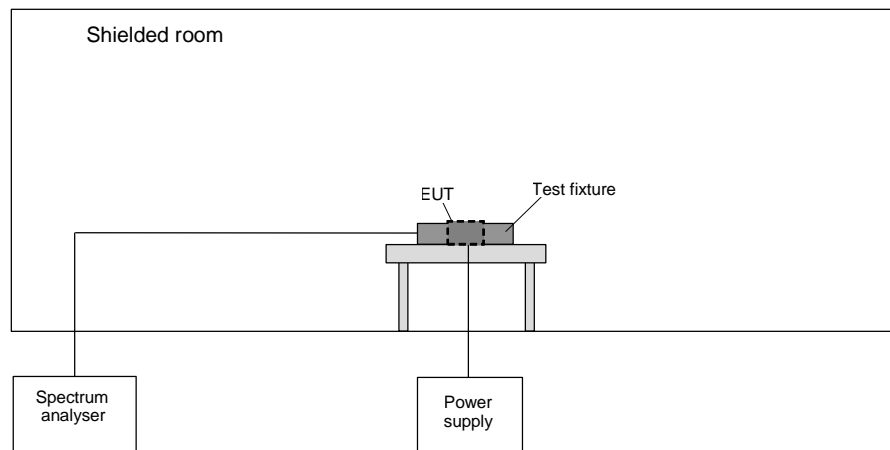


## 1 99 % BANDWIDTH

### 1.1 METHOD OF MEASUREMENT (99 % BANDWIDTH)



The following procedure will be used for the occupied bandwidth measurement:

The span of the analyzer shall be set to capture all products of the modulation process, including the emission skirts. The resolution bandwidth shall be set to as close to 1% of the selected span as is possible without being below 1%. The video bandwidth shall be set to 3 times the resolution bandwidth. Video averaging is not permitted. Where practical, a sampling detector shall be used since a peak or, peak hold, may produce a wider bandwidth than actual.

The trace data points are recovered and are directly summed in linear terms. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5% of the total is reached and that frequency recorded. The process is repeated for the highest frequency data points. This frequency is recorded.

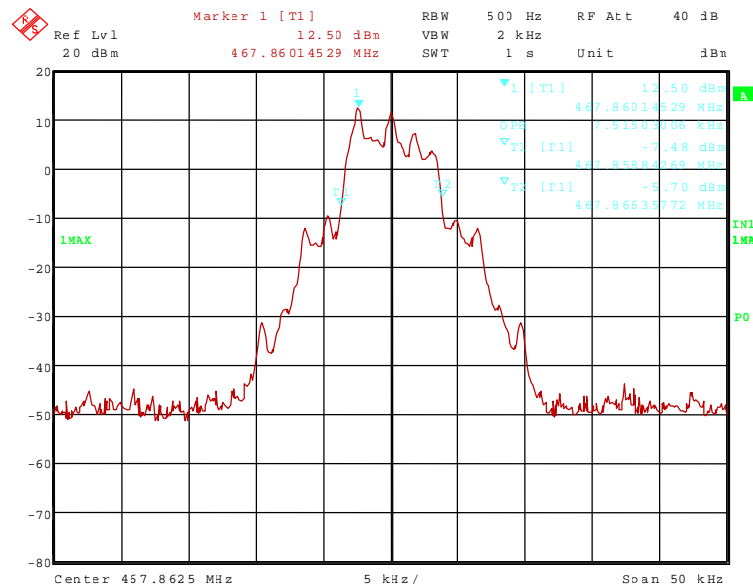
The span between the two recorded frequencies is the occupied bandwidth.

## 1.2 TEST RESULTS (99 % BANDWIDTH)

Ambient temperature:	20 °C	Relative humidity:	52 %
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Supply voltage:	During all measurements the EUT was supplied with 6.0 V DC via the internal battery.
Cable guide:	The cable of the EUT was fixed on the non-conducting table. For further information of the cable guide refer to the pictures in annex A of this test report.
Operation mode:	2, modulated with data telegrams (burst), because pre-tests have shown, that this mode occupies the largest bandwidth.

### 91735\_44.wmf: Occupied bandwidth at 467.8625 MHz:



$F_L$	$F_U$	BW ( $F_U - F_L$ )
467.858843 MHz	467.866358 MHz	7.515 kHz
Measurement uncertainty		$< 1 \cdot 10^{-7}$

TEST EQUIPMENT USED THE TEST:

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