

RADIO FREQUENCY INVESTIGATION LTD.
Conformance Testing Department

Test Of: ~~Error! Reference source not found.~~
To: **FCC Part 24: 2001 and FCC Part 15: 2001**

Transmitter Conducted Measurements: Call Mode: (Occupied Bandwidth): Section 24.238

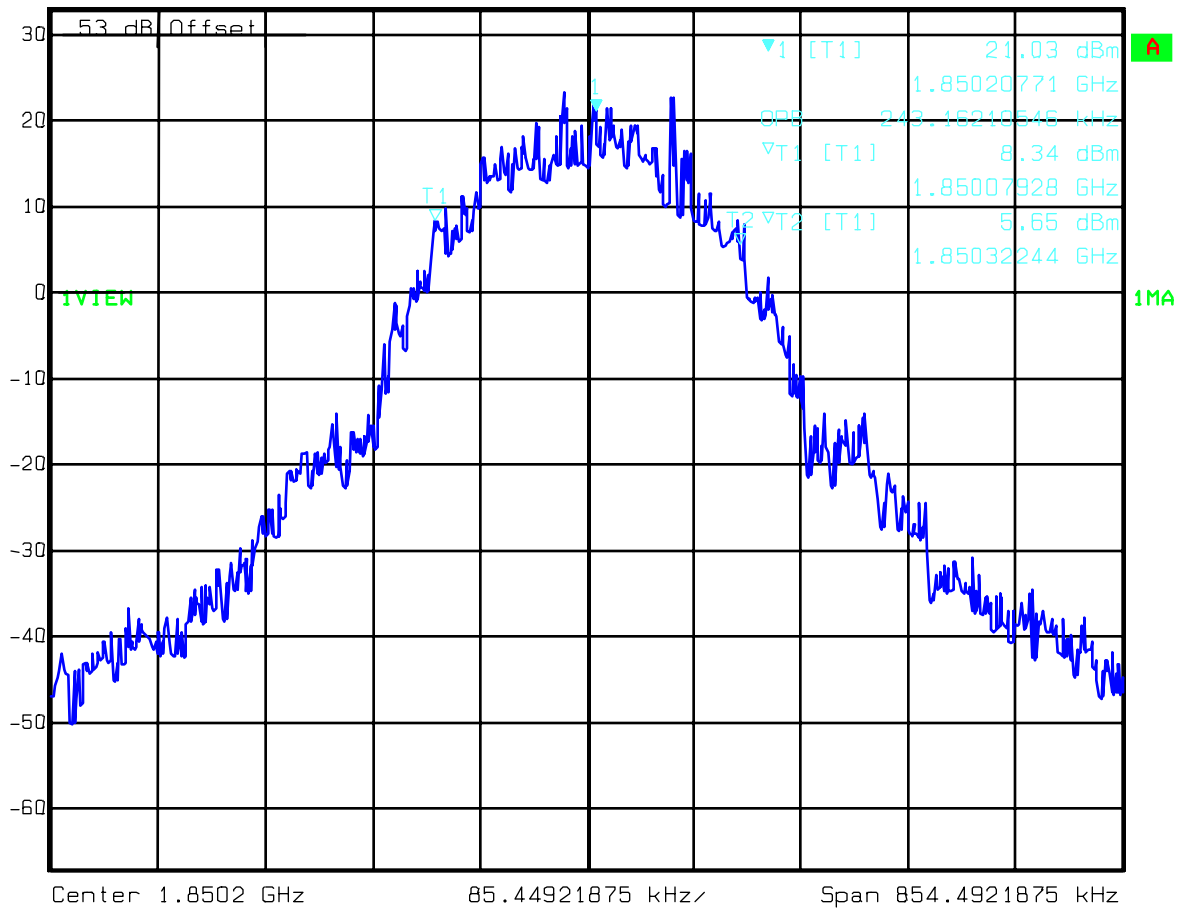
1. The EUT, HP GSM test and spectrum analyser were configured for conducted antenna port measurements.
2. A temporary antenna port was provided by the applicant to allow for conducted measurements.
3. The device was operating in its normal mode of operation.
4. Measurements were performed to determine the Occupied Bandwidth of the fundamental emission from the EUT at the bottom middle and top channels.
5. The Occupied Bandwidth was measured using the built in occupied bandwidth function of the Rohde and Schwarz FSEB spectrum analyser. It was set to measure the bandwidth where 99% of the signal power was contained. The analyser settings were set as per those outlined in the FSEB user manual for this measurement, i.e. RBW $\leq$ 1/20 of occupied bandwidth.

