

RF Exposure Statement:	12307454 004	Page 1 of 1																																																			
Client:	INTELLIGENT SYSTEMS Co., Ltd. 60 Kamitakamatsu-cho, Fukuine, Higashiyama-ku, Kyoto City, Kyoto Pre. 605-0983 Japan																																																				
Test item:	Debugger and Capture																																																				
Identification:	ISXD and ISXC																																																				
According to FCC 1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b) LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE). <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Frequency Range (MHz)</th> <th>Electric Field Strength (V/m)</th> <th>Magnetic Field Strength (A/m)</th> <th>Power Density (mW/cm²)</th> <th>Average Time (Minutes)</th> </tr> </thead> <tbody> <tr> <td colspan="5">(A) Limits for Occupational/ Control Exposures</td> </tr> <tr> <td>300-1500</td> <td>-/-</td> <td>-/-</td> <td>F/300</td> <td>6</td> </tr> <tr> <td>1500-100,000</td> <td>-/-</td> <td>-/-</td> <td>5</td> <td>6</td> </tr> <tr> <td colspan="5">(B) Limits for General Population/ Uncontrolled Exposures</td> </tr> <tr> <td>300-1500</td> <td>-/-</td> <td>-/-</td> <td>F/1500</td> <td>6</td> </tr> <tr> <td>1500-100,000</td> <td>-/-</td> <td>-/-</td> <td>1</td> <td>30</td> </tr> </tbody> </table> Friis Formula Friis transmission formula: $S = (P_{out} \cdot G) / (4 \cdot \pi \cdot d^2)$ Where S = power density in mW/cm² P_{out} = output power to antenna in mWv (see table below) G = gain of antenna in linear scale (1.58 linear scale, 2dBi) Pi = 3.1416 d = distance between observation point and radiating structure in cm (=20cm) <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Radio</th> <th>Frequency (MHz)</th> <th>Output Power to Antenna (mW)</th> <th>Power Density at R = 20 cm (mW/cm²)</th> </tr> </thead> <tbody> <tr> <td>802.11</td> <td>2412</td> <td>1.3</td> <td>0.0004</td> </tr> <tr> <td>802.11 b</td> <td>2412</td> <td>2.7</td> <td>0.0008</td> </tr> <tr> <td>802.11 g</td> <td>2412</td> <td>10.5</td> <td>0.0033</td> </tr> </tbody> </table> The calculated maximum power density has been found to be compliant with the limit set at 1 mW/cm². Please refer to test report 12307454 001 and 002 for more details.			Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Average Time (Minutes)	(A) Limits for Occupational/ Control Exposures					300-1500	-/-	-/-	F/300	6	1500-100,000	-/-	-/-	5	6	(B) Limits for General Population/ Uncontrolled Exposures					300-1500	-/-	-/-	F/1500	6	1500-100,000	-/-	-/-	1	30	Radio	Frequency (MHz)	Output Power to Antenna (mW)	Power Density at R = 20 cm (mW/cm ²)	802.11	2412	1.3	0.0004	802.11 b	2412	2.7	0.0008	802.11 g	2412	10.5	0.0033
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