

Laboratory Test Report

For the
TPCK6A Handportable Transceiver

Tested In accordance with

FCC 47 CFR Parts 22 and 90

Report Revision: 1
Issue Date: 17-February-2009
FCC ID: CASTPCK6A

PREPARED BY: Garry Pringle _____
Test Technician

CHECKED & APPROVED BY: Steve Crompton _____
Laboratory Manager



All tests reported herein have been performed in accordance with the laboratory's scope of accreditation

This document must not be reproduced except in full, without the written permission of the Compliance Laboratory Manager.

TABLE OF CONTENTS

REVISION HISTORY	3
INTRODUCTION	4
REPORT PREPARED FOR	4
DESCRIPTION OF SAMPLE	4
STATEMENT OF COMPLIANCE.....	4
TEST CONDITIONS	4
TEST RESULTS	5
TRANSMITTER OUTPUT POWER (CONDUCTED)	5
TRANSMITTER AUDIO FREQUENCY RESPONSE - PRE-EMPHASIS	6
TRANSMITTER MODULATION LIMITING	9
OCCUPIED BANDWIDTH.....	14
SPURIOUS EMISSIONS (CONDUCTED)	31
SPURIOUS EMISSIONS (RADIATED)	34
TRANSMITTER FREQUENCY STABILITY (TEMPERATURE).....	37
TRANSMITTER FREQUENCY STABILITY (VOLTAGE).....	40
TEST EQUIPMENT USED	41
ANNEX A.....	42
TEST SETUP DETAILS	42

REVISION HISTORY

Date	Revision	Comments
17-February-2009	1	Initial test report

INTRODUCTION

Type Approval Testing of the
T03-00003-EAAA
Serial No 25082463
806 → 870 MHz

in accordance with:

FCC CFR 47 Parts 22 & 90

REPORT PREPARED FOR

Tait Electronics Ltd
PO Box 1645
558 Wairakei Rd
Christchurch
New Zealand

DESCRIPTION OF SAMPLE

Manufacturer	Tait Electronics Limited	
Equipment:	Handportable Transceiver	
Type:	TPCK6A	
Product code:	T03-00003-EAAA	
Serial Numbers:	25082463	
Quantity:	1	
Hardware & Software		
	Boot Code	QPC1B_std_1.00.00.0000
	Radio Application	QPC1C_std_1.07.00.0004

STATEMENT OF COMPLIANCE

The T03-00003-EAAA handportable transceiver as tested in this report was found to conform to the following standards:

FCC CFR 47 Parts 22 & 90

TEST CONDITIONS

All testing was performed at the following conditions.

Ambient Temperature	15°C → 30°C
Relative Humidity	20% → 75%
Standard Test Voltage	7.5 V _{DC}

TEST RESULTS

TRANSMITTER OUTPUT POWER (CONDUCTED)

SPECIFICATION: FCC 47 CFR 2.1046

GUIDE: TIA/EIA-603C 2.2.1

MEASUREMENT PROCEDURE:

1. Refer Annex A for Equipment set up.
2. The coaxial attenuator has an impedance of 50 Ohms.
3. The unmodulated output power was measured with an RF Power meter.

MEASUREMENT RESULTS:

Manufacturer's Rated Output Power: Switchable: 3 W and 1 W

Nominal 3 W	807.5125 MHz	852.5125 MHz	823.9875 MHz	868.9875 MHz
Measured	2.8	2.7	2.7	2.8
Variation (%)	-6.7	-10.0	-10.0	-6.7
Nominal 1 W	807.5125 MHz	852.5125 MHz	823.9875 MHz	868.9875 MHz
Measured	0.96	0.91	0.92	0.95
Variation (%)	-4.0	-9.0	-8.0	-5.0
Measurement Uncertainty	± 0.6 dB			

LIMIT CLAUSE: FCC 47 CFR 90.205 (s)

Radio Type: Mobile Transceiver
Frequency Bands: 806 MHz ~ 824 MHz
851 MHz ~ 869 MHz

The output power shall not exceed by more than 20%... the manufacturer's rated output power for the particular transmitter specifically listed on the authorization.

TRANSMITTER AUDIO FREQUENCY RESPONSE - PRE-EMPHASIS

SPECIFICATION: FCC 47 CFR 2.1047 (a)

GUIDE: TIA/EIA-603C 2.2.6

MEASUREMENT PROCEDURE:

1. Refer Annex A for Equipment set up.
2. An audio input tone of 1000Hz was applied with the level set to obtain 20% of maximum deviation. This was used as the 0dB reference point.
3. The AF was varied while the audio level was held constant.
4. The response in dB relative to 1000Hz was measured.

MEASUREMENT RESULTS:

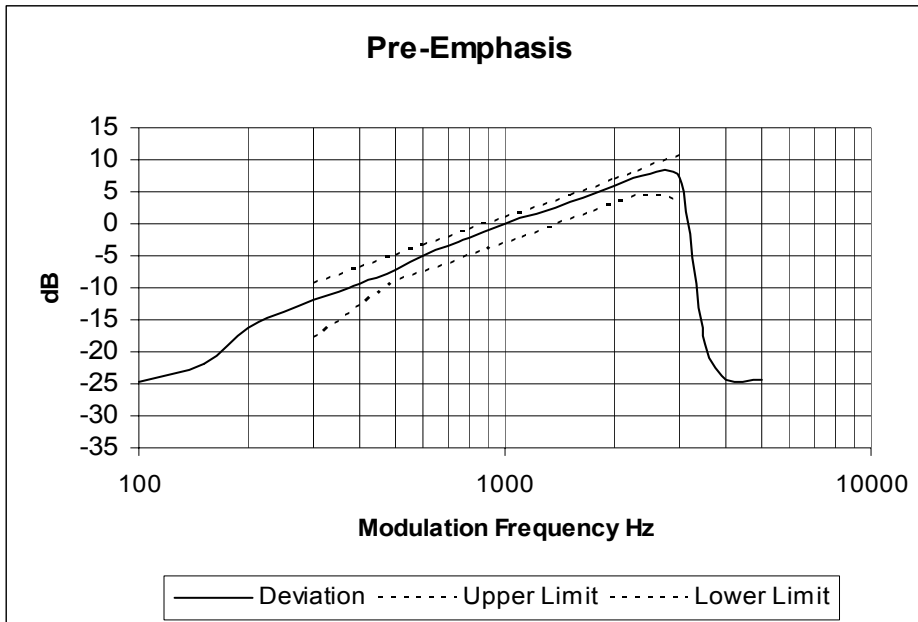
See the plots on the following pages for 12.5 kHz & 25.0 kHz channel spacings.

LIMIT CLAUSE: TIA/EIA-603C 3.2.6

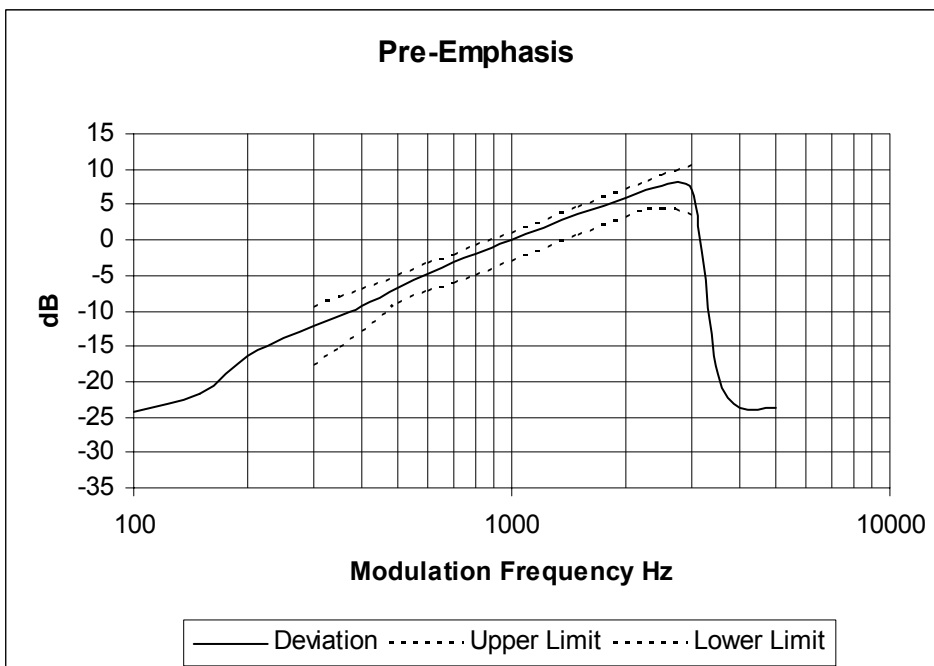
TRANSMITTER AUDIO FREQUENCY RESPONSE - PRE-EMPHASIS

SPECIFICATION: FCC CFR 2.1047 (a)

Tx FREQUENCY: 807.5125 MHz 12.5 kHz Channel Spacing



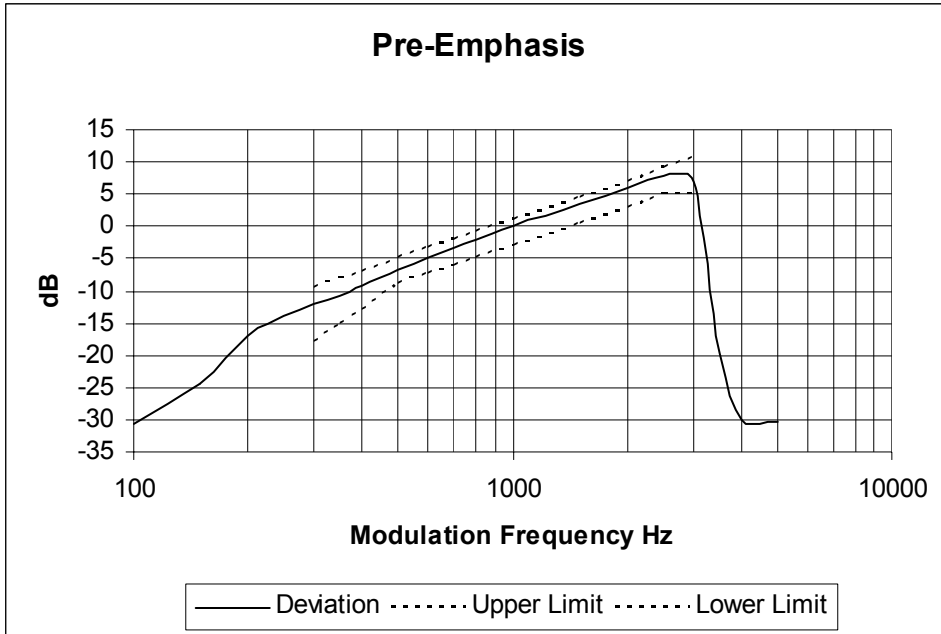
Tx FREQUENCY: 852.5125 MHz 12.5 kHz Channel Spacing



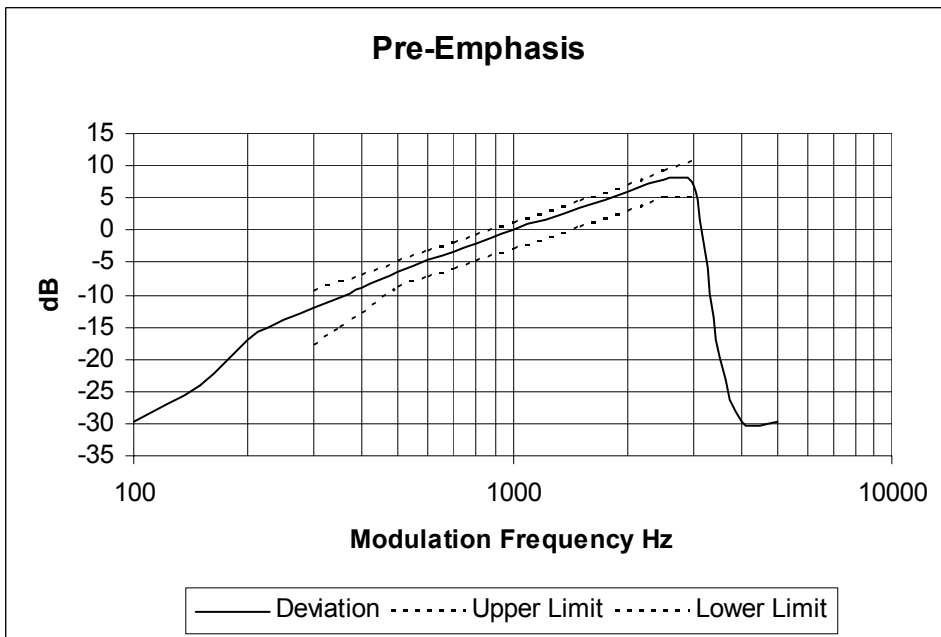
TRANSMITTER AUDIO FREQUENCY RESPONSE - PRE-EMPHASIS

SPECIFICATION: FCC CFR 2.1047 (a)

Tx FREQUENCY: 823.9875 MHz 25.0 kHz Channel Spacing



Tx FREQUENCY: 868.9875 MHz 25.0 kHz Channel Spacing



TRANSMITTER MODULATION LIMITING

SPECIFICATION: FCC 47 CFR 2.1047 (b)

MEASUREMENT PROCEDURE:

1. Refer Annex A for Equipment set up.
2. The modulation response was measured at three audio frequencies while varying the input level.
3. Measurements were made for both Positive and Negative Deviation.

MEASUREMENT RESULTS:

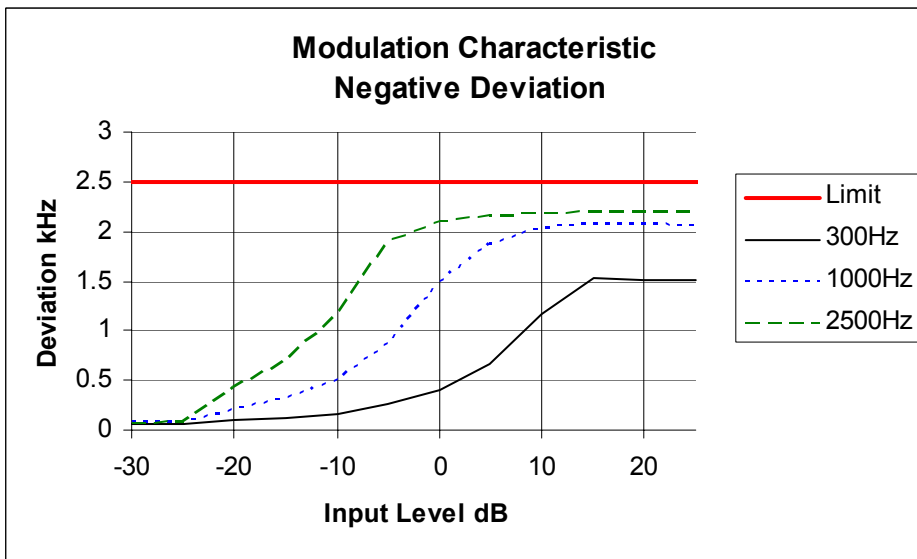
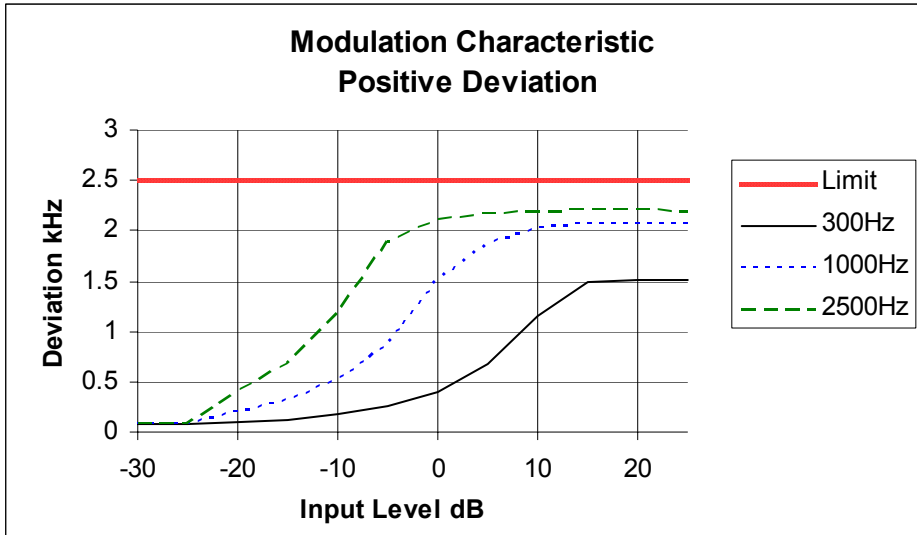
See the plots on the following pages for 12.5 kHz & 25.0 kHz channel spacings.

