



FCC Maximum Permissible Exposure(MPE) Estimation Report

Product Name: LTE CPE

Model: B310s-518

Report No.: SYBH(Z-SAR)013032015-2

FCC ID: QISB310S-518

	APPROVED (Lab Manager)	PREPARED (Test Engineer)
BY	<i>Wei Huanbin</i>	<i>Shen Peng</i>
DATE	2015-05-06	2015-05-06

The test results of this test report relate exclusively to the item(s) tested. The HUAWEI does not assume responsibility for any conclusions and generalisations drawn from the test results with regard to other specimens or samples of the type of the equipment represented by the test item. The test report may only be reproduced or published in full. Reproduction or publication of extracts from the report requires the prior written approval of HUAWEI.

Reliability Laboratory of Huawei Technologies Co., Ltd.

Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian,
Longgang District, Shenzhen, 518129, P.R.C

Tel: +86 755 28780808 Fax: +86 755 89652518

※ ※ **Modified History** ※ ※

REV.	DESCRIPTION	ISSUED	REMARK
v1.0	Initial Test Report Release	2015-04-16	Shen Peng
V1.1	Page 11&Page 17: Update the tune-up, External antenna 1 gain and MPE Evaluation results of GSM1900.	2015-05-06	Shen Peng



Table of Contents

1	EUT Description	5
1.1	General Description.....	5
2	Test specification(s).....	6
3	Testing laboratory	6
4	Applicant and Manufacturer	6
5	Application details.....	6
6	Ambient Condition.....	6
7	RF Exposure Requirements	7
8	RF Exposure Evaluation.....	10
8.1	Operation in GSM850.....	10
8.2	Operation in GSM1900.....	11
8.3	Operation in UMTS Band II	12
8.4	Operation in UMTS Band IV	12
8.5	Operation in UMTS Band V	13
8.6	Operation in LTE Band II.....	13
8.7	Operation in LTE Band IV	14
8.8	Operation in LTE Band V	14
8.9	Operation in LTE Band VII	15
8.10	Operation in WLAN 2.4G SISO	15
9	Exposure calculations for multiple sources.....	16
9.1	Estimation for WLAN2.4G MIMO	17
9.2	Estimation for GSM 850 & WLAN2.4G	17
9.3	Estimation for GSM 1900 & WLAN2.4G	17
9.4	Estimation for UMTS Band II & WLAN2.4G	18
9.5	Estimation for UMTS Band IV & WLAN2.4G.....	18
9.6	Estimation for UMTS Band V & WLAN2.4G.....	18
9.7	Estimation for LTE Band II & WLAN2.4G.....	19



9.8	Estimation for LTE Band IV & WLAN2.4G	19
9.9	Estimation for LTE Band V & WLAN2.4G	19
9.10	Estimation for LTE Band VII & WLAN2.4G	20



1 EUT Description

Device Information:			
Product Name :	LTE CPE		
Model :	B310s-518		
Device Type :	Mobile device		
Device Phase:	QISB310S-518		
Exposure Category:	Uncontrolled environment/general population		
Hardware Version :	WL1B310I		
Software Version :	V100R001		
Antenna Type :	Internal Antenna & External Antenna		
Device Operating Configurations:			
Supporting Mode(s)	GSM850/1900,UMTS Band II/IV/V,LTE Band II/IV/V/VII, WLAN 2.4G		
Test Modulation	GSM(GMSK/8PSK),UMTS(QPSK),LTE(QPSK/16QAM), WLAN(DSSS/OFDM)		
Device Class	B		
Operating Frequency Range(s)	Band	Tx (MHz)	Rx (MHz)
	GSM850	824-849	869-894
	GSM1900	1850-1910	1930-1990
	UMTS Band II	1850-1910	1930-1990
	UMTS Band IV	1710-1755	2110-2155
	UMTS Band V	824-849	869-894
	LTE Band II	1850–1910	1930–1990
	LTE Band IV	1710-1755	2110-2155
	LTE Band V	824-849	869-894
	LTE Band VII	2500-2570	2620-2690
	WLAN 2.4G	2400-2483.5	2400-2483.5

1.1 General Description

B310s-518 LTE/DC-HSDPA/WCDMA/EDGE/GPRS/GSM mutli-mode LTE CPE is subscriber equipment in the LTE/UMTS/GSM system and support WLAN 802.11 b/g/n. B310s-518 implement such functions as RF signal receiving/transmitting, LTE/HSPA/WCDMA and EDGE/GPRS/GSM protocol processing, data service etc. It provides USIM card interface, RJ45/RJ11 Ethernet interface and two external antenna interfaces.



