RF EXPOSURE REPORT

REPORT NO.: SA120716C32

MODEL NO.: W522U

FCC ID: V7TW522U

RECEIVED: Jul. 16, 2012

TESTED: Jul. 20 ~ Aug. 03, 2012

ISSUED: Aug. 07, 2012

APPLICANT: Shenzhen Tenda Technology Co.Ltd

ADDRESS: Tenda Industrial Park, No. 34-1, Shilong Rd., Shiyan Town, Bao'an District, Shenzhen, P.R.China 518108

ISSUED BY: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

LAB ADDRESS: No. 47, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan, R.O.C.

TEST LOCATION: No. 19, Hwa Ya 2nd Rd, Wen Hwa Tsuen, Kwei Shan Hsiang, Taoyuan Hsien 333, Taiwan, R.O.C.

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
SA120716C32	Original release	Aug. 07, 2012

1. CERTIFICATION

PRODUCT:	300Mbps Wireless N Dual Band USB Adapter
MODEL:	W522U
BRAND:	Tenda
APPLICANT:	Shenzhen Tenda Technology Co.Ltd
TESTED:	Jul. 20 ~ Aug. 03, 2012
TEST SAMPLE:	ENGINEERING SAMPLE
STANDARDS:	**FCC Part 2 (Section 2.1093)**
	FCC OET Bulletin 65, Supplement C (01-01)
	IEEE C95.1

The above equipment (Model: W522U) has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch,** and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

PREPARED BY : Polly Chien / Specialist , **DATE** : Aug. 07, 2012

APPROVED BY : Gary Chang / Technical Manager , **DATE** : Aug. 07, 2012

2. REDUCED CONDITION FOR SAR

When output power is ≤ 60/f(GHz) mW, SAR evaluation is not required.

3. CONCLUSION

Frequency band	Mode	Channel	Frequency (MHz)	AV conducted power (dBm)	AV conducted power (mW)	EIRP (mW)	SAR threshold (mW)
2412~2462	802.11b	CH01	2412	12.49	17.74	22.34	24.88
		CH06	2437	12.25	16.79	21.13	24.62
		CH11	2462	12.32	17.06	21.48	24.37
	802.11g	CH01	2412	12.49	17.74	22.34	24.88
		CH06	2437	12.26	16.83	21.18	24.62
		CH11	2462	12.48	17.70	22.28	24.37
	802.11n (20MHz)	CH01	2412	12.47	17.66	22.23	24.88
		CH06	2437	12.47	17.66	22.23	24.62
		CH11	2462	12.33	17.10	21.53	24.37
	802.11n (40MHz)	CH03	2422	12.49	17.74	22.34	24.77
		CH06	2437	12.45	17.58	22.13	24.62
		CH09	2452	12.48	17.70	22.28	24.47
5745~5825	802.11a	CH149	5745	8.72	7.45	9.38	10.44
		CH157	5785	8.31	6.78	8.53	10.37
		CH165	5825	8.76	7.52	9.46	10.30
	802.11n (20MHz)	CH149	5745	8.51	7.10	8.93	10.44
		CH157	5785	8.63	7.29	9.18	10.37
		CH165	5825	8.66	7.35	9.25	10.30
	802.11n (40MHz)	CH151	5755	8.81	7.60	9.57	10.43
		CH159	5795	8.47	7.03	8.85	10.35
5180~5240	802.11a	CH36	5180	8.47	7.03	8.85	11.58
		CH40	5200	8.24	6.67	8.39	11.54
		CH48	5240	8.41	6.93	8.73	11.45
	802.11n (20MHz)	CH36	5180	8.78	7.55	9.51	11.58
		CH40	5200	8.73	7.46	9.40	11.54
		CH48	5240	8.89	7.74	9.75	11.45
	802.11n (40MHz)	CH38	5210	8.53	7.13	8.97	11.52
		CH46	5230	8.56	7.18	9.04	11.47

NOTE: The antenna is Print PCB with 1dBi gain.

No SAR evaluation is required since output power of EUT is less than threshold of SAR.