

Date: 2011/6/10

Reference: TCB Review Comments for (A11-0513e-6171 Q87-AE2500-Cisco 11abgn DFSc w SAR) 110223C21

Dear Examiner:

We, WNC, reply TCB review comments to AE2500, an a/b/b/n WiFi dongle as below.

A) Verify that this device meets the frequency requirements of Section 15.202

Ans: In DFS band, the AE2500 cannot initiate, or be configured to initiate, any transmission for any reason on non-US frequencies, or on frequencies not authorized for use. This includes probes, beacons, and ad hoc mode transmissions. The device will perform only passive scan in the background and waiting for a Master device to initiate the networking.

B) For client devices that have software configuration control to operate in different modes (active scanning in some and passive scanning in others) in different bands (devices with multiple equipment classes or those that operate on non-DFS frequencies) or modular devices which configure the modes of operations through software, the application must provide software and operations description on how the software and / or hardware is implemented to ensure that proper operations modes cannot be modified by end user or an installer.

Ans:

1) Regarding hardware protection, AE2500 adopts OTP (one time programming) architecture to storage RF parameters, country code, product information and others. User can not modify any setting parameter to OTP.

2) For software protection, because the operating driver has been approved by WHQL(Windows Hardware Quality Lab) Test. There exists a checking identifier with associated software package. So even the intended user modify the software the device will not work as active mode of DFS channels at all.

C) Below is the channel/frequency plan for the device

CH	1	2	3	4	5	6	7	8	9	10	11	
Frequency(MHz)	2412	2417	2422	2427	2432	2437	2442	2447	2452	2457	2462	
Scan Type	Active	Active	Active	Active	Active	Active	Active	Active	Active	Active	Active	
CH	36	38	40	44	46	48	52	54	56	60	62	64
Frequency(MHz)	5180	5190	5200	5220	5230	5240	5260	5270	5280	5300	5310	5320
Scan Type	Active	Active	Active	Active	Active	Active	Passive	Passive	Passive	Passive	Passive	Passive
CH	100	102	104	108	110	112	116	118	120	124	126	128
Frequency(MHz)	5500	5510	5520	5540	5550	5560	5580	5590	5600	5620	5630	5640
Scan Type	Passive	Passive	Passive	Passive	Passive	Passive	Passive	Passive	Passive	Passive	Passive	Passive
CH	132	134	136	140	149	151	153	157	159	161	165	
Frequency(MHz)	5660	5670	5680	5700	5745	5755	5765	5785	5795	5805	5825	
Scan Type	Passive	Passive	Passive	Passive	Active	Active	Active	Active	Active	Active	Active	

If you have any questions regarding to this attestation letter, please feel contact me.

Sincerely

Kevin Chang/WNC-PC1

*Kevin Chang 6/13/2011*