2 Test specification(s)

ANSI Std C95.1-1992	Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz – 300 GHz.(IEEE Std C95.1-1991)
KDB 447498 D01	General RF Exposure Guidance v05r02

3 Testing laboratory

Test Site	Reliability Laboratory of Huawei Technologies Co., Ltd.
Test Location	Zone G1,Huawei Industrial Base, Bantian Industry Area, Longgang District, Shenzhen, Guangdong, China
Telephone	+86 755 28780808
Fax	+86 755 89652518
State of accreditation	The Test laboratory (area of testing) is accredited according to ISO/IEC 17025. A2LA CERT #2174.01 CNAS Registration number: L0310

4 Applicant and Manufacturer

Company Name	HUAWEI TECHNOLOGIES CO., LTD
Address	Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C

5 Application details

Start Date of test	2015-04-16
End Date of test	2015-04-16

6 Ambient Condition

Ambient temperature	20°C – 24°C
Relative Humidity	30% – 70%



7 RF Exposure Requirements

An estimation of MPE in this application for product is used to ensure if it complies to the rules of the standard in the regulation list above.

Maximum permissible exposure (MPE) refers to the RF energy that is acceptable for human exposure. It is broken down into two categories, Occupational/controlled and General population/uncontrolled.

Occupational/controlled limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure. Limits for occupational/controlled exposure also apply in situations when an individual is transient through a location where occupational/controlled limits apply provided he or she is made aware of the potential for exposure.

General population/uncontrolled exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or can not exercise control over their exposure.

We analysis if it comply with the limits for General population/uncontrolled exposure. The FCC's MPE limits for field strength and power density are given in 47CFR 1.1310(Table below).These limits are generally based on recommended exposure guidelines published by the National Council on Radiation Protection and Measurements (NCRP), and also partly based on guidelines recommended by the American National Standards Institute (ANSI) in Section 4.1 of ANSI/IEEE C95.1.

**Table: Limits For Maximum Permissible Exposure (MPE)**

(A) Limits for Occupational/controlled Exposure				
Frequency Range(MHz)	Electric Field Strength(E)(V/m)	Magnetic Field Strength(H)(A/m)	Power Density (S)(mW/cm ²)	Averaging Time (minute) E ² , H ² or S
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842/f	4.89/f	(900/f ²)*	6
30-300	61.4	0.163	1.0	6
300-1500	--	--	f/300	6
1500-100,000	--	--	5	6
(B) Limits for General Population/uncontrolled Exposure				
Frequency Range(MHz)	Electric Field Strength(E)(V/m)	Magnetic Field Strength(H)(A/m)	Power Density (S)(mW/cm ²)	Averaging Time (minute) E ² , H ² or S
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f)*	30
30-300	27.5	0.073	0.2	30
300-1500	/	/	f/1500	30
1500-100,000	/	/	1.0	30
f=frequency in MHz			*Plane-wave equivalent power density	

A rough estimation of the expected exposure in power flux density on a given point can be made with the following equation:

$$S = \frac{P \times G}{4 \times \pi \times R^2}$$

Where:

S = power density

P = power input to the antenna

G = numeric gain of the antenna in the direction of interest relative to an isotropic radiator



R= distance to the centre of radiation of the antenna

$$\text{EIRP} = P * G$$

The antenna of the product, under normal use condition is at least 20 cm away from the body of the user. Warning statement to the user for keeping at least 20cm separation distance and the prohibition of operating to a person has been printed on the user's manual. Therefore, the S of the device is calculated with R=20cm, and if it is below the limit S, then we can conclude the device complies with the rules.



