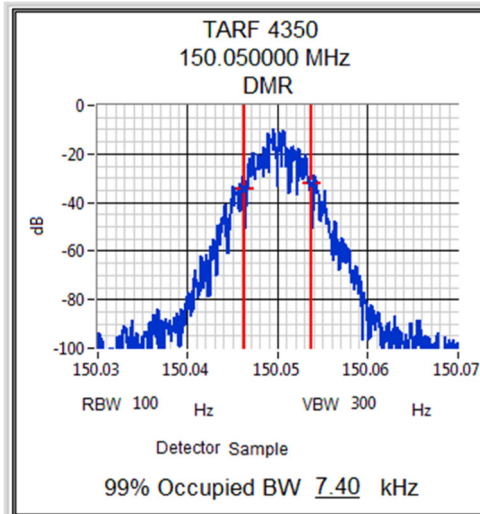
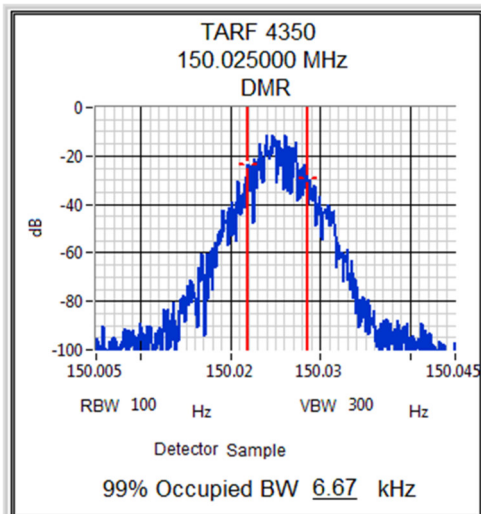
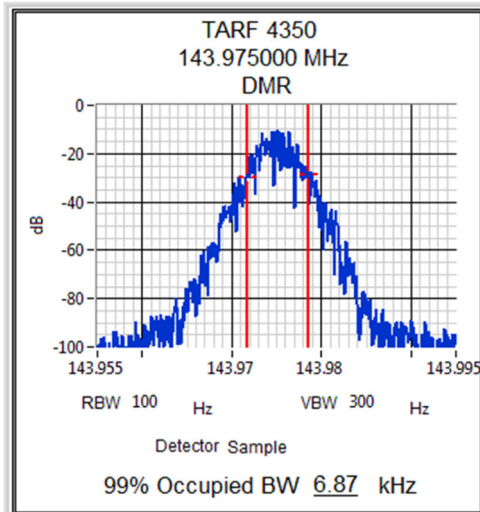
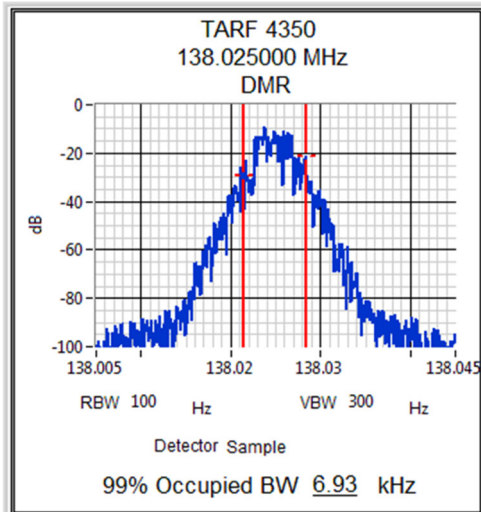


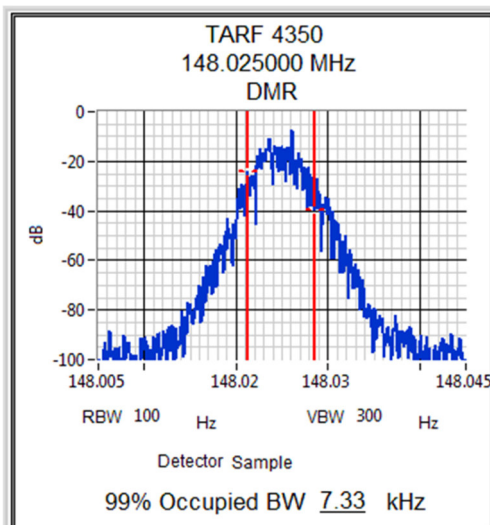
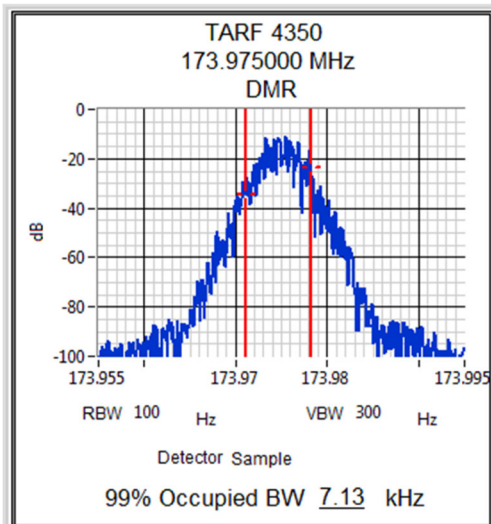
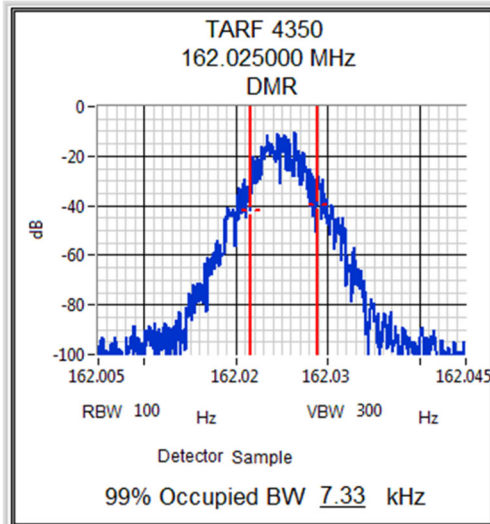
Transmitter Occupied (99%) Bandwidth

