



Justification Letter

Date (March 9, 2018)

Dear Sir or Madam,

We,

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

hereby to do the original application justification on FCC application: Smart Phone, CLT-L29, FCC ID: QISCLT-L29 as following:

CLT-L29 is subscriber equipment in the LTE/ WCDMA/GSM system. The LTE frequency band is Band 1,Band 2,Band 3,Band 4,Band 5, Band 6, Band 7,Band 8, Band 9,Band 12,Band17, Band 18 ,Band 19, Band 20, Band 26, Band 28, Band 32, Band 34,Band 38,Band39, Band 40 and Band 41 . But only Band 2, Band 4, Band 5, Band 7, Band12, Band 17,Band 26, Band 38 and Band 41 test data included in this report. The HSUPA/HSDPA/UMTS frequency band is Band I, Band II, Band IV, Band V, Band VI, Band VIII and Band XIX, But only Band II, Band IV and Band V test data can be used in this report. The GSM/GPRS/EDGE frequency band includes GSM850 and GSM900 and DCS1800 and PCS1900, but only GSM850 and DCS1900 bands test data included in this report. The Mobile Phone implements such functions as RF signal receiving/transmitting, LTE/ WCDMA /GSM protocol processing, voice, video, MMS service, GPS, NFC and WIFI etc. Externally it provides earphone port (to provide voice service) and dual USIM card interfaces. It also provides Bluetooth module to synchronize data between a PC and the phone, or to use the built-in modem of the phone to access the Internet with a PC, or to exchange data with other Bluetooth devices.

The mobile phone CLT-L04 (FCC ID: QISCLT-L04) is a Smart Phone. The differences between CLT-L04 and CLT-L29 are showed in the following table.

	Model	CLT-L04	CLT-L29
Licensed Frequency	LTE BAND	FCC Band: B2/B4/ B5/B7/B12/B17/B26/B38/ B41 MIMO B4/B7	FCC Band: B2/B4/ B5/B7/B12/B17/B26/B38/ B41 MIMO B3/B7
	UMTS BAND	Band II/IV/V	Band II/IV/V
	GSM	GSM 850/1900	GSM 850/1900
	IC	the same	the same
	Antenna	the same	the same
	NFC	the same	the same
Unlicensed Frequency	Bluetooth	the same	the same
	2.4G Wi-Fi	the same	the same
	IC	the same	the same
	Antenna	4*4 MIMO B4/B7 support RX and TX	4*4MIMO B3/B7 support RX and TX
Hardware	Ram / Rom	the same	the same
	Camera	the same	the same
	PCB	the same	the same
	USB Port	the same	the same



	SIM	Single	Dual
	Hardware version	the same	the same
RF	RF circuit	The PCB is same, only some capacitors, inductors are disabled and not affect FCC Band B5/ B12/B17/B26/B38/ B41, UMTS Band II/IV/V, GSM 850/1900 The capacitors, inductors is matching the difference specifications for LTE B2/4/7(include CA band) The hardware channel of LTE B2/4/7(include CA band) is different and not affect other band	The PCB is same, only some capacitors, inductors are disabled and not affect FCC Band B5/ B12/B17/B26/B38/ B41, UMTS Band II/IV/V, GSM 850/1900 The capacitors, inductors is matching the difference specifications for LTE B2/4/7(include CA band) The hardware channel of LTE B2/4/7(include CA band) is different and not affect other band
Appearance	Dimension	the same	the same
	Color	different	different
Accessory	Battery	the same	the same
	External Charger	the same	the same
	USB label	the same	the same
	Earphone	the same	the same

So in this FCC application for Smart Phone, CLT-L29, FCC ID: QISCLT-L29

New Test report CLT-L29-SYBH(Z-EMC)20171128003001 for FCC Part 15B have been submitted, and this report according to Part 15B is valid and applicable and they are representative of the compliance of CLT-L29, FCC ID: QISCLT-L29 .