8 RF Exposure Evaluation

8.1 Operation in GSM850

(uplink: 824-849MHz, downlink: 869-894MHz)

Antenna type	Mode	Tune-up* limit (dBm)	Gain (dBi)	EIRP _{max} (dBm)	EIRP _{max} (W)	R (cm)	S (mW/cm ²)	MPE Limit (mW/cm ²)	Conclusion
Internal antenna	1TS*(1/8)	35.0	1.5	36.5	558.35	20	0.111	0.549	Pass
	2TS*(2/8)	35.0	1.5	36.5	1116.71	20	0.222	0.549	Pass
	3TS*(3/8)	33.2	1.5	34.7	1106.70	20	0.220	0.549	Pass
	4TS*(4/8)	32.0	1.5	33.5	1119.36	20	0.223	0.549	Pass
External antenna1	1TS*(1/8)	35.0	3.0	38.0	788.70	20	0.157	0.549	Pass
	2TS*(2/8)	35.0	3.0	38.0	1577.39	20	0.314	0.549	Pass
	3TS*(3/8)	33.2	3.0	36.2	1563.26	20	0.311	0.549	Pass
	4TS*(4/8)	32.0	3.0	35.0	1581.14	20	0.315	0.549	Pass
External antenna2	1TS*(1/8)	35.0	1.0	36.0	497.63	20	0.099	0.549	Pass
	2TS*(2/8)	35.0	1.0	36.0	995.27	20	0.198	0.549	Pass
	3TS*(3/8)	33.2	1.0	34.2	986.35	20	0.196	0.549	Pass
	4TS*(4/8)	32.0	1.0	33.0	997.63	20	0.199	0.549	Pass

Note: *- based on the maximum tune-up tolerance limit declared by manufacturer

According to the Table, we can conclude the max power density level at 20 cm is 0.315 mW/cm², which is below the uncontrolled exposure limit of 0.549 mW/cm² at 824MHz, so we can conclude it is into compliance.



8.2 Operation in GSM1900

(uplink: 1850-1910MHz, downlink: 1930-1990MHz)

Antenna type	Mode	Tune-up* limit (dBm)	Gain (dBi)	EIRP _{max} (dBm)	EIRP _{max} (W)	R (cm)	S (mW/cm ²)	MPE Limit (mW/cm ²)	Conclusion
Internal antenna	1TS*(1/8)	30.0	2.2	32.2	207.45	20	0.041	1.000	Pass
	2TS*(2/8)	30.0	2.2	32.2	414.90	20	0.083	1.000	Pass
	3TS*(3/8)	29.7	2.2	31.9	580.81	20	0.116	1.000	Pass
	4TS*(4/8)	29.0	2.2	31.2	659.13	20	0.131	1.000	Pass
External antenna1	1TS*(1/8)	30.0	3.0	33.0	249.41	20	0.050	1.000	Pass
	2TS*(2/8)	30.0	3.0	33.0	498.82	20	0.099	1.000	Pass
	3TS*(3/8)	29.7	3.0	32.7	698.28	20	0.139	1.000	Pass
	4TS*(4/8)	29.0	3.0	32.0	792.45	20	0.158	1.000	Pass
External antenna2	1TS*(1/8)	30.0	1.5	31.5	176.57	20	0.035	1.000	Pass
	2TS*(2/8)	30.0	1.5	31.5	353.13	20	0.070	1.000	Pass
	3TS*(3/8)	29.7	1.5	31.2	494.35	20	0.098	1.000	Pass
	4TS*(4/8)	29.0	1.5	30.5	561.01	20	0.112	1.000	Pass

Note:*- based on the maximum tune-up tolerance limit declared by manufacturer

According to the Table, we can conclude the max power density level at 20 cm is 0.158 mW/cm², which is below the uncontrolled exposure limit of 1.000mW/cm² at 1850MHz, so we can conclude it is into compliance.



8.3 Operation in UMTS Band II

(uplink: 1850-1910MHz, downlink: 1930-1990MHz)

Antenna type	Tune-up* limit (dBm)	Gain (dBi)	EIRP _{max} (dBm)	EIRP _{max} (W)	R(cm)	S (mW/cm ²)	MPE Limit (mW/cm ²)	Conclusion
Internal antenna	25.7	2.2	27.9	616.6	20	0.123	1.000	Pass
External antenna1	25.7	4.0	29.7	933.3	20	0.186	1.000	Pass
External antenna2	25.7	1.5	27.2	524.8	20	0.104	1.000	Pass

Note:*- based on the maximum tune-up tolerance limit declared by manufacturer

According to the Table, we can conclude the max power density level at 20 cm is 0.186 mW/cm², which is below the uncontrolled exposure limit of 1mW/cm² at 1850MHz, so we can conclude it is into compliance.

