## FCC ID: NZLUAHL5K

**RF Exposure/ SAR Statement** 

## Gentex Corporation Model: UAHL5K

Where

The following information provides the minimum separation distance for the antenna as part of the design as calculated from the 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 an f/1500mW/cm2 (0.601mW/cm2) uncontrolled exposure limit. The power density formula used was:

## S = (P\*G)/ (4\*PI\*r<sup>2</sup>)

e								
	P=	-0.05	dBm	(Maximum DSC Output Power in dBm) (Numerical Antenna Gain)				
	G=	0	dBi					
	R=	20	cm					
	<b>D</b> +C	-0.05	dBm + 1dB (may tune-up toloranco)		n toloranco)	_	0.95	dBm
	PTG	-0.05	upili + Tup (i	nax tune-u	p toleralice)	-	0.95	ubiii
	Converting	0.95	dBm to mW	1.244515	mW			
	4*PI*20 <sup>2</sup>	=	5026.55					
The Power Density S		=	1.244515 <b>(P*G)</b>	mW/	5026.55 ( <b>4*Pl*r²</b> )	=	0.000248	mW/cm²

This is less than the above limit as well as the RSS-102 limit in section 2.5 Table 1 for a separation distance of 20mm of 30mW.