

1) Unless specifically requested for a given FCC ID, in general it is not needed to re-submit in a C2pc exhibits from an original filing that are completely unchanged relative to the original filing; for this FCC ID, e.g., external photos, block diagram (unless we are mistaken that those are identical).

Actually in many cases it could be preferred to not submit in C2pc such no-change exhibits UNLESS some specific letter exhibit and/or EXHIBIT NAME in the filing system identifies those as unchanged from the original filing under the FCC ID.

For this case, TCB please prepare a letter exhibit listing all exhibits submitted in this C2pc that are completely unchanged from the original filing, OR TCB please supersede in this filing said duplicate exhibits.

We have superseded the following exhibits: Block diagram, External Photos, Schematics, Internal Photos, Parts List, Tune Up, Circuit Description.

The applicant was providing these to demonstrate they are unchanged (to support S/W change only, assertion). However now we know it is not allowed to upload same exhibits, we will follow this guidance in future.

2a) For reference, original and C2pc f731 power and emissions are listed below.

TC295239, original 08/02/2012

2112.5–2152.5, 116, 4M47F9W

2115–2150, 129, 8M92F9W

2117.5–2147.5, 114, 13M8F9W

2120–2145, 125, 17M8F9W

TC216855, C2pc 07/16/2015

2112.5–2152.5, 58.61, 4M76G7D

2115–2150, 64.86, 8M93G7D

2117.5–2147.5, 56.89, 13M8G7D

2120–2145, 61.94, 17M8G7D

2112.4–2152.6, 61.24, 3M97F9W

2112.4–2152.6, 58.48, 8M87F9W

2110–2150, 46.88, 38M4G7D

2115–2155, 50.58, 38M7W9W

2b) We assume for example the 8M92F9W line of the original corresponds to the 8M93G7D of the C2pc (or please advise if that is incorrect).

Unless it is explicit in filings already, TCB please explain uniform FCC–TCB policy/procedure for using G7D rather than F9W in the C2pc, and/or please explain technical rationale for the change.

The emission classification for the LTE is G7D and not F9W. F9W is the emission classification for WCDMA, and therefore LTE lines are listed as G7D in this C2PC.

2c) The original grant lists max. power 129 W (8M92F9W), and has grant comment: "Power output listed is conducted per port."

The C2pc lists max power 64.86 W (8M93G7D), and has grant comment: "Power output listed is conducted per port."

Unless it is explicit in filings already, TCB please explain uniform FCC–TCB policy/procedure for the per-port max. power listed on the original AND on the C2pc.

The output power in the original authorization was not the output power of antenna port, the listed power was the power which added the antenna gain, so was higher. This C2PC lists the output power without antenna gain.

3) Concerning 38M4G7D and 38M7W9W lines on the f731, unless it is explicit in filings already, TCB please explain the uniform FCC–TCB policy/procedure and/or applicable rule for that testing, grant listing, and selection of emission designators.

2110-2150, 46.88, 38M4G7D - 1 LTE carrier and 2 UMTS carriers (LTE: 2110-2130 MHz (20W) / UMTS 1: 2139.9-2144.9 (15W) / 2144.9-2149.9 MHz (15W) – config 1 per page 52 of report RF20140038RP). Also 1 LTE carrier and 2 UMTS carriers (LTE: 2110-2125 MHz (20W) / UMTS 1: 2139.9-2144.9 (15W) / 2144.9-2149.9 MHz (15W) – config 2 per page 52 of report RF20140038RP)

2115-2155, 50.58, 38M7W9W - 1 LTE carrier and 2 UMTS carriers (LTE: 2115-2125 (20W) / UMTS 1: 2144.9-2149.9 (15W) / 2149.9-2154.9 MHz (15W) – config 3 per page 52 of report RF20140038RP). Also 1 LTE carrier and 1 UMTS carriers (LTE: 2115-2130 (20W) / UMTS 1: 2144.9-2154.9 (30W) - config 4 per page 52 of report RF20140038RP)

Apologies, after checking on the designator, we have changed the W9W characterization to G7D.