

Test report cover sheet

KDB 447498 D01 General RF Exposure Guidance v06 (October 23, 2015)

1. Declaration of RF exposure compliance for exemption from routine evaluation limits

FCC ID:	SMRA2S02																		
Model number:	012300																		
Manufacturer:	Second Sight Medical Products, Inc.																		
4.3.1. Standalone SAR test exclusion considerations:	Per: Report, SAR Analysis, A2E16, DES - A2E16-1307 We performed an electromagnetic safety assessment for the retinal prosthesis system for the forward telemetry at 3.156 MHz (and other aspects of the system). The results show: Table 4.2.1: SAR induced in the human head (current worst-case scenario) (Page 5) <table border="1"> <thead> <tr> <th>Quantity</th> <th>Computed Values (3.156 MHz)</th> <th>Forward Telemetry Limit (3.156 MHz)</th> </tr> </thead> <tbody> <tr> <td>Maximum averaged 1 gram SAR</td> <td>0.006 W/kg</td> <td>1.6 W /kg (per IEEE 1528)</td> </tr> <tr> <td>Maximum averaged 10 gram SAR</td> <td>0.003 W/kg</td> <td>2 W/kg (per IEEE 1528)</td> </tr> </tbody> </table> Table 4.2.3: SAR induced in the human head ("tilted" external coil scenario) (Page 6) <table border="1"> <thead> <tr> <th>Quantity</th> <th>Computed Values (3.156 MHz)</th> <th>Forward Telemetry Limit (3.156 MHz)</th> </tr> </thead> <tbody> <tr> <td>Maximum averaged 1 gram SAR</td> <td>0.019 W/kg</td> <td>1.6 W /kg (per IEEE 1528)</td> </tr> <tr> <td>Maximum averaged 10 gram SAR</td> <td>0.008 W/kg</td> <td>2 W/kg (per IEEE 1528)</td> </tr> </tbody> </table> Our safety assessment shows that the SAR in the human head within the acceptable limit. Therefore, our device is in compliance for exemption from routine evaluation limits.	Quantity	Computed Values (3.156 MHz)	Forward Telemetry Limit (3.156 MHz)	Maximum averaged 1 gram SAR	0.006 W/kg	1.6 W /kg (per IEEE 1528)	Maximum averaged 10 gram SAR	0.003 W/kg	2 W/kg (per IEEE 1528)	Quantity	Computed Values (3.156 MHz)	Forward Telemetry Limit (3.156 MHz)	Maximum averaged 1 gram SAR	0.019 W/kg	1.6 W /kg (per IEEE 1528)	Maximum averaged 10 gram SAR	0.008 W/kg	2 W/kg (per IEEE 1528)
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2. Attestation

ATTESTATION: I attest that the testing was performed or supervised by me; that the test measurements were made in accordance with the above-mentioned departmental standard(s), and that the radio equipment identified in this application has been subject to all applicable test conditions specified in the departmental standards and all of the requirements of the standards have been met.

Signature:	
Date:	June 7, 2021
Name:	Arup Roy, Consultant