Federal Communications Commission
Office of Engineering and Technology
Laboratory Division
445 12TH ST SW
Washington DC 20554
United Stated

Reference data declaration letter regarding application for FCC ID: XCO-DYN and IC ID: 7756A-DYN

Dear Sir/Madam,

We hereby declare that the reference data for the new application for FCC ID: XCO-DYN and IC ID: 7756A-DYN are documented in the test report no. SHEM1509003083.

Spot check measurements for FCC ID: XCO-DYN and IC ID: 7756A-DYN can be found in test report no. SZEM1712012610.

We declare that the test report for RXM is also valid and representative for Xeo 20 Master and Xeo 30 Master because 22-03-2018

1.1Electrical principle difference

Comparing Xeo 20 Master and RXM, they have different cabinets and mechanical design.

They use the same wireless modules, and one is HSDWAM83 module, the other one is

CSR8670. They have different PCB layout, but the components on all PCB boards are the

same except for the below ones on PSU boards:

RXM	Xeo20 Master
Safety Y Capacitor CY602 2.2nF	Safety Y Capacitor CY602 1nF
	Add Safety Y Capacitor CY601, CY603, CY604 1nF
Safety X2 Capacitor CX604 MKP62,330nF	Safety X2 Capacitor CX604 MPX,680nF
Safety X2 Capacitor CX603 MPX,100nF	Safety X2 Capacitor CX603 MPX,470nF
Common Mode Choke L607 T12.7*7.9*6-700uH (TIW0.5)	Common Mode Choke L607 HJ-7.0mH*2,T16×12×8C
	Add Common Mode Choke L609 T12.7*7.9*6-700uH(TIW0.5)

Comparing Xeo 30 Master and RXM, they have different cabinets and mechanical design. They use the same wireless modules, and one is HSDWAM83 module, the other one is CSR8670. They have different PCB layout, but the components on all PCB boards are the same except for the Mainboards and PSU boards:

- Add U802 amplifier and related components on Xeo 30 Master's mainboard
- Redesigned the PSU boards for Xeo 30 Master

1.2 Test data compared

	RXM	Xeo20 Master	Xeo 30 Master
Max Conducted Peak Output Power(dBm)	1.36	3.794	3.923
Max Radiated spurious Emissions(dBuV/m)	52.05	52.54	51.78

1.3 cross references

Test Item/Report No	**RXM**	Xeo20 Master/ Xeo30 Master
Antenna Requirement	SHEM1509003083	SHEM1509003083
AC Power Line Conducted Emission	SHEM1509003083	SHEM1509003083
20dB Occupied Bandwidth	SHEM1509003083	SHEM1509003083
Conducted Peak Output Power	SHEM1509003083	**SZEM1712012610**
Carrier Frequencies Separation	SHEM1509003083	SHEM1509003083
Hopping Channel Number	SHEM1509003083	SHEM1509003083
Dwell Time	SHEM1509003083	SHEM1509003083
Conducted Spurious Emissions and Band-edge	SHEM1509003083	SHEM1509003083
Radiated Spurious Emissions and Band-edge	SHEM1509003083	**SZEM1712012610**
99% Occupied Bandwidth	SHEM1509003083	SHEM1509003083

1.4,The following table lists the relationship between our products :

FCC ID	IC ID	Product name	
XCO-Xeo2	7756A- XEO2	RXM	
XCO_DYN	7756A - DYN	Xeo 20 Master	Xeo 30 Master

If you have any questions regarding this application, please free to contact me.

Yours Sincerely,

Name: Wyn B.Wang

On Behalf of Company: Hansong(Nanjing) Technology Ltd.