# **Operational Description**

# 1 PRODUCT INTRODUCTION

V90+ is a slim mobile phone brought to you by Bestpower Direct Export Co. Ltd, it works at 850MHz \, 900MHz \, 1800MHz and 1900MHz Mhz frequency band.

V90+ colour screen mobile phone is designed for use on the GSM/GPRS networks. Not only does the V90+ provide you with basic calling functions, but also with many practical functions such as double SIM cards mode, smart input method, a name card style phonebook, 64 chord rings, SMS, MMS, camera and video, MP3 and movie player, recorder, clock/alarm, calculator, automatic power On / power Off, calendar, world clock, GPRS surfing, STK, Keypad lock.

# 2 HARDWARE

The main board includes RF circuit(use MT6139 and TQM6M4003), base band circuit(use MT6225), power management circuit(use MT6318), bluetooth circuit(MT6601), some keyboard LEDs, etc······The processors used in V90+ are MTK MT6225.

# 3 APPEARANCE AND STRUCTURE

Table 1 Appearance and structure

Item V90+ Remark	Item	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	
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Appearance		Color here is only
		for reference, the
		real product maybe
		different.
Dimension	105mm X 45mm X 15mm	
Weight	85.5g	Including Battery
Material	PC	
Display	320xRGBx240	

# **4 FUNCTIONS**

#### **4.1** TALKING PARAMETERS

#### Table 2 TALKING PARAMETERS

Item	Discription
Speech codec	FR / EFR / AMR / HR
Talk time	Up to 3 hrs (Estimation)
Standby time	Up to 120 hrs (Estimation)
Phonebook	500 units
Call Forwarding	CFU \CFB \CFRy \CFRc
Other GSM Phase 2 Function	CB\CW

## **4.2** SHORT MESSAGE

#### Table 3 SHORT MESSAGE

	1 total 5 SHORT MESSIGE
Item	Discription
SMS(Chinese/English)	Supported
EMS	Supported(Only Multi page SMS)

MMS	Supported
	F F

## **4.3** PERSONALISED SPEC.

#### Table 4 PERSONALISED SPEC.

Item	Discription
Voice recording and Voice memo	Supported
Pre-Set 64-tone polyphonic ringers	64 tones polyphony(Software MIDI)
Themes Switch	Supported
User Profiles	Supported
Wall-papers	Supported
Screen savers	Supported
Self-Edit Greeting text	Supported (Welcome)

## **4.4** OTHER SPEC.

### Table 5 OTHER SPEC.

Item	Discription
SIM Tool Kit	Supported
Application	Supported
	Alarm clock, Organizer, Calculator, Unit
	converter, Stopwatch, Universal timer
Pre-loaded game	Supported
Bluetooth	Version 1.2

# **5 TECHNICAL SPECIFICATION**

### *Table 6 GSM850、GSM900*

RF Item	Parameter
PCL	Level 5: 31dBm ~ 32.5dBm
	Level 6: 31dBm ±3dBm
	Level 7: 29dBm ±3dBm

	Level 8: 27dBm ±3dBm
	Level 9: 25dBm ±3dBm
	Level 10: 23dBm ±3dBm
	Level 11: 21dBm ±3dBm
	Level 12: 19dBm ±3dBm
	Level 13: 17dBm ±3dBm
	Level 14: 15dBm ±3dBm
	Level 15: 13dBm ±3dBm
	Level 16: 11dBm ±5dBm
	Level 17: 9dBm ±5dBm
	Level 18: 7dBm ±5dBm
	Level 19: 5dBm ±5dBm
Frequency error	<±0.1ppm
DI	< 5 (RMS)
Phase error	< 20 ° (Peak)
	±10us < -6dBc
Power v Time	±18us < -30dBc
	±28us < -70dBc
	PCL 11:
	fc ±400kHz:-23dBm
	fc ±600kHz:-26dBm
	fc ±1200kHz:-32dBm
Switching Transient	fc ±1800kHz:-36dBm
	DCV 7
	PCL 7:
	fc ±400kHz:-23dBm
	fc ±600kHz:-25dBm
	fc ±1200kHz:-25dBm
	fc ±1800kHz:-28dBm

