

Tune-up procedure

GSM&GPRS&BT TEST

Measurement procedure:

GSM:

1. Connect phone with CMU200 through RF cable.
2. Make a call from CMU200.
3. After setup a call, set Power Level to 5 for GSM850 and 0 for PCS.
4. Measure the Output Power AV value.

GPRS:

1. Connect phone with CMU200 through RF cable.
2. Enter engineering mode by dialing number *#3646633#
3. Select options:
4. Start the test.

Bluetooth:

1. Connect phone with CMU200 through RF cable.
2. Enter engineering mode by dialing number *#3646633#
3. Select options one after another: "RF test tool-- connectivity
—Bluetooth—General test—Start testing
4. Start the test.

Remarks: All Output Power are tested in average value specification.

Table 1: GSM Speech**Target value is average output power value**

GSM 850			
Channel	Channel 128	Channel 191	Channel 251
Target (dBm)	32.0	32.0	32.0
Tolerance (dB)	± 1	± 1	± 1
PCS 1900			
Channel	Channel 512	Channel 661	Channel 810
Target (dBm)	29.0	29.0	29.0
Tolerance (dB)	± 1	± 1	± 1

Table 2: GPRS**Target value is average output power value**

GPRS 850				
Channel		128	189	251
1 Txslot	Target(dBm)	32.0	32.0	32.0
	Tolerance(dB)	± 1	± 1	± 1
2 Txslots	Target(dBm)	31.0	31.0	31.0
	Tolerance(dB)	± 1	± 1	± 1
3 Txslots	Target(dBm)	29.0	29.0	29.0
	Tolerance(dB)	± 1	± 1	± 1

4 Txslots	Target(dBm)	29.0	29.0	29.0
	Tolerance(dB)	± 1	± 1	± 1
GPRS 1900				
Channel		512	661	810
1 Txslot	Target(dBm)	29.0	29.0	29.0
	Tolerance(dB)	± 1	± 1	± 1
2 Txslots	Target(dBm)	28.0	28.0	28.0
	Tolerance(dB)	± 1	± 1	± 1
3 Txslots	Target(dBm)	26.0	26.0	26.0
	Tolerance(dB)	± 1	± 1	± 1
4 Txslots	Target(dBm)	25.0	25.0	25.0
	Tolerance(dB)	± 1	± 1	± 1

Table 3: EGPRS

Target value is average output power value

EGPRS 850				
Channel		128	189	251
1 Txslot	Target(dBm)	27.5	27.5	27.5
	Tolerance(dB)	± 1	± 1	± 1
2 Txslots	Target(dBm)	26.5	26.5	26.5
	Tolerance(dB)	± 1	± 1	± 1

3 Txs slots	Target(dBm)	25.0	25.0	25.0
	Tolerance(dB)	± 1	± 1	± 1
4 Txs slots	Target(dBm)	24.0	24.0	24.0
	Tolerance(dB)	± 1	± 1	± 1
EGPRS 1900				
Channel		512	661	810
1 Txs slot	Target(dBm)	18.0	18.0	18.0
	Tolerance(dB)	± 1	± 1	± 1
2 Txs slots	Target(dBm)	16.5	16.5	16.5
	Tolerance(dB)	± 1	± 1	± 1
3 Txs slots	Target(dBm)	14.0	14.0	14.0
	Tolerance(dB)	± 1	± 1	± 1
4 Txs slots	Target(dBm)	13.0	13.0	13.0
	Tolerance(dB)	± 1	± 1	± 1

Table 4: WCDMA

Target value is average output power value

W850			
Channel	4132	4182	4233
Target(dBm)	22.0	22.0	22.0
Tolerance(dB)	± 1	± 1	± 1

W1900			
Channel	9262	9400	9538
Target(dBm)	20.5	22.5	22.0
Tolerance(dB)	± 1	± 1	± 1

Table 5: BT

Target value is average output power value

BT			
Channel	1	39	78
Target(dBm)	1.5	1.5	1.5
Tolerance(dB)	± 1	± 1	± 1