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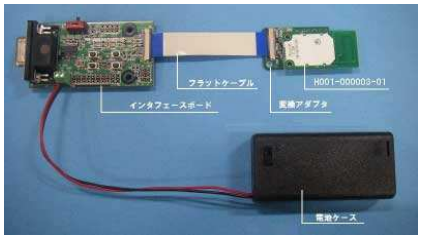
# Measurement of 920MHz band wireless module by the signal analyzer

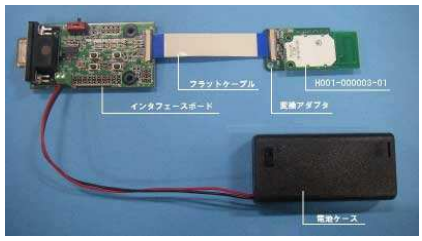
◇Measurement of 920MHz band wireless module can be easily performed by the signal analyzer.

## ＊Application＊

Connection block diagram




Wireless module A



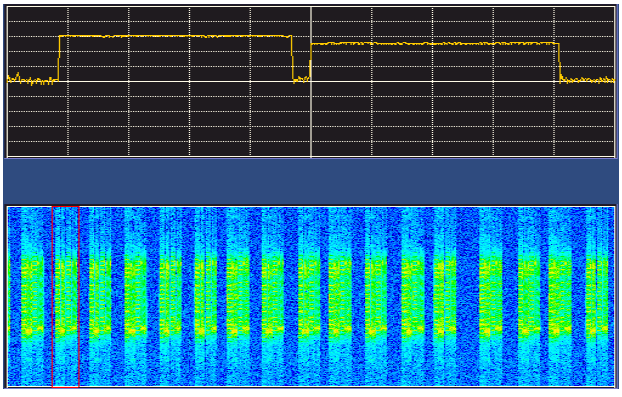

Wireless module B

Signal analyzer MSA538

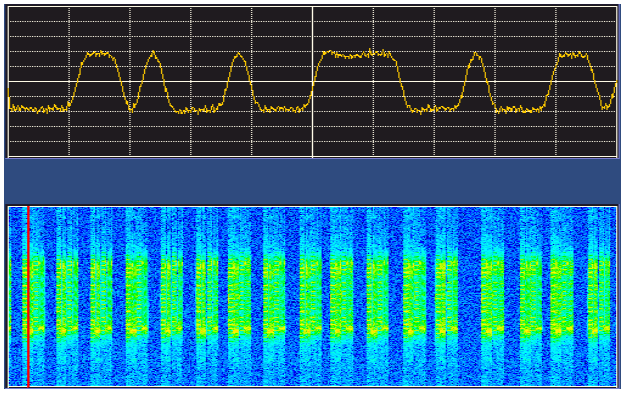
## ＊Solution＊

■ Attach the sleeve antenna M401 to MSA538, and the signal of the wireless module under communication can be measured.

The duration of transmission can be measured by the dual view analysis of "Power vs time" and "Spectrogram".
In a example below; Down link: 23.2 ms
Up link: 24.8 ms
Interval: 2.0 ms



The measurement of frequency variation of GFSK signal can be performed by switching the main screen to "Frequency vs time".
In a example below; Transition frequency: +/−40 kHz
Symbol rate: 9600 bps



## ＊System configuration＊

| | |
|---|---|
| Spectrum analyzer [MSA538] | ×1 |
| Lithium-ion battery [MB400] | ×1 |
| Sleeve antenna [M401] | ×1 |

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MICRONIX Corporation
2-21-2 Owada-machi, Hachioji-shi, Tokyo, Japan URL：https://micronix-jp.com/
TEL: +81-42-649-3889 FAX: +81-42-649-2113