

DENON AH-W150

Bluetooth Performance

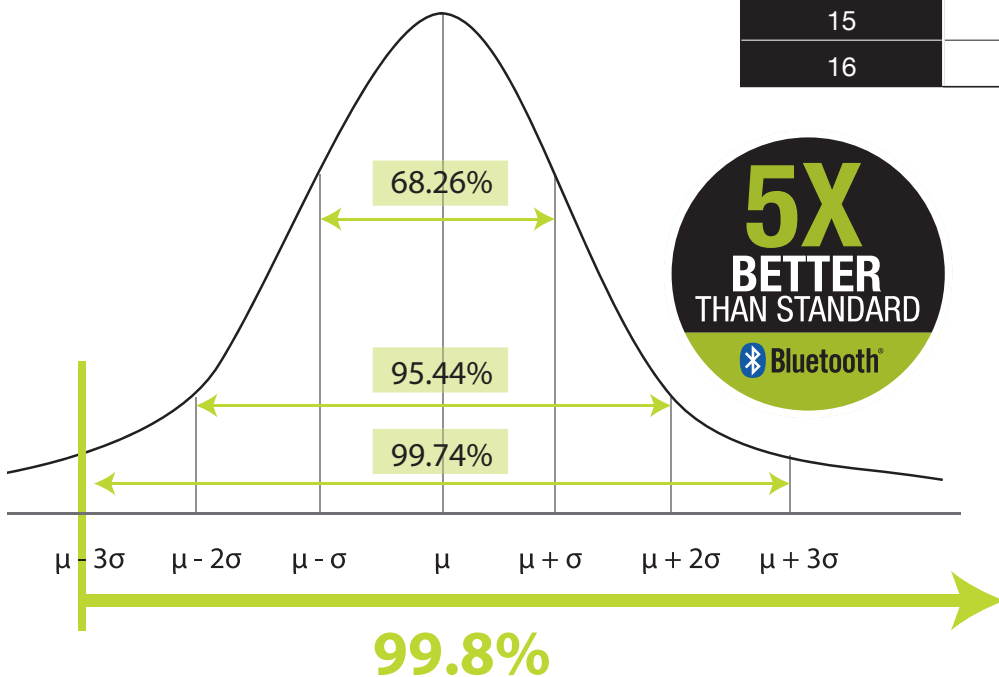
5X BETTER THAN STANDARD BLUETOOTH

The Industry Standard Range for a Class 2 Bluetooth Product is 10m or 33ft. Class 2 is the Bluetooth format most commonly found in Mobile Devices, as defined on Bluetooth.com*

The Engineers at Denon tested 16 units of the improved AH-W150 over 3 different stages of the product development cycle. With the improvements made to the Bluetooth performance provided a maximum reception range of 64.4m, an average range of 60.3m and a Standard Deviation across 99.8% of the sample units of 50.2m.

Denon AH-W150 Communication Range Data		
	Bluetooth Class 2 Spec	AW-150 (n=16)
Average	10.0m (standard)	60.3m
1σ	-	3.4m
3σ	-	10.1m
Ave-3σ	-	50.2m

No.	Measurement Range Data (Right & Left dir. Ave)	Sample Stage/ Data
1	60.2m	Stage 1 Aug-7, 2013
2	60.2m	
3	56.0m	
4	64.4m	
5	56.0m	
6	64.4m	Stage 2 Sep-24, 2013
7	64.4m	
8	64.4m	
9	56.0m	
10	61.6m	
11	56.0m	Stage 3 Dec-2, 2013
12	60.2m	
13	60.2m	
14	63.0m	
15	61.6m	
16	56.0m	



These results give the AH-W150 a Bluetooth performance that equates to five times that of the most commonly used Bluetooth specification providing a more stable connection for superior audio performance.

Note: All data was measured in open space avoiding other wireless signals and reflections from buildings. These results can be affected by humidity and by the type of smartphone used.

*Reference taken from www.bluetooth.com, official website of the Bluetooth Special Interest Group <http://www.bluetooth.com/Pages/Basics.aspx>