

**LAMPIRAN 1**  
**DATA PERCOBAAN**

Data ke-	RSCP			
	HUKUM (dBm)	FIA (dBm)	FEB (dBm)	Widyaloka (dBm)
1	-80	-69	-76	-62,5
2	-79	-67,5	-70,5	-65
3	-76	-62	-85	-69,5
4	-75	-63	-76	-67,5
5	-82,5	-62,5	-79	-62
6	-80	-65	-79,5	-63
7	-75,5	-69,5	-72	-69
8	-74	-71	-74	-70,5
9	-80,5	-66	-73	-65
10	-83	-69,5	-77,5	-66
11	-89,5	-87	-77	-89
12	-89	-88	-68	-67,5
13	-70,5	-69	-69,5	-62
14	-85	-69,5	-77,5	-63
15	-76	-79,5	-73,5	-62,5
16	-79	-77,5	-77	-65
17	-79,5	-67	-75	-69,5
18	-87	-81	-61,5	-66
19	-88,5	-77,5	-76	-66
20	-82,5	-73,5	-79	-67
21	-82	-66	-79,5	-62
22	-84	-72	-82	-63
23	-89	-71	-76	-62,5
24	-89	-68,5	-78	-88,5
25	-77	-82,5	-83,5	-69
26	-78,5	-66,5	-77	-67,5
27	-80,5	-76	-78,5	-62
28	-82,5	-75,5	-81	-63
29	-70,5	-78,5	-70,5	-62,5
30	-76	-67,5	-66	-65
31	-88	-77	-67,5	-69,5
32	-89	-78	-70,5	-66
33	-87,5	-63,5	-76	-66
34	-85,5	-72,5	-65	-67
35	-84,5	-73,5	-67,5	-79
36	-80	-83	-72,5	-79,5

Data ke-	Ec/No			
	HUKUM (dB)	FIA (dB)	FEB (dB)	Widyaloka (dB)
1	-6	-6,5	-12	-12,5
2	-6,5	-7	-11	-14,5
3	-7,5	-7,5	-10	-14,5
4	-7	-7,5	-10,5	-15
5	-8,5	-8	-9,5	-12
6	-8	-9,5	-8	-10
7	-8,5	-7	-10	-11
8	-8,5	-6,5	-6,5	-9,5
9	-6	-7,5	-6	-9
10	-6,5	-8	-7,5	-9
11	-6,5	-8,5	-8,5	-12,5
12	-9	-8	-10	-15
13	-9,5	-7	-10	-15,5
14	-9	-7,5	-12	-16,5
15	-12	-6	-14	-16
16	-6,5	-6,5	-14,5	-16
17	-7,5	-6,5	-7,5	-9
18	-7	-7	-8,5	-9,5
19	-8,5	-7,5	-8,5	-10
20	-8	-9	-9	-9,5
21	-7,5	-9,5	-9,5	-10
22	-7	-12	-10	-10
23	-8,5	-6,5	-11	-10,5
24	-8	-6,5	-12,5	-12,5
25	-8,5	-12	-10	-11
26	-9	-12,5	-8,5	-14,5
27	-9,5	-7,5	-9,5	-12
28	-9	-8,5	-6,5	-6
29	-12	-11	-6,5	-6,5
30	-6,5	-10,5	-6	-7,5
31	-7,5	-10	-7,5	-8,5
32	-7	-11	-8	-7,5
33	-8,5	-8,5	-9	-8,5
34	-8	-6,5	-9,5	-11
35	-8,5	-5,5	-12	-9
36	-9	-5	-11	-9,5

