

Produkte
 Products

RF Exposure Statement: 50004841 002	Page 1 of 1																				
Client: CATEYE Co., Ltd. 2-8-25, Kuwazu, Higashi-Sumiyoshi-Ku, Osaka, 546-0041 Japan																					
Test item: HEART RATE SENSOR																					
Identification: HR-12																					
<p>FCC Requirement</p> <p>According to KDB 447498 D01 v05r02, SAR evaluation specified in FCC 2.1093 is not required for portable equipment if the transmitter power is below the following threshold for 100MHz to 6GHz:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 10px 0;"> <thead> <tr> <th style="width: 25%;">Highest Frequency of Transmitter Tunable Range F [GHz]</th> <th style="width: 25%;">Min. Test Separation Distance D [mm]</th> <th style="width: 25%;">1-g SAR Test Exclusion Threshold (3.0 · D / √F) + X [mW]</th> <th style="width: 25%;">10-g SAR Test Exclusion Threshold (7.5 · D / √F) + X [mW]</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">2.480</td> <td style="text-align: center;">5</td> <td style="text-align: center;">9.525</td> <td style="text-align: center;">23.813</td> </tr> </tbody> </table> <p>Note: X = 0 for D (in mm) ≤ 50mm: X = (D – 50mm) · (1000 · F / 150) for D (in mm) > 50mm and F (in GHz) ≤ 1.5GHz X = (D – 50mm) · 10 for D (in mm) > 50mm and F (in GHz) > 1.5GHz</p> <p>IC Requirement</p> <p>According to RSS-102 (Issue 4), clause 2.5.1, no SAR evaluation is required if the transmitter has a minimum separation distance to the user less than or equal to 20cm and has an output power (both conducted and e.i.r.p.) below the following threshold:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 10px 0;"> <thead> <tr> <th style="width: 33%;">Equipment Use</th> <th style="width: 33%;">Frequency Range</th> <th style="width: 33%;">SAR Evaluation Threshold [mW]</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">General Public Use</td> <td style="text-align: center;">2.2 – 3GHz</td> <td style="text-align: center;">20</td> </tr> </tbody> </table> <p>Measurement Result</p> <p>The maximum measured transmitter power is given in the following table:</p> <table border="1" style="width: 100%; border-collapse: collapse; margin: 10px 0;"> <thead> <tr> <th style="width: 33%;">Conducted Output Power [mW]</th> <th style="width: 33%;">Maximum Antenna Gain [dBi]</th> <th style="width: 33%;">EIRP Output Power [mW]</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0.927</td> <td style="text-align: center;">-9.16</td> <td style="text-align: center;">0.113</td> </tr> </tbody> </table> <p>Conclusion</p> <p>SAR evaluation is not required since the maximum transmitter output power (both conducted and e.i.r.p.) is below the FCC and IC thresholds.</p> <p>Refer to test report 50004841 001 for more details.</p>		Highest Frequency of Transmitter Tunable Range F [GHz]	Min. Test Separation Distance D [mm]	1-g SAR Test Exclusion Threshold (3.0 · D / √F) + X [mW]	10-g SAR Test Exclusion Threshold (7.5 · D / √F) + X [mW]	2.480	5	9.525	23.813	Equipment Use	Frequency Range	SAR Evaluation Threshold [mW]	General Public Use	2.2 – 3GHz	20	Conducted Output Power [mW]	Maximum Antenna Gain [dBi]	EIRP Output Power [mW]	0.927	-9.16	0.113
Highest Frequency of Transmitter Tunable Range F [GHz]	Min. Test Separation Distance D [mm]	1-g SAR Test Exclusion Threshold (3.0 · D / √F) + X [mW]	10-g SAR Test Exclusion Threshold (7.5 · D / √F) + X [mW]																		
2.480	5	9.525	23.813																		
Equipment Use	Frequency Range	SAR Evaluation Threshold [mW]																			
General Public Use	2.2 – 3GHz	20																			
Conducted Output Power [mW]	Maximum Antenna Gain [dBi]	EIRP Output Power [mW]																			
0.927	-9.16	0.113																			
<p>TÜV Rheinland Japan Ltd. – Global Technology Assessment Center 4-25-2 Kita-Yamata, Tsuzuki-ku, Yokohama 224-0021, Japan</p>																					