

TOSHIBA

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To

Frank Josef
Wireless Connectivity
Department
Power Electronics R&D Center

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RE: Declaration of Hardware Identity of TC35661SBG-501 and TC35661SBG-551

Dear Mr. Josef,

The TC35661SBG-501 and TC35661SBG-551 are both part of the same radio product family from Toshiba Corporation. Those two IC have a difference as for the RX image frequency, keeping the same RX block diagram to improve for RF performances. Therefore 551's RX sensitivity and C/I performances are better than 501's. From a physical perspective, these two parts are identical, i.e. the dies and die size are the same, the package and the packaging and all the ingoing materials needed to assemble the device are the same. And finally the RF characteristics of Bluetooth specification are satisfied.

What differentiates these devices is that TC35661SBG-551 supports hardware improvement for LE RX sensitivity and C/I performance.

Since the receiver chain, RX block diagram, and the transmitter chain, TX block diagram, are identical for both devices, Toshiba Corporation believes these devices should be considered to be equal from a regulatory perspective. Given two otherwise identical end products – one using TC35661SBG-501 and the other TC35661SBG-551 – this means that under the FCC regulations Toshiba Corporation would expect e.g. the TC35661SBG-551 based product could be certified under the appropriate permissive change based off the TC35661SBG-501 regulatory approval.

With best regards



(Heiner Tendyck)