LIMIT CLAUSE: TIA/EIA-603C 1.3.4.4

TRANSMITTER MODULATION LIMITING

SPECIFICATION: FCC CFR 2.1047 (b)

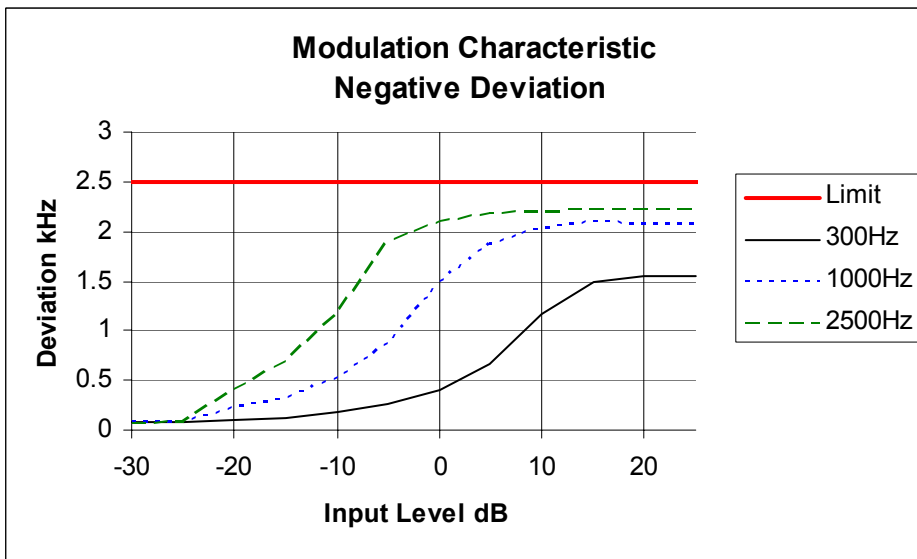
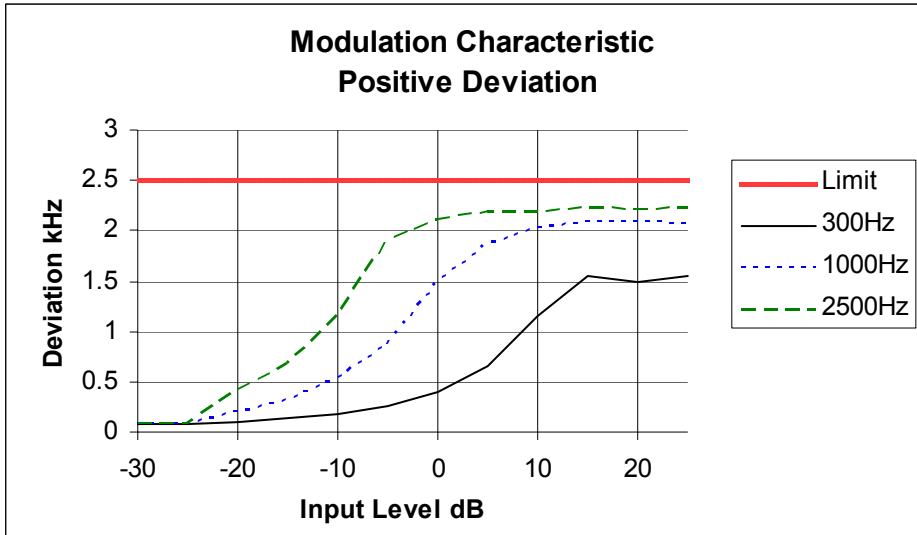
Tx FREQUENCY: 807.5125 MHz 12.5 kHz Channel Spacing



TRANSMITTER MODULATION LIMITING

SPECIFICATION: FCC CFR 2.1047 (b)

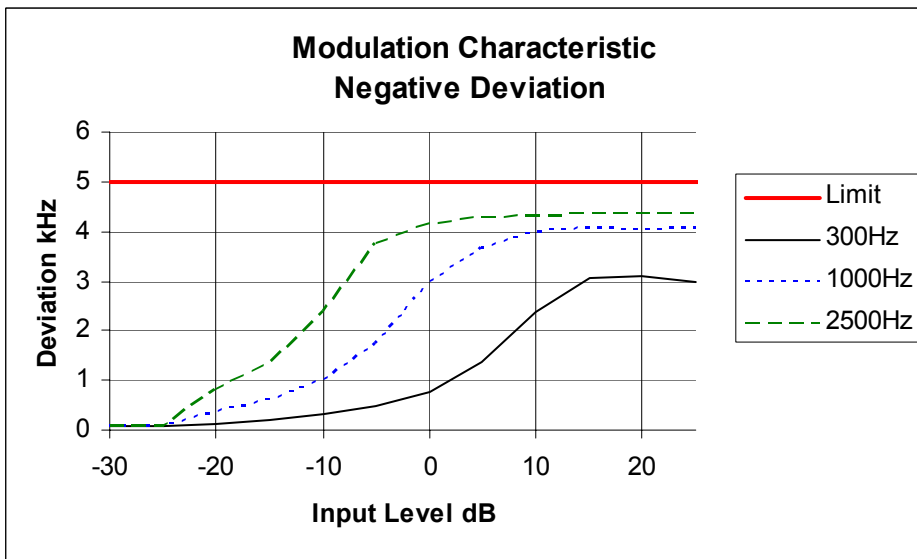
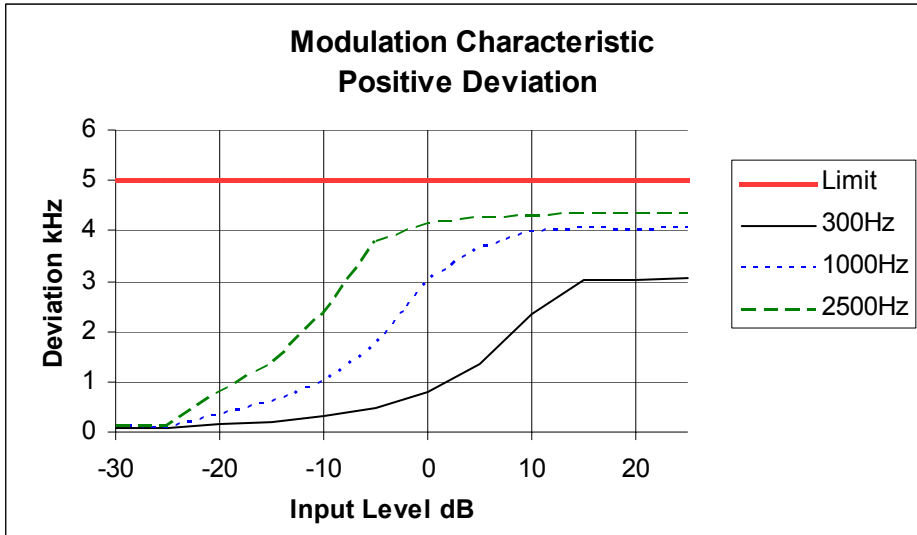
Tx FREQUENCY: 852.5125 MHz 12.5 kHz Channel Spacing



TRANSMITTER MODULATION LIMITING

SPECIFICATION: FCC CFR 2.1047 (b)

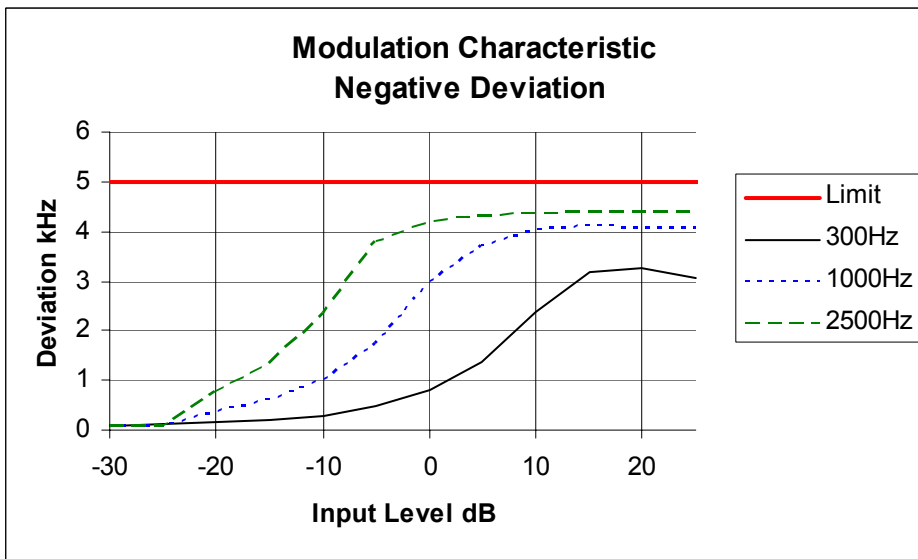
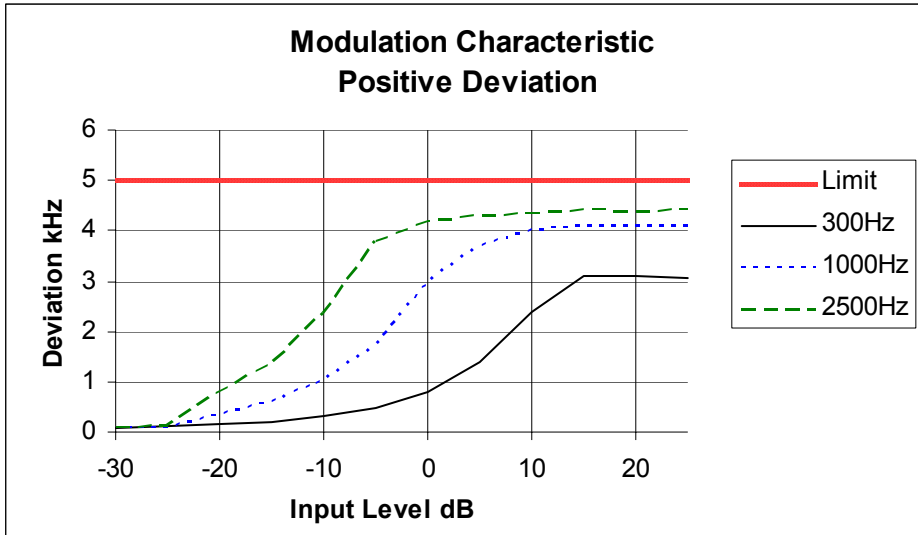
Tx FREQUENCY: 823.9875 MHz 25.0 kHz Channel Spacing



TRANSMITTER MODULATION LIMITING

SPECIFICATION: FCC CFR 2.1047 (b)

Tx FREQUENCY: 868.9875 MHz 25.0 kHz Channel Spacing



OCCUPIED BANDWIDTH

SPECIFICATION: FCC 47 CFR 2.1049 (c)

GUIDE: TIA/EIA-603C 2.2.11

MEASUREMENT PROCEDURE:

1. Refer Annex A for Equipment Set up.
2. For analog measurements: The EUT was modulated by a 2500Hz tone at an input level 16dB 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 B – Resolution bandwidth = 300Hz, Video Bandwidth = 3 kHz

MEASUREMENT RESULTS:

See the plots on the following pages for 12.5 kHz & 25.0 kHz channel spacings.

LIMIT CLAUSE: FCC 47 CFR 90.210

EMISSION MASKS

Emission Mask B	12.5 kHz Channel Spacing	Analog; FFSK
Emission Mask B	25.0 kHz Channel Spacing	Analog; FFSK

Note: Authorized Bandwidth is 20.0 kHz for both 12.5 kHz & 25.0 kHz channel spacings.

DATA SPEED

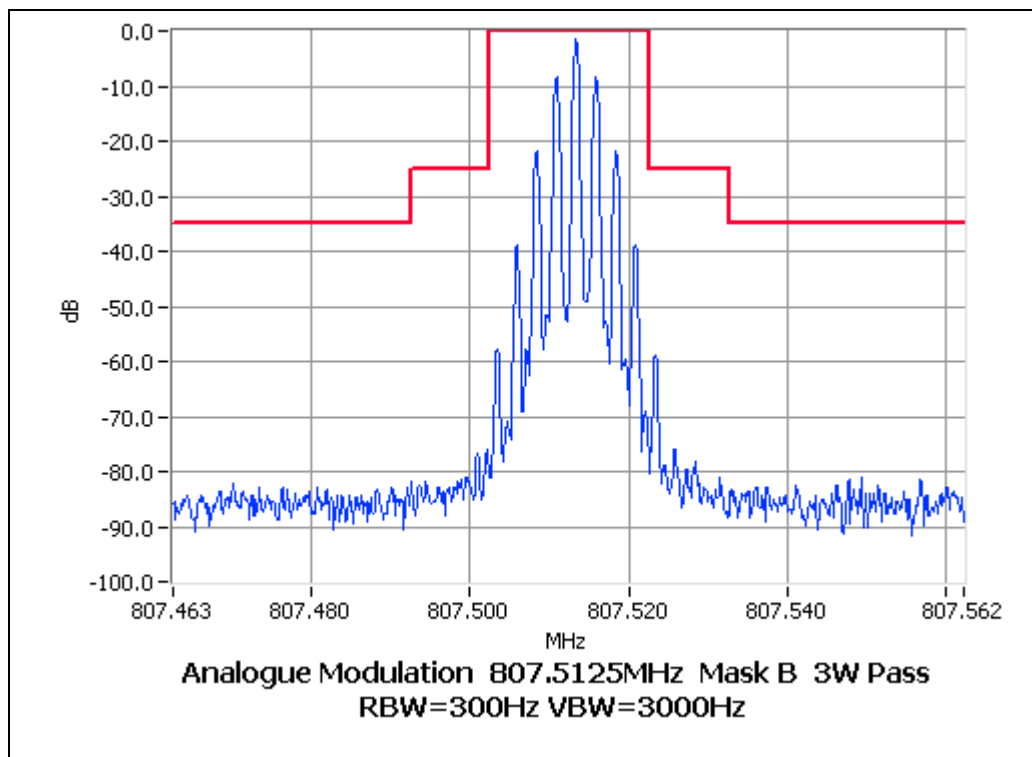
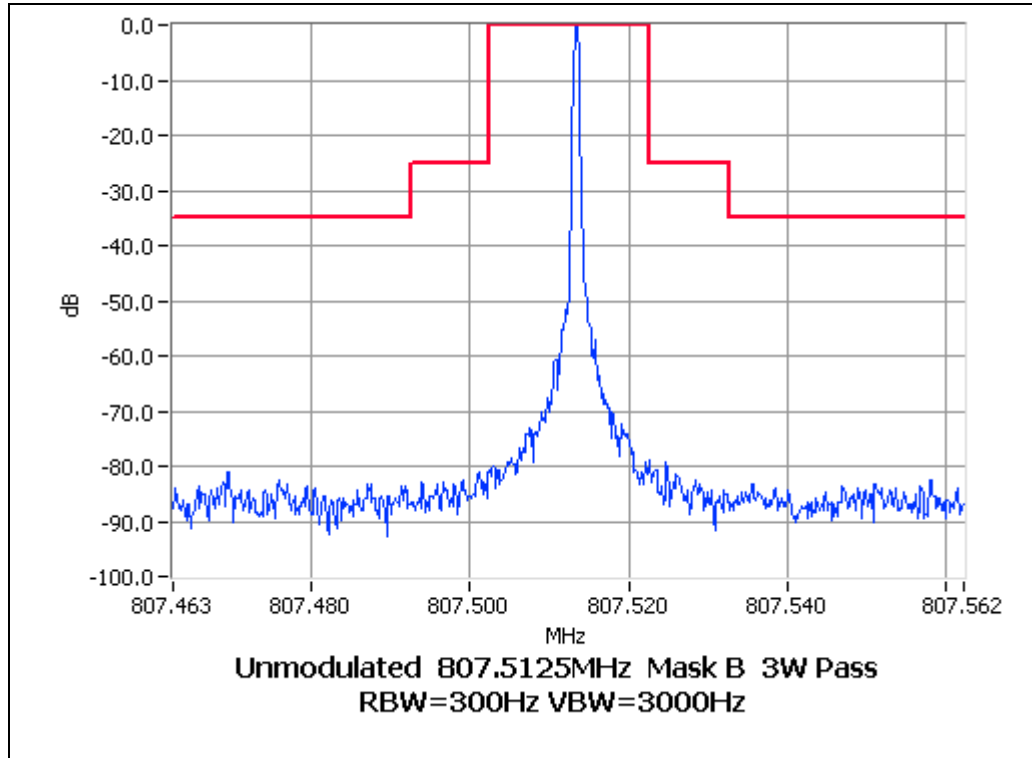
FFSK	12.5 kHz Channel Spacing	1200 bps
FFSK	25.0 kHz Channel Spacing	1200 bps

OCCUPIED BANDWIDTH

ANALOG VOICE

SPECIFICATION: FCC CFR 2.1049 (c)