8.4 Operation in UMTS Band IV

(uplink: 1710-1755MHz, downlink: 2110-2155MHz)

Antenna type	Tune-up* limit (dBm)	Gain (dBi)	EIRP _{max} (dBm)	EIRP _{max} (W)	R(cm)	S (mW/cm ²)	MPE Limit (mW/cm ²)	Conclusion
Internal antenna	25.7	2.0	27.7	588.8	20	0.117	1.000	Pass
External antenna 1	25.7	4.0	29.7	933.3	20	0.186	1.000	Pass
External antenna 2	25.7	1.5	27.2	524.8	20	0.104	1.000	Pass

Note:*- based on the maximum tune-up tolerance limit declared by manufacturer

According to the Table, we can conclude the max power density level at 20 cm is 0.186 mW/cm², which is below the uncontrolled exposure limit of 1.000mW/cm² at 1710MHz, so we can conclude it is into compliance.



8.5 Operation in UMTS Band V

(uplink: 824-849MHz, downlink: 869-894MHz)

Antenna type	Tune-up* limit (dBm)	Gain (dBi)	EIRP _{max} (dBm)	EIRP _{max} (W)	R(cm)	S (mW/cm ²)	MPE Limit (mW/cm ²)	Conclusion
Internal antenna	25.7	1.5	27.2	524.8	20	0.104	0.549	Pass
External antenna 1	25.7	3.0	28.7	741.3	20	0.148	0.549	Pass
External antenna 2	25.7	1.0	26.7	467.7	20	0.093	0.549	Pass

Note:*- based on the maximum tune-up tolerance limit declared by manufacturer

According to the Table, we can conclude the max power density level at 20 cm is 0.148 mW/cm², which is below the uncontrolled exposure limit of 0.549mW/cm² at 824MHz, so we can conclude it is into compliance.

8.6 Operation in LTE Band II

(uplink: 1850-1910MHz, downlink: 1930-1990MHz)

Antenna type	Tune-up* limit (dBm)	Gain (dBi)	EIRP _{max} (dBm)	EIRP _{max} (W)	R(cm)	S (mW/cm ²)	MPE Limit (mW/cm ²)	Conclusion
Internal antenna	25.7	2.2	27.9	616.6	20	0.123	1.000	Pass
External antenna1	25.7	4.0	29.7	933.3	20	0.186	1.000	Pass
External antenna 2	25.7	1.5	27.2	524.8	20	0.104	1.000	Pass

Note:*- based on the maximum tune-up tolerance limit declared by manufacturer

According to the Table, we can conclude the max power density level at 20 cm is 0.186 mW/cm², which is below the uncontrolled exposure limit of 1.000mW/cm² at 1850MHz, so we can conclude it is into compliance.



8.7 Operation in LTE Band IV

(uplink: 1710-1755MHz, downlink: 2110-2155MHz)

Antenna type	Tune-up* limit (dBm)	Gain (dBi)	EIRP _{max} (dBm)	EIRP _{max} (W)	R(cm)	S (mW/cm ²)	MPE Limit (mW/cm ²)	Conclusion
Internal antenna	25.7	2.0	27.7	588.8	20	0.117	1.000	PASS
External antenna1	25.7	4.0	29.7	933.3	20	0.186	1.000	PASS
External antenna2	25.7	1.5	27.2	524.8	20	0.104	1.000	PASS

Note:*- based on the maximum tune-up tolerance limit declared by manufacturer

According to the Table, we can conclude the max power density level at 20 cm is 0.186 mW/cm², which is below the uncontrolled exposure limit of 1mW/cm² at 1710MHz, so we can conclude it is into compliance.

