
2. SGH-P207 Specification

2-1. 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

2-2. GSM TX power Level

TX Power control level	GSM850	TX Power control level	DCS1800	TX Power control level	PCS1900
5	$33 \pm 2\text{dBm}$	0	$30 \pm 3\text{dBm}$	0	$30 \pm 3\text{dBm}$
6	$31 \pm 2\text{dBm}$	1	$28 \pm 3\text{dBm}$	1	$28 \pm 3\text{dBm}$
7	$29 \pm 2\text{dBm}$	2	$26 \pm 3\text{dBm}$	2	$26 \pm 3\text{dBm}$
8	$27 \pm 2\text{dBm}$	3	$24 \pm 3\text{dBm}$	3	$24 \pm 3\text{dBm}$
9	$25 \pm 2\text{dBm}$	4	$22 \pm 3\text{dBm}$	4	$22 \pm 3\text{dBm}$
10	$23 \pm 2\text{dBm}$	5	$20 \pm 3\text{dBm}$	5	$20 \pm 3\text{dBm}$
11	$21 \pm 2\text{dBm}$	6	$18 \pm 3\text{dBm}$	6	$18 \pm 3\text{dBm}$
12	$19 \pm 2\text{dBm}$	7	$16 \pm 3\text{dBm}$	7	$16 \pm 3\text{dBm}$
13	$17 \pm 2\text{dBm}$	8	$14 \pm 3\text{dBm}$	8	$14 \pm 3\text{dBm}$
14	$15 \pm 2\text{dBm}$	9	$12 \pm 4\text{dBm}$	9	$12 \pm 4\text{dBm}$
15	$13 \pm 2\text{dBm}$	10	$10 \pm 4\text{dBm}$	10	$10 \pm 4\text{dBm}$
16	$11 \pm 2\text{dBm}$	11	$8 \pm 4\text{dBm}$	11	$8 \pm 4\text{dBm}$
17	$9 \pm 2\text{dBm}$	12	$6 \pm 4\text{dBm}$	12	$6 \pm 4\text{dBm}$
18	$7 \pm 2\text{dBm}$	13	$4 \pm 4\text{dBm}$	13	$4 \pm 4\text{dBm}$
19	$5 \pm 2\text{dBm}$	14	$2 \pm 5\text{dBm}$	14	$2 \pm 5\text{dBm}$
		15	$0 \pm 5\text{dBm}$	15	$0 \pm 5\text{dBm}$

2-3. EDGE TX Power Level

TX Power control level	GSM850	TX Power control level	DCS1800	TX Power control level	PCS1900
8	$27 \pm 3\text{dBm}$	2	$26 \pm 3\text{dBm}$	2	$26 \pm 3\text{dBm}$
9	$25 \pm 3\text{dBm}$	3	$24 \pm 3\text{dBm}$	3	$24 \pm 3\text{dBm}$
10	$23 \pm 3\text{dBm}$	4	$22 \pm 3\text{dBm}$	4	$22 \pm 3\text{dBm}$
11	$21 \pm 3\text{dBm}$	5	$20 \pm 3\text{dBm}$	5	$20 \pm 3\text{dBm}$
12	$19 \pm 3\text{dBm}$	6	$18 \pm 3\text{dBm}$	6	$18 \pm 3\text{dBm}$
13	$17 \pm 3\text{dBm}$	7	$16 \pm 3\text{dBm}$	7	$16 \pm 3\text{dBm}$
14	$15 \pm 3\text{dBm}$	8	$14 \pm 3\text{dBm}$	8	$14 \pm 3\text{dBm}$
15	$13 \pm 3\text{dBm}$	9	$12 \pm 4\text{dBm}$	9	$12 \pm 4\text{dBm}$
16	$11 \pm 5\text{dBm}$	10	$10 \pm 4\text{dBm}$	10	$10 \pm 4\text{dBm}$
17	$9 \pm 5\text{dBm}$	11	$8 \pm 4\text{dBm}$	11	$8 \pm 4\text{dBm}$
18	$7 \pm 5\text{dBm}$	12	$6 \pm 4\text{dBm}$	12	$6 \pm 4\text{dBm}$
19	$5 \pm 5\text{dBm}$	13	$4 \pm 4\text{dBm}$	13	$4 \pm 4\text{dBm}$
		14	$2 \pm 5\text{dBm}$	14	$2 \pm 5\text{dBm}$
		15	$0 \pm 5\text{dBm}$	15	$0 \pm 5\text{dBm}$