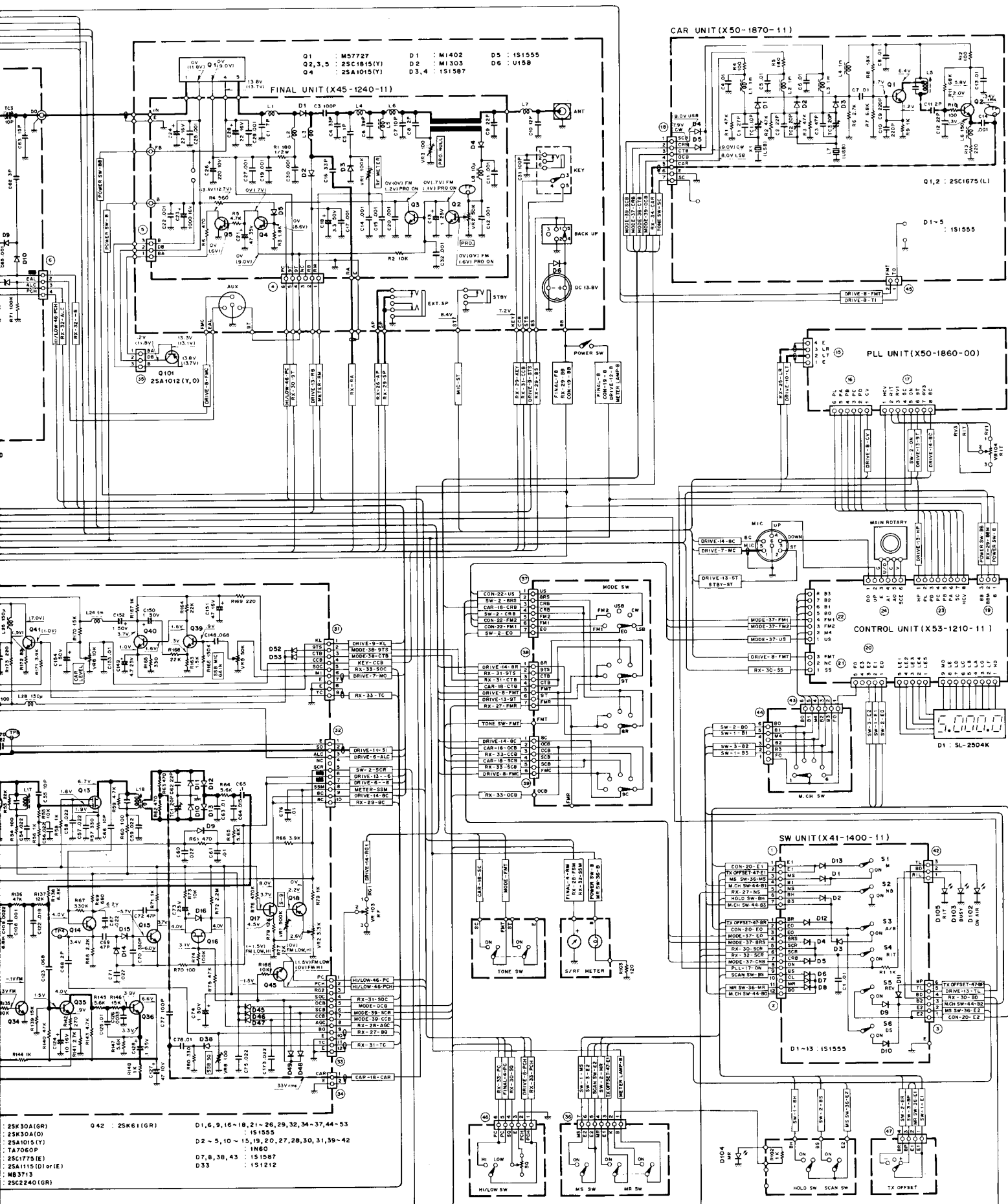
AGRAM (W, T)

Voltage measurement conditions
f = 145.000 MHz, MODE USB, RX no signal. (): TX



WIRING DIAGRAM (K, M)

Voltage measurement conditions
 f = 145.000 MHz, MODE USB, RX no signal. () : TX



- Q1 : M57727
- Q2, 3, 5 : 25C1815 (Y)
- Q4 : 25A1015 (Y)
- D1 : M1402
- D2 : M1303
- D3, 4 : 1S1587
- D5 : 1S1555
- D6 : U158

FINAL UNIT (X45-1240-11)

CAR UNIT (X50-1870-11)

