



Xiaomi Communications Co., Ltd.

The Rainbow City of China Resources, NO.68, Qinghe Middle Street, Haidian District, Beijing, China

To who it may concern:

We, Xiaomi Communications Co., Ltd., declare on our sole responsibility for the product of **220733SG** as below:

The differences between **220733SG** and previous model **220733SG** are as below:

1. Add 2nd supplier RF PA

RF Part:

RF band are same between 2nd supplier RF PA and 1st supplier RF PA .

RF SW Part:

Modem has been changed to adjust PA usid and bias.

QCN has been changed for improve GSM TX timing、GSM pa swap point and gsm low band ramp parameter.

RF HW PART:

There are no change of DRX Saw and Duplexer.

1st supplier RF PA:

--TXM+PA

--TXM—OM8816-62M

--PA—HS8443-61M

2nd supplier RF PA:

--TXM+PA

--TXM—NZ5596M

--PA—NZ5627M

Except of TXM and PA changes , The capacitance and inductance on the RF path also have few diffence.

Band	Designation	Original	Change
B1	L3345	2.0nH	1.8nH
	L3344	3.6nH	3.0nH
	L3218	2.4nH	1.8nH
	C3255	0.75pF	0.5pF
B3	C3359	NC	2.7nH



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	L3321	2.4nH	0R
	L3322	4.7nH	NC
	C3236	NC	1.2pF
	L3227	4.3nH	3.6nH
	C3237	0.5pF	1.0pF
B5	C3329	5.1nH	0R
	L3306	8.2nH	5.6nH
	L3215	2.2nH	4.3nH
	C3229	1.8pF	2.7pF
B7	C3343	2.2nH	1.8nH
	L3319	56pF	33pF
	C3248	NC	0.5pF
	L3247	0.5pF	NC
B8	C3391	5.6nH	NC
	L3314	1nH	18pF
	L3317	NC	6.2nH
	C3278	NC	22nH
	C3279	9.1nH	6.8nH
	C3277	1.8pF	NC
	C3275	47pF	0R
	C3274	47pF	0R
B20	L3361	NC	8.2nH
	L3303	8.2pF	2.0nH
	L3304	6.2nH	NC
	L3208	5.1nH	5.6nH
	C3224	1.8pF	2.0pF
B28A	R3312	8.2nH	0R
	L3312	10nH	6.8nH
	C3220	NC	22nH
	L3201	10nH	9.1nH
	C3221	4.3pF	3.9pF
B28B	C3290	10nH	18pF
	C3292	2.4pF	10nH
	C3272	47pF	0R



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	C3273	47pF	0R
B40	C3246	NC	3.0nH
	L3232	0R	1.0nH
	L3234	4.3nH	NC
	L3231	5.1nH	NC
	L3236	47pF	3.6nH
	C3244	NC	1.0pF
B41	C3269	1.5nH	2.0nH
	L3233	4.3nH	3.9nH
	C3284	33pF	0R
	C3250	0.75pF	0.5pF
	L3249	1.5nH	12pF
	C3251	0.5pF	NC

Except listings above, the others are all the same as previous version.

Should you have any questions or comments regarding this matter, please have my best attention.

Sincerely yours,

Zeng Qingyao

Contact Person: Zeng qingyao

Applicant:

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