8.8 Operation in LTE Band V

(uplink: 824-849MHz, downlink: 869-894MHz)

Antenna type	Tune-up* limit (dBm)	Gain (dBi)	EIRP _{max} (dBm)	EIRP _{max} (W)	R(cm)	S (mW/cm ²)	MPE Limit (mW/cm ²)	Conclusion
Internal antenna	25.7	1.5	27.2	524.8	20	0.104	0.549	PASS
External antenna1	25.7	3.0	28.7	741.3	20	0.148	0.549	PASS
External antenna 2	25.7	1.0	26.7	467.7	20	0.093	0.549	PASS

Note:*- based on the maximum tune-up tolerance limit declared by manufacturer

According to the Table, we can conclude the max power density level at 20 cm is 0.148 mW/cm², which is below the uncontrolled exposure limit of 0.549mW/cm² at 824MHz, so we can conclude it is into compliance.



8.9 Operation in LTE Band VII

(uplink: 2500-2570MHz, downlink: 2620-2690MHz)

Antenna type	Tune-up* limit (dBm)	Gain (dBi)	EIRP _{max} (dBm)	EIRP _{max} (W)	R(cm)	S (mW/cm ²)	MPE Limit (mW/cm ²)	Conclusion
Internal antenna	25.7	2.5	28.2	660.7	20	0.132	1.000	PASS
External antenna 1	25.7	4.0	29.7	933.3	20	0.186	1.000	PASS
External antenna 2	25.7	1.5	27.2	524.8	20	0.104	1.000	PASS

Note:*- based on the maximum tune-up tolerance limit declared by manufacturer

According to the Table, we can conclude the max power density level at 20 cm is 0.186 mW/cm², which is below the uncontrolled exposure limit of 1.000mW/cm² at 2500MHz, so we can conclude it is into compliance.

8.10 Operation in WLAN 2.4G SISO

(uplink: 2400-2483.5MHz, downlink: 2400-2483.5MHz)

Antenna type	Tune-up* limit (dBm)	Gain (dBi)	EIRP _{max} (dBm)	EIRP _{max} (W)	R(cm)	S (mW/cm ²)	MPE Limit (mW/cm ²)	Conclusion
Antenna 1	18.0	1.0	19.0	79.43	20	0.016	1.000	PASS
Antenna 2	18.0	1.0	19.0	79.43	20	0.016	1.000	PASS

Note:*- based on the maximum tune-up tolerance limit declared by manufacturer

According to the Table, we can conclude the max power density level at 20 cm is 0.016 mW/cm², which is below the uncontrolled exposure limit of 1.000mW/cm² at 2400MHz, so we can conclude it is into compliance.



9 Exposure calculations for multiple sources

When a number of sources at different frequencies, and/or broadband sources, contribute to the total exposure, it becomes necessary to weigh each contribution relative to the MPE in accordance with the provisions of Table(A) and Table(B). To comply with the MPE, the fraction of the MPE in terms of E^2 , H^2 (or power density) incurred within each frequency interval should be determined and the sum of all such fractions should not exceed unity.

In order to ensure compliance with the MPE for a controlled environment, the sum of the ratios of the power density to the corresponding MPE should not exceed unity. That is

$$\sum_{i=1}^n \frac{S_i}{MPE_i} \leq 1$$

The product also has multiple transmitters The Simultaneous Transmission Possibilities are as below:

Simultaneous Tx Combination	Configuration
1	WLAN 2.4G MIMO
2	GSM/UMTS/LTE +WLAN 2.4G SISO
3	GSM/UMTS/LTE +WLAN 2.4G MIMO

Note: The GSM/UMTS/LTE internal antenna and GSM/UMTS/LTE external antenna can not transmit simultaneously.



9.1 Estimation for WLAN2.4G MIMO

Antenna type	Tune-up limit (dBm)	Gain (dBi)	EIRP _{max} (dBm)	EIRP _{max} (W)	R(cm)	S (mW/cm ²)	MPE Limit (mW/cm ²)	Calculation result	Conclusion
Antenna 1	16.5	1.0	17.5	56.23	20	0.011	1.000	0.022	PASS
Antenna 2	16.5	1.0	17.5	56.23	20	0.011	1.000		

9.2 Estimation for GSM 850 & WLAN2.4G

No.	Mode	S (mW/cm ²)	MPE Limit (mW/cm ²)	Calculation result	Conclusion
1	GSM 850	0.315	0.549	0.590	PASS
	WLAN 2.4G SISO	0.016	1.000		
2	GSM 850	0.315	0.549	0.596	PASS
	WLAN MIMO with Antenna 1	0.011	1.000		
	WLAN MIMO with Antenna 2	0.011	1.000		