Channel 1-4 5 watts 12.5 kHz ch spacing DMR Modulation



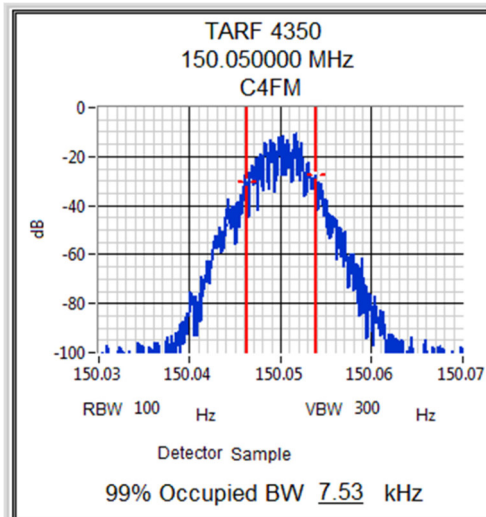
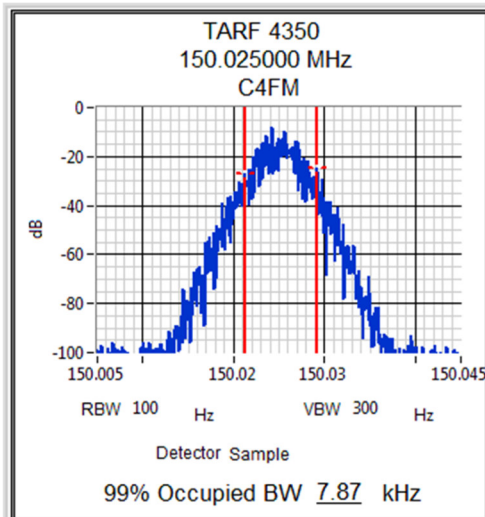
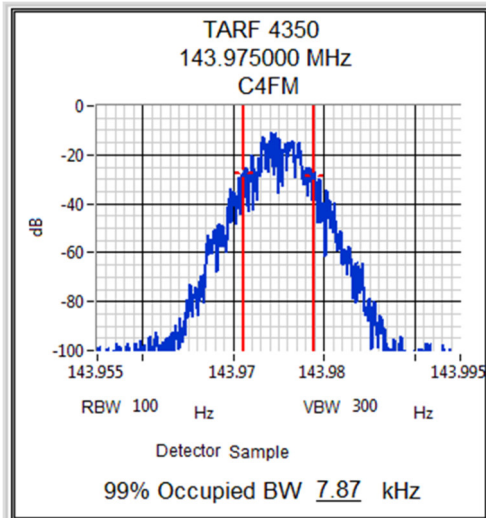
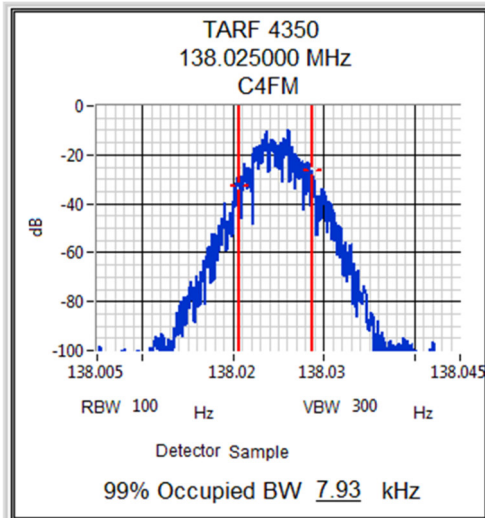
Transmitter Occupied (99%) Bandwidth

