



To whom it may concern:

We, Huawei Technologies Co., Ltd., states according to the difference description below,

## 1 Difference between QISVOG-LX9 and QISVOG-L04

Model	QISVOG-LX9	QISVOG-L04	
PCB	The same	The same	
Frequency-GSM	The same	The same	
Frequency-WCDMA	The same	The same	
Frequency-LTE	The same Support B32 Unsupport B66	Different Support B66 Unsupport B32	
4*4 Mimo	The same Support B1、B3、B7	Different Support B2、B4、B7、B66	
SIM Card	Dual	Single	
Hard war e	<b>B32</b> <b>RF</b> <b>circui</b> <b>t</b>	Support B32  Location ID: SAW filter:Z3401,Z4104, B32 Diplexer:Z3402,Z5403 RF low noise amplifier:U3405,U4103 Capacitor:C3422,C3423,C3425,C3442,C 2912,C3411,L3533,L4416,C3418,C4102 Inductor:L3412,L3422,L3413,L3408,L41 24,L4137,L4139,L4140 Function Description:B32 main RF circuit and diversity RF circuit	Unsupport B32 Delete components related to the B32 RF circuit.



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		<p>Support B1/3/7 4*4MIMO and delete/replace components related circuit;</p> <p>Location ID: <b>4*4</b> B1/3/7 <b>MIM</b> SAW filter of the 4th antenna :Z4403 <b>O(th e 3rd</b> (Vendor:KYOCERA type:SF18-1842M8SUA3) <b>&amp; 4th</b> SAW filter of the 3rd antenna :Z4301 <b>ante nna)</b> (Vendor:KYOCERA type:SF18-1842M8SUA3) Capacitor:L5507,C5401,C5402,C5517,C3411,L3533,L4416 Inductor:L5510,L4330,L5415,L3408,L4419 Function Description: B1/3/7 4*4MIMO RF circuit</p>	<p>Support B2/7/66(4) 4*4MIMO and delete/replace components related circuit;</p> <p>Location ID: B2/7/66(4) SAW filter: SAW filter of the 4th antenna :Z4403 (Vendor:MURATA type:SATEY1G96AU3F0AR00) SAW filter of the 3rd antenna :Z4301 (Vendor:MURATA type:SATEY1G96AU3F0AR00) Inductor:L4419,L4412,L4416,C5444,C5407,L5510 Function Description:B2/7/66(4) 4*4MIMO RF circuit</p>
		<p>Unsupport B66 and delete/replace components related circuit;</p> <p>Support CA_1-3-32</p> <p>Location ID: <b>B1/B3/B3</b> B1/B3 <b>2 &amp; B2/B</b> Quadruplexer:Z3502(Vendor:QORVO, type:QM25002TR13-5KHW) <b>66 RF</b> Capacitor:C3533 <b>&amp;CA circui t</b> B2 SAW filter: Z4101(Vendor:MURATA ect. type:SAFFB1G96AB0F0AR1X ect.) L4123,L4122,L3523,L3532,C3520,L3512,L4419 Function Description:B2 RX and CA_1-3-32 diplexer RF circuit</p>	<p>Unsupport CA_1-3-32 and delete/replace components related circuit;</p> <p>Support B66 &amp;Support CA_2-66</p> <p>Location ID: B2/B7/B66(4) diversity TRI SAW filter:Z4105 (Vendor:MURATA type:SATEY1G96AU3F0AR00) B2/B66(B4) Quadruplexer:Z3502( Vendor:KYOCERA type:SQ25-1745K6SUA4) Capacitor:C3401,C3402,C3504,L4110 Inductor:L3532,L4111,L4112,L4107,L4109,L4114,L4108,L4118,C3520,L3533,L3512 Function Description:B2/B66 Single-band and CA main and diversity RF circuits</p>
	<b>B7 RX circuit</b>	<p>B7 receive matching circuit include:</p> <p>Inductor:L4127,L4126</p>	<p>B7 receiving matching circuit is adjusted to include:</p> <p>Inductor:C4101</p> <p>B7 diversity TRI SAW</p>



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		filter:Z4105(Vendor:MURATA type:SATEY1G96AU3F0AR00)
<b>Software</b>	Different	Different
<b>Dimensions</b>	The same	The same
<b>Appearance</b>	The same	The same
<b>main antenna</b>	The same	The same
<b>DIV antenna</b>	The same	The same
<b>BT/Wi-Fi antenna</b>	The same	The same
<b>MIMO antenna</b>	The same	The same
<b>NFC</b>	The same	The same
<b>WPC</b>	The same	The same
<b>Supported CA configurations for DL CA</b>	Different	Different
<b>Supported CA configurations for UL CA</b>	The same	The same
<b>Others</b>	NA	NA

The VOG-L29/VOG-L09 and VOG-L04 is family models. Based on above details of model difference, some original data of FCC ID: QISVOG-L04 remains representative of FCC ID: QISVOG-LX9 after engineering judgment, detailed explanation of re-used data as below:

For SAR, new full test of LTE band 7,for the other frequency bands,QISVOG-LX9 shares the same test data of QISVOG-L04 and is tested at the SAR worst case of QISVOG-L04

the re-used test data in QISVOG-LX9 refer to QISVOG-L04 Report NO. SYBH(Z-SAR)20181218028001-2

For RF , We performed new test for LTE band7 and intra-band CA\_7C of VOG-L29,but the power is not worsen than the same bands of VOG-L04,so we only presented RSE in SYBH(Z-RF)20181218028001-2001 .For other Bands RSE was tested and presented RSE in SYBH(Z-RF)20181218028001-2001 .The other test data in QISVOG-LX9 can refer to QISVOG-L04 Report



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NO.

HR20191000201(WPT)  
HR20191000202(DFS/WIFI 5G RSE)  
SYBH(Z-RF)20181218028001-2002(WIFI 2.4G)  
SYBH(ZRF)20181218028001-2006(NFC)  
SYBH(Z-RF)20181218028001-2001(GSM/ WCDMA/LTE)  
SYBH(Z-RF)20181218028001-2005 (WIFI 5G)  
SYBH(Z-RF)20181218028001-2004(BT BLE)  
SYBH(Z-RF)20181218028001-2003(BT)

Zhang Xinghai  
EMC Laboratory Manager  
Huawei Technologies Co., Ltd.  
E-mail: zhangxanghai@huawei.com  
Tel: 0086-0755-28970299  
Fax: 0086-0755-89650226