◾ RF Exposure information

This product is Car remote controller which operated in handy for person.
as a result the below calculated RF SAR evaluation previous SAR test
this product is not required SAR test according to FCC Rule.
So, Above FCC Rule about in this product is Section 1.1307 and 1.1310

RF Power of this product is a follows ;
- Maximum conducted peak power : 4.71 mW (6.73 dBm) (See the Test report clause 5.4)
- Antenna gain: 3.5 dBi = (2.239: numerical ANT gain)....See a Antenna specification
- $\therefore$ P_{eirp} (mW) : 4.71 mW x 2.239 = 10.54 mW$_{eirp}$

above P_{eirp} is calculated as below two unit ;
P_{eirp} (dBm) = P_{erp} (dBm) + 2.15, P_{eirp} (mW) = P_{erp} (mW) x1.64

According to the calculated above P_{eirp} (mW) in this product is less than <u>24.58 mW</u>$_{eirp}$ of FCC requirement standard

The next, according to FCC Requirement Rule, also this product is not required SAR because as follows;

according 447898 Do1 Mobile Portable RF Exposure v03r02 of FCC, we try to prove the safety of radiation harmfulness to the human body for our customer product. result of test measurement for product it's the source-based time-averaged output power is $\leq 60/f_{(GHz)}$. So, meet to General requirements above Rule and the SAR measurement techniques of OET Bulletin 65 Supplement C01-01 and IEEE Std 1528-2003.

above threshold level which is exception required value of SAR [$\leq 60/f_{(GHz)}$] limits can be guaranteed as the follow calculation;

above thresholds limit $\leq 60/f_{(GHz)}$ is

- $60/f_{(GHz)}$: 60 / 2.441 = 24.58 mW$_{eirp}$
(2.441 GHz is middle channel frequency of this product's hopping channel)

and this product P_{eirp} power is already above calculated: 10.54 mW$_{eirp}$

$\therefore$ So, calculated product power 10.54 mW is less than 24.58 mW required SAR threshold level

Date : March. 22nd, 2011   Test engineer : Mi Young Lee