Tx FREQUENCY: 807.5125 MHz 3 W 12.5 kHz Channel Spacing

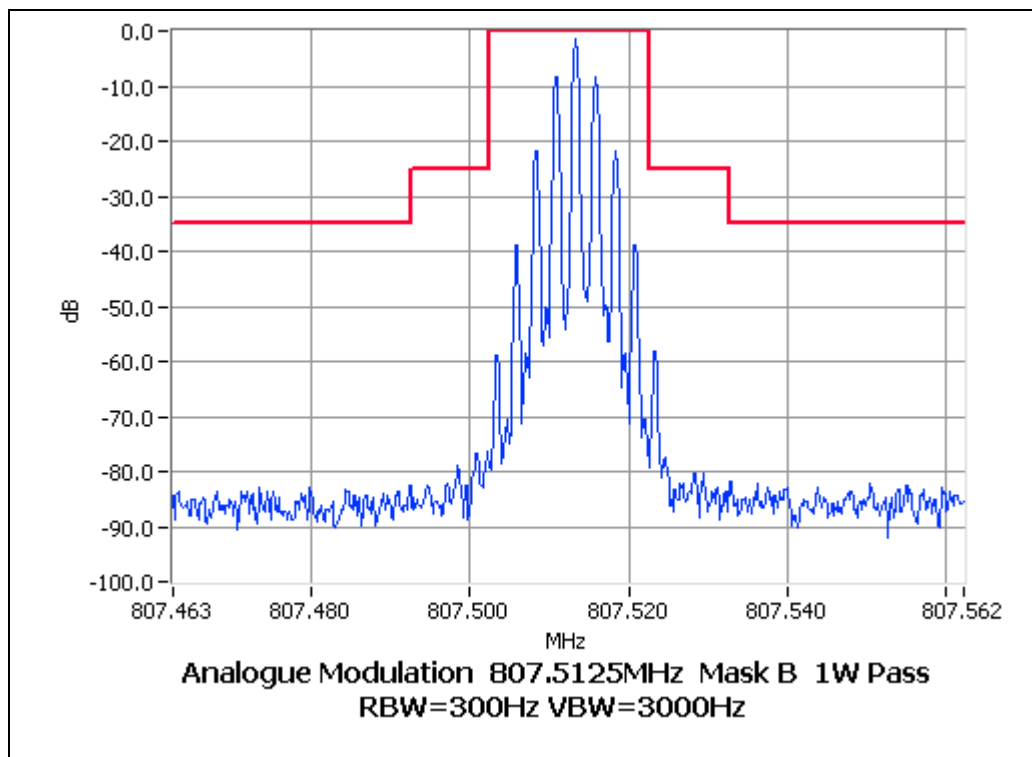
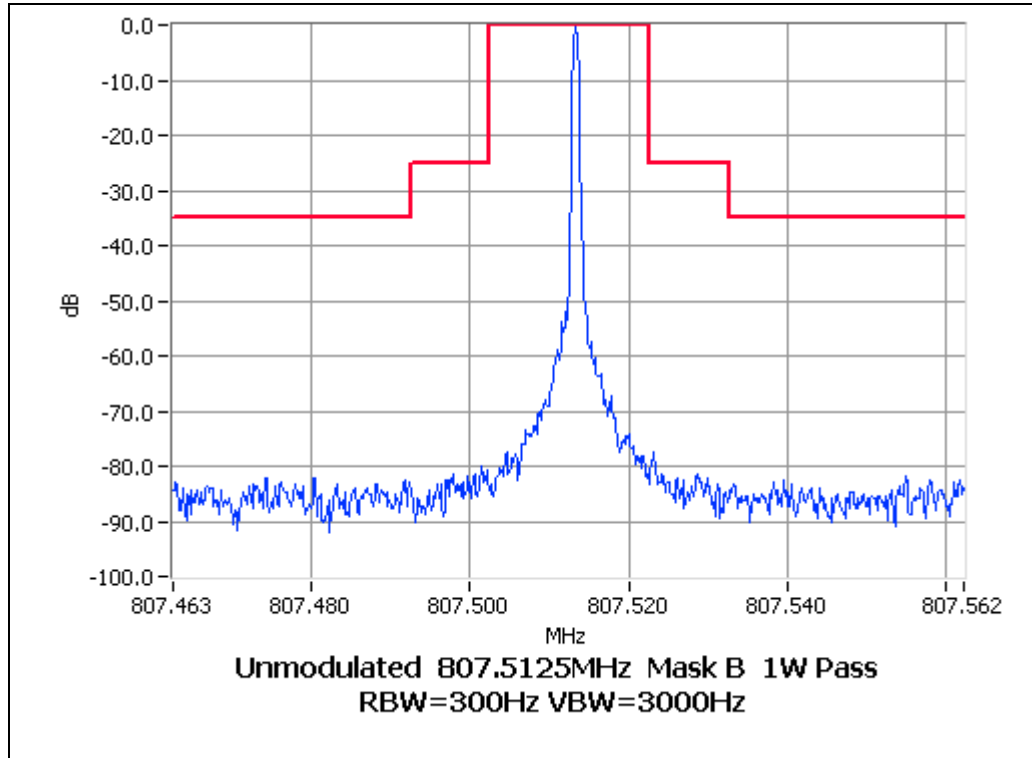


OCCUPIED BANDWIDTH

ANALOG VOICE

SPECIFICATION: FCC CFR 2.1049 (c)

Tx FREQUENCY: 807.5125 MHz 1 W 12.5 kHz Channel Spacing

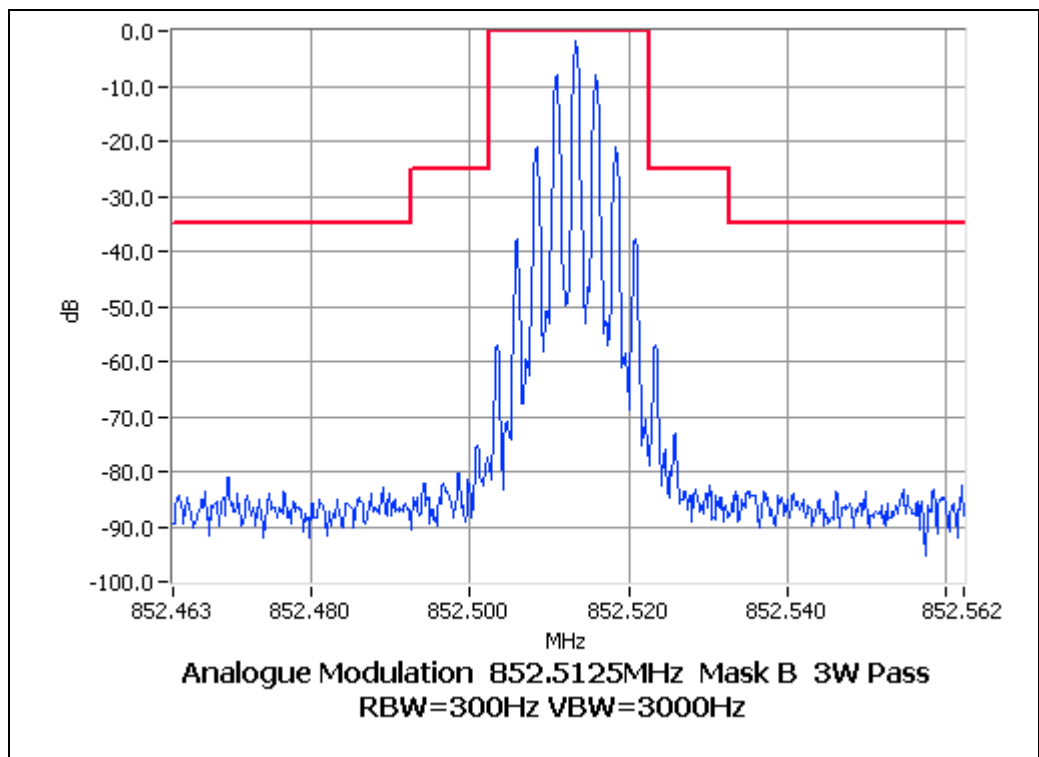
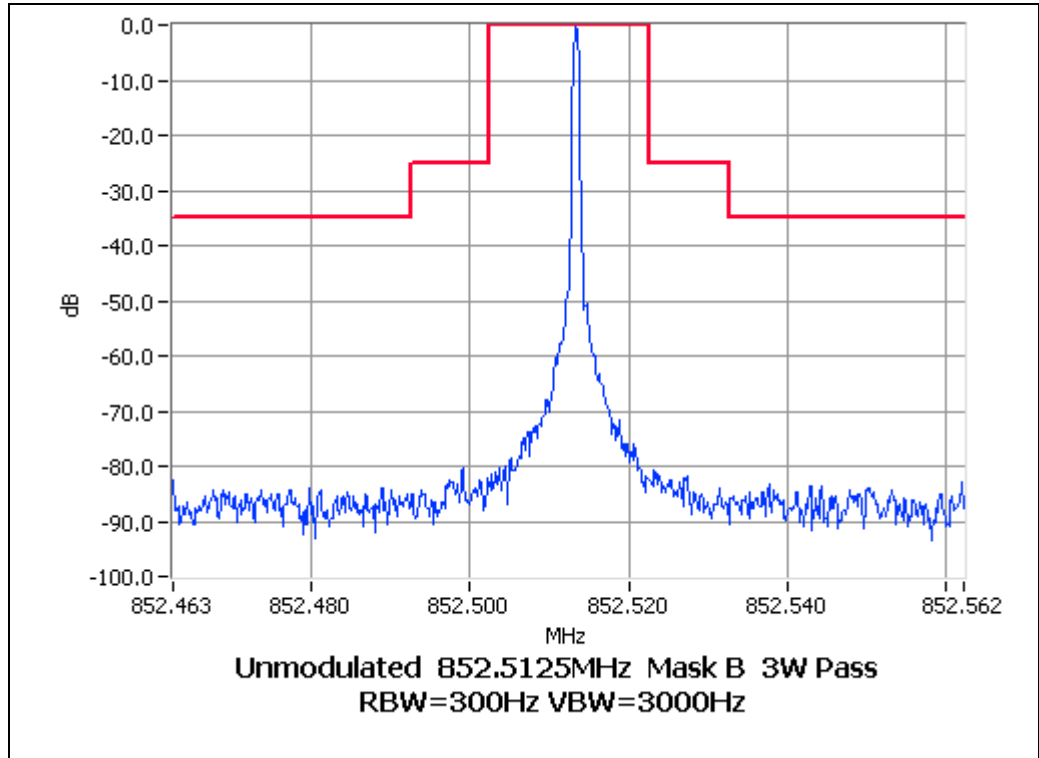


OCCUPIED BANDWIDTH

ANALOG VOICE

SPECIFICATION: FCC CFR 2.1049 (c)

Tx FREQUENCY: 852.5125 MHz 3 W 12.5 kHz Channel Spacing

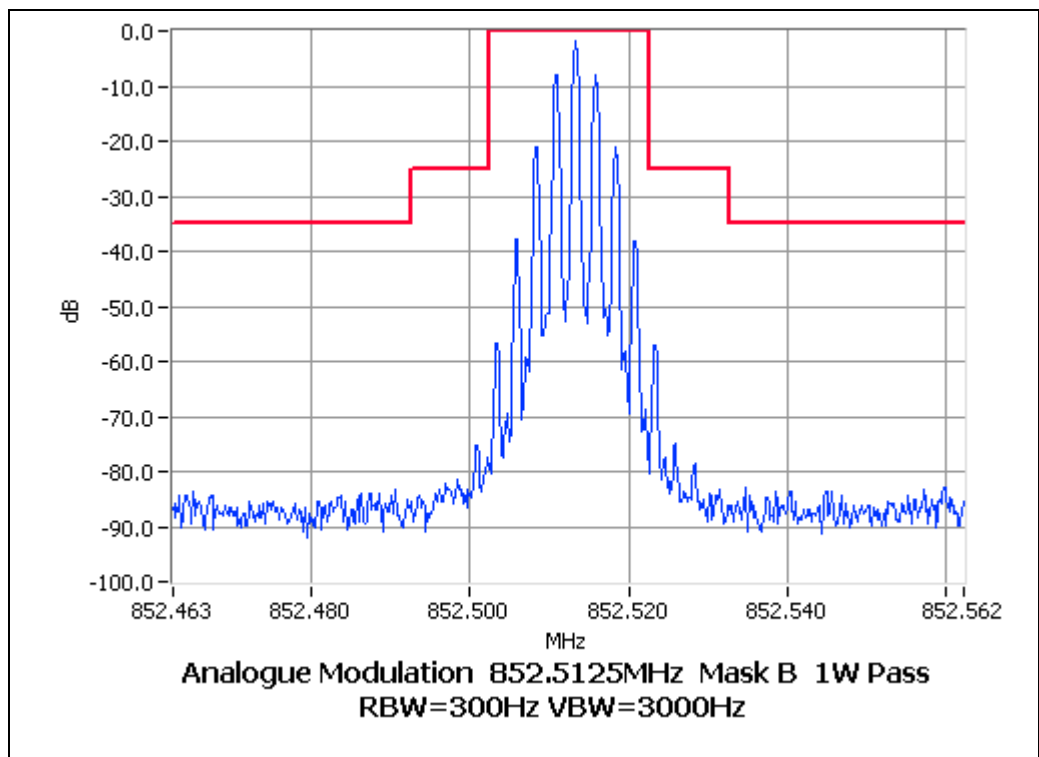
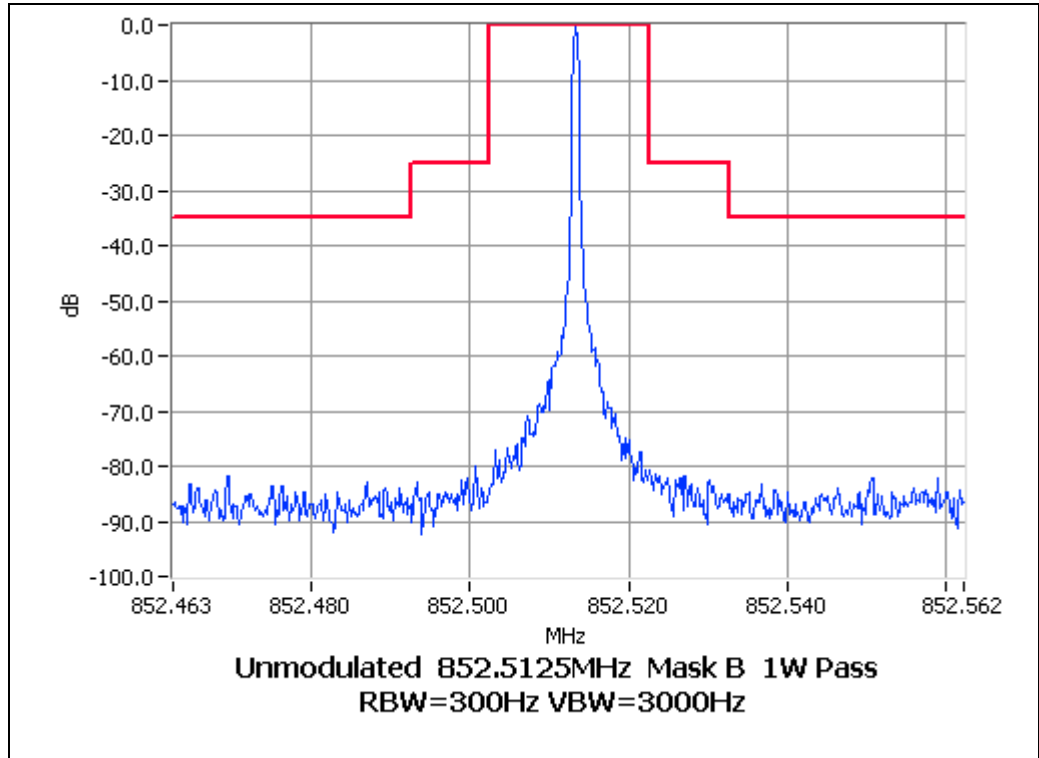


OCCUPIED BANDWIDTH

ANALOG VOICE

SPECIFICATION: FCC CFR 2.1049 (c)

