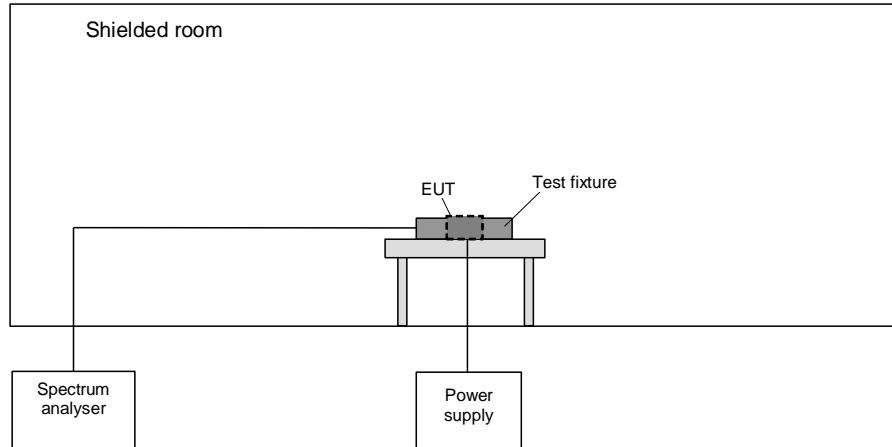


ANNEX D: MEASURING RESULTS OF 99%-BANDWIDTH

1 TEST RESULTS

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.

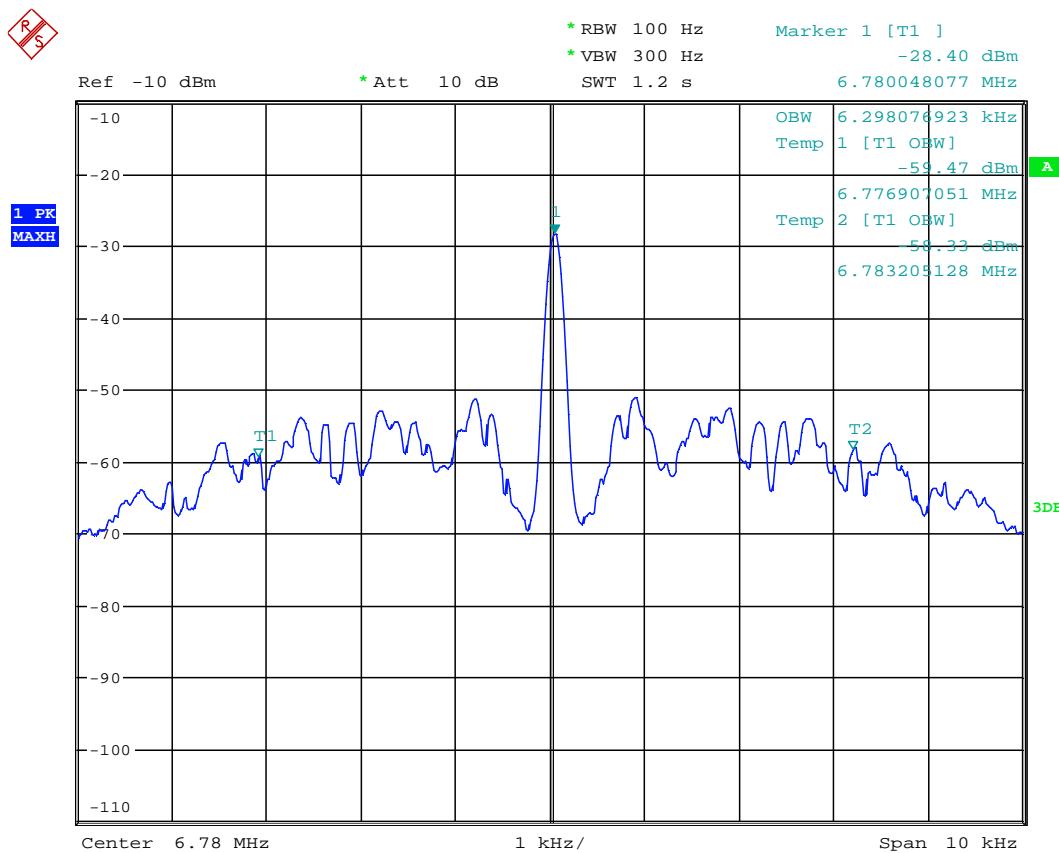
ANNEX D: MEASURING RESULTS OF 99%-BANDWIDTH

1.2 TEST RESULTS (99 % BANDWIDTH)

Ambient temperature:	20 °C	Relative humidity:	45 %
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Power supply: During this test the EUT was powered with 24 V DC.

Test record: The test was carried out in normal operation mode.



131297obw.wmf: Occupied bandwidth

F_L	F_U	BW ($F_U - F_L$)
6.77697 MHz	6.78321 MHz	6.298 kHz
Measurement uncertainty		$< 1 \cdot 10^{-7}$

TEST EQUIPMENT USED THE TEST:

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