	PCL 5:
	fc ±400kHz:-19dBm
	fc ±600kHz:-21dBm
	$fc \pm 1200kHz:-22dBm$
	$fc \pm 1800kHz:-24dBm$
	fc ±200kHz :< -30dBc or -36dBm
	fc $\pm 250$ kHz:< $-33$ dBc or $-36$ dBm
	fc ±400kHz:< -60dBc or -36dBm
	fc ±600kHz ~ 1800kHz:< -60dBc or
	-51dBm
Modulation	fc ±1800kHz ~ 3000kHz:< -63dBc or
	-46dBm
	fc $\pm 3000$ kHz $\sim 6000$ kHz:
	< -65dBc or -46dBm
	fc ≥±6000kHz:
	< -71dBc or -46dBm
	925 MHz ~ 935 MHz:< -67dBm
Spurious Emission at Receiver band	935 MHz ~ 960MHz:< -79dBm
	1805 MHz ~ 1880MHz:< -71dBm
Conducted spurious emissions - MS	100kHz ~ 1GHz:< -36dBm
allocated a channel	1GHz ~ 12.75GHz:< -30dBm
Conducted spurious emissions - MS in	100kHz ~ 1GHz:< -57dBm
idle mode	1GHz ~ 12.75GHz:< -47dBm
Radiated spurious emissions - MS	30MHz ~ 1GHz:< -36dBm
allocated a channel	$1GHz \sim 4GHz$ : < -30dBm
	30MHz ~ 880MHz:< -57dBm
Radiated spurious emissions - MS in	880MHz ~ 915MHz:< -59dBm
idle mode	915MHz ~ 1000MHz:< -57dBm
	1GHz ~ 1710MHz:< -47dBm

