Tune Up Description

a. Frequency Range

GSM 850 TX 824-849 MHz

RX 869-894 MHz

GSM 900 TX 880-915 MHz

RX 925-960MHz

DCS 1800 TX 1710-1785MHz

RX1805-1880MHz

PCS 1900 TX 1850-1910MHz

RX 1930-1990MHz

GSM 850

b. Channel Space: 200KHz

C. Total Channel Number: Carriers*8(TDMA)

d. Modulation:GMSK

e. Frequency Tolerance: ≤+/- 0.1ppm

1) Frequency Distribution

	G2M 920	EGSM900	DC31600	PC31900
Transmit (TX):	824-849MHZ	880-915MHZ	1710-1785MHZ	1850-1910MHZ
Receive(RX):	869-894MHZ	925-960MHZ	1805-1880MHZ	1930-1990MHZ
Receive (121).	007 07 111112)23)00NIII2	1003 100011112	1930 199011112
O) A1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 100 051	1 104	512 005	510 010
2) Absolute channel Number: 128-251		1-124	512-885	512-810
3) TX RX Space:	45MHZ	45MHZ	95MHZ	80MHZ
4) TX/RX time solt Differential: 3		3	3	3
,				
5) Modulation bit rate:	270.833kbit	270.833kbit	270.833kbit	270.833kbit
3) Wodulation bit rate.	270.033KUIT	270.033KUIT	270.033KUIT	270.033KUIT
6) Frame Cycle:	4.615ms	4.615ms	4.615ms	4.615ms
7) Slot Cycle:	576.9us	576.9us	576.9us	576.9us
8) Bit Cycle time:	3.692us	3.692us	3.692us	3.692us
9) Channel Space:	200KHZ	200KHZ	200KHZ	200KHZ
9) Chamier Space.	200KHZ	200K11Z	ZUUKIIZ	ZUUKIIZ
10.00	0	0	0	0
10. Time slot /Frame:	8	8	8	8
11. Modulation Type:	GMSK	GMSK	GMSK	GMSK
12 Max TX Power:	2W (33dbm)	2W (33dbm)	2W (33dbn	a) 2W (33dbm)
13. Min TX Power:	3.3mW	3.3mW	1mW	1mW
14 RF Impedance:	50Ω	50Ω	50Ω	50Ω
•		20	50	20
15. Synthesizer Frequency:				

EGSM900

DCS1800

PCS1900

TX: 3296-3396MHZ 3520-3660MHZ 3420-3570MHZ 3700-3820MHZ

R X 3476-3576MHZ 3700-3840MHZ 3610-3760MHZ 3860-3980MHZ

18.Crystal Frequency: 26MHZ

19. Operating Voltage: Max:4.2V Normal:3.8V Min:3.6V

20. Demodulation Type: I/Q

21.Max Frequency Tolerance: $\langle \pm 0.1 \text{PPM} \rangle$

22. Max Phase Error: Peak Value <20 degree RMS<5 degree

23.. RX bit error rate: (-102dbm: 2.44%

24. Conduct Spurious: 9Khz-1GHZ ≤−36dbm

1GHZ-12.75GHZ ≤-30dbm

25.Class3 Bluetooth Frequency 2.4-2.5Ghz

Max TX Power 1mw

Min TX Power 0.82mw