



Cover Letter

Date: June 27, 2024

Dear Examiner,

This letter attests that the FCC guidance in KDB 996369 D02 Question 1 and KDB 996369 D04 for integrating modular transmitters into host equipment was followed for the preparation of this application under FCC ID: **HFS-C406**

The equipment has included transmitter modules that the FCC ID: **ZMOSC126NA** which is granted on **February 3, 2023**.

1. The certified modular transmitter is integrated in this host without any change on hardware design and software parameter settings.
2. MPE information and EMC evaluation are provided to verify that original test results represent compliance for the integration of transmitter modules under new conditions of this application.
3. Antenna types and peak gains used in the host are different from the ones used in the original test report.
Regarding to unlicensed bands, new antenna with gains lower than the original are used in the host and applicable maximum ERP/EIRP rules are observed to ensure compliance.

Band (MHz)	Technology	Original Antenna		New Antenna	
		Type	Peak Gain (dBi)	Type	Peak Gain (dBi)
2402-2480	Bluetooth BR/EDR/LE	Dipole	1.83	Loop	2.00
2412-2462	Wi-Fi 802.11 b/g/n	Dipole	1.83	Loop	2.00
5150-5250	Wi-Fi 802.11 a/n/ac	Dipole	4.29	Loop	2.28
5250-5350	Wi-Fi 802.11 a/n/ac	Dipole	4.43	Loop	2.28
5470-5725	Wi-Fi 802.11 a/n/ac	Dipole	3.68	Loop	1.13
5725-5850	Wi-Fi 802.11 a/n/ac	Dipole	1.47	Loop	-0.91
1850-1910	LTE Band 2	Dipole	4	COUPLING	1.88
1710-1755	LTE Band 4	Dipole	3	COUPLING	1.06
824-849	LTE Band 5	Dipole	3	COUPLING	-1.26
699-716	LTE Band 12	Dipole	3	COUPLING	-1.58
777-787	LTE Band 13	Dipole	3	COUPLING	-1.45
1710-1780	LTE Band 66	Dipole	3	COUPLING	1.06

4. Disabling LTE B7, B17, B25, B26, B41, B71 via software.

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5. The original test report exhibitions have been submitted to represent test result under the new conditions.

Original FCC ID	Test report number	Description
ZMOSC126NA	BL-SZ22B0531-601 BL-SZ22B0531-602 BL-SZ22B0531-603 BL-SZ22B0531-604 BL-SZ22B0531-605 BL-SZ22B0531-501	No hardware design changes are made on the module, and the software has not been changed to increase the RF output power of the module. Pursuant to KDB 996369 D02, the original modular report are submitted to represent the compliance of Part15.247, Part15.407 and Part 2/22/24/27/90 conducted/ radiated testing items of this device. Worst radiated cases found in module level testing are performed on the host level to ensure the compliance is kept. The module in the new host will shut down Band 7, 17, 25, 26, 41, 71.

Sincerely yours,

Name / Title: Jim Chang/ RF Manager

On behalf of: SGS Taiwan Ltd.

Tel: +886 2 2299 3279

E-mail: jim.chang@sgs.com

Address: No. 134, Wu Kung Rd., New Taipei Industrial Park

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