1710MHz~1785MHz.<-53dBm   1785MHz.<-47dBm     Class II:-100dBm     BER < 2.4%     Class II:-96dBm     BER < 2.4%     Blocking level:     Fr ±600kHz ~ 1.6MHz :- 43dBm     Fr ±1.6MHz ~ 3MHz:-33dBm     915MHz ~ Fr-3MHz:-23dBm     Fr+3MHz ~ 980MHz:-23dBm     835MHz ~ 915MHz:0dBm     980MHz ~ 1000MHz:0dBm     Class II:-82dBm     BER < 2.4%     Interference level:     Fr ±200kHz:-73dBm     Fr ±400kHz:-41dbm     Fr ±600kHz:-33dbm     Class II:-96dbm     BER < 2.4%     Intermodulation rejection     Class II:-96dbm     BER < 2.4%     Interference level = -49dbm     Class II:-82dbm     Class II:-96dbm     BER < 2.4%     Interference level = -49dbm     Class II:-82dbm     Class II:-96dbm     BER < 2.4%     Interference level = -49dbm     Class II:-91dbm     Class II:-92dbm     Class I	Ī	1
Class II:-100dBm BER < 2.4%  Class II:<-96dBm BER < 2.4%  Blocking level: Fr ±600kHz ~ 1.6MHz :- 43dBm Fr ±1.6MHz ~ 3MHz:-33dBm 915MHz ~ Fr-3MHz:-23dBm Fr+3MHz ~ 980MHz:-23dBm 835MHz ~ 915MHz:0dBm 980MHz ~ 1000MHz:0dBm  Class II:-82dBm BER < 2.4% Interference level: Fr ±400kHz:-41dbm Fr ±600kHz:-33dbm Class II:-96dbm BER < 2.4% Interference level = -49dbm  Class II:-82dbm BER < 2.4% Interference level = -49dbm  Class II:-82dbm BER < 2.4% Interference level = -49dbm  Class II:-82dbm BER < 2.4% Interference level = -91dbm  Co-channel rejection  Receiver / Reference sensitivity  GSM 900MHz:-102dBm		1710MHz~1785MHz:< -53dBm
Sensitivity  BER < 2.4%  Class II:<-96dBm  BER < 2.4%  Blocking level:  Fr ±600kHz ~ 1.6MHz:-43dBm  Fr ±1.6MHz ~ 3MHz:-33dBm  915MHz ~ Fr-3MHz:-23dBm  Fr+3MHz ~ 980MHz:-23dBm  835MHz ~ 915MHz:0dBm  980MHz ~ 1000MHz:0dBm  Class II:-82dBm  BER < 2.4%  Interference level:  Fr ±200kHz:-73dBm  Fr ±400kHz:-41dbm  Fr ±600kHz:-33dbm  Class II:-96dbm  BER < 2.4%  Interference level = -49dbm  Class II:-82dbm  BER < 2.4%  Interference level = -49dbm  Class II:-82dbm  BER < 2.4%  Interference level = -91dbm  Receiver / Reference sensitivity  GSM 900MHz:-102dBm		1785MHz~4GHZ:< -47dBm
BER < 2.4%  Class II:<-96dBm  BER < 2.4%  Blocking level: Fr ±600kHz ~ 1.6MHz:-43dBm  Fr ±1.6MHz ~ 3MHz:-23dBm  915MHz ~ Fr-3MHz:-23dBm  Fr+3MHz ~ 980MHz:-23dBm  835MHz ~ 915MHz:0dBm  980MHz ~ 1000MHz:0dBm  Class II:-82dBm  BER < 2.4%  Interference level: Fr ±200kHz:-73dBm  Fr ±400kHz:-41dbm Fr ±600kHz:-33dbm  Class II:-96dbm  BER < 2.4%  Interference level = -49dbm  Class II:-82dbm  BER < 2.4%  Interference level = -49dbm  Class II:-82dbm  BER < 2.4%  Interference level = -49dbm  Class II:-82dbm	concitivity	Class II:-100dBm
$BER < 2.4\%$ $Blocking level:$ $Fr \pm 600kHz \sim 1.6MHz :- 43dBm$ $Fr \pm 1.6MHz \sim 3MHz :- 33dBm$ $915MHz \sim Fr - 3MHz :- 23dBm$ $Fr + 3MHz \sim 980MHz :- 23dBm$ $835MHz \sim 915MHz :0 dBm$ $980MHz \sim 1000MHz :0 dBm$ $Class II :- 82dBm$ $BER < 2.4\%$ $Interference level:$ $Fr \pm 200kHz :- 73dBm$ $Fr \pm 400kHz :- 41dbm$ $Fr \pm 600kHz :- 33dbm$ $Class II :- 96dbm$ $BER < 2.4\%$ $Interference level = -49dbm$ $Class II :- 82dbm$ $BER < 2.4\%$ $Interference level = -49dbm$ $Class II :- 82dbm$ $BER < 2.4\%$ $Interference level = -10dbm$ $Receiver / Reference sensitivity$ $GSM 900MHz :- 102dBm$	Sensitivity	BER < 2.4%
