

# Justification Letter

Date (18/05/2012)

BABT TCB  
Balfour House,  
Churchfield Road,  
Walton-on-Thames,  
Surrey,  
KT12 2TD

Dear Sir or Madam,

We,

Huawei Technologies Co., Ltd.  
Bantian, Longgang District, Shenzhen, 518129, China

hereby to do the Justification on FCC application: LTE 2D USB Rotator, E397Bu-501R3, FCC ID: QISE397BU-501R as following:

E397Bu-501R3 LTE/HSPA+/WCDMA/EDGE/GPRS/GSM dual mode10 bands 2D USB Rotator is subscriber equipment in the LTE/UMTS/GSM system. E397Bu-501R3 implement such functions as RF signal receiving/transmitting LTE, DC-HSPA+/WCDMA and EDGE/GPRS/GSM protocol processing, data service etc. Externally it provides USB interface (to connect to the notebook etc.), USIM card interface and Micro SD card interface.

The difference of E397Bu-501(LTE 2D USB Rotator, E397Bu-501, FCC ID: QIS397BU-501, Grant date: 2012-01-14) and E397Bu-501R3:

E397Bu-501 is a GSM/GPRS/EDGE/WCDMA/LTE 2D USB Rotator which supports GSM four bands, WCDMA band 1/2/5, LTE Band 4/17.

- 1) E397Bu-501R3 adds the WCDMA band 4 through software based on Old E397Bu-501. The PCB is the same. It doesn't affect the other bands performance.
- 2) E397Bu-501R3 increase the out power for WCDMA band 2 through NV.

The followed table is show the different between the 2 Modules.

	E397Bu-501 (old)	E397Bu-501R3 (new)
LTE AWS BAND	support	support
LTE BAND17	support	support
WCDMA B1	support	support
WCDMA PCS	Support 22dBm [ +/- 1dB]	Support Low channel:22.6dBm [ +/-1dB] Mid channel:22.6dBm [ +/-1dB] High channel:23.5dBm [ +/-1dB]
WCDMA AWS	NO	support
WCDMA B5	support	support
GSM 850/900/1800/1900	support	support
FLASH	the same	the same
PCB	the same	the same
Appearance	Common Appearance	Common Appearance

So in FCC application for E397Bu-501R3(FCC ID: QISE397BU-501R),

Test data for GSM/GPRS/EDGE 850MHz, WCDMA/HSPA+/HSDPA/HSUPA 850MHz refer to report “SYBH(Z-RF)006112011-2002” in FCC application for E397Bu-501(FCC ID: QISE397BU-501, Grant date: 2012-01-14), and this data according to Part 22 remains valid and applicable and they are representative of the compliance of E397Bu-501R3.

Test data for GSM/GPRS/EDGE 1900MHz refer to report “SYBH(Z-RF)006112011-2003” in FCC application for E397Bu-501(FCC ID: QISE397BU-501, Grant date: 2012-01-14), and this data according to Part 24 remains valid and applicable and they are representative of the compliance of E397Bu-501R3.

Test data for LTE Band 4/LTE Band 17 refer to report “SYBH(Z-RF)006112011-2001” in FCC application for E397Bu-501(FCC ID: QISE397BU-501, Grant date: 2012-01-14), and this data according to Part 27 remains valid and applicable and they are representative of the compliance of E397Bu-501R3.

New Test report (SYBH(Z-RF)001052012-2002, SYBH(Z-RF)001052012-2001) to demonstrate WCDMA/HSPA+/HSDPA/HSUPA 1900MHz and WCDMA/HSPA+/HSDPA/HSUPA 1700MHz comply with the part 24 requirement and part 27 requirement respectively.

New test report (SYBH(Z-EMC)038052012-2) to demonstrate comply with the Part 15B requirement.

Sincerely,

For and Behalf of:

Huawei Technologies Co., Ltd.

A handwritten signature in black ink, reading "Zhang Xinghai". The signature is written in a cursive, flowing style.

Zhangxinghai

EMC Laboratory Manager