

AMobile Intelligent Corp.

Tune-Up Procedure Description

Device FCC ID: [2ACC5-GT500](#)

47 CFR 2.1033(c)(9): Tune-up procedure over the power range, or at specific operating power levels.

Tune-up Procedure:

1. Set the device to operational voltage and on a predefined band class and channel.
2. The maximum output power is measured when the power control is set as Tx power Max.
3. The Tx output power will be adjusted equal or lower than tested power shown in as below tables.

LTE:

LTE					
RB No.: 1 RB					
Band	Frequency(MHz)	Modulation	Output Power (dBm)	3GPP MRP	Tolerance (dB)
Band 2	1850MHz~1910 MHz	QPSK	22.5dBm	0	+1~-2dB
Band 4	1710 MHz ~1755 MHz		23.5dBm	0	+1~-2dB
Band 5	824 MHz ~849 MHz		21.5dBm	0	+1~-2dB
Band 7	2500 MHz ~2570 MHz		21.5dBm	0	+1~-2dB
Band 12	699 MHz ~716 MHz		22dBm	0	+1~-2dB
Band 13	777 MHz ~787 MHz		22.5dBm	0	+1~-2dB
Band 17	704 MHz ~716 MHz		22.5dBm	0	+1~-2dB
Band 2	1850MHz~1910 MHz	16QAM	21.5dBm	0-1	+1~-2dB
Band 4	1710 MHz ~1755 MHz		22.5dBm	0-1	+1~-2dB
Band 5	824 MHz ~849 MHz		20.5dBm	0-1	+1~-2dB
Band 7	2500 MHz ~2570 MHz		20.5dBm	0-1	+1~-2dB
Band 12	699 MHz ~716 MHz		21dBm	0-1	+1~-2dB
Band 13	777 MHz ~787 MHz		21.5dBm	0-1	+1~-2dB
Band 17	704 MHz ~716 MHz		21.5dBm	0-1	+1~-2dB

Note: The setting of max. output power is QPSK modulation and 1RB, and other configurations comply with Maximum Power Reduction (MPR) of 3GPP.

WCDMA:

WCDMA			
Band	Frequency(MHz)	Output Power (dBm)	Tolerance (dB)
Band 2	1850MHz~1910MHz	24dBm	+1~-2dB
Band 5	824MHz~849MHz	24dBm	+1~-2dB

CDMA /EVDO:

WCDMA			
Band	Frequency(MHz)	Output Power (dBm)	Tolerance (dB)
BC0	824MHz~849MHz	25.5dBm	+1~-2dB
BC1	1850MHz~1910MHz	25dBm	+1~-2dB

GSM:

2G (GSM 850)				
Protocol	Frequency(MHz)	Uplink Multi-Slots	Output Power (dBm)	Tolerance (dB)
GSM	824MHz~849MHz	1 up	33dBm	+1~-2dB
GPRS	824MHz~849MHz	1 up	33dBm	+1~-2dB
GPRS	824MHz~849MHz	2 up	32.5dBm	+1~-2dB
GPRS	824MHz~849MHz	3 up	31dBm	+1~-2dB
GPRS	824MHz~849MHz	4 up	30.5dBm	+1~-2dB
EGPRS	824MHz~849MHz	1 up	27dBm	+1~-2dB
EGPRS	824MHz~849MHz	2 up	26.5dBm	+1~-2dB
EGPRS	824MHz~849MHz	3 up	25dBm	+1~-2dB
EGPRS	824MHz~849MHz	4 up	24.5dBm	+1~-2dB

2G (PCS 1900)				
Protocol	Frequency(MHz)	Uplink Multi-Slots	Output Power (dBm)	Tolerance (dB)
GSM	1850MHz~1910MHz	1 up	30dBm	+1~-2dB
GPRS	1850MHz~1910MHz	1 up	30dBm	+1~-2dB
GPRS	1850MHz~1910MHz	2 up	29.5dBm	+1~-2dB
GPRS	1850MHz~1910MHz	3 up	28dBm	+1~-2dB
GPRS	1850MHz~1910MHz	4 up	27.5dBm	+1~-2dB
EGPRS	1850MHz~1910MHz	1 up	27dBm	+1~-2dB
EGPRS	1850MHz~1910MHz	2 up	26.5dBm	+1~-2dB
EGPRS	1850MHz~1910MHz	3 up	25dBm	+1~-2dB
EGPRS	1850MHz~1910MHz	4 up	24.5dBm	+1~-2dB

WIFI:

WIFI				
Band	Frequency(MHz)	Protocol	Output Power (dBm)	Tolerance (dB)
2.4GHz	2412MHz~2462MHz	802.11b	13dBm	+1.5~-1.5dB
	2412MHz~2462MHz	802.11g	10dBm	+1.5~-1.5dB
	2412MHz~2462MHz	802.11n-20M	10dBm	+1.5~-1.5dB
	2422MHz~2452MHz	802.11n-40M	10dBm	+1.5~-1.5dB
5GHz	5180MHz~5240MHz	802.11a	10.5dBm	+1.5~-1.5dB
U-NII (Band1)	5180MHz~5240MHz	802.11n-20M	10.5dBm	+1.5~-1.5dB
	5190MHz~5230MHz	802.11n-40M	9.5dBm	+1.5~-1.5dB
5GHz	5745MHz~5825MHz	802.11a	9dBm	+1.5~-1.5dB
U-NII (Band3)	5745MHz~5825MHz	802.11n-20M	9dBm	+1.5~-1.5dB
	5755MHz~5795MHz	802.11n-40M	8dBm	+1.5~-1.5dB

BT:

Bluetooth				
Band	Frequency(MHz)	Protocol	Channel Numbers	Output Power (dBm)
2.4GHz	2402MHz~2480MHz	BT + EDR	79	4.5dBm (Peak)
	2402MHz~2480MHz	BLE	40	-2dBm (Peak)