RF Exposure Evaluation Report

1 RF EXPOSURE

Product Name:	Bluetooth Speakers
Model No.:	A15, A23, A25, A30, A26, A8, A6, A16, A18, A19, A26, A28, A9, A36, A35, A37, A39, A65, A66, A68, A69, A80, A86, A88, A90, A96, A98, A99, GS560, GS550, GS520, GS500, GS510, GS812, GS700, GS530, GS570, GS580, GS590, GS811, GS813, GS815
FCC ID:	2AYFJ-A15

2. RF Exposure Evaluation

FCC KDB447498 D01 General RF Exposure Guidance v06: Mobile and Portable Device, RF Exposure, Equipment Authorization Procedures.

FCC CFR 47 part1 1.1310: Radiofrequency radiation exposure limits.

FCC CFR 47 part2 2.1091: Radiofrequency radiation exposure evaluation: mobile devices.

2.1 LIMITS

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

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] *[√f(GHz)] ≤ 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

The test exclusions are applicable only when the minimum test separation distance is ≤ 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 is applied to determine SAR test exclusion.

2.2 EUT RF EXPOSURE EVALUATION

Worst Mode:						
Channel (MHz)	Conducted Power (dBm)	Tune up Tolerance (dBm)	Maximum tune-up Power		Calculated value	Limit
			(dBm)	(mW)		
DH5-2402MHz	-2.80	-2±1	-1.0	0.794	0.246	3.0
2DH5-2402MHz	-2.08	-2±1	-1.0	0.794	0.246	3.0

Calculated value--0.246 < 3.0, So there is no require SAR test