
1. SGH-E630 Specification

1. GSM General Specification

	GSM900 Phase 1	EGSM 900 Phase 2	DCS1800 Phase 1	PCS1900
Freq. Band[MHz] Uplink/Downlink	890~915 935~960	880~915 925~960	1710~1785 1805~1880	1850~1910 1930~1990
ARFCN range	1~124	0~124 & 975~1023	512~885	512~810
Tx/Rx spacing	45MHz	45MHz	95MHz	80MHz
Mod. Bit rate/ Bit Period	270.833kbps 3.692us	270.833kbps 3.692us	270.833kbps 3.692us	270.833kbps 3.692us
Time Slot Period/Frame Period	576.9us 4.615ms	576.9us 4.615ms	576.9us 4.615ms	576.9us 4.615ms
Modulation	0.3GMSK	0.3GMSK	0.3GMSK	0.3GMSK
MS Power	33dBm~13dBm	33dBm~5dBm	30dBm~0dBm	30dBm~0dBm
Power Class	5pcl ~ 15pcl	5pcl ~ 19pcl	0pcl ~ 15pcl	0pcl ~ 15pcl
Sensitivity	-102dBm	-102dBm	-100dBm	-100dBm
TDMA Mux	8	8	8	8
Cell Radius	35Km	35Km	2Km	-

2. GSM TX power class

TX Power control level	GSM900	TX Power control level	DCS1800	TX Power control level	PCS1900
5	33 ± 2 dBm	0	30 ± 2 dBm	0	30 ± 2 dBm
6	31 ± 2 dBm	1	28 ± 3 dBm	1	28 ± 3 dBm
7	29 ± 2 dBm	2	26 ± 3 dBm	2	26 ± 3 dBm
8	27 ± 2 dBm	3	24 ± 3 dBm	3	24 ± 3 dBm
9	25 ± 2 dBm	4	22 ± 3 dBm	4	22 ± 3 dBm
10	23 ± 2 dBm	5	20 ± 3 dBm	5	20 ± 3 dBm
11	21 ± 2 dBm	6	18 ± 3 dBm	6	18 ± 3 dBm
12	19 ± 2 dBm	7	16 ± 3 dBm	7	16 ± 3 dBm
13	17 ± 2 dBm	8	14 ± 3 dBm	8	14 ± 3 dBm
14	15 ± 2 dBm	9	12 ± 4 dBm	9	12 ± 4 dBm
15	13 ± 2 dBm	10	10 ± 4 dBm	10	10 ± 4 dBm
16	11 ± 3 dBm	11	8 ± 4 dBm	11	8 ± 4 dBm
17	9 ± 3 dBm	12	6 ± 4 dBm	12	6 ± 4 dBm
18	7 ± 3 dBm	13	4 ± 4 dBm	13	4 ± 4 dBm
19	5 ± 3 dBm	14	2 ± 5 dBm	14	2 ± 5 dBm
		15	0 ± 5 dBm	15	0 ± 5 dBm