Channel 5-7 5 watts 12.5 kHz ch spacing DMR Modulation



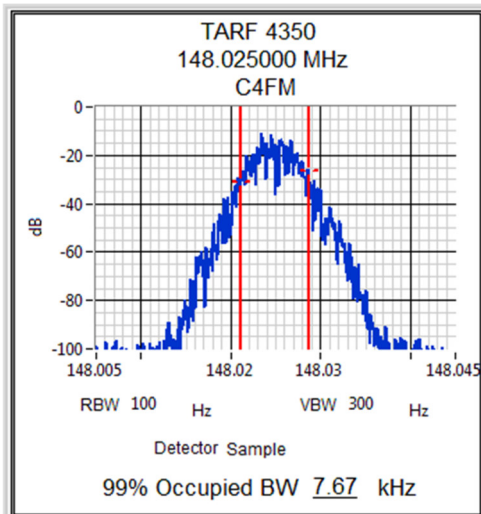
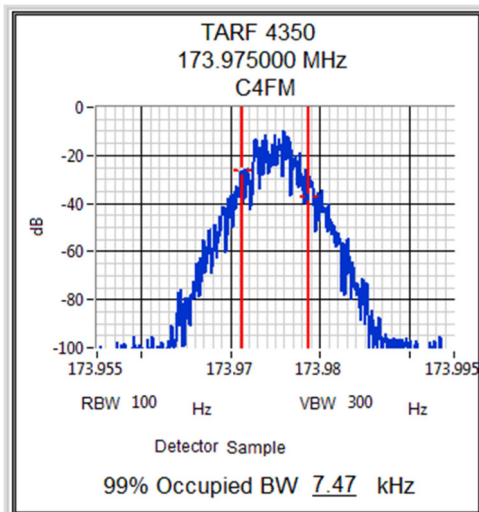
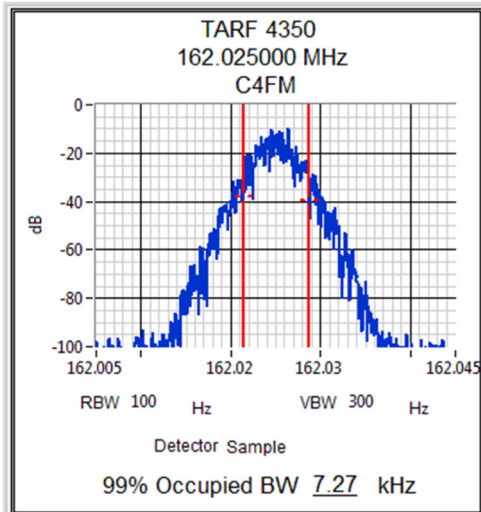
Transmitter Occupied (99%) Bandwidth

Channel 1-4 5 watts 12.5 kHz ch spacing P25 Phase 1 Modulation



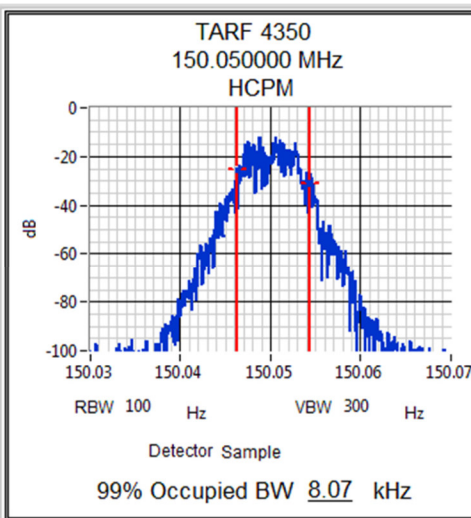
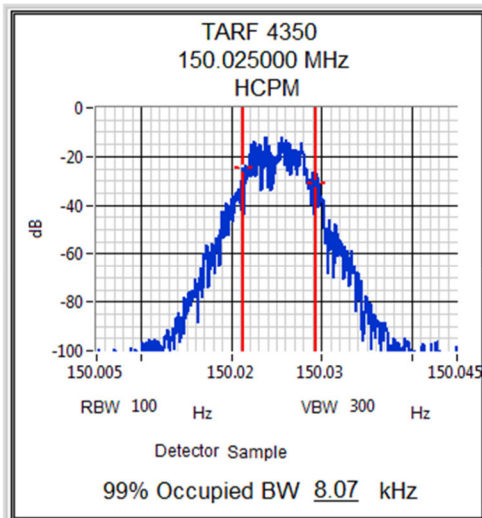
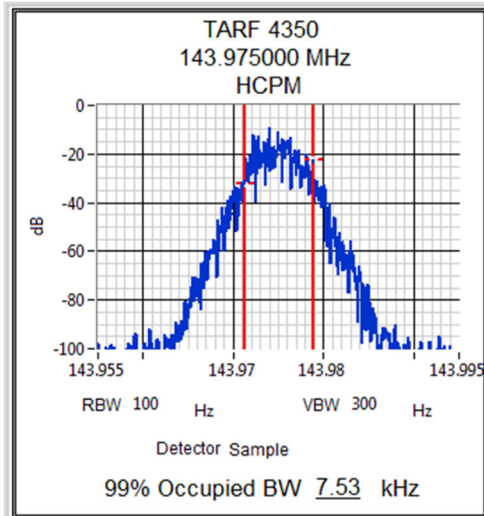
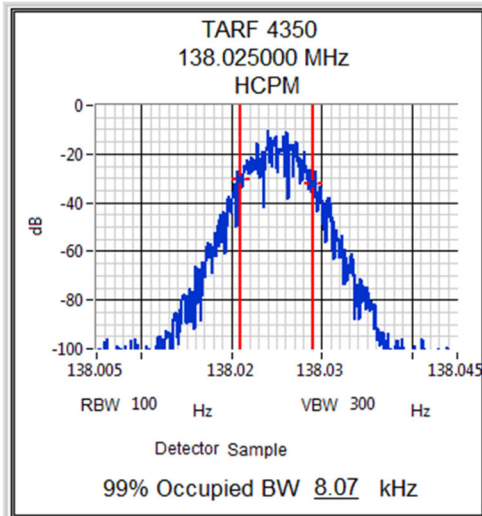
Transmitter Occupied (99%) Bandwidth

