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TIMCO Engineering, Inc.:

SUBJECT: ALCATEL-LUCENT, INC. - FCC ID: AS5ONEBTS-18
REFERENCE: JOB 545UC8

The following responses address each question listed below.

1. The following required exhibits were not received- Parts List, Tune Up Information, and Internal Photos. Please submit. Alternatively, please provide justification letter for each of these exhibits. The FCC EAS system forces us to upload a document (cover letter is Ok) for each of these types of exhibit.

Response 1.

There is no separate Parts List available. Parts and components are identified in the schematic diagrams, which are held confidential: *Exhibit 08_Schematic_Diagram_AS5ONEBTS-18_CONFIDENTIAL.DOC*

There is no user tune-up information, procedures or features available. All tuning is performed by the manufacturer during, and as part of, the manufacturing process. Please refer to: *Exhibit 03_ReqInfo_AS5ONEBTS-18.DOC*, Page 3 of 5, Section 2.1033 (c)(9).

The internal photographs, showing the component placement, are included in *Exhibit 04_EquipPhoto_AS5ONEBTS-18.DOC*. This is compliant with *Sec. 2.1033 Application for certification, (7) A sufficient number of photographs to clearly show the exterior appearance, the construction, the component placement on the chassis, and the chassis assembly.*

2. Part 24.238(b) - Band-edges compliance: It appears that the plots in the test report were generated with resolution bandwidth of 30kHz, which is less than the allowed resolution bandwidth specified in this section: $RBW \geq 1\%$ of the emission bandwidth (i.e. measured 26dB below the transmitter power). Please provide evidence of compliance with 24.238(b).

Response 2.

Part 24.238 (b) specifies an RBW at 1% of the fundamental emission bandwidth, but a narrower RBW is permitted to improve measurement accuracy. In consideration of this Rule Part, an RBW of 30 kHz was utilized for the following reasons: (1) The ETSI TS 25.141 emission masks are based on a 30 kHz RBW. (2) The fundamental bandwidth for a UMTS carrier is 5 MHz. At 1%, the RBW would be 50 kHz. However, the spectrum analyzer instrumentation RBWs that are available, in proximity to 50 kHz, are 30 kHz and 100 kHz. Therefore, 30 kHz would be the value that is closest to the 50 kHz target.

3. Part 2.1033(c)(8): Please provide the dc voltages applied to and dc currents into the several elements of the final radio frequency amplifying device for normal operation over the power range. Alternatively, please point out location in exhibits already uploaded with this filing.

Response 3.

The EUT operates from an external DC source power of -48Vdc. However, the EUT incorporates a DC-to-DC power converter from -48Vdc to +31Vdc. The final RF amplifying device is the power amplifier. At maximum transmitted RF power at the antenna terminal, the power amplifier will operate from +31 Vdc input and 7.5 Adc input. Please refer to *Exhibit 03_ReqInfo_AS5ONEBTS-18.DOC*, Section 2.1033 (c)(8), Page 3 of 5.

Sincerely,

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