



Lucent Technologies CP
246 Industrial Way West
Eatontown, NJ 07724

Federal Communications Commission

MR Greg Czumak,

This letter is in reply to correspondence #8670 for the FCC ID OG99410 with Form 731 confirmation number EA94441.

We are submitting 4 files, including this letter to address the 6 issues are requested in the letter mentioned before.

According to the order of the items in the correspondence letter the file names submitted are the following:

Item 1:

- The measurements were taken using a RBW of 1 MHz and VBW of 3 MHz. The file name: "9410 power-connected #3" (sheet 1 of the workbook). These are connected measurements.

Item 2:

In order to ensure the compliance of this requirement we performed two type of measurements, both made with a RBW of 1 MHz and VBW of 3 MHz.

- Radiated Emissions for harmonics on file name: "9410 hst_base Harmonics #2".
- Connected Power of Harmonics on file name: "9410 power-connected #3" (sheets 2, 3, and 4 of workbook).

Item 3:

- 20 Db Spacing bandwidth , graphs files names are: "2bbw.doc" and "2hbw.doc"
 - The RBW we use for the 20 dB bandwidth was of 3KHz, that is 1% of the expected bandwidth.

Item 4:

- The 9410 telephone set has the identical RF occupied band for receiver and transmitter utilizing the frequency hopping technique. The input bandwidth of the receiver matches the hopping channel bandwidth of the transmitter and is equal 250kHz.

Item 5:

- There is no centralized coordination of hopping, either in frequency or in time, between any two or more phone sets (a set being a registered base-handset pair).
Each phone set coordinates its frequency hopping table independently from any other set that happens to be nearby. A set swaps (exchanges) a given frequency in its hop table if communications on that channel are received in error (CRC errors in two or more consecutive frames) as determined by that set and that set only.



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item 6:

- The SMA connectors pictured in the photographs of the connected measurement setup were used **only** to connect directly to the antenna connections on the PWB. The connector was soldered to the PWB and a cable was fitted to the PWB and HP 8595EM analyzer to take direct connected measurements. Cable loss was taken and added to the formula for correct measurement data.

On the production sets the antenna connections are soldered directly to the PWB and are not removable. The handset antenna is soldered directly to the board. The base antenna is soldered to the PWB with a short length of shielded cable. Neither of these are accessible to the end user. Therefore nothing is adjustable or changeable.

And the last file is this letter_ "9410 FCC Additional Information."

I hope the information we are sending covers the items necessary to comply with the requirements of FCC Part 15 for this product.

Best Regards
Cayetano Chavez
Compliance Test Team Leader