

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	B32 RF circuit	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.

	4*4 MIMO (the 3rd & 4th antenna)	Support B1/3/7 4*4MIMO and delete/replace components related circuit; Location ID: B1/3/7 SAW filter of the 4th antenna :Z4403 (Vendor:KYOCERA type:SF18-1842M8SUA3) SAW filter of the 3rd antenna :Z4301 (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	Support B2/7/66(4) 4*4MIMO and delete/replace components related circuit; Location ID: B2/7/66(4) 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
	B1/B3/B32 & B2/B66 RF & CA circuit	Unsupport B66 and delete/replace components related circuit; Support CA_1-3-32 Location ID: B1/B3 Quadruplexer:Z3502(Vendor:QORVO, type:QM25002TR13-5KHW) Capacitor:C3533 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	Unsupport CA_1-3-32 and delete/replace components related circuit; Support B66 &Support CA_2-66 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
	B7 RX circuit	B7 receive matching circuit include: Inductor:L4127,L4126	B7 receiving matching circuit is adjusted to include: Inductor:C4101 B7 diversity TRI SAW

			filter:Z4105(Vendor:MURATA type:SATEY1G96AU3FOAR00)
Software	Different		Different
Dimensions	The same		The same
Appearance	The same		The same
main antenna	The same		The same
DIV antenna	The same		The same
BT/Wi-Fi antenna	The same		The same
MIMO antenna	The same		The same
NFC	The same		The same
WPC	The same		The same
Supported CA configurations for DL CA	Different		Different
Supported CA configurations for UL CA	The same		The same
Others	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



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)

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