

## Appendix 6

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<b>Safety Human Exposure – Radio Frequency Exposure Compliance</b>		<b>Pass</b>
Test Specification : FCC KDB Publication 447498 D01 General RF Exposure Guidance v06		
<b>Requirement</b>	: At frequencies below 100 MHz, the following may be considered for SAR test exclusion, and as illustrated in Appendix C:28	
	a) The power threshold at the corresponding test separation distance at 100 MHz in step 2) is multiplied by $[1 + \log(100/f(\text{MHz}))]$ for test separation distances $> 50 \text{ mm}$ and $< 200 \text{ mm}$	
	b) The power threshold determined by the equation in a) for 50 mm and 100 MHz is multiplied by $\frac{1}{2}$ for test separation distances $\leq 50 \text{ mm}$	
	c) SAR measurement procedures are not established below 100 MHz. When SAR test exclusion cannot be applied, a KDB inquiry is required to determine SAR evaluation requirements for any test results to be acceptable.	
<b>Results</b>	: max. power of channel = $-18.26 \text{ dBm} = 0.015 \text{ mW}$ min. test separation distance $< 50\text{mm}$ frequency = $27.145\text{MHz}$	
	Exclusion threshold = $[(3 \times 50) / (\sqrt{0.1})] \times [1 + \log(100/27.145)] \times 1/2$ $= 371.48 \text{ mW}$	
	Since maximum peak output power of the transmitter is $0.015\text{mW} < 371.48 \text{ mW}$ , the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01 General RF Exposure Guidance v06.	