MOTOROLA *SOLUTIONS*

Regulatory Engineering

Date: 2013/10/2

Federal Communications Commission

Office of Engineering and Technology

Equipment Authorization Division

7345 Oakland Mills Road

Columbia MD 21046

Subject: Class II Permissive Change FCC ID: UZ7KHAP800 / Grant Date: 06/29/2013 (2.4GHz + 5GHz Band 1/4) and 02/20/2013 (5GHz Band 2/3), Attestations and Requests

To the Commission:

Pursuant to CFR 2.1043, Motorola Solutions, Inc. hereby requests a Class II Permissive Change. The model name remains MODEL: KHAP-800.

Modification:

1.It only supports 11a 1TX function for Ant.19 and Ant. 31.

2.Increasing 13 antennas (Ant. 19 ~ Ant. 31), the simple antenna information as following table:

(Higher Gain antennas are Highlighted)

Ant.	Model Name	Antenna Type	Operation band	Antenna Gain
1	ML-2499-FHPA9-01R	Dipole	2.4GHz	10.5
2	ML-2499-SD3-01R	Patch	2.4GHz	4
3	ML-2499-BPNA3-01R	Panel	2.4GHz	15
4	ML-2499-BYGA2-01R	Yagi	2.4GHz	14.5
5	KAP-FACADE-ANT	Facade	2.4GHz / 5GHz	3.5 / 4
6	ML-5299-FHPA10-01R	Dipole	5GHz	10.5
7	ML-5299-PTA1-01R	Patch	5GHz	3.8
8	ML-2452-PNA7-01R	Panel	2.4GHz / 5GHz	8 / 12
9	ML-5299-BYGA15-012	Yagi	5GHz	10.5
10	ML-2499-5PNL-72-N	Panel	2.4GHz	6.5
11	ML-2499-APA2-01	Dipole	2.4GHz	3.2
12	ML-2499-HPA3-01R	Dipole	2.4GHz	4
13	ML-5299-APA1-01R	Dipole	5GHz	4
14	ML-5299-HPA1-01R	Dipole	5GHz	6

Ant.	Model Name	Antenna Type	Operation band	Antenna Gain
15	ML-2452-APA2-01	Dipole	2.4GHz / 5GHz	3 / 5
16	ML-2452-PNA5-01R	Panel	2.4GHz / 5GHz	5.5 / 6
17	ML-2452-HPA5-036	Dipole	2.4GHz / 5GHz	3 / 5
18	ML-2452-APA2GA1-01	Dipole	2.4GHz / 5GHz	2.7 / 2
19	RAI-INT-ANT	PIFA	2.4GHz / 5GHz	4.3 / 4.7
20	ML-2499-HPA4-01	Dipole	2.4GHz	4.5
21	ML-2499-HPA8-01	Dipole	2.4GHz	8
22	ML-5299-HPA5-01	Dipole	5GHz	5.6
23	ML-5299-HPA10-01	Dipole	5GHz	10.5
24	ML-2452-HPAG5A8-01	Dipole	2.4GHz / 5GHz	5 / 8
25	ML-2499-HPA3-02R	Dipole	2.4GHz	5
26	ML-2452-HPAG4A6-01	Dipole	2.4GHz / 5GHz	4 / 7.3
27	ML-2452-HPA6X6-036	Dipole	2.4GHz / 5GHz	4 / 6
28	ML-2452-HPA6M6-072	Dipole	2.4GHz / 5GHz	2.8 / 6.5
29	ML-2452-PNL9M3-036	Panel	2.4GHz / 5GHz	11 / 10.7
30	ML-2452-PTA6M6-036	Panel	2.4GHz / 5GHz	5 / 6
31	KAPI-INT-ANT	PIFA	2.4GHz / 5GHz	4.4 / 4.7

The model name shall be same as before. There is no change in hardware or in existing RF relevant portion.

Motorola Solutions, Inc., hereby I certify that submitted documents properly describe the device or system for which equipment certification is sought. I also certify that each unit manufactured, imported or marketed, as defined in FCC's regulations will have affixed to it a label identical to that submitted for approval with this application.

In Addition, Motorola Solutions, Inc., also acknowledges that all responsibility for complying with the terms and conditions for Certification, still resides with Motorola Solutions, Inc., One Motorola Plaza Holtsville, NY 11742 USA.

Motorola Solutions, Inc., hereby have entrusted the person Leo Huang of Sporton International Inc. to be a proxy regarding application for Type Certification. We are therefore responsible for the contents of the application (Model No.: KHAP-800).

In Addition, Motorola Solutions, Inc., attest that this device does support "TPC" Transmit Power Control in the 5 GHz UNII bands.

In Addition, Motorola Solutions, Inc., the software and associated drivers to support TPC are built into the device firmware, with no mechanism to disable or turn off TPC.

In Addition, Motorola Solutions, Inc., declare that the channel plans (5250 MHz to 5350 MHz and 5470 MHz to 5725 MHz) of EUT (Model Name: KHAP-800) will make use of 60 % of the spectrum available in the applicable sub-band(s). Each of the Usable Channels will be used with approximately equal probability. RLAN band 5600 MHz to 5650 MHz omit these channels from the list of Usable Channels at initial power up or at initial installation.

In Addition, Motorola Solutions, Inc., attest that this device does not support access, by any party (End User or Professional Installer), to disable DFS. There are no controls or selections in the product firmware that can turn off/disable DFS.

In Addition, Motorola Solutions, Inc., will ensure that our MODEL: KHAP-800 under FCC ID: UZ7KHAP800 submitted by means of this application, will be continuously produced in compliance with FCC regulations. In relation to this, we accept all consequences of market surveillance performed by FCC or acting Certification Body as specified in the FCC's regulations.

In Addition, Motorola Solutions, Inc., declares that the EUT (Model Name: KHAP-800) will be installed into AP (MOTOROLA / AP-8132, AP-8122, AP-8163, AP-8232, AP-8222 and AP-8263). AP (MOTOROLA / AP-8132, AP-8122, AP-8163) are identical in main board, UNII Module and DFS algorithm, so that AP (MOTOROLA / AP-8132) was selected as representative model for the DFS test. AP (MOTOROLA / AP-8232, AP-8222, AP-8263) are identical in main board, UNII Module and DFS algorithm, so that AP (MOTOROLA / AP-8232) was selected as representative model for the DFS test.

If you have any questions regarding the authorization, please don't hesitate to contact me.

Respectfully,

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