Intertek Testing Services - Menlo Park

Symbol Technologies Inc., Spread Spectrum FCC ID: H9PNP3010 Date of Test: June 17 - 22, 1998 & July 8, 1998

4.4 Minimum Number of Hopping Frequencies, FCC Ref: 15.247(a)(1)(i&ii)

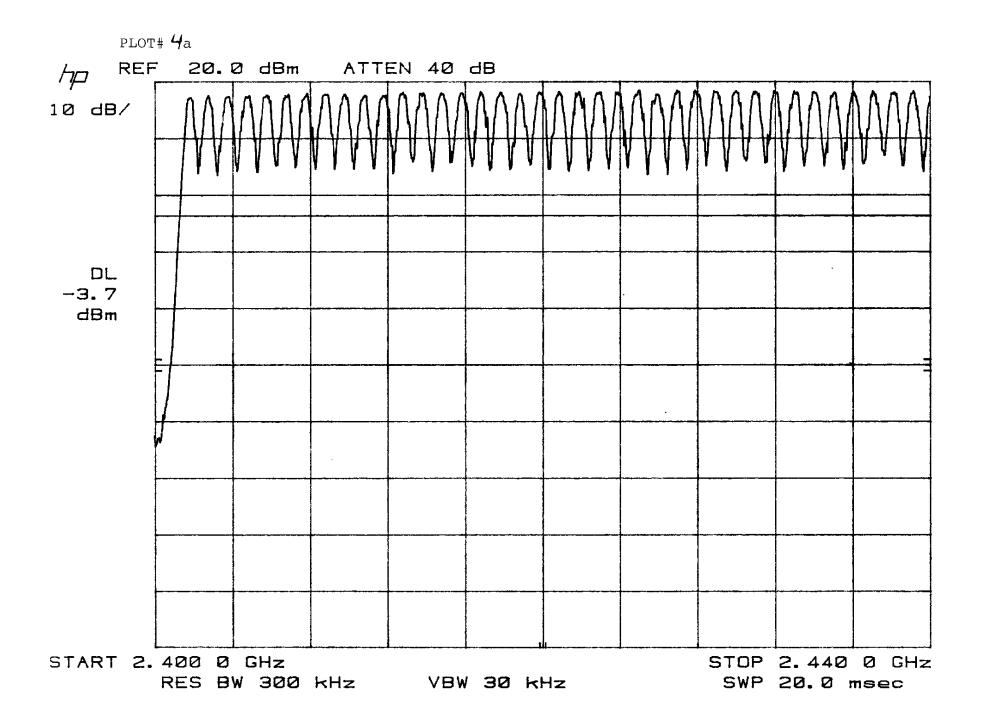
The RF passband of the EUT was divided into 2 approximately equal bands. With the analyzer set to MAX HOLD readings were taken for 2 - 3 minutes in each band. The channel peaks so recorded were added together, and the total number compared to the minimum number of channels required in the regulation.

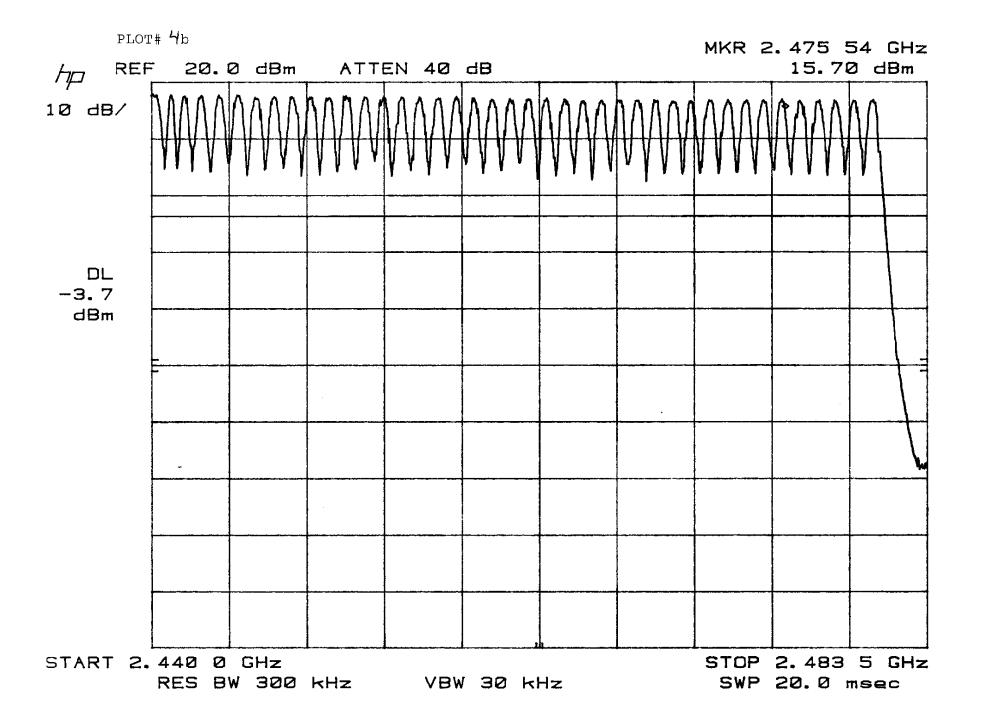
No. of hopping channels	79
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Minimum Requirements:

at least 50 channels for 902 - 928 MHz band; at least 75 channels for 2400 - 2483.5 and 5725 - 5850 MHz systems

Refer to spectrum analyzer charts 4a - 4b.