Channel 5-7 5 watts 12.5 kHz ch spacing P25 Phase 1 Modulation



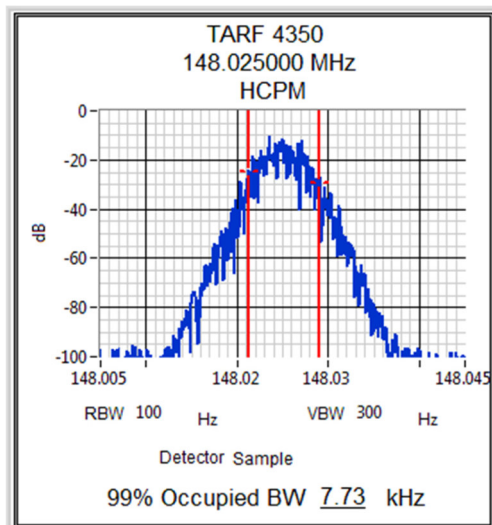
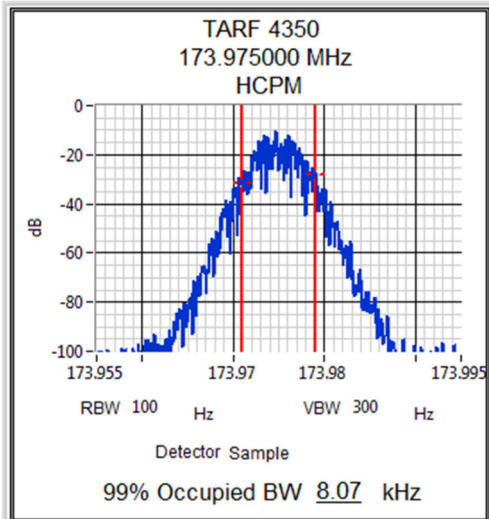
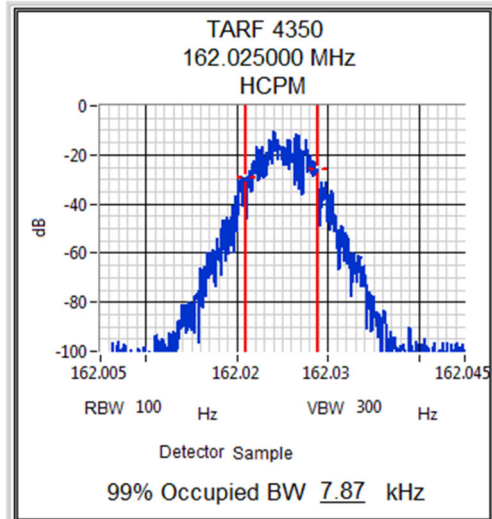
Transmitter Occupied (99%) Bandwidth

Channel 1-4 5 watts 12.5 kHz ch spacing P25 Phase 2 Modulation



Transmitter Occupied (99%) Bandwidth

Channel 5-7 5 watts 12.5 kHz ch spacing P25 Phase 2 Modulation



TRANSMITTER SPECTRUM MASKS

SPECIFICATION: FCC 47 CFR 2.1049 (c) RSS-119 5.5

GUIDE: ANSI C63.26.5.7.3

MEASUREMENT PROCEDURE:

1. Refer Annex A for Equipment Set up.
2. 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.

3. The Occupied Bandwidth was measured on the Spectrum Analyser, with bandwidth settings as follows.

Emission Mask D – Resolution Bandwidth = 100 Hz, Video Bandwidth = 1 kHz

Emission Mask B, and C – Resolution bandwidth = 300 Hz, Video Bandwidth = 3 kHz

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 RSS-119 5.5

EMISSION MASKS

Emission Mask D	12.5 kHz Channel Spacing	Analogue, FFSK, Digital Voice/data
Emission Mask B	25.0 kHz Channel Spacing	Analogue WB
Emission Mask C	25.0 kHz Channel Spacing	FFSK WB

DATA SPEED

Digital Voice/Data	12.5 kHz Channel Spacing	9600 bps & 12000 bps
FFSK	12.5 kHz Channel Spacing	1200 bps & 2400 bps