Data ke-	RSCP			
	HUKUM (dBm)	FIA (dBm)	FEB (dBm)	Widyaloka (dBm)
37	-87	-63	-73,5	-70,5
38	-86,5	-71	-77	-68
39	-72,5	-66	-68	-67,5
40	-77	-67,5	-69,5	-62
41	-75	-62	-76	-63
42	-80	-79	-70,5	-62,5
43	-81	-59,5	-85	-65
44	-89	-61	-76	-69,5
45	-90	-69,5	-79	-67,5
46	-76	-81,5	-79,5	-66
47	-70,5	-65,5	-69	-69
48	-85	-66	-77,5	-80
49	-76	-65,5	-66	-76
50	-79	-76	-77	-62
51	-79,5	-78	-78,5	-63
52	-87	-69	-80	-62,5
53	-88,5	-70	-72	-88,5
54	-82,5	-77	-74	-82,5
55	-82	-77,5	-73	-69
56	-84	-69	-66	-67,5
57	-89	-85	-67	-68,5
58	-89	-67	-77,5	-62
59	-77	-79,5	-77	-62,5
60	-78,5	-67,5	-68	-65
61	-80	-66	-72	-65
62	-72	-82,5	-74	-68,5
63	-74	-72	-76	-66
64	-73	-78	-79	-69
65	-88,5	-79	-68,5	-80
66	-90	-65	-77,5	-82,5
67	-77,5	-66,5	-77	-77,5
68	-77	-91	-67,5	-62
69	-82,5	-67	-77,5	-63
70	-85	-67,5	-66,5	-62,5
71	-89,5	-66,5	-68	-76
72	-89	-77	-76	-69
73	-80	-74	-78	-67,5
74	-98	-61,5	-65	-62
75	-99	-61,5	-72	-66
76	-90	-67	-78	-62,5

Data ke-	Ec/No			
	HUKUM (dB)	FIA (dB)	FEB (dB)	Widyaloka (dB)
37	-9,5	-5	-10,5	-9
38	-9	-5,5	-10,5	-9
39	-12	-9,5	-8,5	-9,5
40	-6,5	-5	-9,5	-9,5
41	-9	-5,5	-9,5	-9,5
42	-12	-5	-6,5	-11
43	-6,5	-6,5	-8,5	-10
44	-9	-6,5	-7,5	-10,5
45	-9,5	-6	-9,5	-11
46	-9	-7,5	-7	-12,5
47	-12	-7	-12	-13
48	-6,5	-7,5	-6	-13,5
49	-7	-8,5	-9	-14
50	-8,5	-8	-12	-12
51	-8	-9	-14	-12
52	-8,5	-9	-14,5	-12,5
53	-7,5	-7,5	-14,5	-11
54	-7	-6	-15	-11
55	-8,5	-6	-15	-9
56	-8	-6,5	-14	-9,5
57	-11	-7,5	-12	-10
58	-7,5	-9	-11	-11
59	-7	-8,5	-9,5	-12
60	-8,5	-12	-10	-14
61	-8	-11	-11	-14,5
62	-8,5	-5,5	-12	-14,5
63	-7,5	-5	-12	-15
64	-7	-5	-12	-10
65	-8,5	-6,5	-12,5	-11
66	-7,5	-6	-12,5	-12
67	-7	-6	-9,5	-12
68	-8,5	-6,5	-9	-12
69	-8	-7,5	-12	-12,5
70	-8,5	-7	-12,5	-12,5
71	-9,5	-8,5	-6,5	-9,5
72	-9	-7,5	-5	-9
73	-12	-9	-6	-11,5
74	-14,5	-11	-6	-11
75	-14	-10	-6	-11
76	-13,5	-9,5	-6,5	-12,5