Results:

Channel	Frequency (MHz)	Resolution Bandwidth (kHz)	Video Bandwidth (kHz)	Occupied Bandwidth (kHz)	Plot
Bottom (512)	1850.2	3	10	243.162	1
Middle (660)	1879.8	3	10	243.152	2
Top (810)	1909.8	3	10	244.874	3



Marker 1 [T1] RBW 3 kHz RF Att 10 dB
Ref Lvl 21.03 dBm VBW 10 kHz
33 dBm 1.85020771 GHz SWT 240 ms Unit dBm



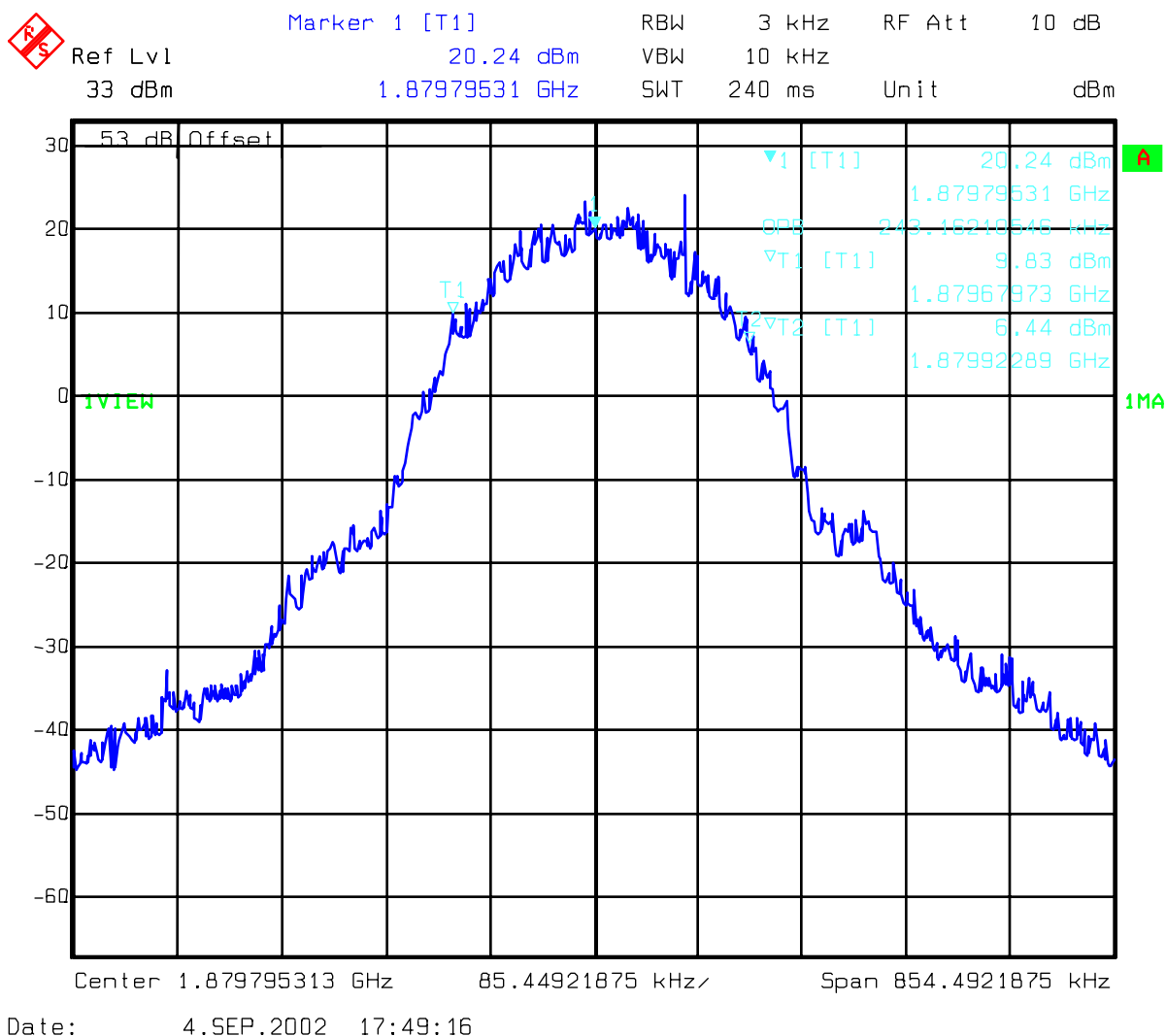
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Plot 1. Occupied Bandwidth. Bottom Channel.