$Blocking \ level: \\ Fr \pm 600kHz \sim 1.6MHz :- 43dBm \\ Fr \pm 1.6MHz \sim 3MHz :- 33dBm \\ 915MHz \sim Fr-3MHz :- 23dBm \\ Fr+3MHz \sim 980MHz :- 23dBm \\ 835MHz \sim 915MHz :0 dBm \\ 980MHz \sim 1000MHz :0 dBm \\ Class II:- 82dBm \\ BER < 2.4\% \\ Interference \ level: \\ Fr \pm 200kHz :- 73dBm \\ Fr \pm 400kHz :- 41dbm \\ Fr \pm 600kHz :- 33dbm \\ Class II:- 96dbm \\ BER < 2.4\% \\ Interference \ level = -49dbm \\ Class II:- 82dBm \\ BER < 2.4\% \\ Interference \ level = -49dbm \\ Class II:- 82dbm \\ BER < 2.4\% \\ Interference \ level = -91dbm \\ Receiver / Reference \ sensitivity \\ GSM 900MHz :- 102dBm$		Class II:<-96dBm
$Fr \pm 600 \text{kHz} \sim 1.6 \text{MHz} :- 43 \text{dBm}$ $Fr \pm 1.6 \text{MHz} \sim 3 \text{MHz} :- 33 \text{dBm}$ $915 \text{MHz} \sim Fr - 3 \text{MHz} :- 23 \text{dBm}$ $Fr + 3 \text{MHz} \sim 980 \text{MHz} :- 23 \text{dBm}$ $835 \text{MHz} \sim 915 \text{MHz} :- 000 \text{dBm}$ $980 \text{MHz} \sim 1000 \text{MHz} :0 \text{dBm}$ $Class II :- 82 \text{dBm}$ $BER < 2.4\%$ $Interference level:$ $Fr \pm 200 \text{kHz} :- 73 \text{dBm}$ $Fr \pm 400 \text{kHz} :- 41 \text{dbm}$ $Fr \pm 600 \text{kHz} :- 33 \text{dbm}$ $Class II :- 96 \text{dbm}$ $BER < 2.4\%$ $Interference level = -49 \text{dbm}$ $Class II :- 82 \text{dbm}$ $BER < 2.4\%$ $Interference level = -91 \text{dbm}$ $Receiver / Reference sensitivity$ $GSM 900 \text{MHz} :- 102 \text{dBm}$		BER < 2.4%
$Fr \pm 1.6 \text{MHz} \sim 3 \text{MHz:-33dBm} \\ 915 \text{MHz} \sim Fr-3 \text{MHz:-23dBm} \\ Fr+3 \text{MHz} \sim 980 \text{MHz:-23dBm} \\ 835 \text{MHz} \sim 915 \text{MHz:0dBm} \\ 980 \text{MHz} \sim 1000 \text{MHz:0dBm} \\ \\ Class II:-82 \text{dBm} \\ BER < 2.4 \% \\ Interference level: \\ Fr \pm 200 \text{kHz:-73dBm} \\ Fr \pm 400 \text{kHz:-41dbm} \\ Fr \pm 400 \text{kHz:-41dbm} \\ Fr \pm 600 \text{kHz:-33dbm} \\ \\ Class II:-96 \text{dbm} \\ BER < 2.4 \% \\ Interference level = -49 \text{dbm} \\ \\ Class II:-82 \text{dbm} \\ \\ BER < 2.4 \% \\ Interference level = -49 \text{dbm} \\ \\ Class II:-82 \text{dbm} \\ \\ BER < 2.4 \% \\ \\ Interference level = -91 \text{dbm} \\ \\ \\ Receiver / Reference sensitivity \\ \\ GSM 900 \text{MHz:-102dBm} \\ \\ \\ \\ \\ GSM 900 \text{MHz:-102dBm} \\ \\ \\ \\ GSM 900 \text{MHz:-102dBm} \\ \\ \\ \\ \\ \\ GSM 900 \text{MHz:-102dBm} \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\$		Blocking level:
915MHz ~ Fr-3MHz:-23dBm Fr+3MHz ~ 980MHz:-23dBm 835MHz ~ 915MHz:0dBm 980MHz ~ 1000MHz:0dBm  Class II:-82dBm BER < 2.4% Interference level: Fr ±200kHz:-73dBm Fr ±400kHz:-41dbm Fr ±600kHz:-33dbm  Class II:-96dbm BER < 2.4% Interference level = -49dbm  Co-channel rejection  BER < 2.4% Interference level = -91dbm  Receiver / Reference sensitivity  GSM 900MHz:-102dBm		Fr ±600kHz ~ 1.6MHz :- 43dBm
$Fr+3MHz \sim 980MHz:-23dBm \\ 835MHz \sim 915MHz:0dBm \\ 980MHz \sim 1000MHz:0dBm \\ Class II:-82dBm \\ BER < 2.4\% \\ Interference level: \\ Fr \pm 200kHz:-73dBm \\ Fr \pm 400kHz:-41dbm \\ Fr \pm 600kHz:-33dbm \\ Class II:-96dbm \\ BER < 2.4\% \\ Interference level = -49dbm \\ Co-channel rejection  $	Blocking	$Fr \pm 1.6MHz \sim 3MHz$ :-33dBm
$835 \text{MHz} \sim 915 \text{MHz}; 0d \text{Bm}$ $980 \text{MHz} \sim 1000 \text{MHz}; 0d \text{Bm}$ $\text{Class II}; -82 d \text{Bm}$ $\text{BER} < 2.4\%$ $\text{Interference level};$ $\text{Fr} \pm 200 \text{kHz}; -73 d \text{Bm}$ $\text{Fr} \pm 400 \text{kHz}; -41 d \text{bm}$ $\text{Fr} \pm 600 \text{kHz}; -33 d \text{bm}$ $\text{Class II}; -96 d \text{bm}$ $\text{BER} < 2.4\%$ $\text{Interference level} = -49 d \text{bm}$ $\text{Class II}; -82 d \text{bm}$ $\text{Class II}; -82 d \text{bm}$ $\text{Class II}; -82 d \text{bm}$ $\text{BER} < 2.4\%$ $\text{Interference level} = -91 d \text{bm}$ $\text{Receiver} / \text{Reference sensitivity}$ $\text{GSM } 900 \text{MHz}; -102 d \text{Bm}$		915MHz ~ Fr-3MHz:-23dBm