Test data in report SYBH(Z-RF)20171128003001-2005 for Bluetooth (DSS part) refer to report "SYBH(Z-RF)20171129004001-2005" in FCC application for CLT-L04 (FCC ID: QIS CLT-L04), and this data remains valid and applicable and they are representative of the compliance of CLT-L29 (FCC ID: QIS CLT-L29)

Test data in report SYBH(Z-RF)20171128003001-2004 for Bluetooth Low Energy(DTS part) refer to report "SYBH(Z-RF)20171129004001-2004" in FCC application for CLT-L04 (FCC ID: QIS CLT-L04), and this data remains valid and applicable and they are representative of the compliance of CLT-L29 (FCC ID: QIS CLT-L29)

Test data in report SYBH(Z-RF)20171128003001-2002 for 2.4GHz WLAN(DTS part) refer to report "SYBH(Z-RF)20171129004001-2002" in FCC application for CLT-L04 (FCC ID: QISCLT-L04), and this data remains valid and applicable and they are representative of the compliance of CLT-L29 (FCC ID: QISCLT-L29).



Test data in report SYBH(Z-RF)20171128003001-2003 for 5GHz WLAN refer to “SYBH(Z-RF)20171129004001-2003” in FCC application for CLT-L04 (FCC ID: QISCLT-L04), and this data remains valid and applicable and they are representative of the compliance of CLT-L29 (FCC ID: QISCLT-L29).

Test data in report SZEM180100021801 for DFS test of 5GHz WLAN refer to “SZEM180100021701” in FCC application for CLT-L04 (FCC ID: QISCLT-L04), and this data remains valid and applicable and they are representative of the compliance of CLT-L29 (FCC ID: QISCLT-L29).

Test data in report SZEM180100021802 for spurious emission test of 5GHz WLAN refer to “SZEM180100021702” in FCC application for CLT-L04 (FCC ID: QISCLT-L04), and this data remains valid and applicable and they are representative of the compliance of CLT-L29 (FCC ID: QISCLT-L29).

Test data in report SYBH(Z-RF)20171128003001-2001 for GSM/UMTS/LTE(except LTE band 26) refer to report “SYBH(Z-RF)20171129004001-2001” in FCC application for CLT-L04 (FCC ID: QISCLT-L04), and this data remains valid and applicable and they are representative of the compliance of CLT-L29 (FCC ID: QISCLT-L29). LTE Band 2/4/7 have full test and update in report , and other bands have RSE test and the result get better than CLT-L04 , so it didn't update in the report .

Test data in report SZEM180200138803 for LTE band 26(814-824MHz) refer to report “ER-2018-10125” in FCC application for CLT-L04 (FCC ID: QISCLT-L04), and this data remains valid and applicable and they are representative of the compliance of CLT-L29 (FCC ID: QISCLT-L29).

Test data in report SZEM180100021803 for LTE band 26(824-849MHz) refer to report “SZEM180100021703” in FCC application for CLT-L04 (FCC ID: QISCLT-L04), and this data remains valid and applicable and they are representative of the compliance of CLT-L29 (FCC ID: QISCLT-L29).

Test data in report SYBH(Z-RF)20171128003001-2006 for NFC refer to report “SYBH(Z-RF)20171129004001-2006” in FCC application for CLT-L04 (FCC ID: QISCLT-L04), and this data remains valid and applicable and they are representative of the compliance of CLT-L29 (FCC ID: QISCLT-L29).

Test data in report E5/2018/20038 for SAR refer to report “E5/2018/20036” in FCC application for CLT-L04 (FCC ID: QISCLT-L04), and this data remains valid and applicable and they are representative of the compliance of CLT-L29 (FCC ID: QISCLT-L29). But SAR test were repeated on worst case of each transmitter band.

Sincerely,

For and Behalf of:
Huawei Technologies Co., Ltd.

Zhangxinghai
EMC Laboratory Manager