Tx FREQUENCY: 852.5125 MHz 1 W 12.5 kHz Channel Spacing

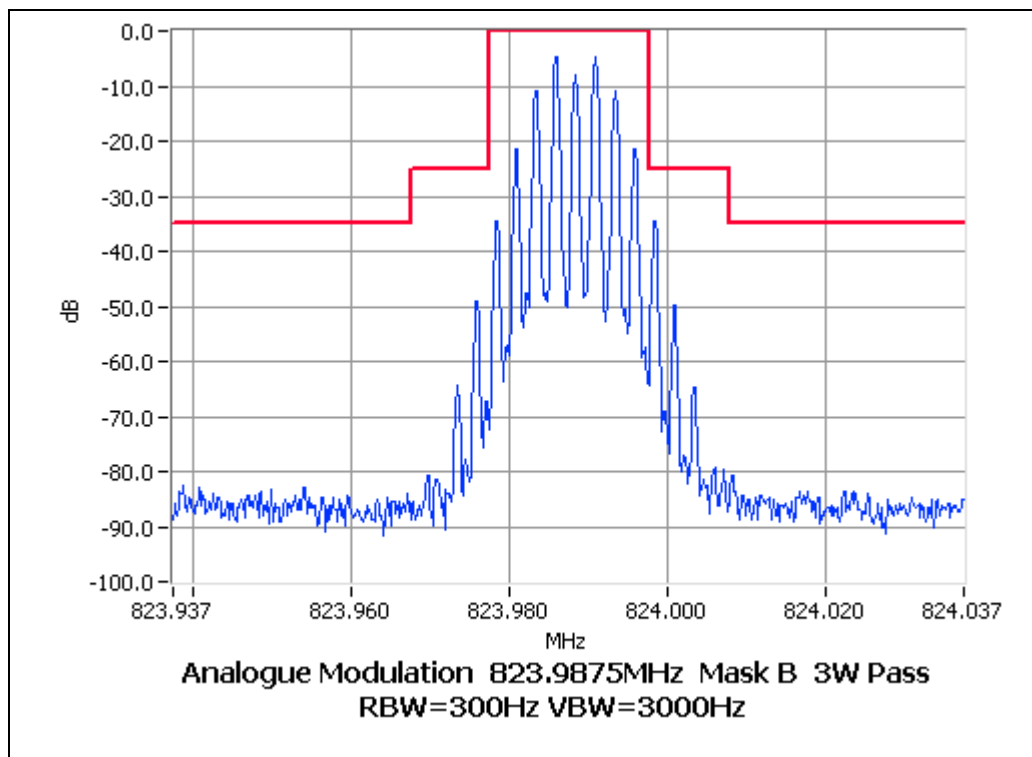
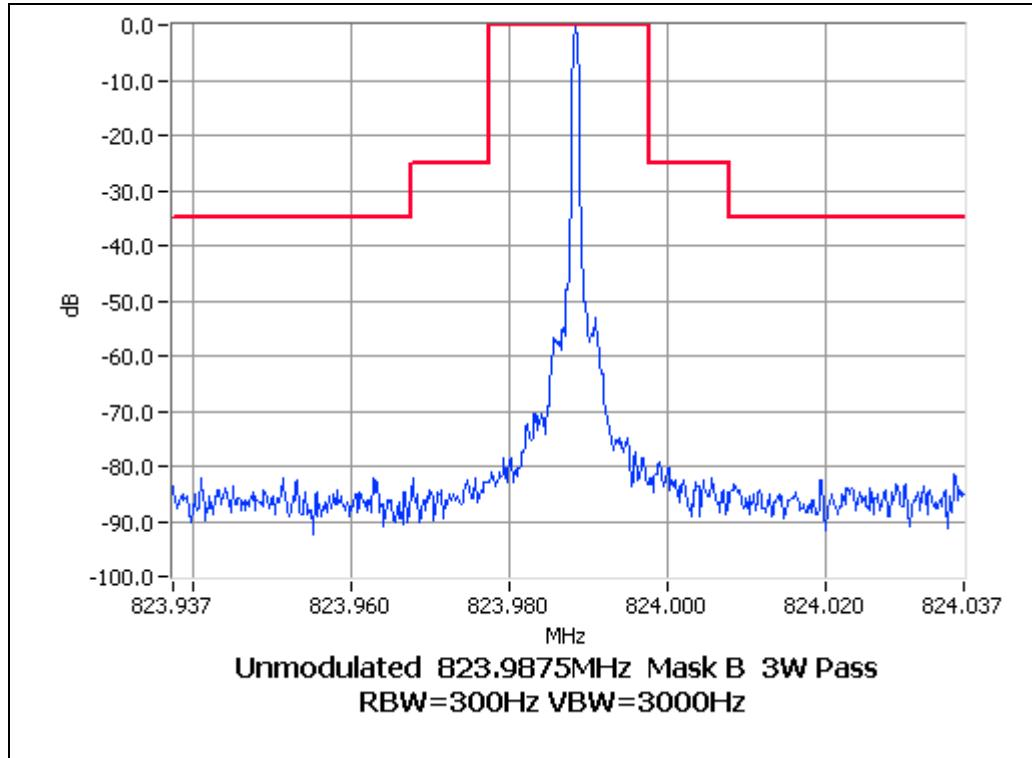


OCCUPIED BANDWIDTH

ANALOG VOICE

SPECIFICATION: FCC CFR 2.1049 (c)

Tx FREQUENCY: 823.9875 MHz 3 W 25.0 kHz Channel Spacing

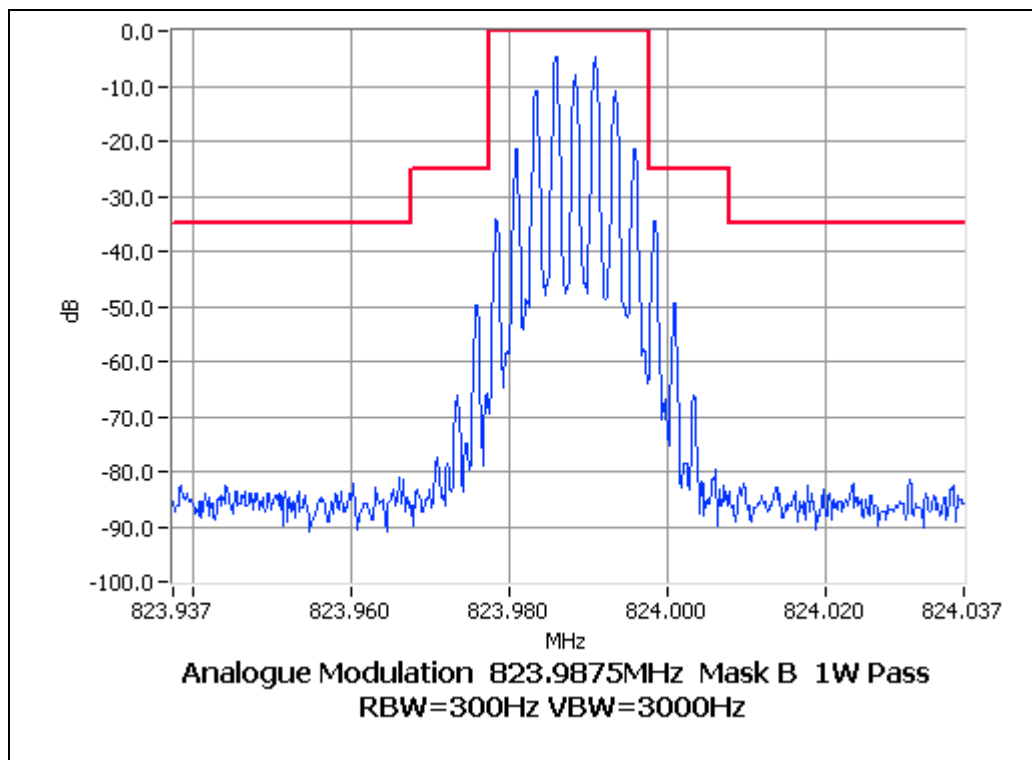
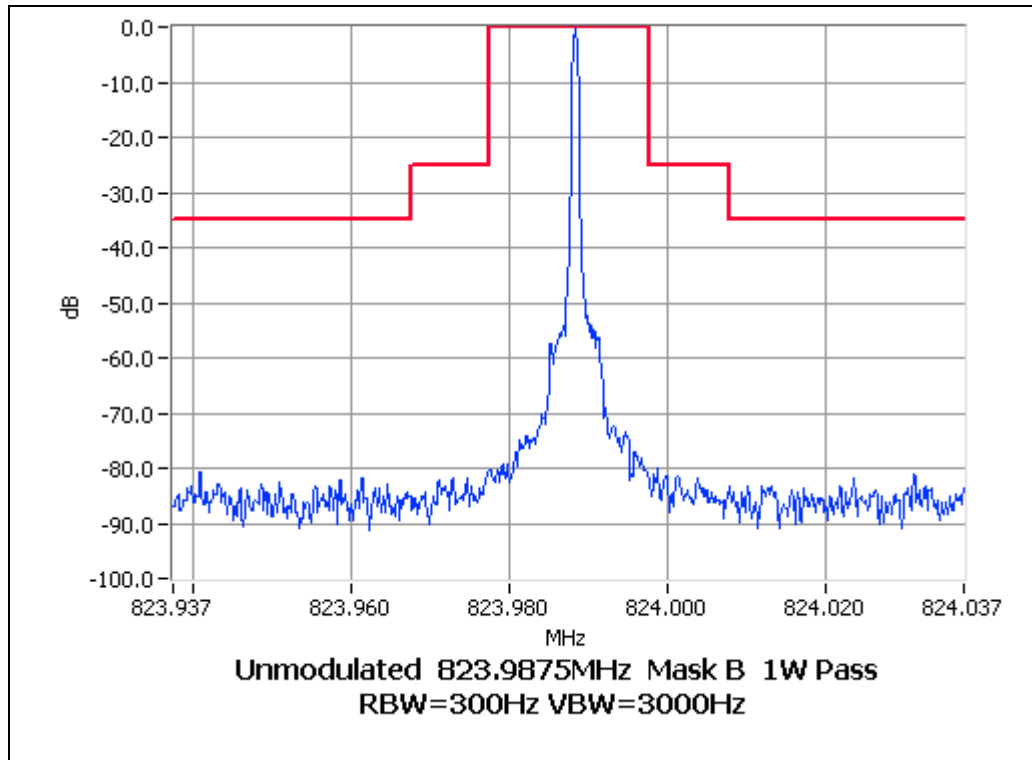


OCCUPIED BANDWIDTH

ANALOG VOICE

SPECIFICATION: FCC CFR 2.1049 (c)

Tx FREQUENCY: 823.9875 MHz 1 W 25.0 kHz Channel Spacing

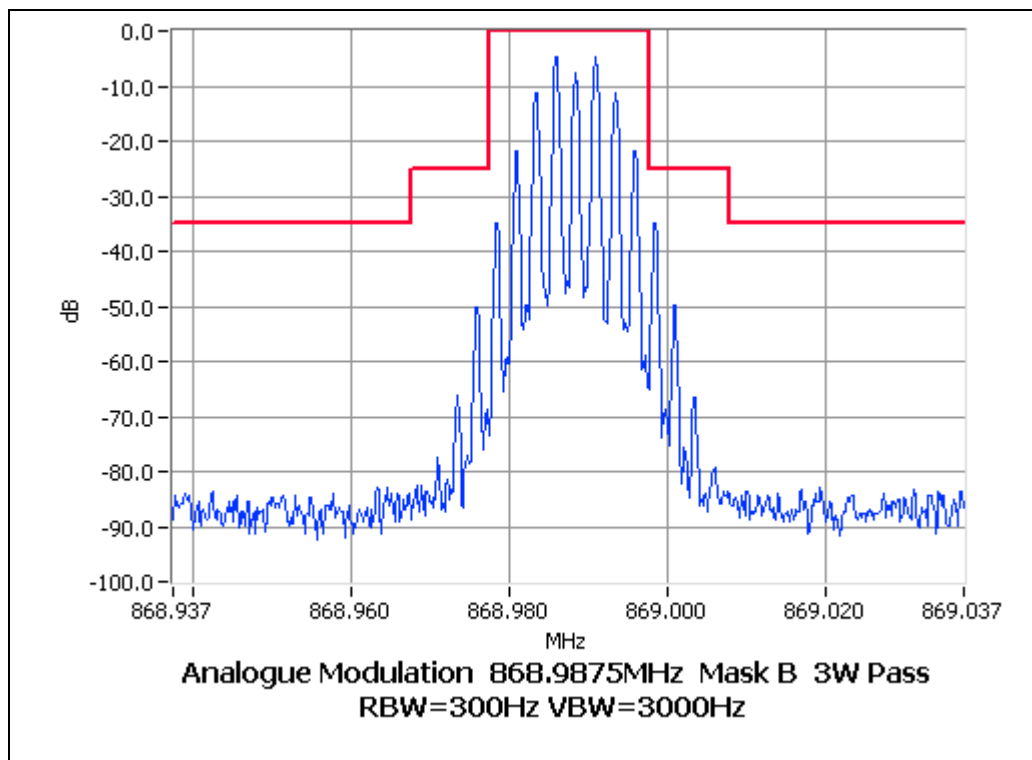
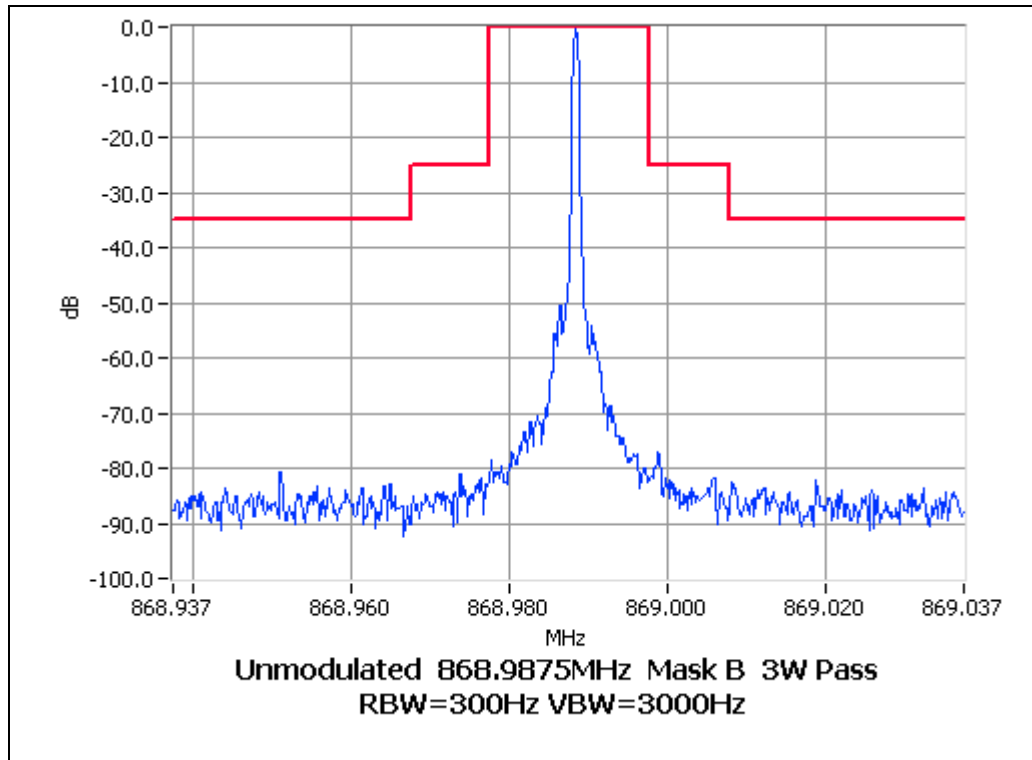


OCCUPIED BANDWIDTH

ANALOG VOICE

SPECIFICATION: FCC CFR 2.1049 (c)

Tx FREQUENCY: 868.9875 MHz 3 W 25.0 kHz Channel Spacing

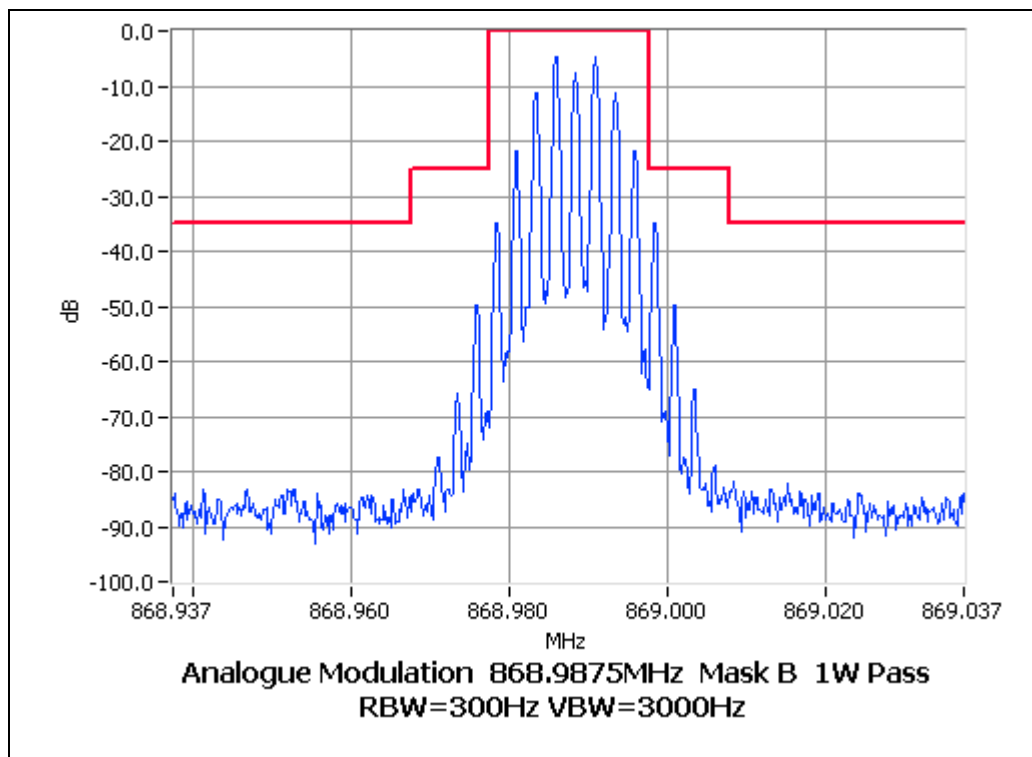
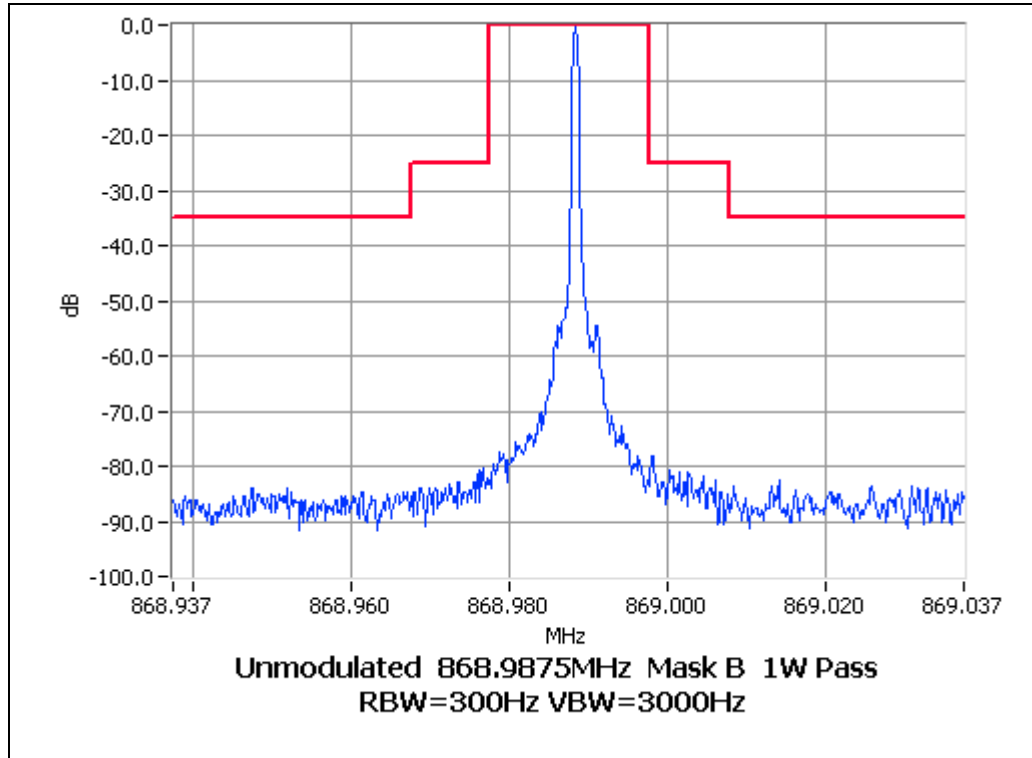