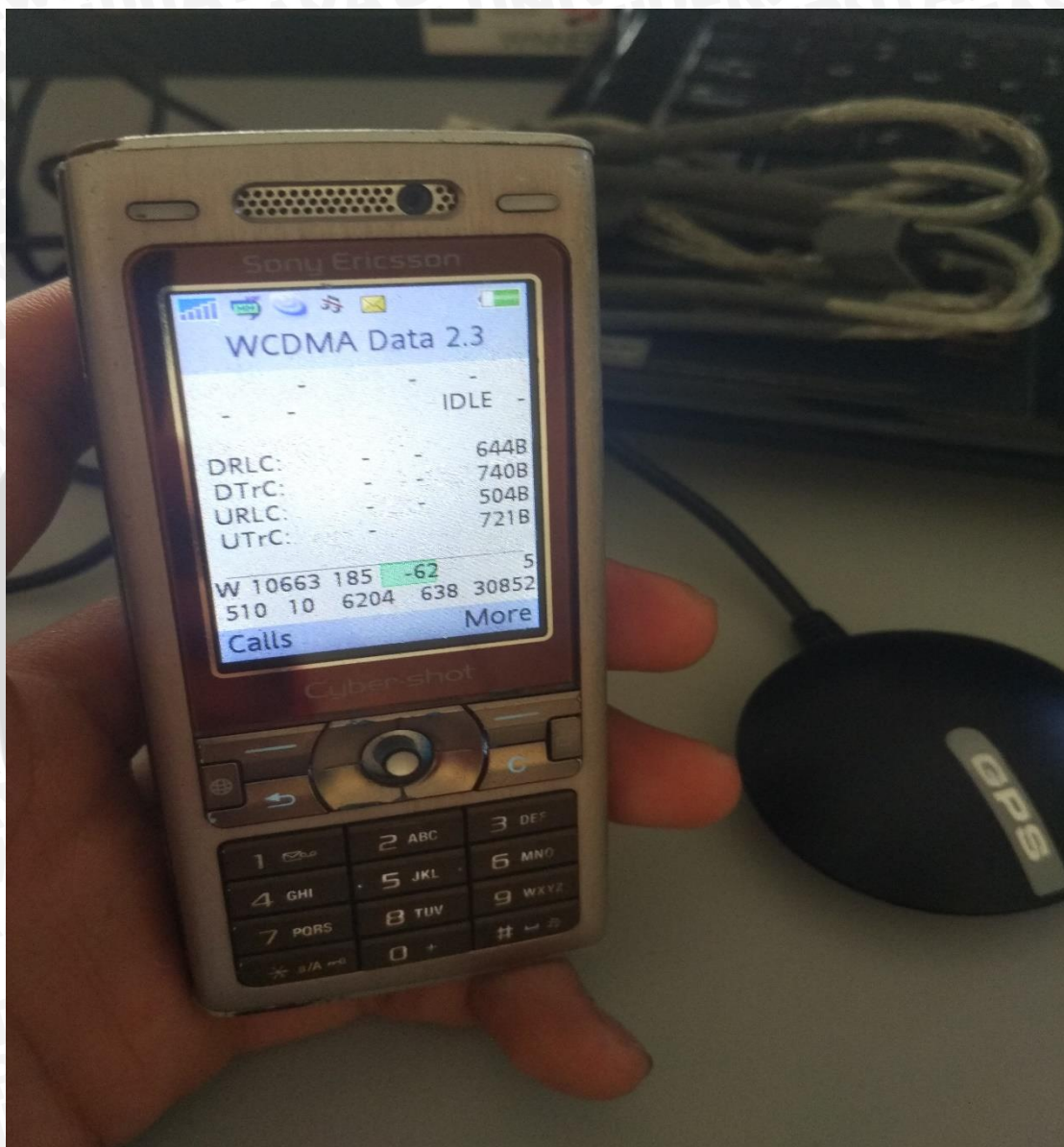
Data ke-	RSCP			
	HUKUM (dBm)	FIA (dBm)	FEB (dBm)	Widyaloka (dBm)
77	-76	-69	-79	-65
78	-101,5	-69,5	-65,5	-69
79	-85	-68	-76	-65,5
80	-76	-76,5	-79	-66
81	-79	-77,5	-75	-68
82	-88,5	-61,5	-76	-76
83	-90	-61,5	-78	-79
84	-77,5	-67	-67,5	-62
85	-89,5	-69	-77	-63
86	-82,5	-69,5	-78,5	-62,5
87	-85	-68	-66	-69
88	-89,5	-67	-76,5	-67,5
89	-89	-68	-77,5	-62
90	-81,5	-66,5	-66	-63
91	-81	-79	-69,5	-62,5
92	-89	-68	-74,5	-65
93	-90	-69,5	-75	-69,5
94	-85	-74,5	-76	-66
95	-89	-75	-78	-66,5
96	-85	-76	-67,5	-68
97	-87	-78	-66,5	-77,5
98	-86,5	-64	-75	-62
99	-88,5	-64,5	-76	-63
100	-90	-65,5	-78	-62,5