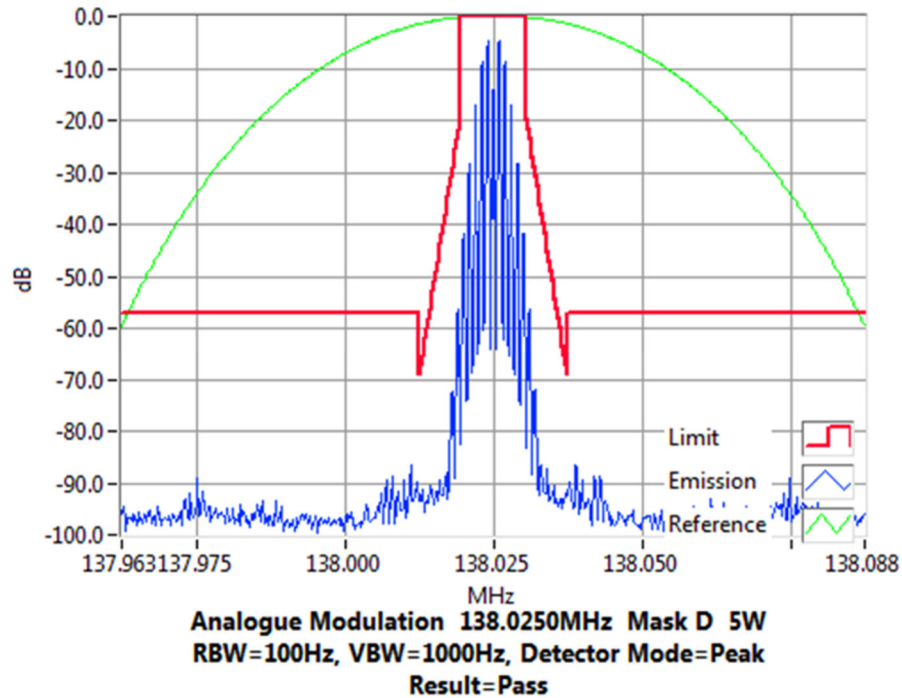
Digital Voice/Data	25.0 kHz Channel Spacing	9600 bps & 12000 bps
FFSK	25.0 kHz Channel Spacing	1200 bps & 2400 bps

