

# The Measurement of Occupied Bandwidth

## 20dB BANDWIDTH MEASUREMENT

### 1. LIMITS OF 20dB BANDWIDTH MEASUREMENT

The minimum of 20dB Bandwidth Measurement is 0.5 MHz.

### 2. TEST INSTRUMENTS

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
R&S SPECTRUM ANALYZER	FSP40	100036	Nov. 27, 2004

**NOTE:**

- 1.The measurement uncertainty is less than +/- 2.6dB, which is calculated as per the NAMAS document NIS81.
- 2.The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

### 3. TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 100kHz RBW and 100kHz VBW. The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB.

### 4. DEVIATION FROM TEST STANDARD

No deviation

## 5. TEST SETUP



## 6. EUT OPERATING CONDITIONS

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

## 7. TEST RESULTS

<b>EUT</b>	Logitech Freedom 2.4 Cordless Joystick	<b>MODEL</b>	J-UH16
<b>INPUT POWER (SYSTEM)</b>	120Vac, 60 Hz	<b>ENVIRONMENTAL CONDITIONS</b>	27 deg. C, 59 %RH, 972 hPa
<b>TESTED BY</b>	Sky Liao		

<b>CHANNEL</b>	<b>CHANNEL FREQUENCY (MHz)</b>	<b>20 dB BANDWIDTH (MHz)</b>	<b>MINIMUM LIMIT (MHz)</b>	<b>PASS/FAIL</b>
0	2402	1.63	0.5	PASS
39	2441	1.62	0.5	PASS
78	2480	1.23	0.5	PASS