Data ke-	Ec/No			
	HUKUM (dB)	FIA (dB)	FEB (dB)	Widyaloka (dB)
77	-16,5	-9,5	-8,5	-12
78	-16	-9	-12	-12
79	-17	-8,5	-11,5	-14,5
80	-12	-8,5	-11	-14
81	-10	-8	-11	-13,5
82	-7,5	-8	-12,5	-16,5
83	-7	-7,5	-12	-7,5
84	-8,5	-6,5	-12,5	-12
85	-8	-6,5	-12,5	-12,5
86	-8,5	-7	-14,5	-10
87	-6	-8,5	-13,5	-10,5
88	-6,5	-8,5	-13	-12,5
89	-7,5	-9	-13,5	-12,5
90	-12	-9	-12	-14,5
91	-12,5	-8,5	-11	-13,5
92	-10	-9,5	-5,5	-13
93	-10,5	-5,5	-6	-13,5
94	-7,5	-5	-6	-12
95	-7	-5	-6	-11
96	-8,5	-5,5	-16,5	-8,5
97	-8	-8,5	-16	-12
98	-8,5	-8,5	-11,5	-11,5
99	-11	-5	-16	-11
100	-11,5	-5	-15	-9,5



## LAMPIRAN 2

### FOTO ALAT



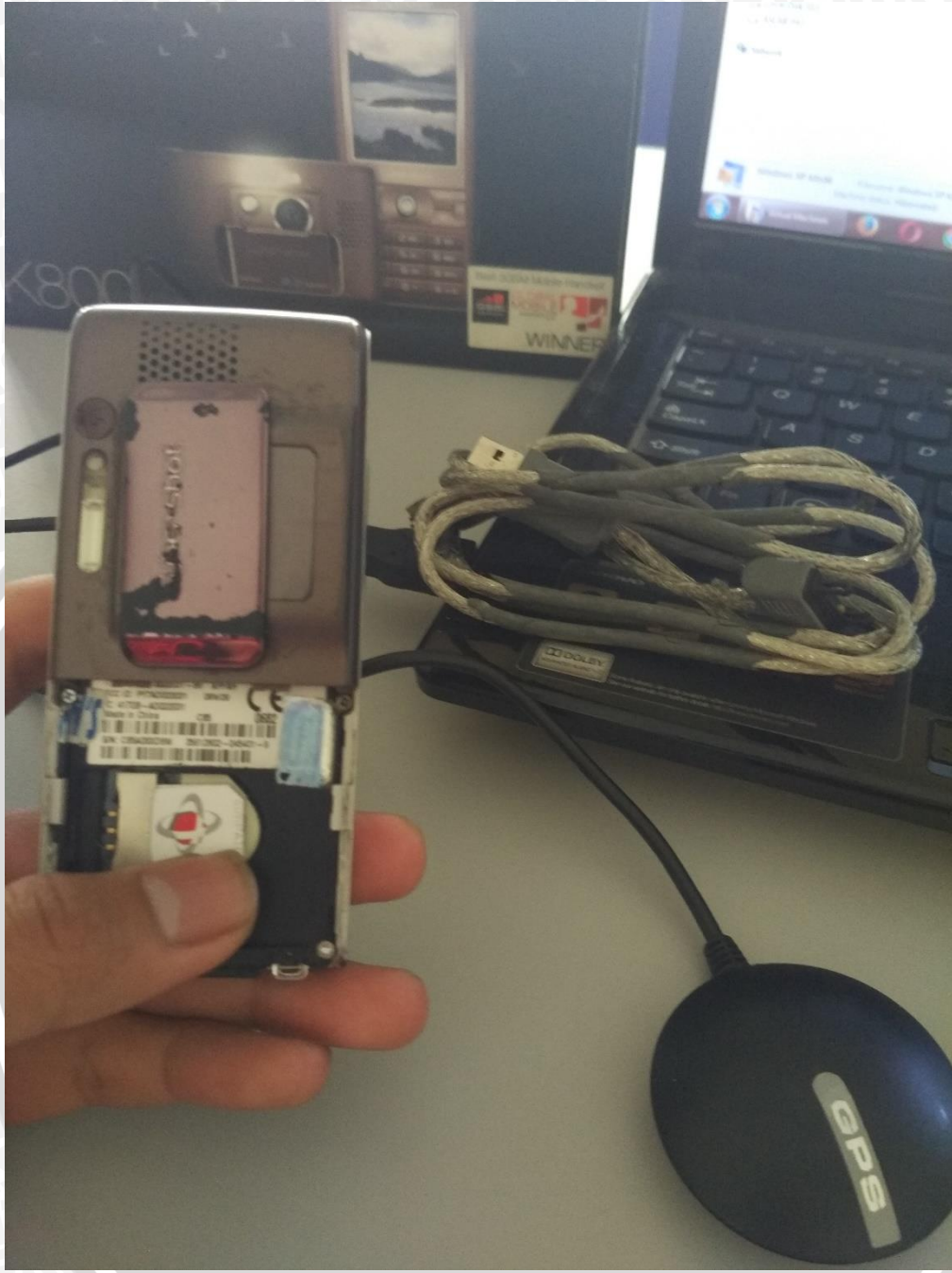
1. Perangkat Handphone K800i



2. GPS USB Garmin 18x

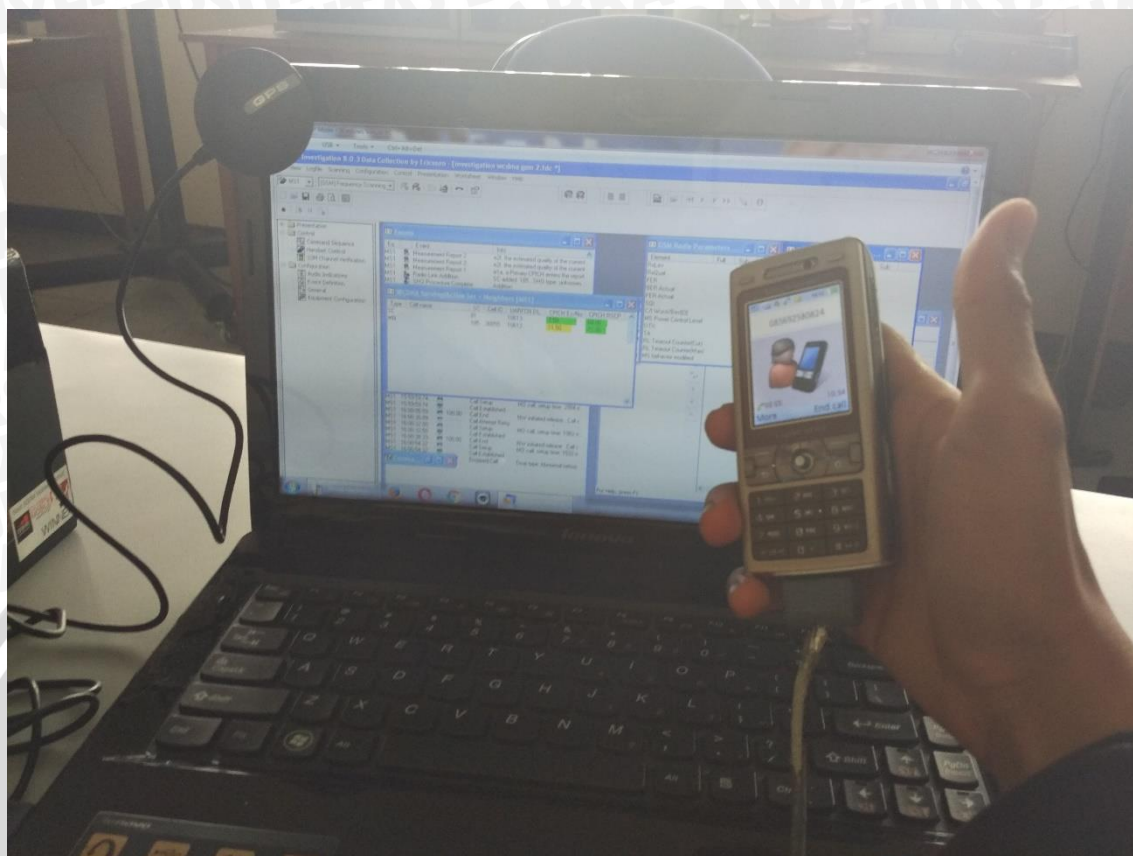




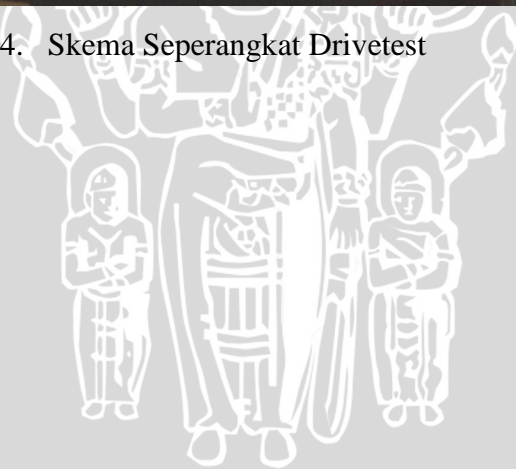


3. Provider Telkomsel sebagai koneksi jaringan





#### 4. Skema Seperangkat Drivetest





## LAMPIRAN 3 SPESIFIKASI ALAT

### 1. Spesifikasi GPS GARMIN 18x

The GPS 18x is an OEM, high-sensitivity GPS sensor for use in automotive, fleet vehicle, and electronics applications that require a small, highly accurate GPS receiver.

#### Use in Small Spaces

This high-sensitivity, 12-parallel-channel, WAAS-enabled GPS receiver is available in CMOS-level serial or USB 2.0 full-speed versions and comes with an integrated magnetic base. The puck-like receiver is 2.4" (6.1 cm) in diameter and weighs just a few ounces, making it an ideal solution for applications where space is at a premium.

