RF Exposure compliance

RSS-102

1 - Annex C, Declaration of RF exposure compliance for exemption from routine evaluation limits

Company number:	30104						
Model number:	N2						
Manufacturer:	Shenzhen Good Energy Technology Co.,LTD						
	2.5.1 Exemption Limits for Routine Evaluation – SAR Evaluation SAR evaluation is required if the separation distance between the user and/or bystander and the antenna and/or radiating element of the device is less than or equal to 20 cm, except when the device operates at or below the applicable output power level (adjusted for tune-up tolerance) for the specified separation distance defined in Table 1. Table 1: SAR evaluation – Exemption limits for routine evaluation based on frequency and separation distance 4.5						
254648	Frequency Exemption Limits (mW)						
2.5.1 SAR evaluation:	(MHz)	At separation distance of	At separation distance of 10 mm	At separation distance of 15 mm	At separation distance of 20 mm	At separation distance of 25 mm	
	≤300	≤ 5 mm 71 mW	10 mm 101 mW	13 mm 132 mW	20 mm 162 mW	25 mm 193 mW	
	450	52 mW	70 mW	88 mW	102 mW	123 mW	
	835	17 mW	30 mW	42 mW	55 mW	67 mW	
	1900	7 mW	10 mW	18 mW	34 mW	60 mW	
	2450	4 mW	7 mW	15 mW	30 mW	52 mW	
	3500	2 mW	6 mW	16 mW	32 mW	55 mW	
	5800	1 mW	6 mW	15 mW	27 mW	41 mW	
2.5.2 RF exposure evaluation:	 2.5.2 Exemption Limits for Routine Evaluation – RF Exposure Evaluation RF exposure evaluation is required if the separation distance between the user and/or bystander and the device's radiating element is greater than 20 cm, except when the device operates as follows: below 20 MHz⁶ and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 1 W (adjusted for tune-up tolerance); at or above 20 MHz and below 48 MHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 22.48/f^{0.5} W (adjusted for tune-up tolerance), where f is in MHz; at or above 48 MHz and below 300 MHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 0.6 W (adjusted for tune-up tolerance); at or above 300 MHz and below 6 GHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 1.31 x 10⁻² f^{0.6834} W (adjusted for tune-up tolerance), where f is in MHz; at or above 6 GHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 5 W (adjusted for tune-up tolerance). 						
E.i.r.p. calculation:	Worse case is as below: 3.34 dBm+2.63dBi(anten 3.34 dBm+2.63dBi =5.97 Tune Up power: 5 ± 1 d Max Tune Up power: 6	dBm Bm		!Mw			

Per RSS-102, when the minimum test separation distance is <20 cm, a distance of 5 mm is applied to determine SAR test exclusion. The test exclusion threshold is 3.98mW < 4mW, SAR testing is not required.

2 – Attestation

ATTESTATION: I attest that the radio communication apparatus meets the exemption from the routine evaluation limits in Section 2.5 of this standard; 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 and/or RF field strength limits of RSS-102.

Signature:	Mang Chun
Date:	Aug. 23, 2023
Name:	Meng Chun
Company:	Shenzhen Good Energy Technology Co.,LTD