$980 MHz \sim 1000 MHz:0 dBm$ $Class II:-82 dBm$ $BER < 2.4\%$ $Interference level:$ $Fr \pm 200 kHz:-73 dBm$ $Fr \pm 400 kHz:-41 dbm$ $Fr \pm 600 kHz:-33 dbm$ $Class II:-96 dbm$ $BER < 2.4\%$ $Interference level = -49 dbm$ $Class II:-82 dbm$ $Class II:-82 dbm$ $BER < 2.4\%$ $Interference level = -91 dbm$ $Receiver / Reference sensitivity$ $GSM 900 MHz:-102 dBm$		Fr+3MHz ~ 980MHz:-23dBm
Class II:-82dBm  BER < 2.4%  Interference level:  Fr ±200kHz:-73dBm  Fr ±400kHz:-41dbm  Fr ±600kHz:-33dbm  Class II:-96dbm  BER < 2.4%  Interference level = -49dbm  Co-channel rejection  Class II:-82dBm  BER < 2.4%  Interference level = -49dbm  Class II:-82dbm  BER < 2.4%  Interference level = -91dbm  Receiver / Reference sensitivity  GSM 900MHz:-102dBm		835MHz ~ 915MHz:0dBm
$Adjacent \ channel \ rejection \  \  \  \  \  \  \  \  \  \  \  \  \ $		980MHz ~ 1000MHz:0dBm
$Adjacent \ channel \ rejection \  \  \  \  \  \  \  \  \  \  \  \  \ $		Class II:-82dBm
Adjacent channel rejection  Fr ±200kHz:-73dBm  Fr ±400kHz:-41dbm  Fr ±600kHz:-33dbm  Class II:-96dbm  BER < 2.4%  Interference level = -49dbm  Co-channel rejection  BER < 2.4%  Interference level = -91dbm  Receiver / Reference sensitivity  GSM 900MHz:-102dBm		BER < 2.4%
$Fr \pm 200 \text{kHz:-73dBm}$ $Fr \pm 400 \text{kHz:-41dbm}$ $Fr \pm 600 \text{kHz:-33dbm}$ $Class II:-96 \text{dbm}$ $BER < 2.4\%$ $Interference level = -49 \text{dbm}$ $Class II:-82 \text{dbm}$ $Class II:-82 \text{dbm}$ $BER < 2.4\%$ $Interference level = -91 \text{dbm}$ $Receiver / Reference sensitivity$ $GSM 900 \text{MHz:-102dBm}$		Interference level:
Fr ±600kHz:-33dbm  Class II:-96dbm  BER < 2.4%  Interference level = -49dbm  Class II:-82dbm  Co-channel rejection  BER < 2.4%  Interference level = -91dbm  Receiver / Reference sensitivity  GSM 900MHz:-102dBm	Adjacent channel rejection	Fr ±200kHz:-73dBm
Intermodulation rejection  BER < 2.4%  Interference level = -49dbm  Class II:-82dbm  Co-channel rejection  BER < 2.4%  Interference level = -91dbm  Receiver / Reference sensitivity  GSM 900MHz:-102dBm		Fr ±400kHz:-41dbm
Intermodulation rejection  BER < 2.4%  Interference level = -49dbm  Class II:-82dbm  BER < 2.4%  BER < 2.4%  Interference level = -91dbm  Receiver / Reference sensitivity  GSM 900MHz:-102dBm		Fr ±600kHz:-33dbm
Interference level = -49dbm  Class II:-82dbm  BER < 2.4%  Interference level = -91dbm  Receiver / Reference sensitivity  GSM 900MHz:-102dBm		Class II:-96dbm
Class II:-82dbm  Co-channel rejection  BER < 2.4%  Interference level = -91dbm  Receiver / Reference sensitivity  GSM 900MHz:-102dBm	Intermodulation rejection	BER < 2.4%
Co-channel rejection  BER < 2.4%  Interference level = -91dbm  Receiver / Reference sensitivity  GSM 900MHz:-102dBm		Interference level = -49dbm
Interference level = -91dbm  Receiver / Reference sensitivity  GSM 900MHz:-102dBm		Class II:-82dbm
Receiver / Reference sensitivity GSM 900MHz:-102dBm	Co-channel rejection	BER < 2.4%
		Interference level = -91dbm
DCS 1800MHz:-100dBm	Receiver / Reference sensitivity	GSM 900MHz:-102dBm
2 02 1000 1112. 100 <b>u</b> Bii		DCS 1800MHz:-100dBm