#### Choose Your Connection Type

The GPS 18x is offered in 3 different cable configurations. All 3 versions of the GPS 18x come complete with non-volatile memory for storage of configuration information, a real-time clock and raw measurement output data for sophisticated customer applications.

- GPS 18x PC — has DB-9 pin serial connector with a 12 V cigarette lighter adapter; can output data in NMEA 0183 format (industry standard) or proprietary Garmin format.
- GPS 18x USB — has A-style USB connector, compatible with USB 2.0 and 1.1 full-speed hosts; can output data in Garmin proprietary format only.
- GPS 18x LVC — has bare wire for connection to a variety of applications; can output data in NMEA 0183 format (industry standard) or proprietary Garmin format; provides a pulse-per-second logic-level output with a rising edge aligned to within 1 microsecond of UTC time.

The GPS 18x OEM is a high-sensitivity GPS sensor that replaces the GPS 18 OEM.



Software

FAQs

access your GPS data



Want to connect your  
GPS 18x USB to your  
Windows® laptop or PC?

[Download GpsGate Client](#)



Application of Council Directive:	1999/5/EC, 2006/95/EC	
Standard to which Conformity is Declared:	EN 55022:1998, A1:2000, A2:2003 Information Technology Equipment: Radio Disturbance Characteristics EN 55024:1998, A1:2001, A2:2003 Information Technology Equipment: Immunity Characteristics EN 60950-1:2001 Safety of Information Technology Equipment	
Manufactured by:	GARMIN International & GARMIN Corporation	
Manufacture's Address:	1200 E. 151 <sup>st</sup> Street Olathe, Kansas 66062 U.S.A	No.68, Jangshu 2 <sup>nd</sup> Rd., Shijr, Taipei County, TAIWAN, R.O.C.
Authorised Representative:	GARMIN (Europe) Ltd Liberty House, Hounslow Business Park, Southampton, Hampshire, SO40 9RB, U.K.	
Type of Equipment:	Information Technology Equipment (Global Positioning System Receiver)	
Model Number(s):	GPS 18x PC GPS 18x USB GPS 18x 5Hz GPS 18x LVC	

## 2. Sony Ericsson K800i

**Spesifikasi SONY ERICSSON K800i****GENERAL**

Network : GSM 900 / 1800 / 1900 UMTS 2100

**LAYAR**

Tipe : TFT, 256K colors

Ukuran : 240 x 320 pixels, 2.0 inch, 2.0 inches, 30 x 40 mm

**DIMENSI**

Ukuran/Berat : 105 x 47 x 22 mm/115 g

**AUDIO**

Fitur : Wallpapers, screensavers

Jack :

Speaker phone :

**MEMORY**

Internal : 64 MB

Eksternal :

**DATA****3G** : Ya, 384 kbps**WLAN** : Tidak**Infrared** : Ya

EDGE : Tidak

GPRS : Class 10 (4+1/3+2 slots), 32 – 48 kbps

Bluetooth :

USB/Port : Ya, v2.0