Transmitter Spectrum Masks

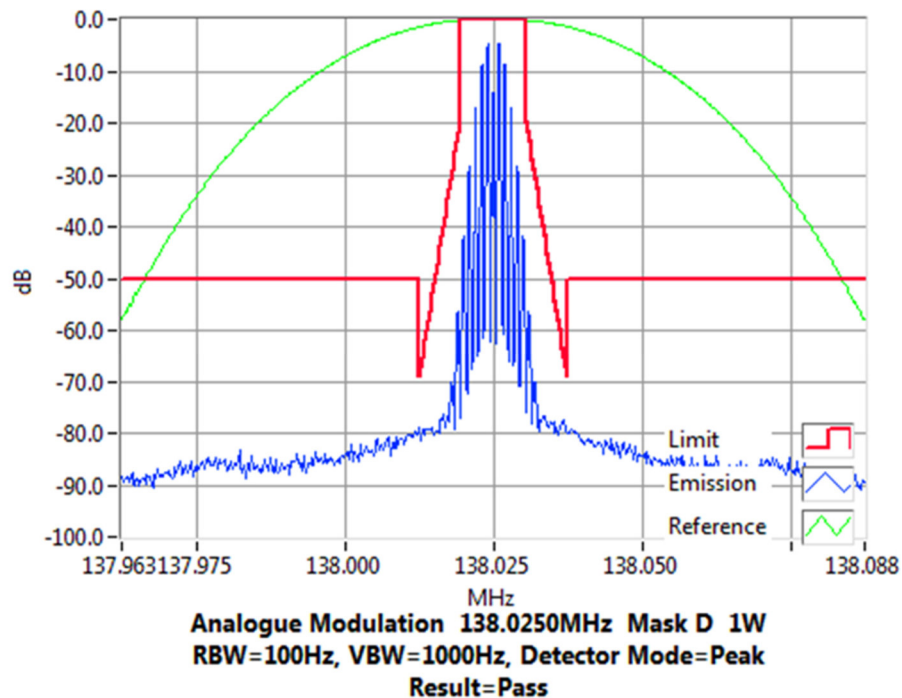
ANALOGUE VOICE

SPECIFICATION: FCC 47 CFR 2.1049 (c) RSS-119 5.5

Tx FREQUENCY: 138.025 MHz 5 W 12.5 kHz Channel Spacing



Tx FREQUENCY: 138.025 MHz 1 W 12.5 kHz Channel Spacing

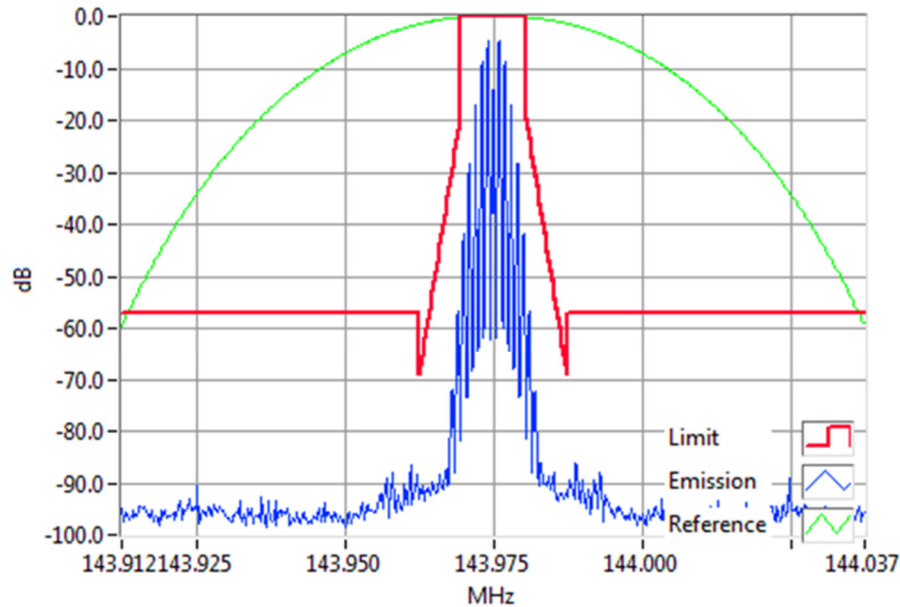


Transmitter Spectrum Masks

ANALOGUE VOICE

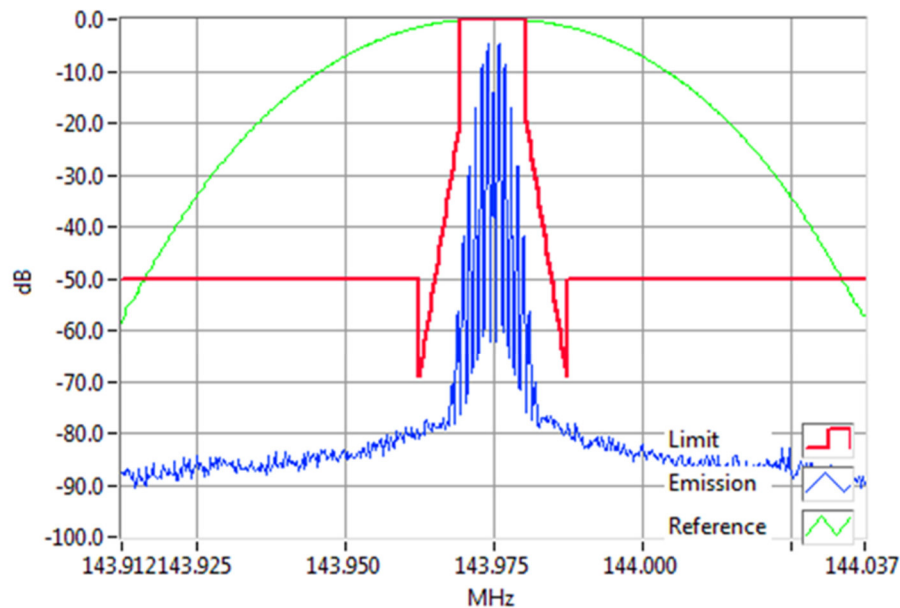
SPECIFICATION: FCC 47 CFR 2.1049 (c) RSS-119 5.5

Tx FREQUENCY: 143.975 MHz 5 W 12.5 kHz Channel Spacing



Analogue Modulation 143.9750MHz Mask D 5W
RBW=100Hz, VBW=1000Hz, Detector Mode=Peak
Result=Pass

Tx FREQUENCY: 143.975 MHz 1 W 12.5 kHz Channel Spacing



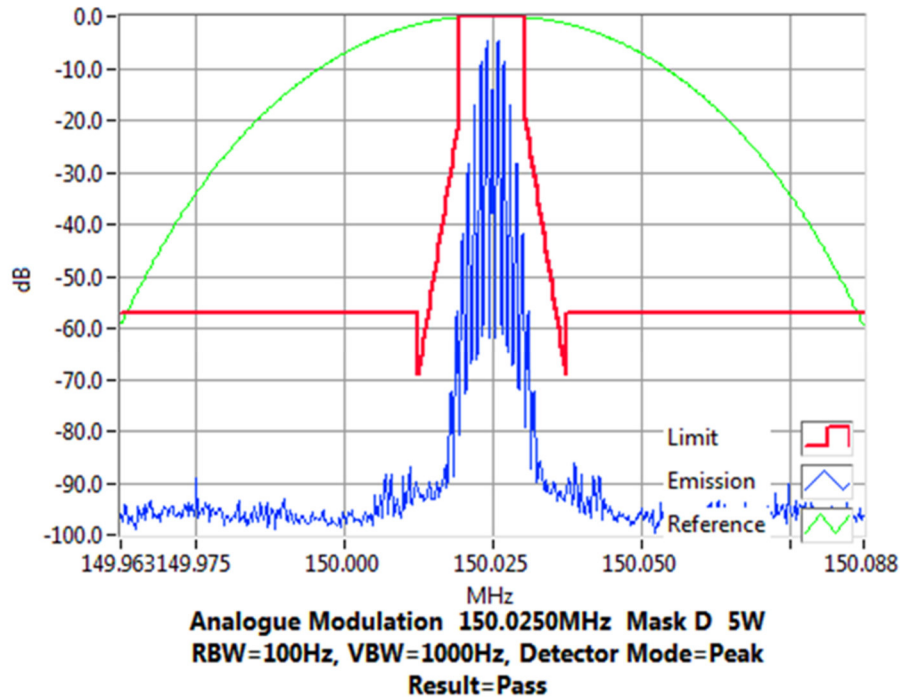
Analogue Modulation 143.9750MHz Mask D 1W
RBW=100Hz, VBW=1000Hz, Detector Mode=Peak
Result=Pass

