

TRANSMITTER OCCUPIED BANDWIDTH AND SPECTRUM MASKS

SPECIFICATION: FCC 47 CFR 2.1049 (c)

RSS-119 5.5

GUIDE: TIA/EIA-603E 2.2.11 (Analog)
TIA-102.CAAA-C 2.2.5 (Digital)

MEASUREMENT PROCEDURE:

4. Refer Annex A for Equipment Set up.
5. For Analogue measurements: The EUT was modulated by a 2500 Hz tone at an input level 16 dB above a level that produced 50% deviation. The input level was established at the frequency of maximum response of the audio modulating circuit.
For Data measurements: The EUT was modulated with an internally generated pseudo random bit sequence at the appropriate Baud rates.
6. The Occupied Bandwidth was measured on the Spectrum Analyser, with bandwidth settings as noted on the recorded plots.

MEASUREMENT RESULTS:

See the plots on the following pages for 12.5 kHz channel spacing.

MEASUREMENT UNCERTAINTY 95% $\pm 0.65\text{dB}$

LIMIT CLAUSE: FCC 47 CFR 90.210

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EMISSION MASKS

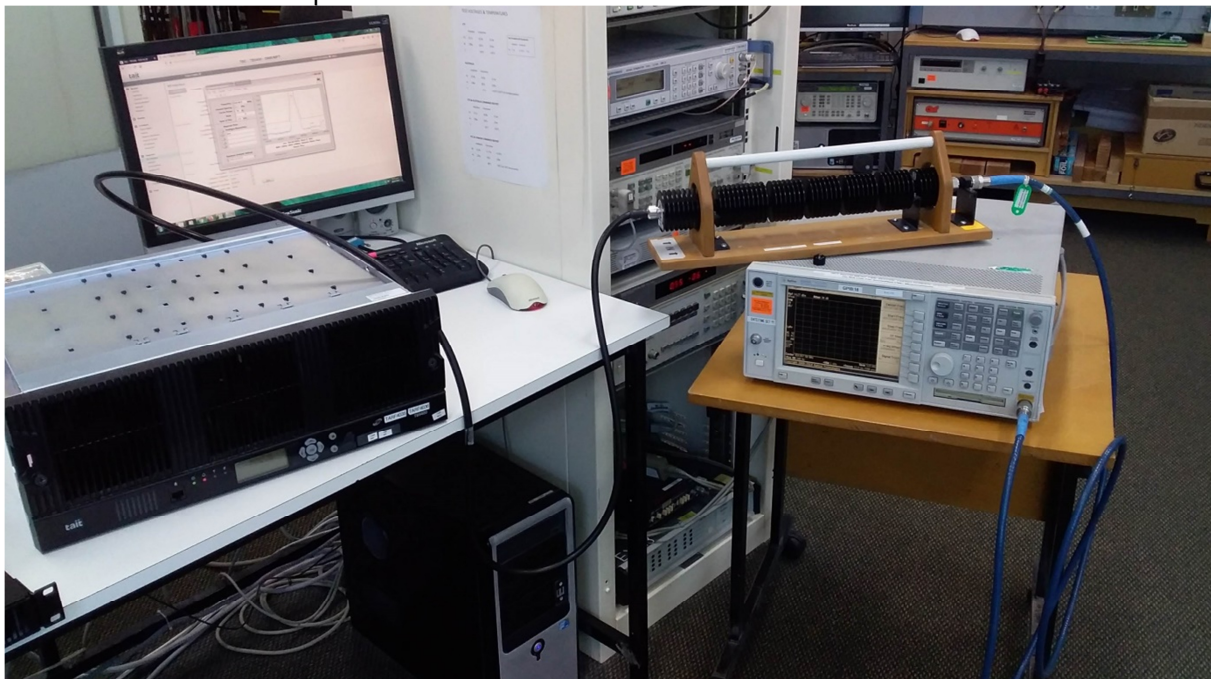
Emission Mask D 12.5 kHz Channel Spacing Analog, FFSK, Digital Voice/Data

DATA SPEED

FFSK 12.5 kHz Channel Spacing 1200 bps

Digital Voice/Data 12.5 kHz Channel Spacing 9600 bps

Photo: Measurement Setup



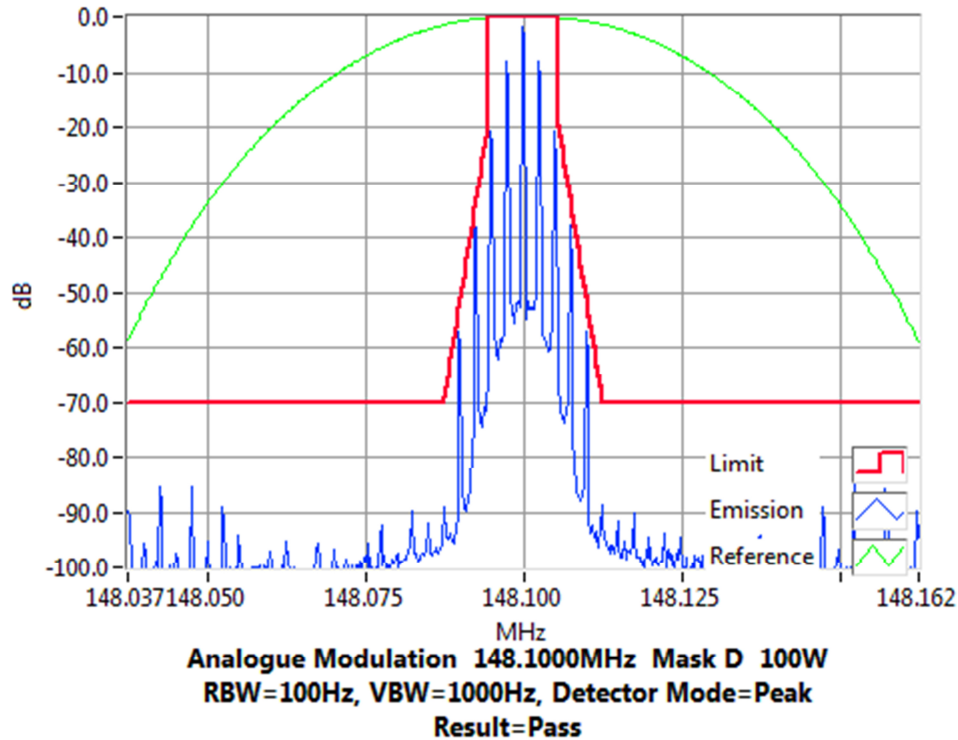
Occupied Bandwidth and Spectrum Masks

ANALOGUE VOICE

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Tx FREQUENCY: 148.1 MHz 100 W 12.5 kHz Channel Spacing



Tx FREQUENCY: 148.1 MHz 10 W 12.5 kHz Channel Spacing