OCCUPIED BANDWIDTH

ANALOG VOICE

SPECIFICATION: FCC CFR 2.1049 (c)

Tx FREQUENCY: 868.9875 MHz 1 W 25.0 kHz Channel Spacing

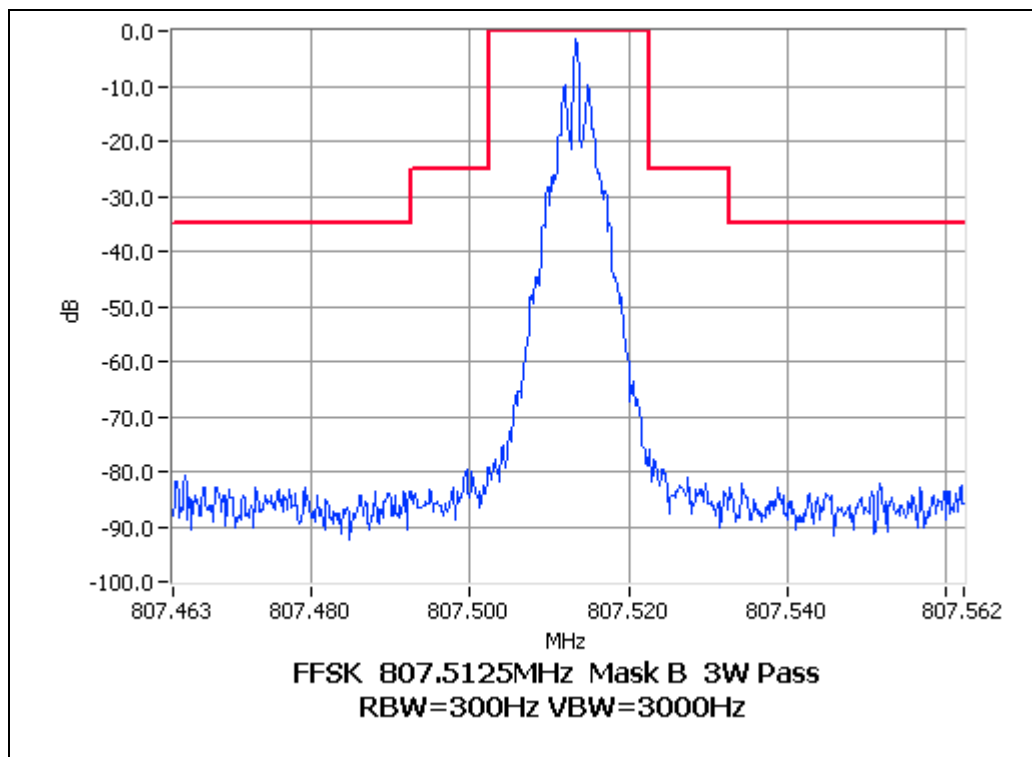
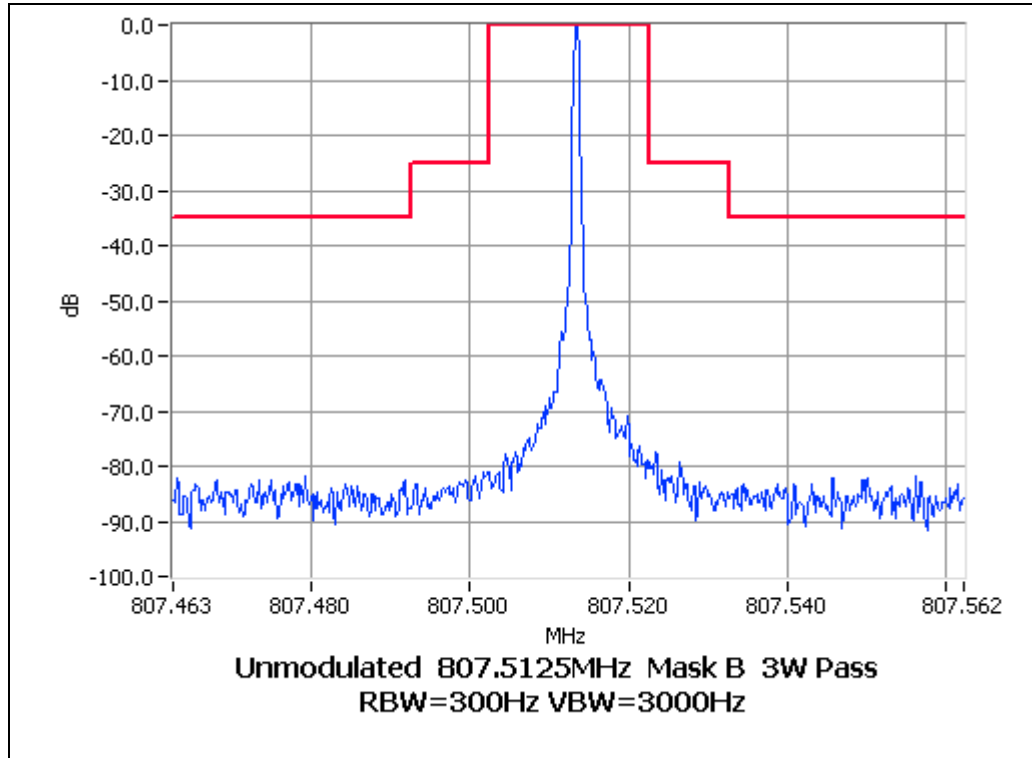


OCCUPIED BANDWIDTH

FFSK

SPECIFICATION: FCC CFR 2.1049 (c)

Tx FREQUENCY: 807.5125 MHz 3 W 12.5 kHz Channel Spacing

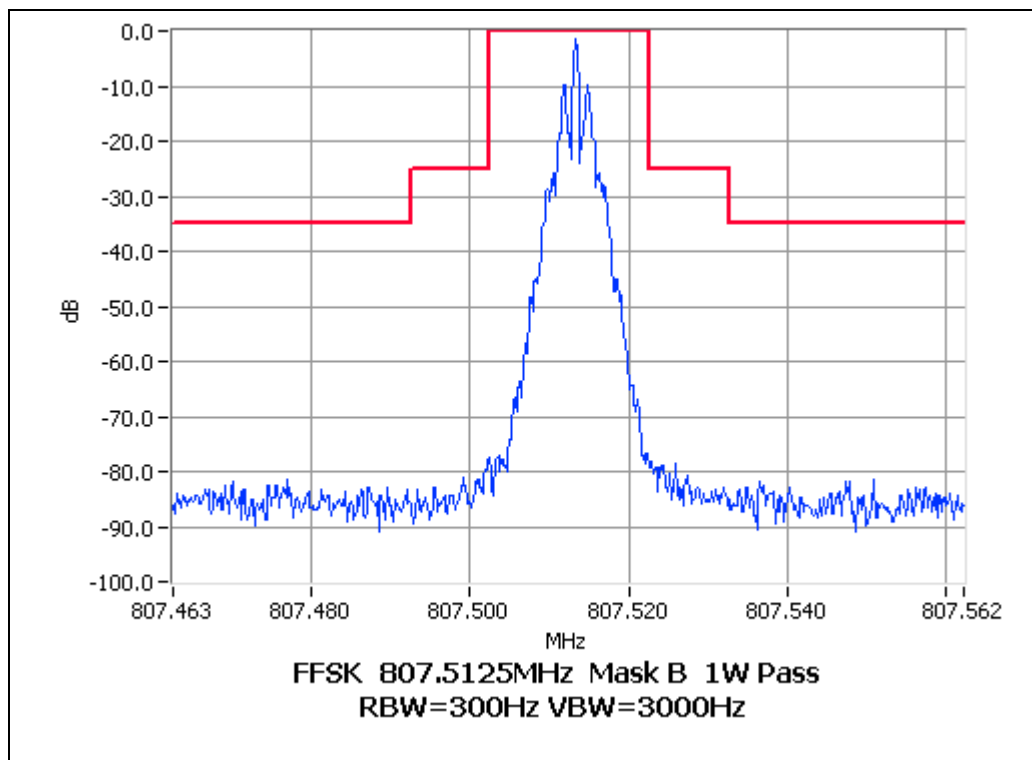
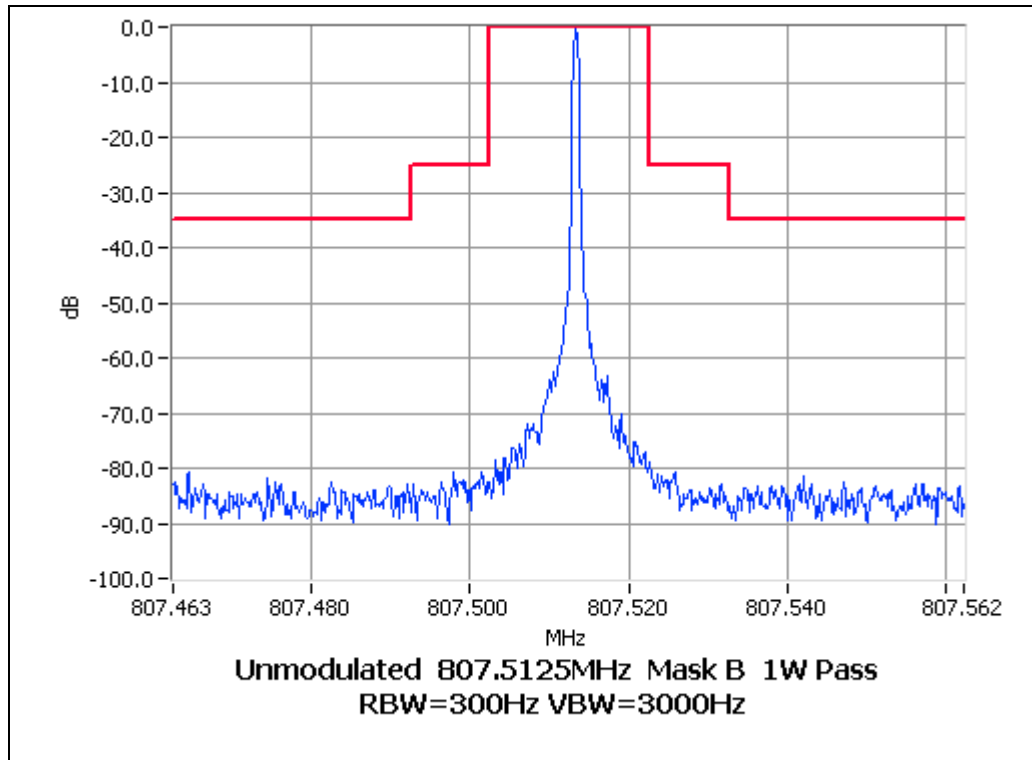


OCCUPIED BANDWIDTH

FFSK

SPECIFICATION: FCC CFR 2.1049 (c)

Tx FREQUENCY: 807.5125 MHz 1 W 12.5 kHz Channel Spacing

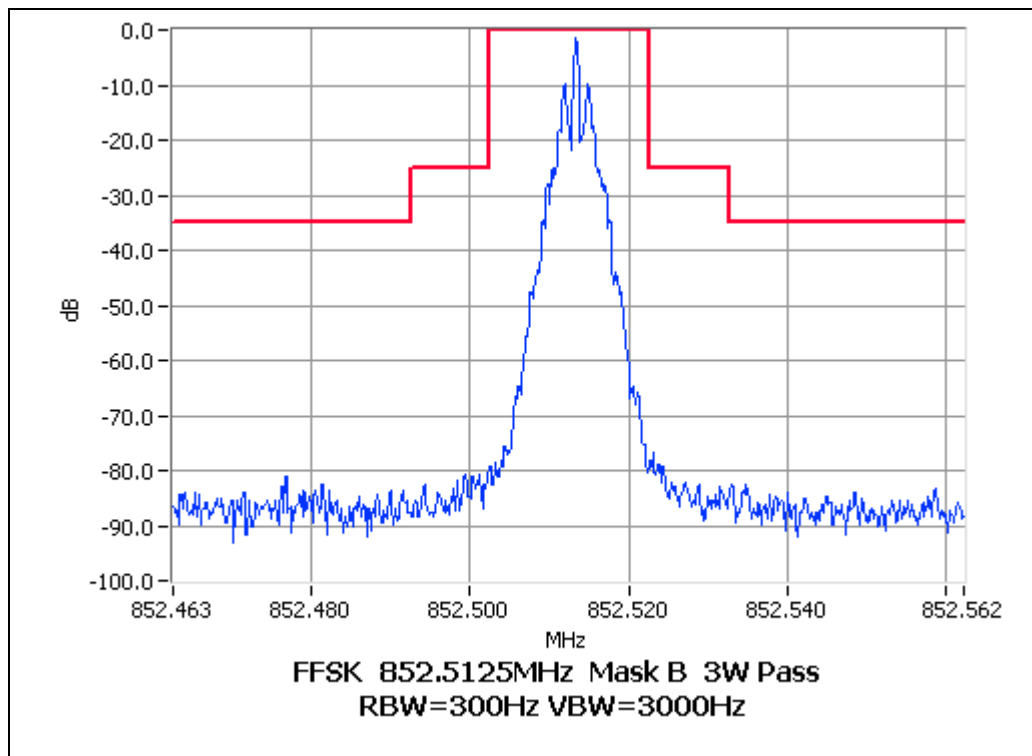
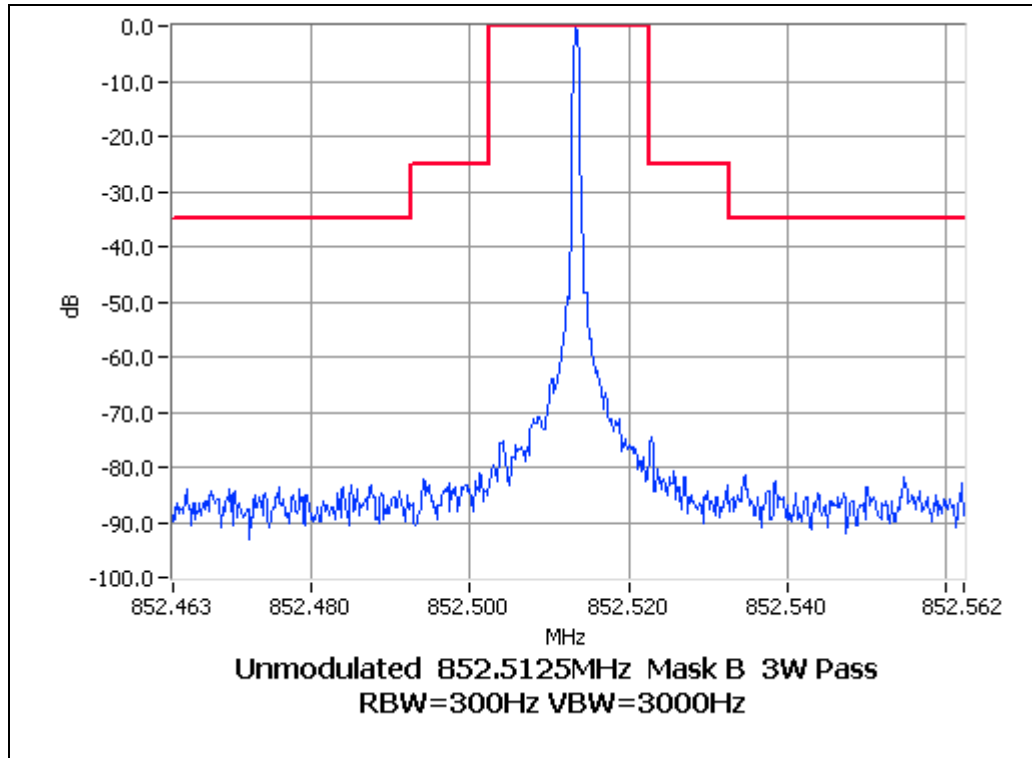


OCCUPIED BANDWIDTH

FFSK

SPECIFICATION: FCC CFR 2.1049 (c)

