

Declaration of RF Exposure Compliance for SAR exclusion

ATTESTATION:

I attest that the radiocommunication apparatus meets the exclusion from the routine evaluation limits in Section 4.3 of KDB 447498 D01 v05r02; that the Technical Brief was prepared and the information contained therein is correct; that the device evaluation was performed or supervised by me; that applicable measurement methods and evaluation methodologies have been followed; and that the device meets the SAR limits of FCC part 1.1310

Signature:



Date:

July 29, 2015

NAME (Please print or type):

Deokha Ryu

TITLE (Please print or type):

Chief Engineer

COMPANY (Please print or type):

Nemko Korea Co.Ltd.

Model Number (Please print or type):

SWM-300

FCC ID (Please print or type):

2ADXVSWM300

Signature:



Date:

July 29, 2015

NAME (Please print or type):

Jaeyeob Jung

TITLE (Please print or type):

Manager

COMPANY (Please print or type):

Healcerion Co.,Ltd

Model Number (Please print or type):

SWM-300

FCC ID (Please print or type):

2ADXVSWM300

Note: The submission of this document is only required if the device meets the exemption limits for the routine evaluation in Section 4.3 of KDB 447498 D01 v05r02

Technical Brief - Exclusion from Routine Evaluation Limits – SAR Evaluation

As detailed in Section 4.3 of KDB 447498 D01 v05r02, the information contained in this RF exposure technical brief is limited to information that demonstrates how the output power of the device was derived to justify the exclusion from the routine evaluation.

The output power and operating frequency of the device are:

Frequency	Power	
	Maximum conducted output power	Tune-up tolerance limit
2412 MHz	9.90 dBm	9.95 dBm
	9.77mW	9.89 mW
<input checked="" type="checkbox"/> The power was derived from measurement of output power at the antenna port and maximum tune-up tolerance limit specified by the operation description.		

The Minimum Separation distance: 5.2 mm

- * The minimum distance is 5.2mm for compliance with exclusion threshold using equation below.
- * This module will be integrated into only portable devices as pictures in Appendix A.
The minimum distance is 6.46mm between antenna and enclosure in host device. And it is fixed distance and fixed configuration.
- * In some cases, the antenna may be integrated closer to enclosure a little than as pictures below but not closer than 5.2mm.

SAR Test Exclusion Threshold : 2.95

- * SAR Test Exclusion Threshold is determined according to the following equation as specified KDB 447498 D01 4.3.1 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:
$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR,}$$

Appendix A

Host device



Right side view of host



Minimum distance between antenna and front side



Radio Frequency (RF) Radiation Exposure

Mimimum distance between antenna and right side