Transmitter Spectrum Masks

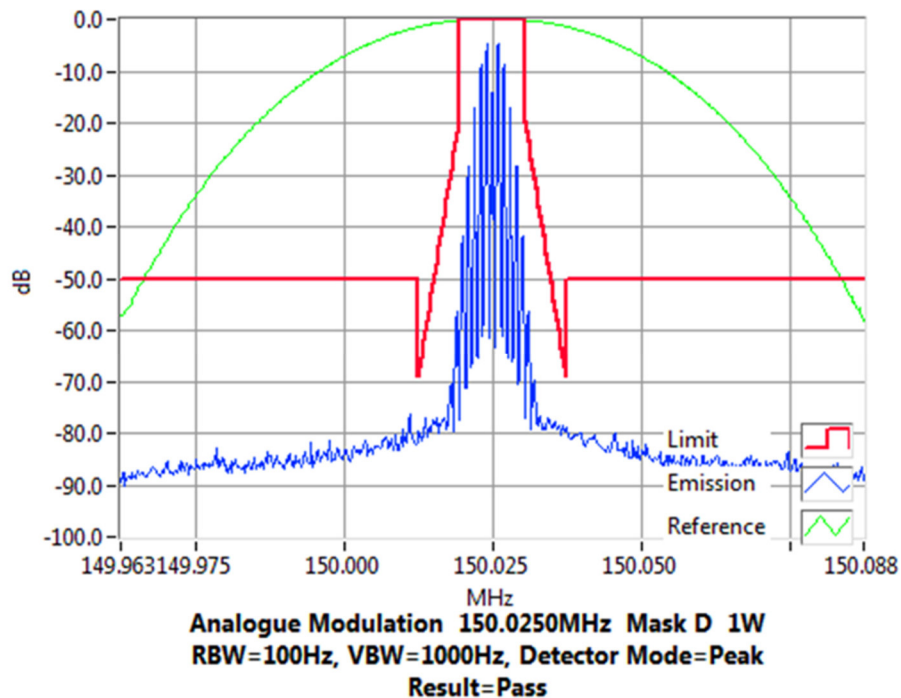
ANALOGUE VOICE

SPECIFICATION: FCC 47 CFR 2.1049 (c) RSS-119 5.5

Tx FREQUENCY: 150.025 MHz 5 W 12.5 kHz Channel Spacing



Tx FREQUENCY: 150.025 MHz 1 W 12.5 kHz Channel Spacing

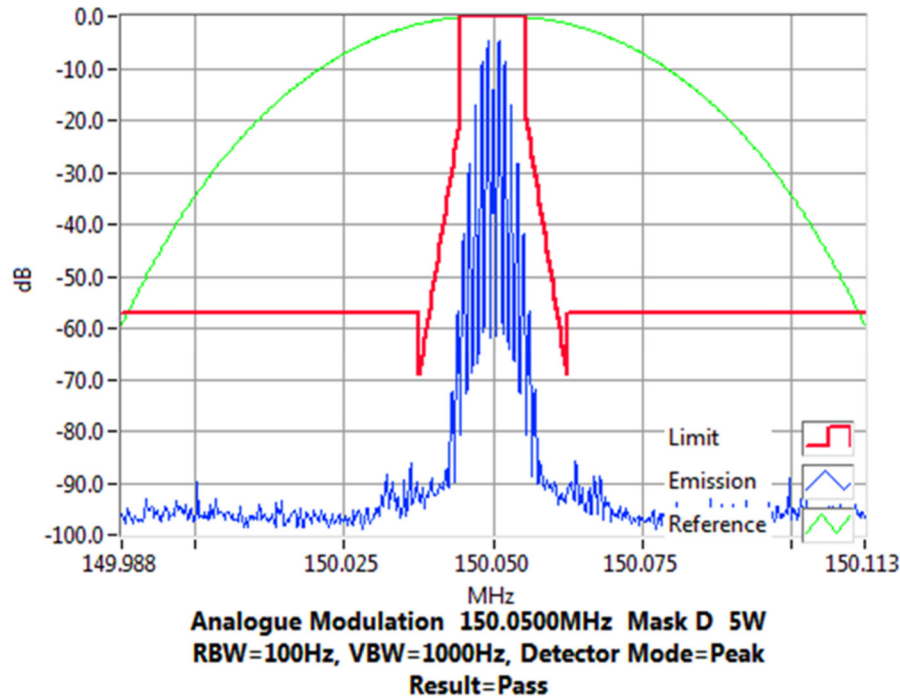


Transmitter Spectrum Masks

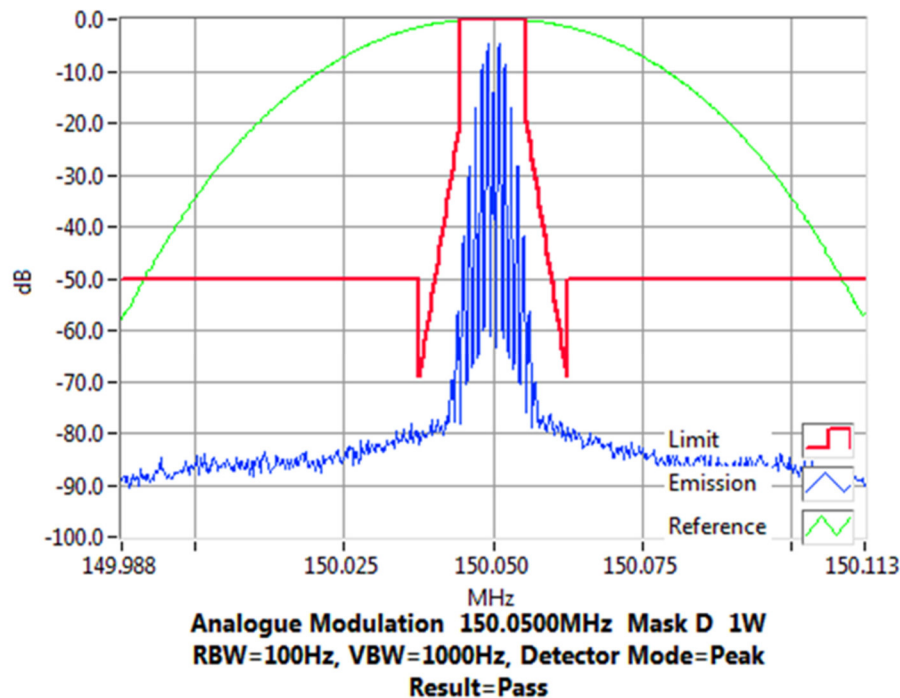
ANALOGUE VOICE

