2. SGH-P777 Specification

1. GSM General Specification

		GSM850	DCS1800	PCS1900
Freq. Band[MHz] Uplink/Downlink		824~849 869~894	1710~1785 1805~1880	1850~1910 1930~1990
ARFCN range		128~251	512~885	512~810
Tx/Rx spacing		45MHz	95MHz	80MHz
Mod. Bit rate/ Bit Period	GPRS	270.833Kbps 3.692us	270.833Kbps 3.692us	270.833Kbps 3.692us
	EDGE	812.5Kbps 3.692us	812.5Kbps 3.692us	812.5Kbps 3.692us
Time Slot Period/Frame Period		576.9us 4.615ms	576.9us 4.615ms	576.9us 4.615ms
Modulation	GPRS	0.3GMSK	0.3GMSK	0.3GMSK
	EDGE	8PSK	8PSK	8PSK
MS Power	GPRS	33dBm~5dBm	30dBm~0dBm	30dBm~0dBm
	EDGE	27~5dBm	26~0dBm	26~0dBm
Power Level	GPRS	5~19(class4)	0~15(class1)	0~15(class1)
	EDGE	8~19(class E2)	2~15(class E2)	2~15(class E2)
Sensitivity		-102dBm	-100dBm	-102dBm
TDMA Mux		8	8	8
Cell Radius		35Km	2Km	2Km

2. GMSK TX power Level

TX Power control level	GSM850
5	33±2dBm
6	31±3dBm
7	29±3dBm
8	27±3dBm
9	25±3dBm
10	23±3dBm
11	21±3dBm
12	19±3dBm
13	17±3dBm
14	15±3dBm
15	13±3dBm
16	11±5dBm
17	9±5dBm
18	7±5dBm
19	5±5dBm

TX Power control level	DCS1800
0	30±2dBm
1	28±3dBm
2	26±3dBm
3	24±3dBm
4	22±3dBm
5	20±3dBm
6	18±3dBm
7	16±3dBm
8	14±3dBm
9	12±4dBm
10	10±4dBm
11	8±4dBm
12	6±4dBm
13	4±4dBm
14	2±5dBm
15	0±5dBm

TX Power control level	PCS1900
0	30±2dBm
1	28±3dBm
2	26±3dBm
3	24±3dBm
4	22±3dBm
5	20±3dBm
6	18±3dBm
7	16±3dBm
8	14±3dBm
9	12±4dBm
10	10±4dBm
11	8±4dBm
12	6±4dBm
13	4±4dBm
14	2±5dBm
15	0±5dBm

3. EDGE TX Power Level

TX Power control level	GSM850
8	27±3dBm
9	25±3dBm
10	23±3dBm
11	21±3dBm
12	19±3dBm
13	17±3dBm
14	15±3dBm
15	13±3dBm
16	11±5dBm
17	9±5dBm
18	7±5dBm
19	5±5dBm

TX Power control level	DCS1800
2	26±3dBm
3	24±3dBm
4	22±3dBm
5	20±3dBm
6	18±3dBm
7	16±3dBm
8	14±3dBm
9	12±4dBm
10	10±4dBm
11	8±4dBm
12	6±4dBm
13	4±4dBm
14	2±5dBm
15	0±5dBm

TX Power control level	PCS1900
2	26±3dBm
3	24±3dBm
4	22±3dBm
5	20±3dBm
6	18±3dBm
7	16±3dBm
8	14±3dBm
9	12±4dBm
10	10±4dBm
11	8±4dBm
12	6±4dBm
13	4±4dBm
14	2±5dBm
15	0±5dBm