

RF Exposure / SAR Statement									
No. : 26FE0180-HO									
		Applicant	:	CONTEC CO., LTD.					
		Type of Equipment	:	Wireless LAN MiniPCI Card					
		Model No.	:	FX-DS540-MPCI6					
		FCC ID	:	PQRDS540-MPCI6					
CONTEC CO., LTD. declares that Model : Wireless LAN MiniPCI Card									
complies with FCC radiation exposure requirement specified in the FCC Rules 2.1093(for portable)/2.1091 (for mobile).									
The “FX-DS540-MPCI6“ has 25.59 mW of conducted Peak Output power and 51.05 mW of EIRP.									
This kind of equipment is below 60/frequency[GHz] mW(TCB Exclusion List)									
so that SAR testing is excluded. The Following calculation is the reference data for 20cm distance.									
RF Exposure Calculations:									
The following information provides the minimum separation distance for the highest gain antenna provided with the “FX-DS540-MPCI6“ as calculated									
from FCC OET Bulletin 65 Appendix A, Table (B) Limits for General Population / Uncontrolled Exposure. This calculation is based on the highest EIRP possible from the system,									
considering maximum power and antenna gain, and considering a 1.0mW/cm^2 uncontrolled exposure limit. The Friis formula used was:									
$S = (P * G) / (4 * \pi * r^2)$									
Where									
	P =	25.59	mW (Maximum peak output power)						
	G =	2.00	Numerical Antenna gain; equal to				3.00	dBi	
	r =	20.0	cm						
For: FX-DS540-MPCI6									
	S =	0.01016	mW/cm ²						

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		FCC ID	:	PQRDS540-MPCI6								
CONTEC CO., LTD. declares that Model : Wireless LAN MiniPCI Card												
complies with FCC radiation exposure requirement specified in the FCC Rules 2.1093(for portable)/2.1091 (for mobile).												
The “FX-DS540-MPCI6“ has 194.54 mW of conducted Peak Output power and 308.32 mW of EIRP.												
This kind of equipment is below 60/frequency[GHz] mW(TCB Exclusion List)												
so that SAR testing is excluded. The Following calculation is the reference data for 20cm distance.												
RF Exposure Calculations:												
The following information provides the minimum separation distance for the highest gain												
antenna provided with the “FX-DS540-MPCI6“ as calculated												
from FCC OET Bulletin 65 Appendix A, Table (B) Limits for General Population / Uncontrolled												
Exposure. This calculation is based on the highest EIRP possible from the system,												
considering maximum power and antenna gain, and considering a 1.0mW/cm^2 uncontrolled												
exposure limit. The Friis formula used was:												
$S = (P * G) / (4 * \pi * r^2)$												
Where												
	P =	194.54	mW (Maximum peak output power)									
	G =	1.58	Numerical Antenna gain; equal to	2.00	dB							
	r =	20.0	cm									
For: FX-DS540-MPCI6												
				S =	0.06134	mW/cm ²						