Tx FREQUENCY: 852.5125 MHz 3 W 12.5 kHz Channel Spacing

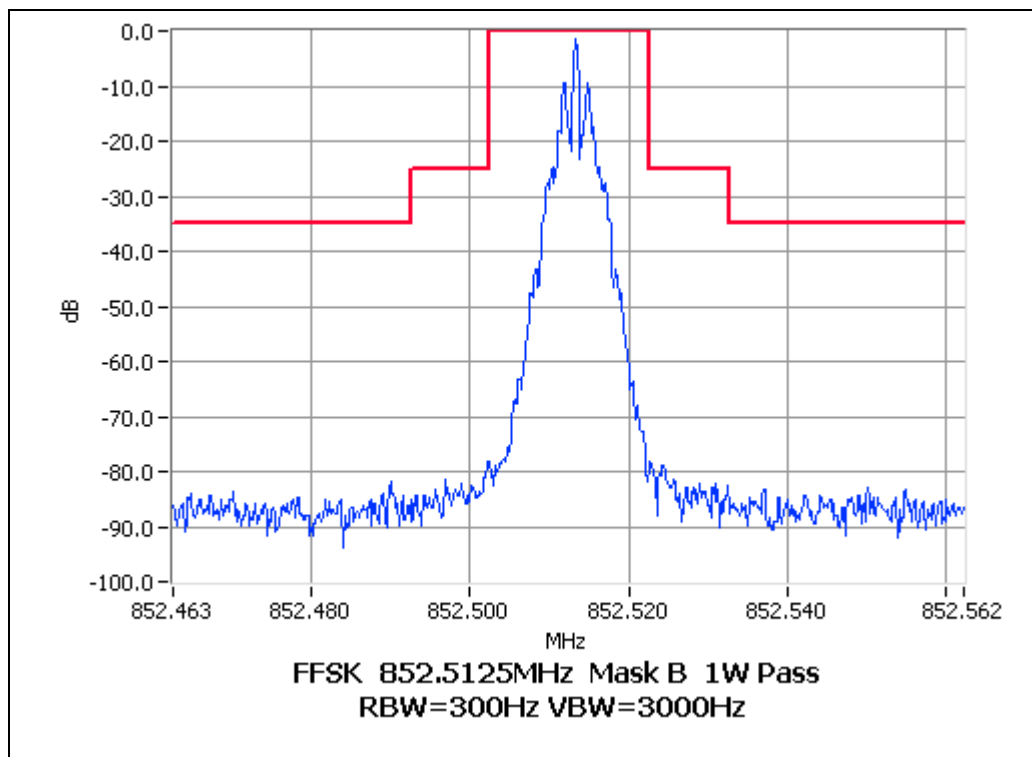
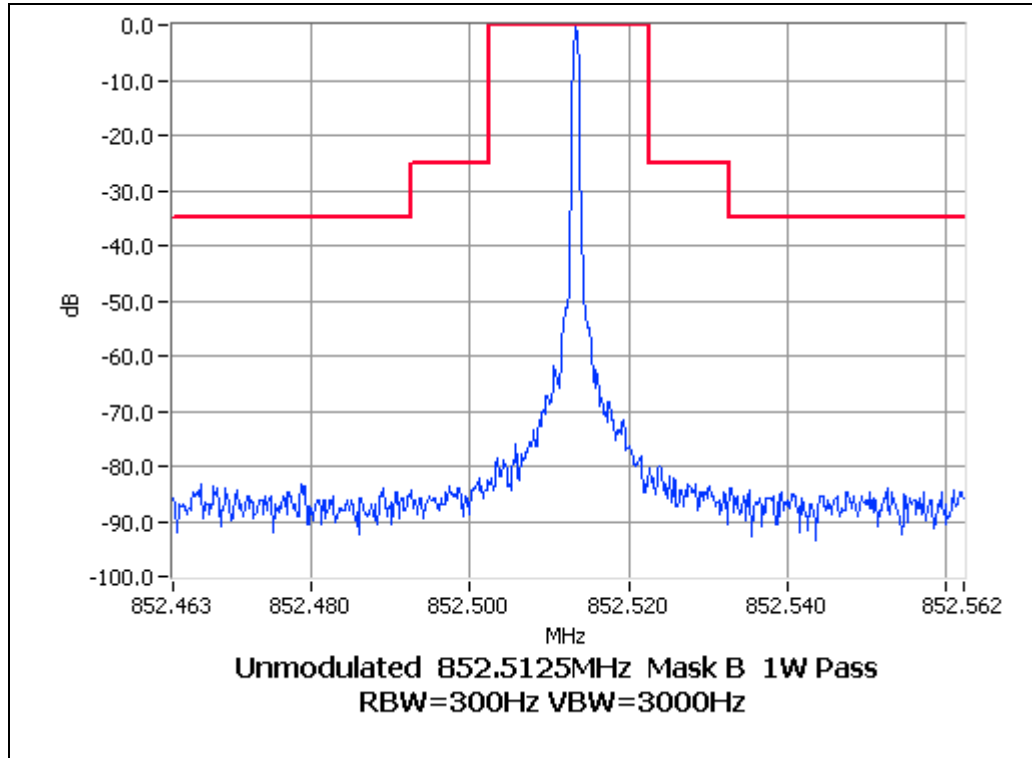


OCCUPIED BANDWIDTH

FFSK

SPECIFICATION: FCC CFR 2.1049 (c)

Tx FREQUENCY: 852.5125 MHz 1 W 12.5 kHz Channel Spacing

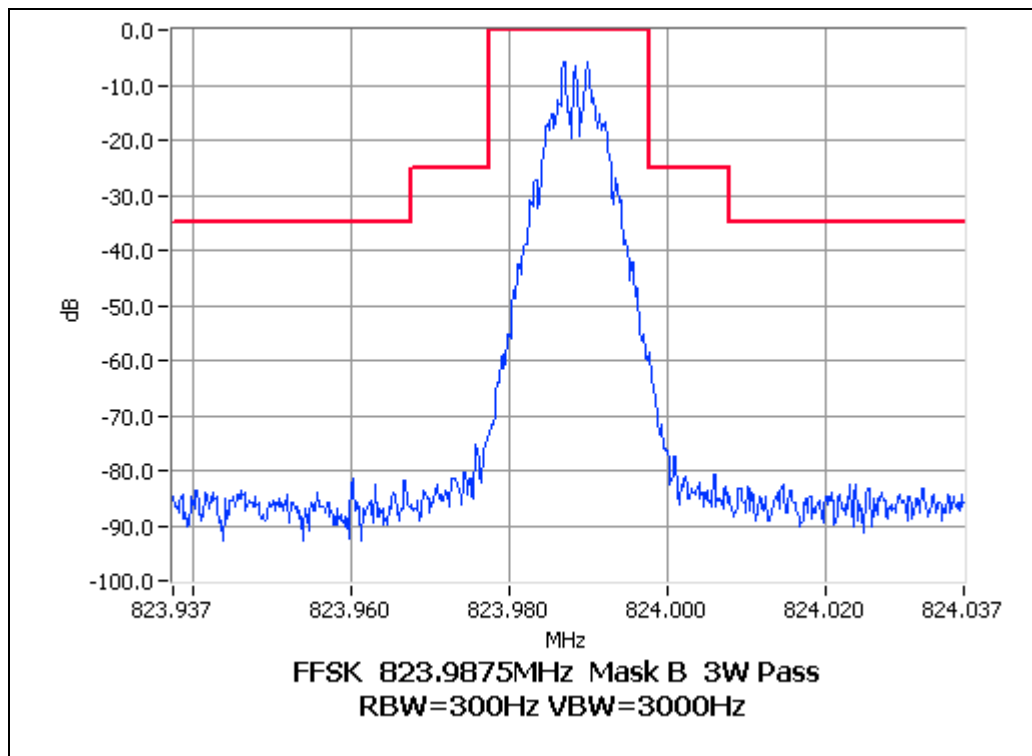
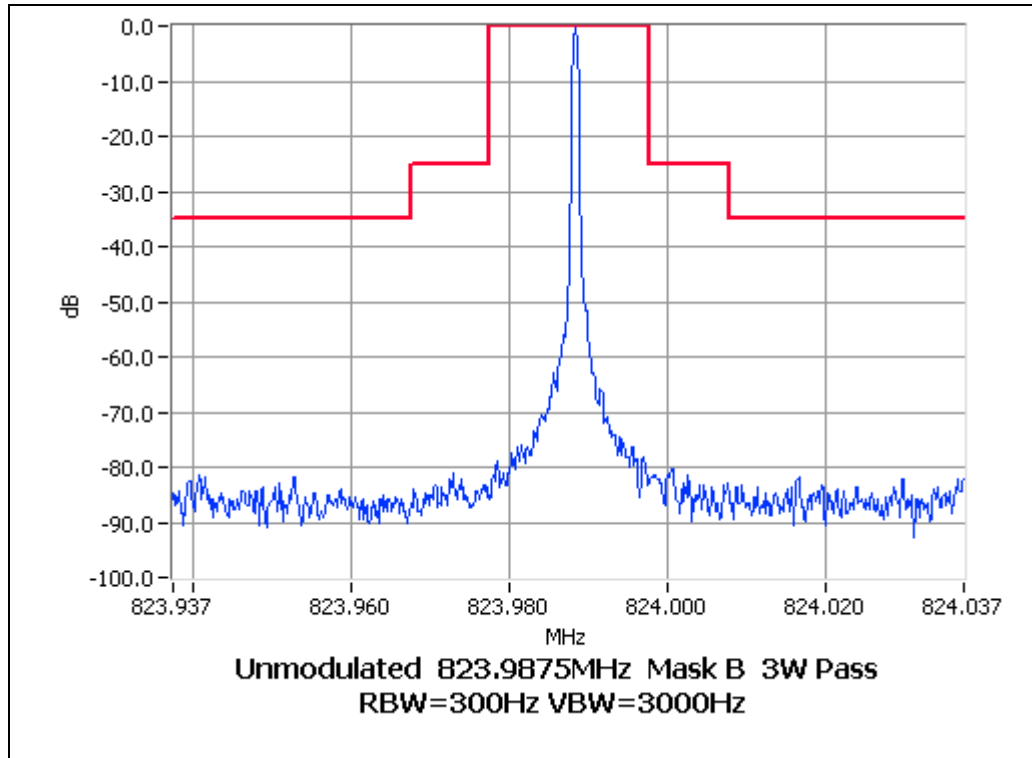


OCCUPIED BANDWIDTH

FFSK

SPECIFICATION: FCC CFR 2.1049 (c)

Tx FREQUENCY: 823.9875 MHz 3 W 25.0 kHz Channel Spacing

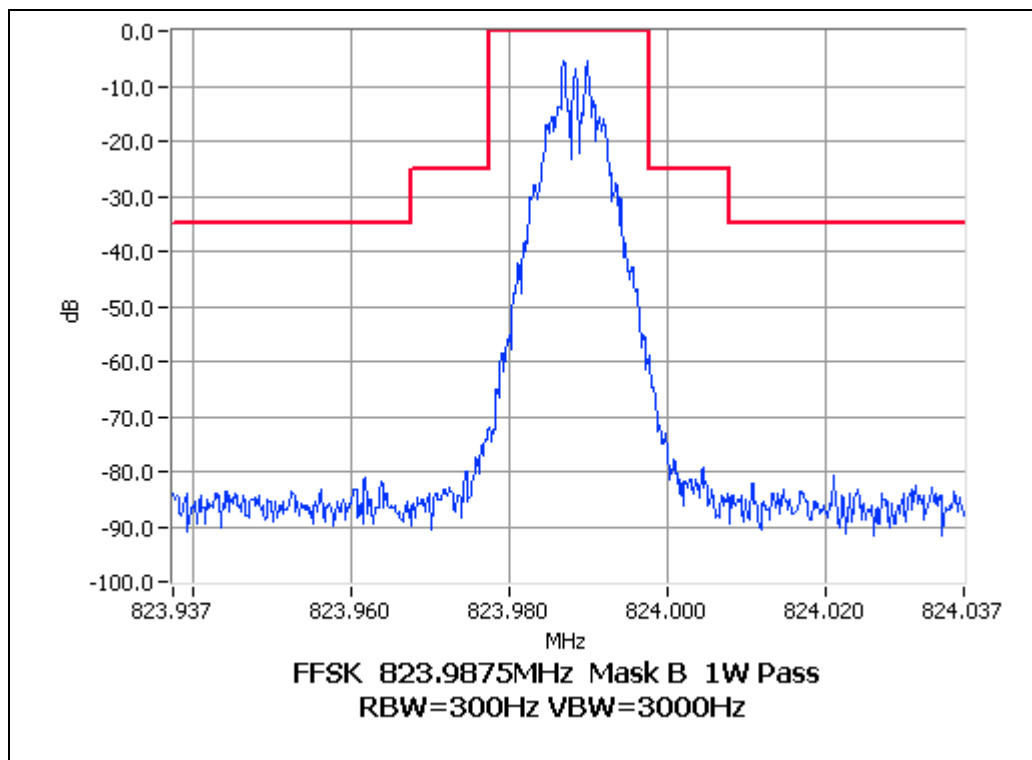
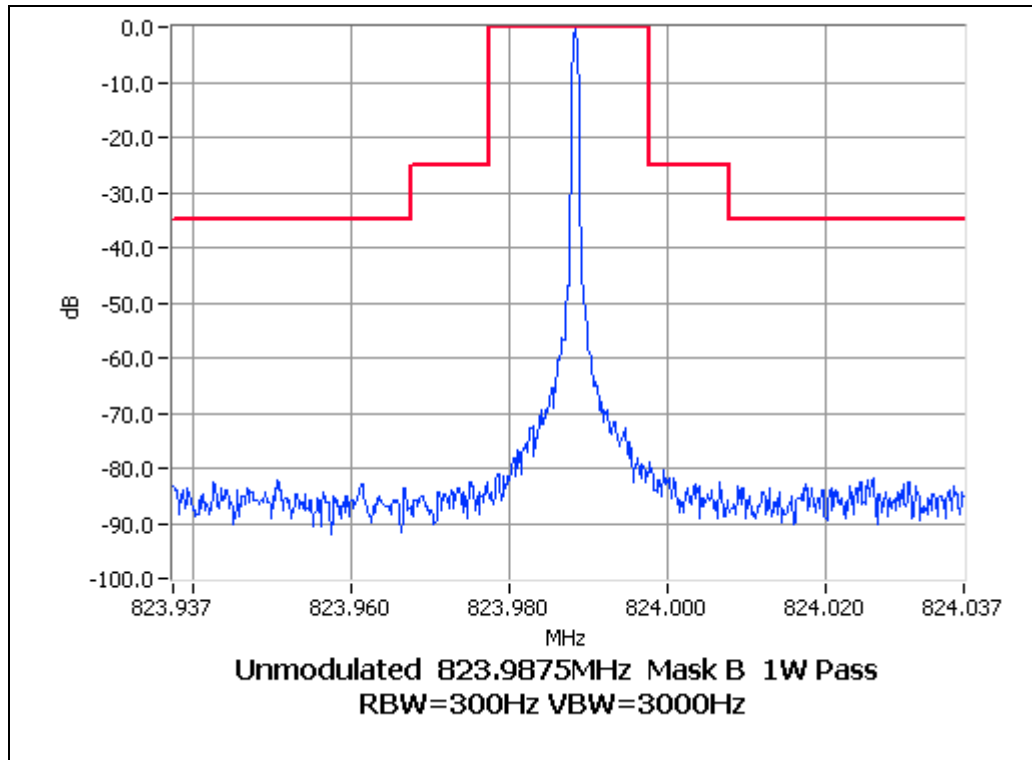


OCCUPIED BANDWIDTH

FFSK

SPECIFICATION: FCC CFR 2.1049 (c)