9.3 Estimation for GSM 1900 & WLAN2.4G

No.	Mode	S (mW/cm ²)	MPE Limit (mW/cm ²)	Calculation result	Conclusion
1	GSM 1900	0.158	1.000	0.174	PASS
	WLAN 2.4G SISO	0.016	1.000		
2	GSM 1900	0.158	1.000	0.180	PASS
	WLAN MIMO with Antenna 1	0.011	1.000		
	WLAN MIMO with Antenna 2	0.011	1.000		



9.4 Estimation for UMTS Band II & WLAN2.4G

No.	Mode	S (mW/cm ²)	MPE Limit (mW/cm ²)	Calculation result	Conclusion
1	UMTS Band II	0.186	1.000	0.202	PASS
	WLAN 2.4G SISO	0.016	1.000		
2	UMTS Band II	0.186	1.000	0.208	PASS
	WLAN MIMO with Antenna 1	0.011	1.000		
	WLAN MIMO with Antenna 2	0.011	1.000		

9.5 Estimation for UMTS Band IV & WLAN2.4G

No.	Mode	S (mW/cm ²)	MPE Limit (mW/cm ²)	Calculation result	Conclusion
1	UMTS Band IV	0.186	1.000	0.202	PASS
	WLAN 2.4G SISO	0.016	1.000		
2	UMTS Band IV	0.186	1.000	0.208	PASS
	WLAN MIMO with Antenna 1	0.011	1.000		
	WLAN MIMO with Antenna 2	0.011	1.000		

9.6 Estimation for UMTS Band V & WLAN2.4G

No.	Mode	S (mW/cm ²)	MPE Limit (mW/cm ²)	Calculation result	Conclusion
1	UMTS Band V	0.148	0.549	0.286	PASS
	WLAN 2.4G SISO	0.016	1.000		
2	UMTS Band V	0.148	0.549	0.292	PASS
	WLAN MIMO with Antenna 1	0.011	1.000		
	WLAN MIMO with Antenna 2	0.011	1.000		



9.7 Estimation for LTE Band II & WLAN2.4G

No.	Mode	S (mW/cm ²)	MPE Limit (mW/cm ²)	Calculation result	Conclusion
1	LTE Band II	0.186	1.000	0.202	PASS
	WLAN 2.4G SISO	0.016	1.000		
2	LTE Band II	0.186	1.000	0.208	PASS
	WLAN MIMO with Antenna 1	0.011	1.000		
	WLAN MIMO with Antenna 2	0.011	1.000		

9.8 Estimation for LTE Band IV & WLAN2.4G

No.	Mode	S (mW/cm ²)	MPE Limit (mW/cm ²)	Calculation result	Conclusion
1	LTE Band IV	0.186	1.000	0.202	PASS
	WLAN 2.4G SISO	0.016	1.000		
2	LTE Band IV	0.186	1.000	0.208	PASS
	WLAN MIMO with Antenna 1	0.011	1.000		
	WLAN MIMO with Antenna 2	0.011	1.000		

9.9 Estimation for LTE Band V & WLAN2.4G

No.	Mode	S (mW/cm ²)	MPE Limit (mW/cm ²)	Calculation result	Conclusion
1	LTE Band V	0.148	0.549	0.286	PASS
	WLAN 2.4G SISO	0.016	1.000		
2	LTE Band V	0.148	0.549	0.292	PASS
	WLAN MIMO with Antenna 1	0.011	1.000		
	WLAN MIMO with Antenna 2	0.011	1.000		

9.10 Estimation for LTE Band VII & WLAN2.4G

No.	Mode	S (mW/cm ²)	MPE Limit (mW/cm ²)	Calculation result	Conclusion
1	LTE Band VII	0.186	1.000	0.202	PASS
	WLAN 2.4G SISO	0.016	1.000		
2	LTE Band VII	0.186	1.000	0.208	PASS
	WLAN MIMO with Antenna 1	0.011	1.000		
	WLAN MIMO with Antenna 2	0.011	1.000		

According to the Table above, we can conclude that the calculation results of all simultaneous transmission possibilities are less than 1, so it is into compliance. Therefore the product also meets the requirements under multiple sources condition.

-----END-----