

# Tune Up Procedure

## Tune-up procedure

PMR TEST

For BT

- 1: Connect to Power meter (NRVD) through RF cable and let the EUT Continuously transmit
- 2: Measure the Output Power Average value

## Manufacturing tolerance

2.0W			
Channel	5	12	
Frequency (MHz)	462.6500	462.6375	
Target (dBm)	32.0	32.0	
Tolerance $\pm$ (dB)	1.0	1.0	
1.8W			
Channel	5	12	
Frequency (MHz)	462.6500	462.6375	
Target (dBm)	32.0	32.0	
Tolerance $\pm$ (dB)	1.0	1.0	
Bluetooth V4.2			
BLE-GFSK (Average)			
Channel	Channel 0	Channel 19	Channel 39
Target (dBm)	-3.0	-1.0	-1.0
Tolerance $\pm$ (dB)	1.0	1.0	1.0

## Tune Up Procedure

1. RX Gain Calibration
  - a. Put DUT in test mode
  - b. Put DUT in BCH mode
  - c. Put DUT in selected channel band
  - d. Total gain chain calibration at center ARFCN
  - e. Frequency Ripple calibration
  - f. Complete RX\_AGC Gain table
  
2. TX Power Calibration
  - a. Put DUT in test mode
  - b. Put DUT in BCH mode
  - c. Put DUT in selected channel band
  - d. Total gain chain calibration at center ARFCN
  - e. Frequency Ripple calibration
  - f. Complete TX\_APC Gain table

3. AFC calibration
  - a. Put DUT in test mode
  - b. Put DUT in selected channel mode
  - c. Calibration AFC at center ARFCN
  - d. Complete AFC result table