

SAR Exemption Evaluation Report

Product Name :	Bluetooth Headset			
Model No. :	POTE18			
FCC ID :	AL8-POTE18			

Applicant : Plantronics, Inc. Address : 345 Encinal Street, Santa Cruz, CA95060 USA

Date of Receipt :	Aug. 21st, 2017
Issued Date :	Sep. 11th, 2017
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Report Version :	V 1.0

The test results relate only to the samples tested.

The test results shown in the test report are traceable to the national/international standard through the calibration of the equipment and evaluated measurement uncertainty herein.

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Test Report Certification

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1. RF Exposure Evaluation

1.1. Limits

According to KDB 447498 D01 General RF Exposure Guidance v06

4.3.1 Standalone SAR test exclusion considerations

1) The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances \leq 50 mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] $\cdot [\sqrt{f(GHz)}] \le 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum test separation distance is \leq 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

2) At 100 MHz to 6 GHz and for test separation distances > 50 mm, the SAR test exclusion threshold is determined according to the following, and as illustrated in Appendix B:

a) [Power allowed at numeric threshold for 50 mm in step 1) + (test separation distance - 50 mm) \cdot (f(MHz)/150)] mW, at 100 MHz to 1500 MHz

b) [Power allowed at numeric threshold for 50 mm in step 1) + (test separation distance - 50 mm) \cdot 10] mW at > 1500 MHz and ≤ 6 GHz

3) The 1-g and 10-g SAR test exclusion thresholds for below 100 MHz at test separation distances \leq 50 mm are determined by:

a) The power threshold at the corresponding test separation distance at 100 MHz in step 2) is

multiplied by [1 + log(100/f(MHz))] for test separation distances > 50 mm and < 200 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 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. Note: when the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.



1.2. Test Procedure

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

The temperature and related humidity: $18^\circ\!\mathbb{C}\,and\,78\%\,$ RH.

1.3. Test Result of RF Exposure Evaluation

Product Name	:	GEYE REMOTE				
Test Item	:	RF Exposure Evaluation				
Test Site	:	AC-6				

• Antenna Gain:

Model No.	N/A						
Antenna manufacturer	N/A						
Antenna Delivery	\boxtimes	1*TX+1*RX	<	□ 2*TX+2*RX □ 3*TX+3*RX			
Antenna technology	\boxtimes	siso					
				Basic			
		МІМО		CDD			
				Beam-forming			
Antenna Type		External		Dipole			
		Internal		PIFA			
				РСВ			
				Ceramic Chip Antenna			
				Metal plate type F antenna			
			\boxtimes	Monopole Antenna			
Antenna Gain	3.52dBi						



Based on The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances \leq 50 mm and the formula below:

Estimated SAR= $\sqrt{f(GHz)} * \frac{(Max Power of channel, mW)}{Min. Separation Distance, mm}$

Band	Exposure	Pmax	Pmax	Distance	f(GHz)	calculation	Stand-alone Test	SAR Test
Dana	Condition	(dBm)	(mw)	(mm)	.(0.12)	result	exclusion	0, 1, 1, 1, 0, 0, 1
		(ubiii)	(()			threshold	
BT	head	7.47	5.585	5	2.441	1.745	3.0	No

Conclusion: 2402MHz-2480MHz SAR was not required.

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