

Date: October, 1st 2012

Federal Communications Commission
 Authorization and Evaluation Division
 7435 Oakland Mills Road
 Columbia, MD 21046

Attn: OET Dept.

Ref: FCC Class II Permissive change for FCC ID: LYHMPCIE1V1
 (Original Grant date: 06/13/2012)
 Applicant: Siemens AG

Dear Examiner,

This is to request a Class II permissive change for FCC ID: LYHMPCIE1V1 originally granted on 06/13/2012.

The major change filed under this application is:

Change #1: Additional antennas and antenna types are added; see additional antenna specifications and Test Results: T35222-06-08HS.

List of original antennas:

Number	Characteristic	Certification name	Plug	Frequency	Gain (dBi)
1	Directed	ANT792-8DN	N	2,4	14
2	Omni	ANT792-6MN	N	2,4	6
3	Helix	ANT792-4DN	N	2,4	4
4	Rcoax	Rcoax 2G	N	2,4	0
5	Directed	ANT793-8DK	N	5	23
6	Directed	ANT793-8DJ	N	5	18
7	Wide angle	ANT793-6DG	N	5	9
8	Wide angle	ANT793-6DT	3*QMA	5	9
9	Omni	ANT793-4MN	N	5	6
10	Omni	ANT793-6MN	N	5	5
11	Rcoax	Rcoax 5G	N	5	0
12	Wide angle	ANT795-6DC	N	2,4, 5	9, 9
13	Omni	ANT795-6MN	N	2,4, 5	6, 8
14	Omni	ANT795-6MT	3*QMA	2,4, 5	5, 7
15	Omni	ANT795-4MC	N	2,4, 5	3, 5
16	Omni	ANT795-4MD	N	2,4, 5	3, 5
17	Omni	ANT795-4MA	R-SMA	2,4, 5	3, 5
18	Omni	A5E002280427-06	integrated	2,4, 5	3, 5

List of additional antennas:

Number	Characteristic	Certification name	Plug	Frequency	Gain (dBi)
1	Directed	PRO-AO-5D16060	2*N reverse	5	16
2	Directed	PRO-AO-DX13025	6*N reverse	2,4, 5	13
3	Omni	PRO-AO-5S10360	N reverse	5	10
4	Directed	PRO-AO-2S18018	N reverse	2,4	18
5	Omni	PRO-AO-2S10360	N reverse	2,4	10

Repeated tests:

Due to the different antenna characteristic the spurious emissions radiated in restricted band 4500 – 5150 MHz has been repeated with the antenna with 13 dBi and 10 dBi. This was the most critical frequency range and there it could be an influence when an antenna has another characteristic. All other frequency ranges are satisfied by conducted measurements and therefore no critical distance to the limit.

Not repeated tests:

The new antennas have a gain that is equal or smaller than the original antennas. Therefore all conducted measurements as the power, the power density and the conducted spurious emission measurement stays the same and has been not repeated.

Test data report NII band:

The test report for the NII-Band 5150-5250 MHz is based onto the conducted measurements permitted in KDB 789033 D01. Due to the new antennas no change in the conducted performance is assumed. The antenna with more than 14 dBi has a cable requirement which reduce the effective gain to a smaller than the highest group gain used in the test report.

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

Sincerely yours,



Name: Thomas Ring

Titel: Manager: GMA/ Certification

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