NHL-4 GSM 1900 Mobile Phone Tested for NOKIA By RFI Ltd.

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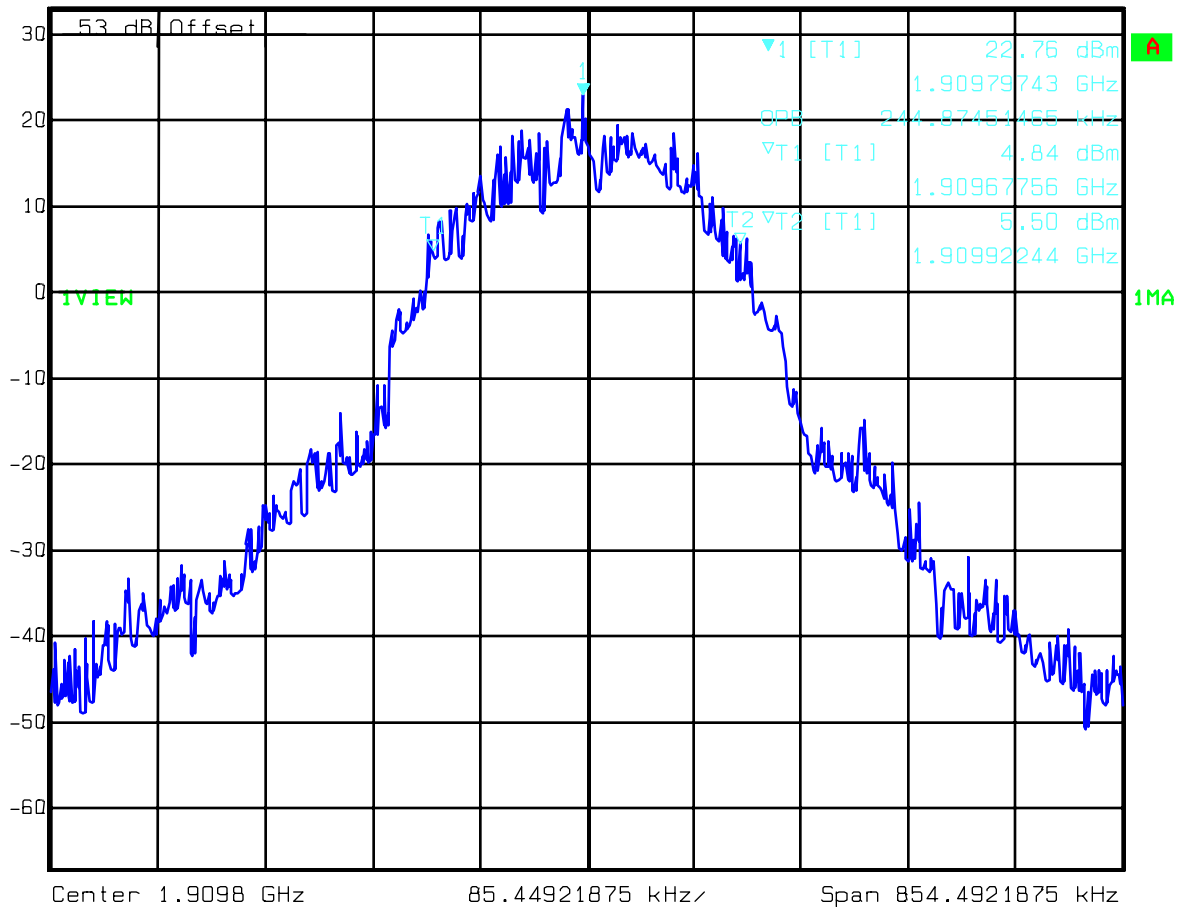


Plot 2. Occupied Bandwidth. Middle Channel.

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Marker 1 [T1] RBW 3 kHz RF Att 10 dB
Ref Lvl 22.76 dBm VBW 10 kHz
33 dBm 1.90979743 GHz SWT 240 ms Unit dBm



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Plot 3. Occupied Bandwidth. Top Channel.

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