Tx FREQUENCY: 823.9875 MHz 1 W 25.0 kHz Channel Spacing

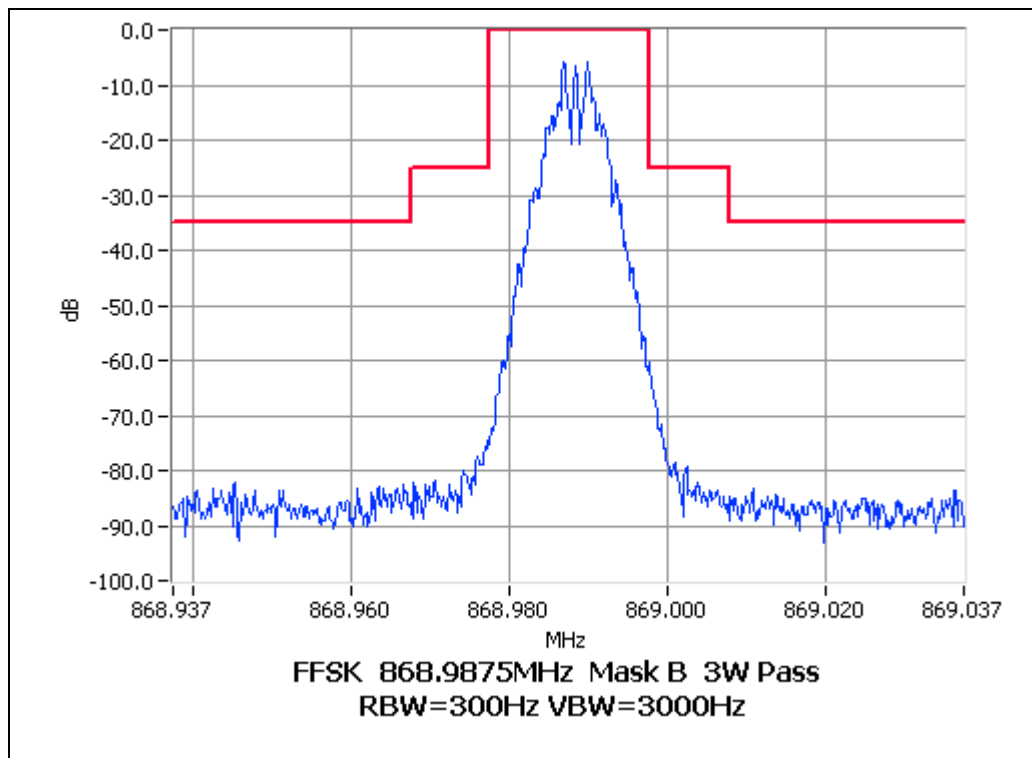
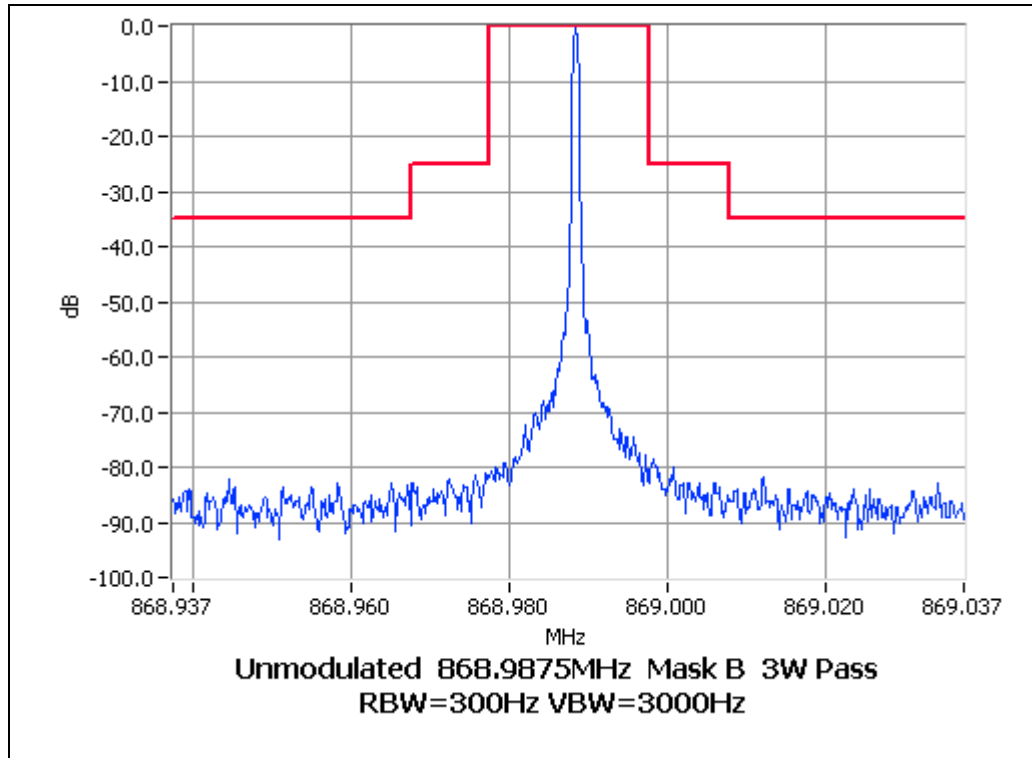


OCCUPIED BANDWIDTH

FFSK

SPECIFICATION: FCC CFR 2.1049 (c)

Tx FREQUENCY: 868.9875 MHz 3 W 25.0 kHz Channel Spacing

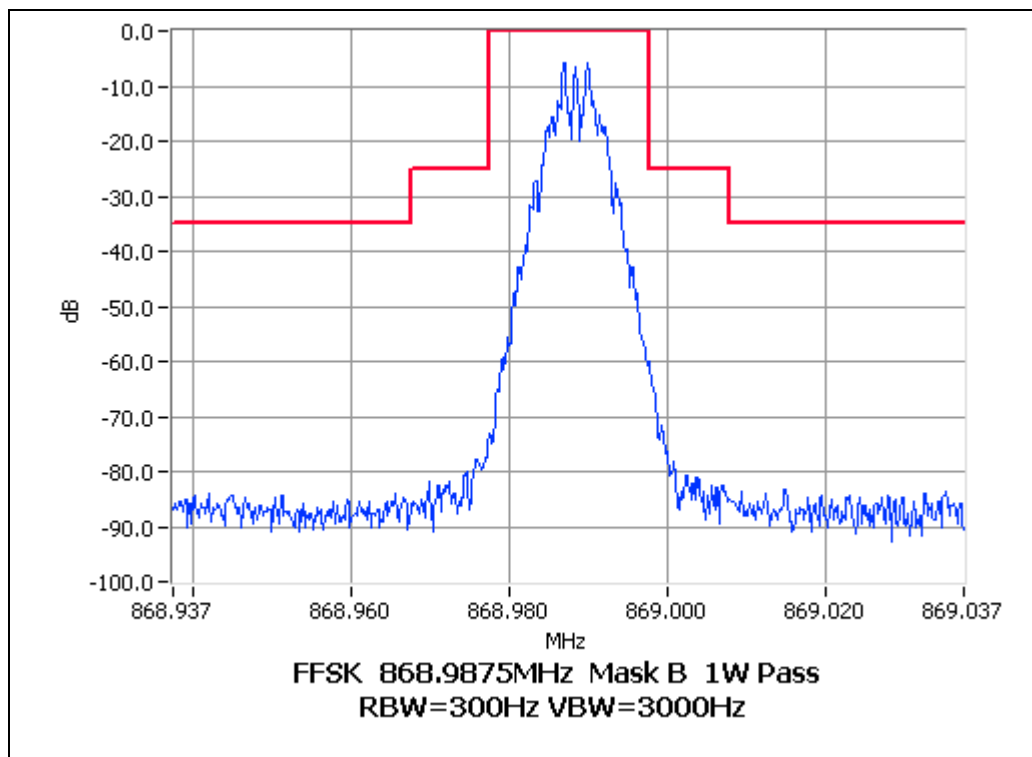
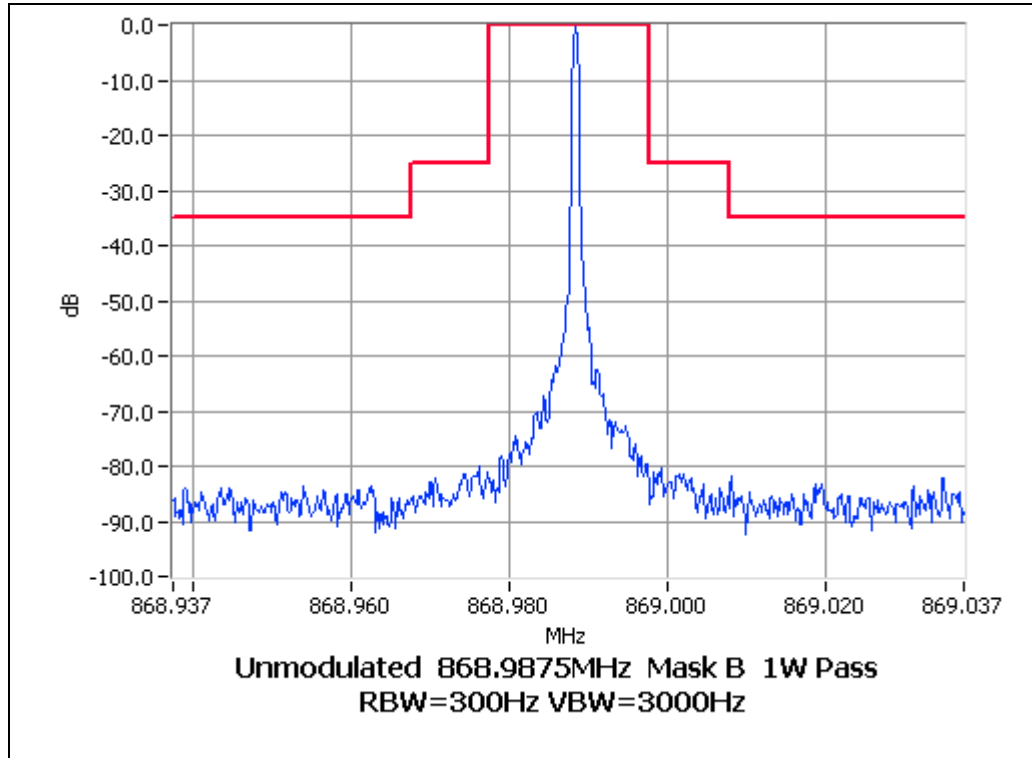


OCCUPIED BANDWIDTH

FFSK

SPECIFICATION: FCC CFR 2.1049 (c)

Tx FREQUENCY: 868.9875 MHz 1 W 25.0 kHz Channel Spacing



SPURIOUS EMISSIONS (CONDUCTED)

SPECIFICATION: FCC 47 CFR 2.1051

GUIDE: TIA/EIA-603C 2.2.13

MEASUREMENT PROCEDURE:

1. Refer Annex A for equipment set up.
2. The frequency range examined was from the lowest frequency generated within the EUT, to a frequency higher than the 10th Harmonic: 100kHz to Fc-BW
Fc+BW to 10Fc GHz
3. A Pre-scan is performed with a resolution bandwidth of 1 kHz, and a video bandwidth of 3 kHz. If any emissions are found to be within 20dB of the limit a second measurement is made with the carrier modulated, and a resolution bandwidth of 10 kHz, and a video bandwidth of 30 kHz.

Spurious emissions which were attenuated by more than 20 dB below the limit were not recorded.

MEASUREMENT RESULTS:

See the tables on the following pages for 12.5 & 25.0 kHz channel spacings.

LIMIT CLAUSE: FCC 47 CFR 90.210

SPURIOUS EMISSIONS (CONDUCTED)

SPECIFICATION: FCC CFR 2.1051

12.5 kHz Channel Spacing		807.5125 MHz @ 3 W	Emission Mask B
Emission Frequency (MHz)	Level (dBm)	Level (dBc)	
~	~	~	
12.5 kHz Channel Spacing		807.5125 MHz @ 1 W	Emission Mask B
Emission Frequency (MHz)	Level (dBm)	Level (dBc)	
~	~	~	
No emissions were detected at a level greater than 20 dB below the limit.			

12.5 kHz Channel Spacing		852.5125 MHz @ 3 W	Emission Mask B
Emission Frequency (MHz)	Level (dBm)	Level (dBc)	
~	~	~	
12.5 kHz Channel Spacing		852.5125 MHz @ 1 W	Emission Mask B
Emission Frequency (MHz)	Level (dBm)	Level (dBc)	
~	~	~	
No emissions were detected at a level greater than 20 dB below the limit.			

LIMITS:

Carrier Output Power Watts	Emission Mask B 12.5 kHz Channel Spacing $43 + 10 \text{ Log}_{10} (P_{\text{Watts}})$	
3 W	-13 dBm	47.8 dBc
1 W	-13 dBm	43.0 dBc

SPURIOUS EMISSIONS (CONDUCTED)

SPECIFICATION: FCC CFR 2.1051

25.0 kHz Channel Spacing		823.9875 MHz @ 3 W	Emission Mask B
Emission Frequency (MHz)	Level (dBm)	Level (dBc)	
~	~	~	
25.0 kHz Channel Spacing		823.9875 MHz @ 1 W	Emission Mask B
Emission Frequency (MHz)	Level (dBm)	Level (dBc)	
~	~	~	
No emissions were detected at a level greater than 20 dB below the limit.			

25.0 kHz Channel Spacing		868.9875 MHz @ 3 W	Emission Mask B
Emission Frequency (MHz)	Level (dBm)	Level (dBc)	
~	~	~	
25.0 kHz Channel Spacing		868.9875 MHz @ 1 W	Emission Mask B
Emission Frequency (MHz)	Level (dBm)	Level (dBc)	
~	~	~	
No emissions were detected at a level greater than 20 dB below the limit.			

LIMITS:

Carrier Output Power Watts	Emission Mask B 25.0 kHz Channel Spacing $43 + 10 \text{ Log}_{10} (P_{\text{Watts}})$	
3 W	-13 dBm	47.8 dBc
1 W	-13 dBm	43.0 dBc

SPURIOUS EMISSIONS (RADIATED)

SPECIFICATION: FCC 47 CFR 2.1053

GUIDE: TIA/EIA-603C 2.2.12

MEASUREMENT PROCEDURE:

Initial Scan:

1. The EUT is placed in the S-Line TEM cell and emissions are measured from 30MHz to 1000MHz. Any emission within 10dB of the limit is then re-tested on the OATS along with measurements from 1000MHz to the 10th harmonic of the fundamental frequency.
2. The EUT is then placed on a wooden turntable at a distance of 0.5 metres from the test antenna and emissions are measured from 1000MHz to the upper frequency required. Any emission within 10 dB of the limit is then re-tested on the OATS.

OATS Measurement:

1. The EUT is placed on a wooden turntable at a distance of three metres from the test antenna. The output terminal is connected to an RF dummy load.
2. The test antenna is raised from 1m to 4m to obtain a maximum reading, the turntable is then rotated through 360° to obtain the maximum response of each spurious emission. Valid emissions are determined by switching the EUT on and off.
3. The EUT is then replaced by a signal generator and substitution antenna to make measurements by the substitution method.

MEASUREMENT RESULTS:

See the tables on the following pages

LIMIT CLAUSE: FCC 47 CFR 90.210

SPURIOUS EMISSIONS (RADIATED)

SPECIFICATION: FCC CFR 2.1053

12.5 kHz Channel Spacing		807.5125 MHz @ 3 W	Emission Mask B
Emission Frequency (MHz)	Level (dBm)	Level (dBc)	
~	~	~	
12.5 kHz Channel Spacing		807.5125 MHz @ 1 W	Emission Mask B
Emission Frequency (MHz)	Level (dBm)	Level (dBc)	
~	~	~	
No emissions were detected at a level greater than 10 dB below the limit.			

12.5 kHz Channel Spacing		852.5125 MHz @ 3 W	Emission Mask B
Emission Frequency (MHz)	Level (dBm)	Level (dBc)	
~	~	~	
12.5 kHz Channel Spacing		852.5125 MHz @ 1 W	Emission Mask B
Emission Frequency (MHz)	Level (dBm)	Level (dBc)	
~	~	~	
No emissions were detected at a level greater than 10 dB below the limit.			

LIMITS:

Carrier Output Power Watts	Emission Mask B 12.5 kHz Channel Spacing $43 + 10 \text{ Log}_{10} (P_{\text{Watts}})$	
3 W	-13 dBm	47.8 dBc
1 W	-13 dBm	43.0 dBc

SPURIOUS EMISSIONS (RADIATED)

SPECIFICATION: FCC CFR 2.1053

25.0 kHz Channel Spacing		823.9875 MHz @ 3 W	Emission Mask B
Emission Frequency (MHz)	Level (dBm)	Level (dBc)	
~	~	~	
25.0 kHz Channel Spacing		823.9875 MHz @ 1 W	Emission Mask B
Emission Frequency (MHz)	Level (dBm)	Level (dBc)	
~	~	~	
No emissions were detected at a level greater than 10 dB below the limit.			

25.0 kHz Channel Spacing		868.9875 MHz @ 3 W	Emission Mask B
Emission Frequency (MHz)	Level (dBm)	Level (dBc)	
~	~	~	
25.0 kHz Channel Spacing		868.9875 MHz @ 1 W	Emission Mask B
Emission Frequency (MHz)	Level (dBm)	Level (dBc)	
~	~	~	
No emissions were detected at a level greater than 10 dB below the limit.			

LIMITS:

Carrier Output Power Watts	Emission Mask B 25.0 kHz Channel Spacing $43 + 10 \text{ Log}_{10} (P_{\text{Watts}})$	
3 W	-13 dBm	47.8 dBc
1 W	-13 dBm	43.0 dBc

TRANSMITTER FREQUENCY STABILITY (TEMPERATURE)

SPECIFICATION: FCC 47 CFR 2.1055 (a) (1)

GUIDE: TIA/EIA-603C 2.2.2

MEASUREMENT PROCEDURE:

1. Refer Annex A for equipment set up.
2. The EUT was tested for frequency error from -30 °C to +50°C in 10 °C increments
3. The frequency error was recorded in parts per million (ppm).

MEASUREMENT RESULTS:

See the plots on the following pages for 12.5 kHz & 25.0 kHz channel spacings.