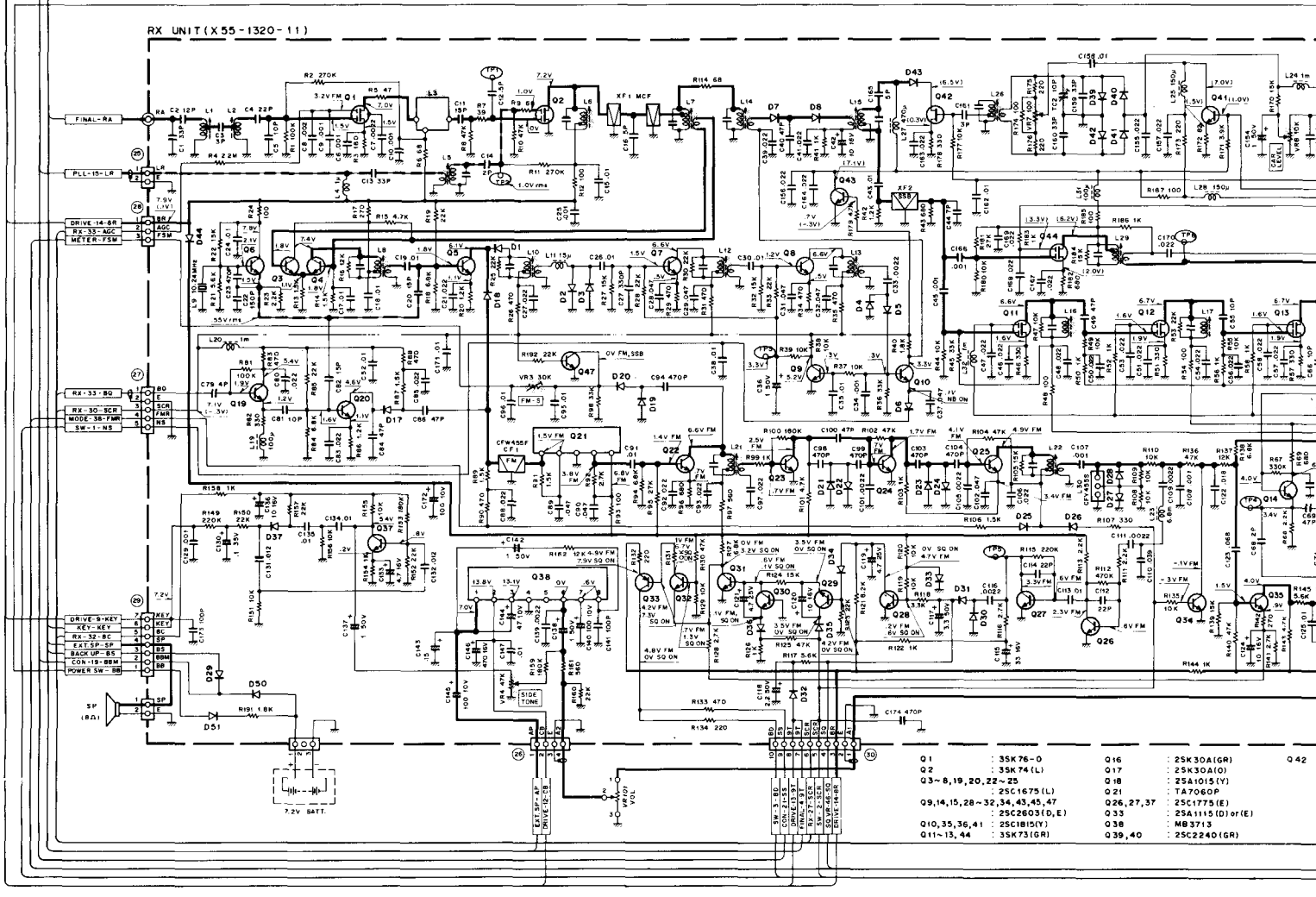
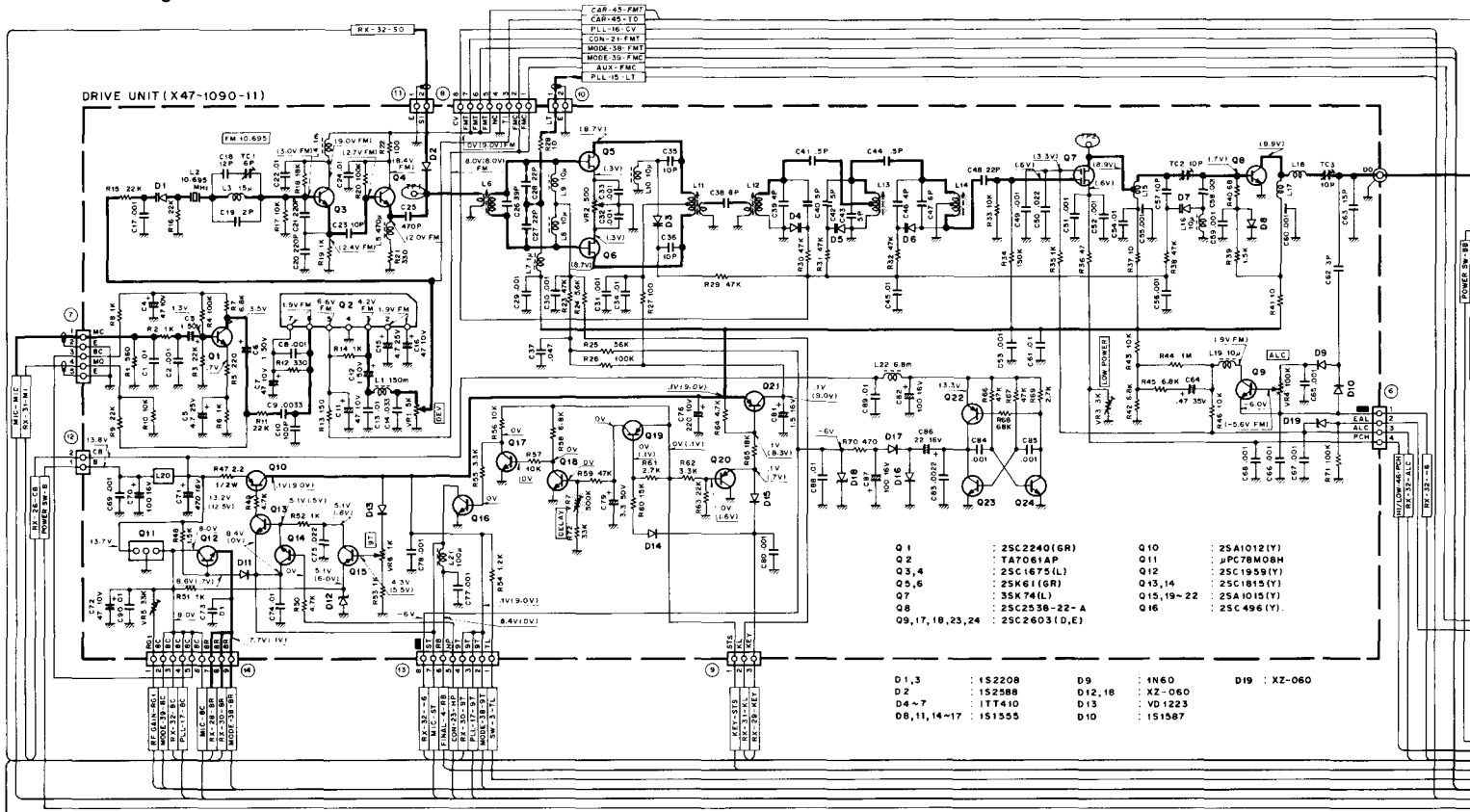
PLL UNIT (X50-1860-00)