SPECIFICATION: FCC 47 CFR 2.1049 (c) RSS-119 5.5

Tx FREQUENCY: 150.05 MHz 5 W 12.5 kHz Channel Spacing



Tx FREQUENCY: 150.05 MHz 1 W 12.5 kHz Channel Spacing

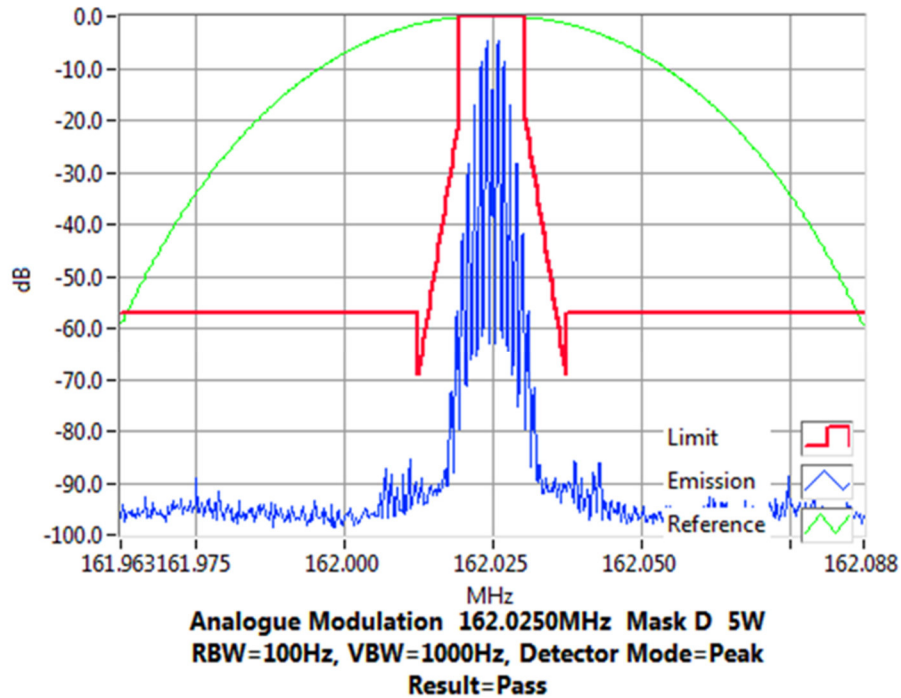


Transmitter Spectrum Masks

ANALOGUE VOICE

SPECIFICATION: FCC 47 CFR 2.1049 (c) RSS-119 5.5

Tx FREQUENCY: 162.025 MHz 5 W 12.5 kHz Channel Spacing



Tx FREQUENCY: 162.025 MHz 1 W 12.5 kHz Channel Spacing

