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RE: FCC ID: BJM-TTABB12DA

Tune up procedure

All the parameters over the power levels, frequency ranges, and temperature compensation are done and set according to the following procedure at the factory as the default setting. There are no user-serviceable adjustments over the above parameters.

Manufacturer	Tatung Company
Brand-name	TATUNG / RM / Electrovara
Product Description	TABLET PC
Model / Type	TATUNG: TTAB-B12D RM: RTAB912-T01 Electrovara: SC 2000 & SC 2010
Rev.	I

Responsible person: Chung Chang
(Manufacturer) Chung Chang
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TATUNG CO.

EUT DESCRIPTION

Product	TABLET PC
Trade Name	TATUNG / RM / Electrovara
Model Name	TTAB-B12D (TATUNG) / RTAB912-T01 (RM) / SC 2000; SC 2010 (Electrovara)
FCC ID	BJM-TTABB12DA
Transmitter Module	Intel / WM3B2100A
Model Difference	All the above models are identical except the model designation
Power Rating	Input: Vac 100~240V, 50~60 Hz; 1.2A Output: Vdc 12V, 3.5A
Frequency Range	IEEE 802.11a: 5150 ~ 5350 MHz IEEE 802.11b: 2412 ~ 2472 MHz
Modulation Technique	IEEE 802.11b: DSSS (CCK; DQPSK; DBPSK) IEEE 802.11a: OFDM
Number of Channels	IEEE 802.11a: 8 CH IEEE 802.11b: 13 CH
Air Data Rate	IEEE 802.11b: 11Mbps (Max) / IEEE 802.11a: 54 Mbps (Max)
Antenna Type	2 PIFA Antennas Main: ANTENNIQUE CORPORATION (PN: 5773700051 (Grey)) AUX: ANTENNIQUE CORPORATION (PN: 5573700050 (Black))
Temperature Range	0 ~ +40

Note: for more details, refer to the User's manual of the EUT.

TECHNICAL SPECIFICATION (TRANSMITTER MODULE)

Transmitter Module Specification	
Module manufacturer / Model No.	Intel / WM3B2100A
Power supply	3.3V _{DC} (via Mini-PCI slot)
Frequency range	IEEE 802.11b: 2400-2483.5MHz / IEEE 802.11a: 5180-5320MHz
Type of modulation	IEEE 802.11b: DSSS IEEE 802.11a: OFDM
Number of channel	Depends on frequency range and National requirements
Operating temperature	+5°C - +55°C

CRTU-SOFTWARE PARAMETER SETTING

The wireless module, Intel Pro / Wireless LAN Mini PCI adapter / WM3B2100A, is controlled by the CRTU-software bundled with the module manufacturer. Which is dedicated to enable the engineer of the OEM / ODM manufacturer to tune and specify the operating condition such as operating mode (channel, power and mode of the operation etc...) by setting the firmware of the module itself through their host device, for the purpose on performing EMI testes, or enable the engineer to lock the operation parameter in the production line.

Firmware version: CRTU, Ver.: 1.2.0.3000						
802.11a mode					802.11b mode	
Freq	T _{DA}	Txfilter	TPC	DSP	Freq	Gain
5180	226	37	0	98	2412	9
5240	226	37	0	110	2437	9
5320	226	37	0	110	2462	10

Figure 1: Operating snapshot from the Tatung TTAB-B12D