CONTROL UNIT (X53-1210-11)

SW UNIT (X41-1400-11)

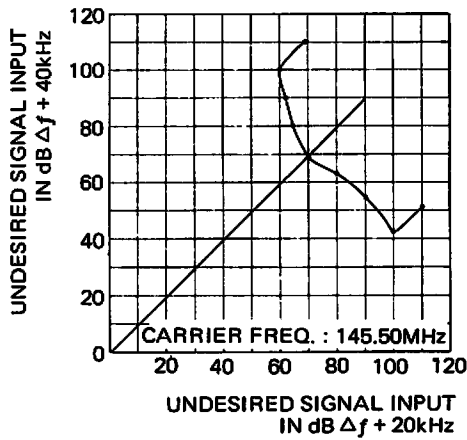
- 25K30A (GR)
- 25K30A (O)
- 25A1015 (Y)
- TA7060P
- 25C1775 (E)
- 25A1115 (D) or (E)
- MB 713
- 25C2240 (GR)
- Q42 : 25K61 (GR)
- D1, 6, 9, 16-18, 21-26, 29, 32, 34-37, 44-53 : 1S1555
- D2-5, 10-15, 19, 20, 27, 28, 30, 31, 39-42 : 1N60
- D7, 8, 38, 43 : 1S1587
- D33 : 1S1212

