| | | | R | F Ext | oosure | / SAR S | Statemer | nt | | | | | |
|---------------------|--------------|--------------|--------------------------------|------------------|---------------------------|---------------|-----------------|--------------------|-------------------|----------|--------|---|--|
| | | | | | | FE0180 | | | | | | | |
| | | Applicant | : | CONTEC CO., LTD. | | | | | | | | | |
| | | Type of E | quipme nt | : | Wireless LAN MiniPCI Card | | | | | | | | |
| | | Model No | • | : | FX-DS540-MPCI6 | | | | | | | | |
| | | FCC ID | | : | PQRDS540-MPCI6 | | | | | | | | |
| | | | | | | | | | | | | | |
| CONTEC | CO ITI |) daalamaa t | hat Madal : | Winalag | a I ANI N | AimiDCI Cor | .d | | | | | | |
| | | | hat Model : | | | | | (for portable |)/2 1091 <i>i</i> | (for m | ohile) | | |
| compiles w | | испиноп схр | osure requir | | респес | III die i ee | Ruics 2.1075 | (lor portable |)/2.10)1 (| (101 118 | oone). | | |
| | | | | | | | | | | | | | |
| | | | | | | | | 8.32 mW of | EIRP. | | | | |
| | | | 60/frequency | | | | | | | | | | |
| so that SAI | R testing is | excluded. | The Followin | ng calcul | lation is t | he reference | data for 20 | em distance. | | | | | |
| DES | | <u> </u> | | - | | | | | | | | | |
| RF Expos | ure Calcu | llations: | | | | | | | | | | - | |
| The followi | na informa | tion provide | e the minim | um cena | ration dis | stance for th | ne highest gai | 1 | | | | | |
| | | | S540-MPC | | | | ic mgrest gar | 1 | | | | | |
| | | | | | | | pulation / Ur | controlled | | | | | |
| | | | ed on the hig | | | | - | | | | | | |
| considering | maximum | n power and | antenna gai | n, and co | onsiderin | g a 1.0mW | /cm^2 uncon | trolled | | | | | |
| exposure lii | nit. The F | riis formula | used was: | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | C - (D * | G)/(4* π | ÷ -2\ | | | | | | | | | | |
| Where | S = (P " | G) / (4"). | "r) | | | | | | | | | | |
| WHETE | P = | 194 54 | mW (Maximum peak output power) | | | | | | | | | | |
| | G = | | | | | | | dBi | | | | | |
| | r= | 20.0 | | | | 1 | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| For: FX-DS540-MPCI6 | | | | | | S = | 0.06134 | mW/cm ² | | | | | |
| | | | | | | | | | | | | | |
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