Item	Description
PCL	Level 0: 28 dBm ~ 29.5dBm
	Level 1: 28 dBm ±3dBm
	Level 2: 26 dBm ±3dBm
	Level 3: 24 dBm ±3dBm
	Level 4: 22 dBm ±3dBm
	Level 5: 20 dBm ±3dBm
	Level 6: 18 dBm ±3dBm
	Level 7: 16 dBm ±3dBm
	Level 8: 14 dBm ±3dBm
	Level 9: 12 dBm ±4dBm
	Level 10:10 dBm ±4dBm
	Level 11: 8 dBm ±4dBm
	Level 12::6 dBm ±4dBm
	Level 13: 4 dBm ±4dBm
	Level 14: 2 dBm ±5dBm
	Level 15: 0 dBm ±5dBm
Frequency error	<±0.1ppm
Dhogo orner	< 5 (RMS)
Phase error	< 20 ° (Peak)
	±10us < -6dBc
Power v Time	±18us < -30dBc
	±28us < -70dBc
	PCL 15:
Switching Transient	fc ±400kHz:-23dBm
	fc ±600kHz:-26dBm
	fc ±1200kHz:-32dBm
	fc ±1800kHz:-36dBm
	PCL 0:

	fc ±400kHz:-22dBm
	fc ±600kHz:-24dBm
	fc ±1200kHz:-24dBm
	$fc \pm 1800kHz:-27dBm$
Modulation	fc ±200kHz :< -30dBc or -36dBm
	fc ±250kHz:< -33dBc or -36dBm
	fc ±400kHz:< -60dBc or -36dBm
	fc ±600kHz ~ 1800kHz:< -60dBc or
	-51dBm
	fc ±1800kHz ~ 3000kHz:< -63dBc or
	-46dBm
	fc ±3000kHz ~ 6000kHz:
	< -65dBc or -46dBm
	fc ≥±6000kHz:
	< -71dBc or -46dBm
Spurious Emission at Receiver band	925 MHz ~ 935 MHz:< -67dBm
	935 MHz ~ 960MHz:< -79dBm
	1805 MHz ~ 1880MHz:< -71dBm
Conducted spurious emissions - MS	100kHz ~ 1GHz:< -36dBm
allocated a channel	1GHz ~ 12.75GHz:< -30dBm
Conducted spurious emissions - MS in	100kHz ~ 1GHz:< -57dBm
idle mode	1GHz ~ 12.75GHz:< -47dBm
Radiated spurious emissions - MS	30MHz ~ 1GHz:< -36dBm
allocated a channel	$1GHz \sim 4GHz$ : < -30dBm
Radiated spurious emissions - MS in idle mode	30MHz ~ 880MHz:< -57dBm
	880MHz ~ 915MHz:< -59dBm
	915MHz ~ 1000MHz:< -57dBm
	1GHz ~ 1710MHz:< -47dBm
	1710MHz~1785MHz:< -53dBm
	1

	1785MHz~4GHZ:< -47dBm
sensitivity	Class II:-100dBm
	BER < 2.4%
Blocking	Class II:<-96dBm
	BER < 2.4%
	Blocking level:
	Fr ±600kHz ~ 1.6MHz :- 43dBm
	Fr ±1.6MHz ~ 3MHz:-33dBm
	915MHz ~ Fr-3MHz:-23dBm
	Fr+3MHz ~ 980MHz:-23dBm
	835MHz ~ 915MHz:0dBm
	980MHz ~ 1000MHz:0dBm
Adjacent channel rejection	Class II:-82dBm
	BER < 2.4%
	Interference level:
	Fr ±200kHz:-73dBm
	Fr ±400kHz:-41dbm
	Fr ±600kHz:-33dbm
Intermodulation rejection	Class II:-96dbm
	BER < 2.4%
	Interference level = -49dbm
Co-channel rejection	Class II:-82dbm
	BER < 2.4%
	Interference level = -91dbm

### Table 8 Bluetooth

Parameter
2402MHz~2480MHz
2402MHz~2483MHz
1MHz
79
Use PCM and CVSD
20 dB bandwidth 1MHz
GFSK
CLASS 2
6
-6~+4dBm
Max Increasing Value: -1.48dBi