Intertek Testing Services - Menlo Park

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Date of Test: June 17 - 22, 1998 & July 8, 1998

4.5 Average Channel Occupancy Time, FCC Ref: 15.247(a)(1)(i&ii)

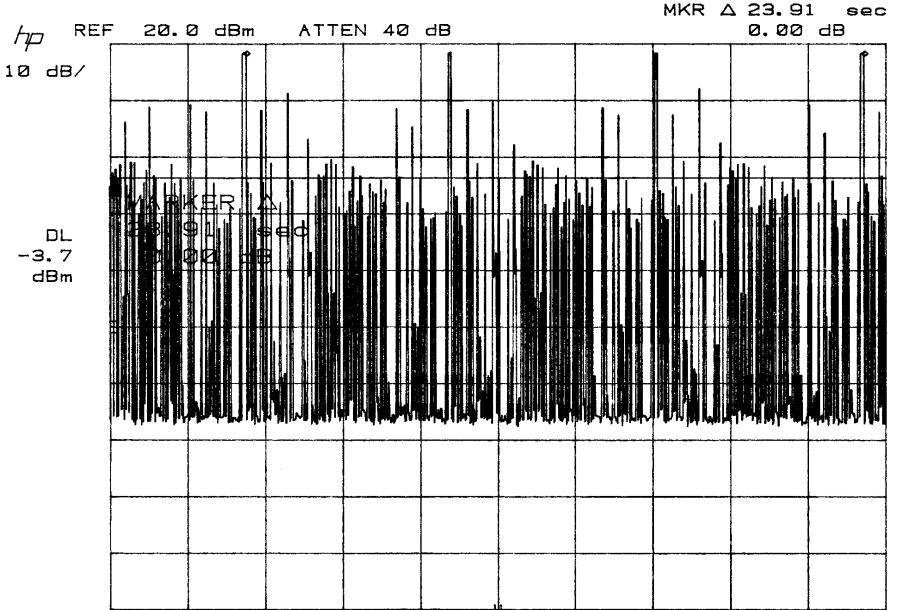
The spectrum analyzer center frequency was set to one of the known hopping channels. The SWEEP was set to 0.4 second, the SPAN was set to ZERO SPAN, and the TRIGGER was set to VIDEO. The time duration of the transmission so captured was measured with the MARKER DELTA function.

The SWEEP was then set to the time required by the regulation (20 seconds for 902-928 MHz devices, 30 seconds for all other bands). The analyzer was set to SINGLE SWEEP, the total ON time was added and compared against the limit (0.4 seconds).

Average 0.4 seconds maximum occupancy in 20 seconds, 902-928 MHz Average 0.4 seconds maximum occupancy in 30 seconds, 2400-2483.5/5725-5850 MHz

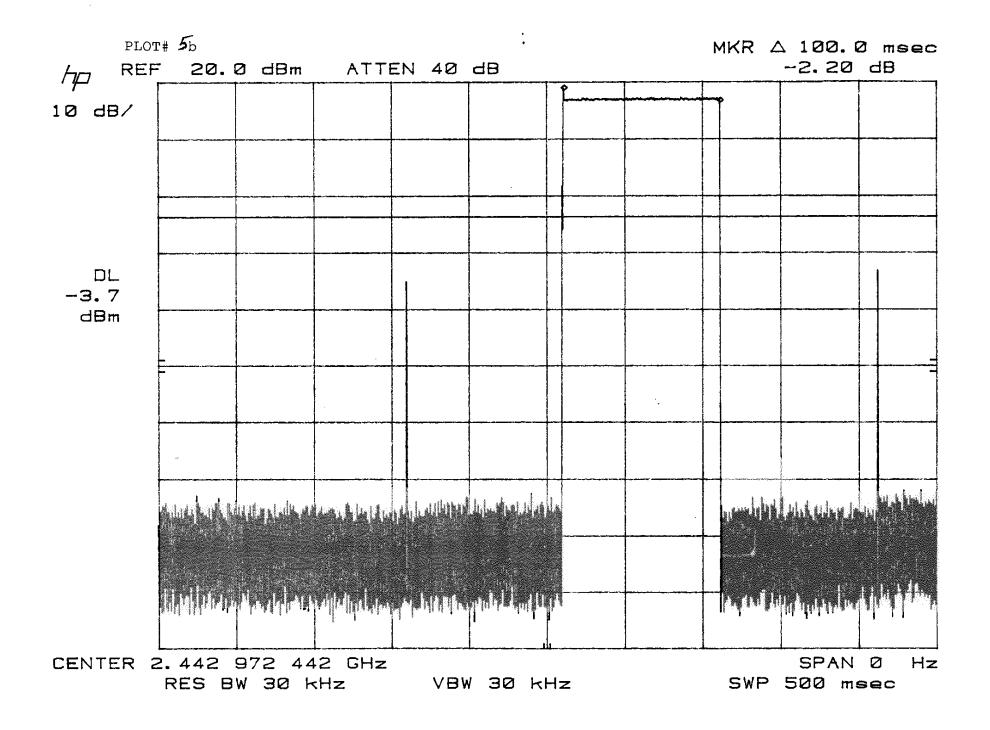
Refer to attached spectrum analyzer plots 5a - 5b for details.





CENTER 2.442 972 442 GHz RES BW 100 kHz VBW 100 kHz

SPAN Ø Ηz SWP 30.0 sec





Antenna PEP Display.vi G:\LABVIEW\Project\AMS3\Display\Antenna PEP Display.vi Last modified on 4/16/99 at 1:31 PM Printed on 4/16/99 at 1:31 PM