— Signal line - - - Control line — Common DC line

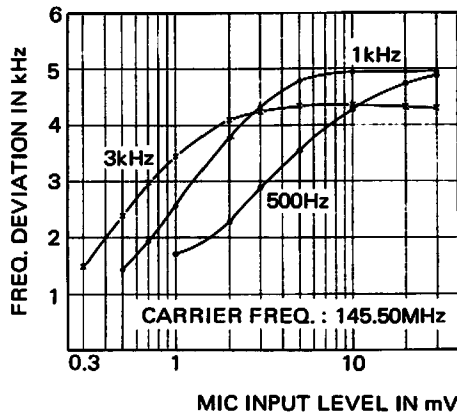


REFERENCE DATA

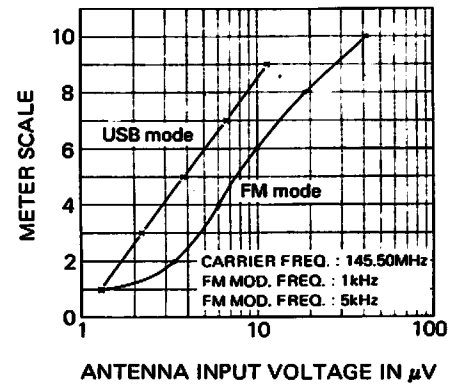
[Inter modulation] FM mode



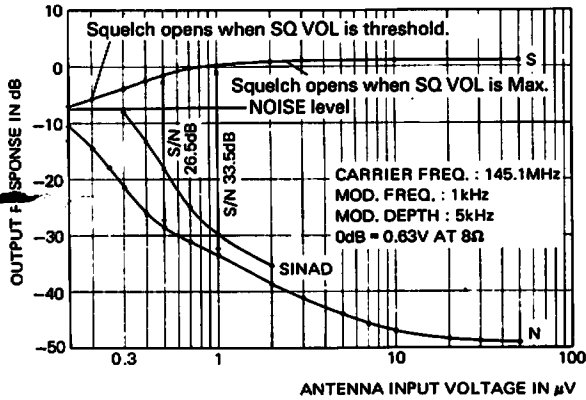
[Frequency deviation] FM mode



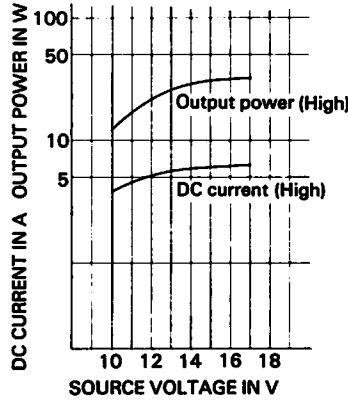
[S meter characteristics] FM and USB mode



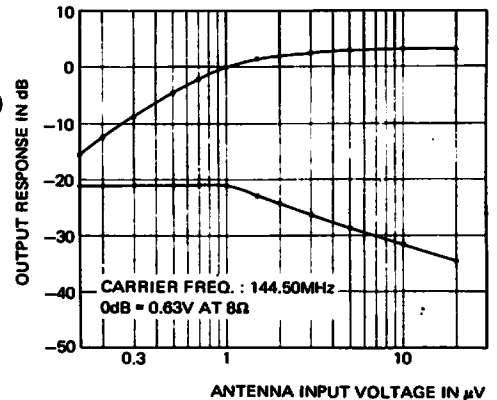
[Reception sensitivity characteristics] FM mode



[Output power] FM mode



[Reception sensitivity characteristics] USB mode



Note: ANTENNA INPUT VOLTAGE value indicates as SSG's open circuit.

- 2SA1015
- 2SC1675 2SC1923
- 2SC1775 2SC1959
- 2SC1815 2SC2240

2SC2538-22-A

2SA1012

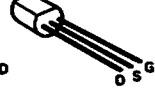
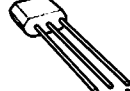
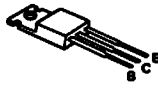
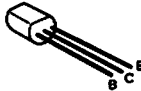
2SC496

2SA1115
2SC2603

2SK19

2SK30A

2SK61



3SK73

3SK74

3SK76-O

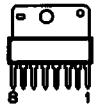
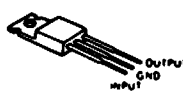
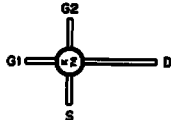
μPC78M05H
μPC78M08H

NJM78L05A

TA7060P

TA7061AP

MB3713



MA522

VD1223

SLP-144B
SLP-244B

PR5532K
PY5532K