LIMIT CLAUSE: FCC 47 CFR 90.213

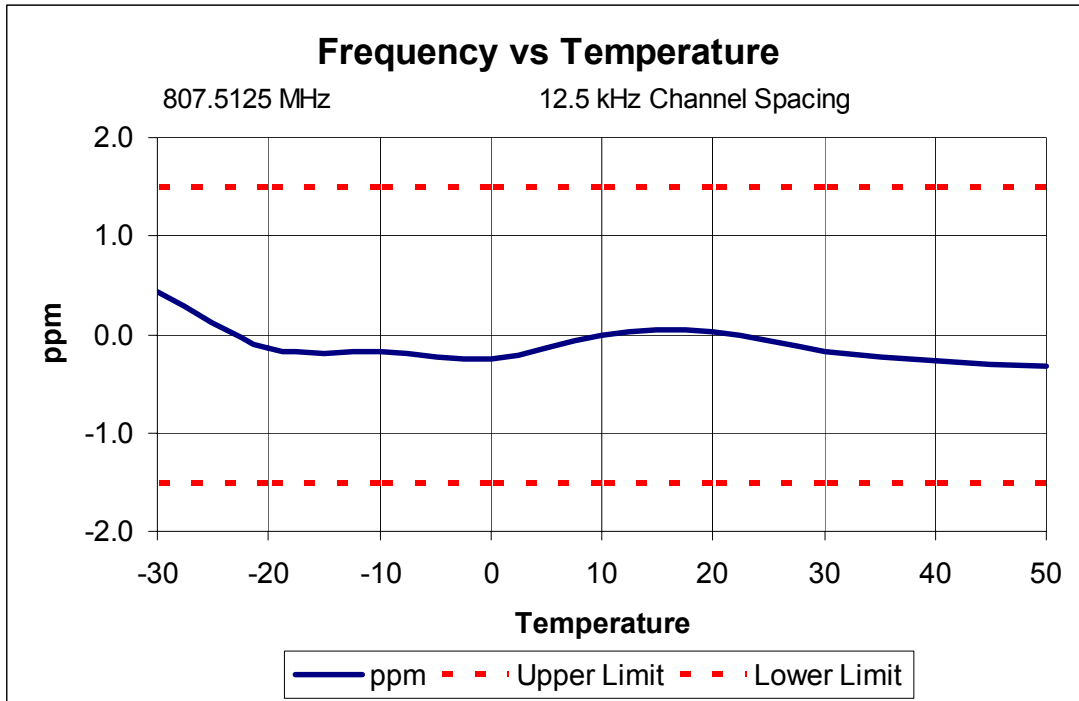
Frequency Range: 806 MHz ~ 824 MHz
851 MHz ~ 869 MHz

Frequency	Channel Spacing (kHz)	Frequency Error (ppm)
807.5125 MHz	12.5	1.5
852.5125 MHz	12.5	1.5
823.9875 MHz	25.0	2.5
868.9875 MHz	25.0	2.5

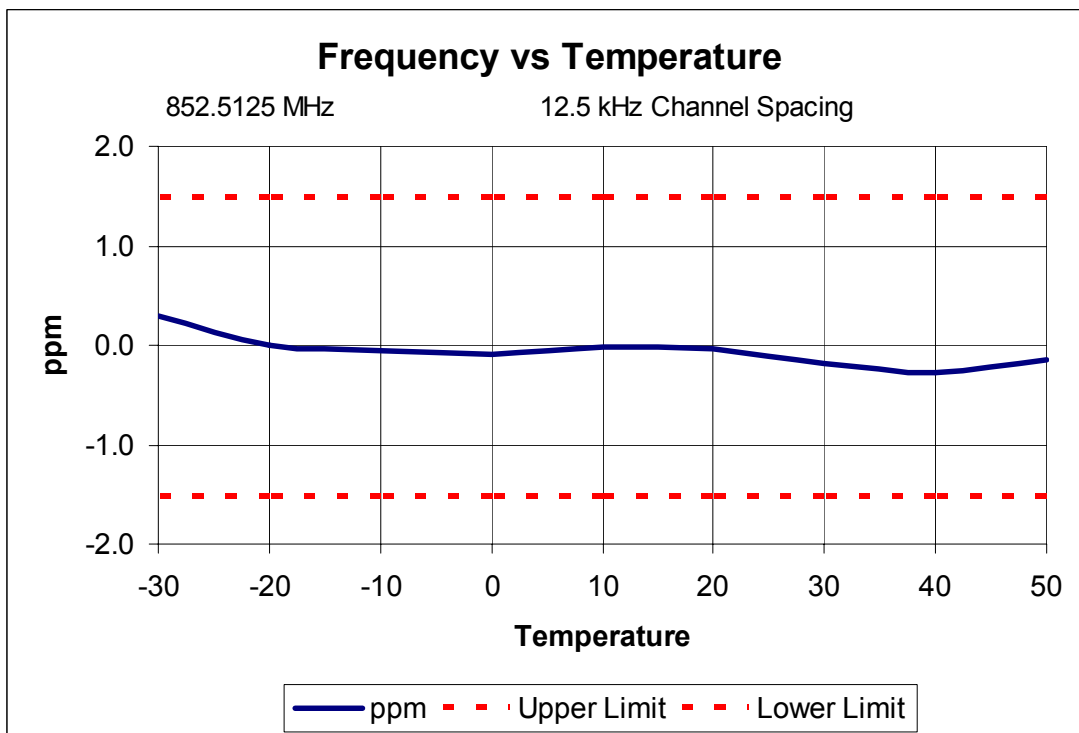
TRANSMITTER FREQUENCY STABILITY (TEMPERATURE)

SPECIFICATION: FCC 47 CFR 2.1055 (a) (1)

Tx FREQUENCY: 807.5125 MHz 3 W 12.5 kHz channel Spacing



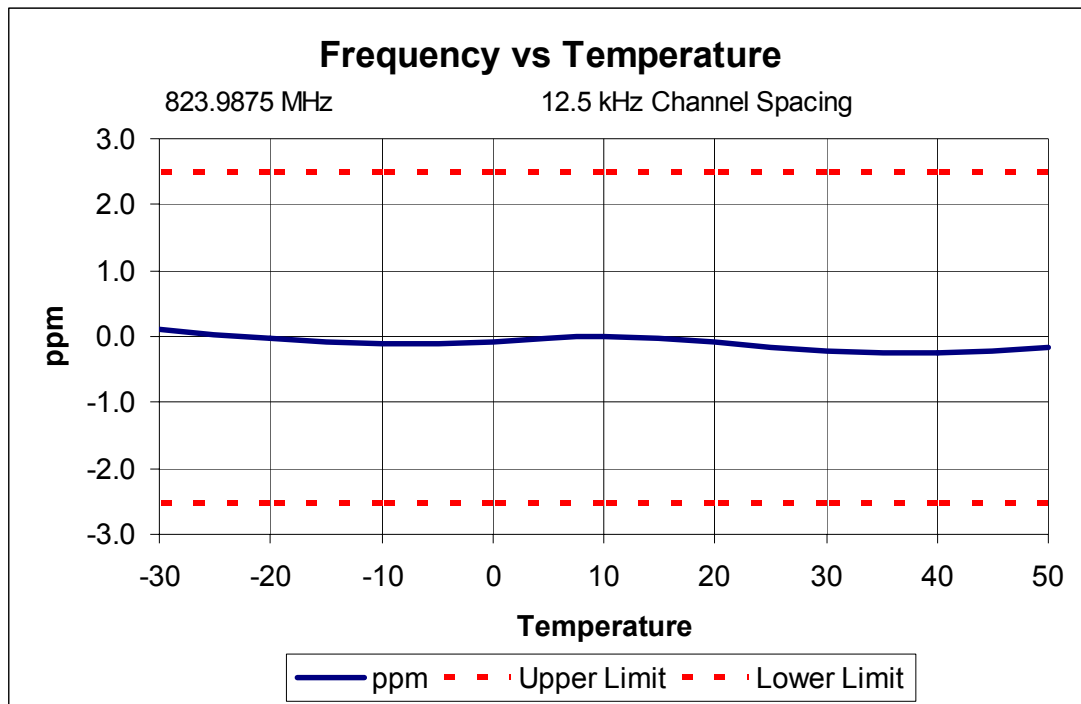
Tx FREQUENCY: 852.5125 MHz 3 W 12.5 kHz channel Spacing



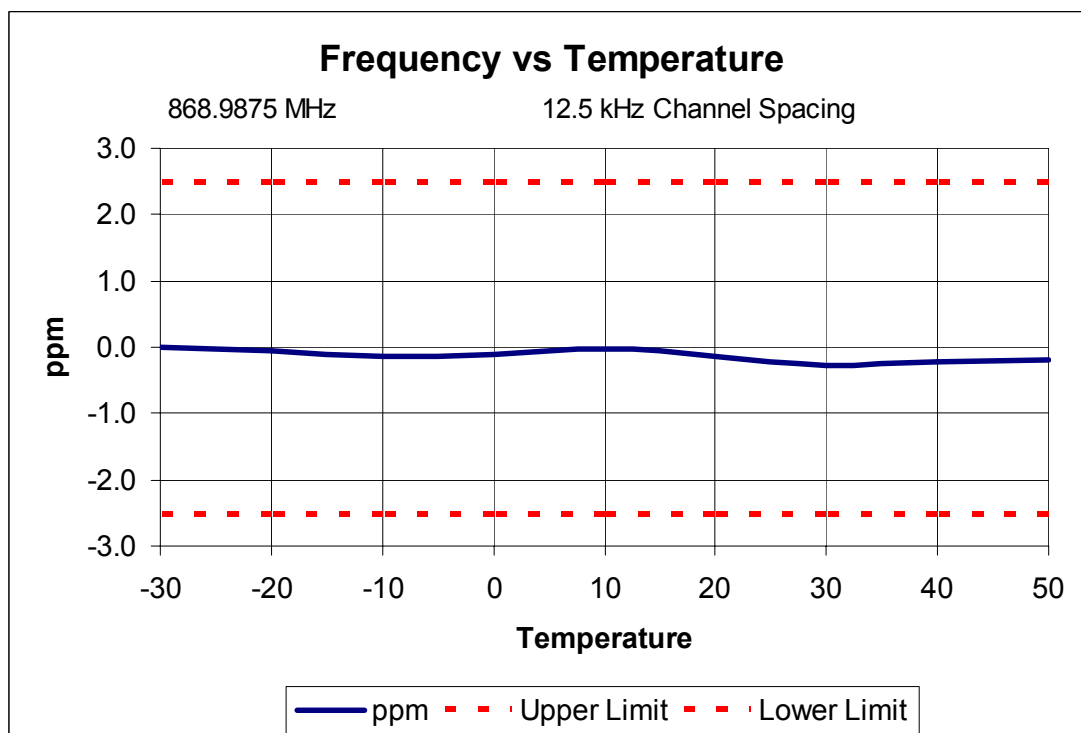
TRANSMITTER FREQUENCY STABILITY (TEMPERATURE)

SPECIFICATION: FCC 47 CFR 2.1055 (a) (1)

Tx FREQUENCY: 823.9875 MHz 3 W 25.0 kHz channel Spacing



Tx FREQUENCY: 868.9875 MHz 3 W 25.0 kHz channel Spacing



TRANSMITTER FREQUENCY STABILITY (VOLTAGE)

SPECIFICATION: FCC 47 CFR 2.1055 (d) (1)

GUIDE: TIA/EIA-603C 2.2.2

MEASUREMENT PROCEDURE:

1. Refer Annex A for equipment set up.
2. The EUT was tested for frequency error at an input voltage to the radio of nominal and battery endpoint..
3. The frequency error was recorded in parts per million (ppm).

MEASUREMENT RESULTS: Frequency Range: 806 MHz ~ 824 MHz
851 MHz ~ 869 MHz

Voltage	FREQUENCY ERROR (ppm) for 12.5 kHz	
	807.5125 MHz	852.5125 MHz
7.5 V _{DC}	-0.20	-0.17
6.0 V _{DC}	-0.08	-0.18
V _{DC}	~	~

Voltage	FREQUENCY ERROR (ppm) for 25.0 kHz	
	823.9875 MHz	868.9875 MHz
7.5 V _{DC}	-0.20	-0.25
6.0 V _{DC}	-0.21	-0.24
V _{DC}	~	~

LIMIT CLAUSE: FCC 47 CFR 90.213

Frequency	Channel Spacing (kHz)	Frequency Error (ppm)
807.5125 MHz	12.5	1.5
852.5125 MHz	12.5	1.5
823.9875 MHz	25.0	2.5
868.9875 MHz	25.0	2.5

TELTEST Laboratories
Tait Electronics Limited
Report Number 2947

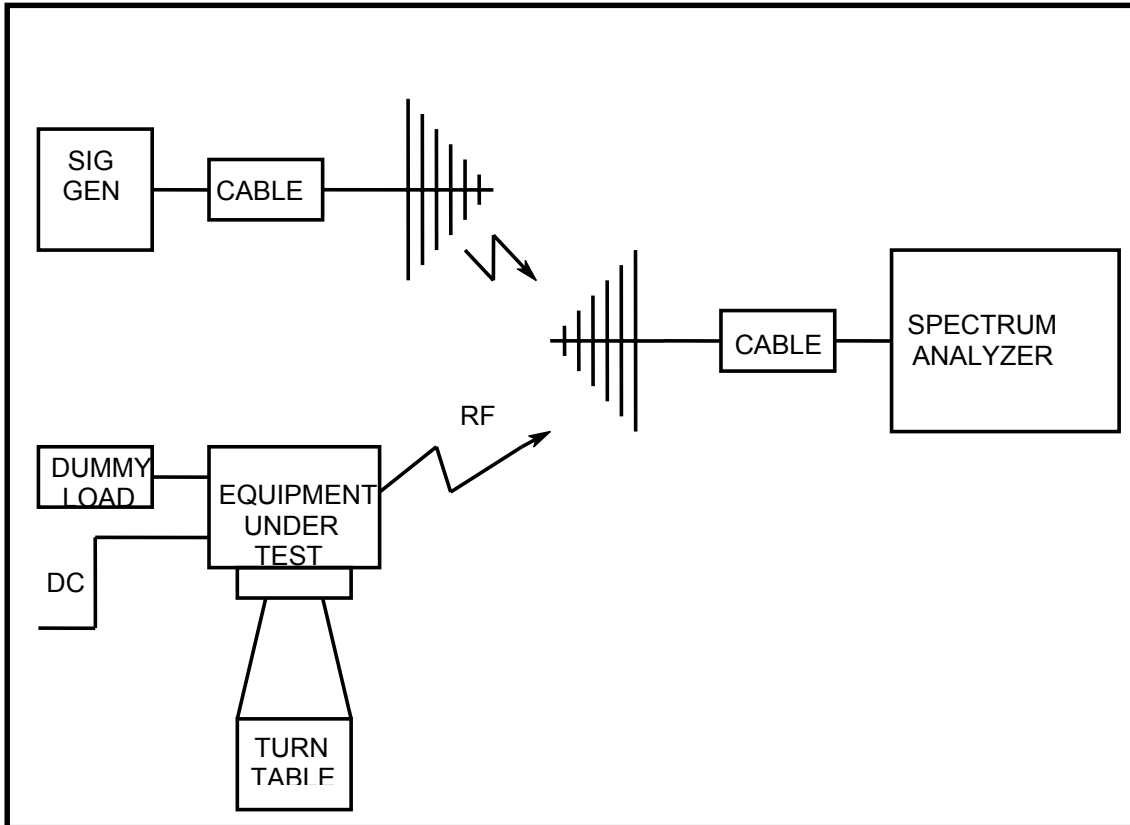
TEST EQUIPMENT USED

No#	Equipment	Manufacturer	Model No	Serial No#	Tait ID	Cal Due
1	Signal Generator	Hewlett Packard	HP8642B (Opt 001)	2512A00176	E3064	25-Nov-09
11	Modulation Analyser	Hewlett Packard	HP8901B (Opt 002)	2441A00393	E3073	26-Nov-09
13	Audio Analyser	Hewlett Packard	HP8903A	2308A02597	E3074	26-Nov-09
40	Reference Dipoles	Emco	3121C DB1	9510-1164	E3559	23-Nov-09
42	Reference Horn Antenna	Emco	DRG3115	9512-4638	E3560	16-Nov-09
46	S-LINE TEM CELL	Rohde & Schwarz	1089.9296.02	338232/003	E3636	20-Mar-09
52	Amplifier +21.7 dB	Tait	ZFL-1000LN	E3660	E3360	
64	RF Attenuator 50W	Weinschel	24-10-34	AZ0401	E3388	27-Nov-09
66	RF Attenuator 25W	Weinschel	33-20-33	BD5871	E3673	25-Nov-09
71	RF Load 50W	Weinschel	F1426	BF0487	E3675	29-Nov-09
81	2m Coax S-Line (Black1)	Intelcom	RG213/U-50	Black1	E3658	27-Nov-09
82	1m Coax Cable BLUE)	Suhner	Sucoflex 104A	44610/4A	E4619	24-Nov-09
83	2m Coax (Black2)	Suhner	RG214HF/Nm/Nm/2000	Black2	E4623	24-Nov-09
84	2m Coax (Black3)	Suhner	RG214HF/Nm/Nm/2000	Black2	E4624	24-Nov-09
85	3m Coax Cable (BLUE)	Suhner	Sucoflex 104A	44611/4A	E4620	24-Nov-09
88	Spectrum Analyser	Hewlett Packard	HP8562E	3821A00779	E3715	25-Nov-09
115	Environ. Chamber	Contherm	5400 RHSLT.M	1416	E4051	12-Jul-12
123	Spectrum Analyser	Agilent	E4445A	MY42510072	E4139	07-Aug-09
127	OATS Tower Cable	Intelcom	RG214	OATS1	E4621	03-Dec-09
128	OATS Turntable Cable	Intelcom	RG215	OATS2	E4622	03-Dec-09
129	Antenna Tower	Electrometrics	EM-4720-2	112	E4447	
130	Controller	Electrometrics	EM-4700	119	E4445	
131	Turntable	Electrometrics	EM-4704A	105	E4446	
149	Log Periodic Antenna	Schwarzbeck	VUSLP	9111-219	E4617	

ANNEX A

TEST SETUP DETAILS

Radiated Emissions Set up.



TELTEST Laboratories
Tait Electronics Limited
Report Number 2947

All other testing is performed using the Teltest **R**adio **E**VALuation system (TREVA), which is configured as shown below. The Spectrum Analyser is connected to the EUT via the attenuator network for Conducted Emissions testing, and Occupied Bandwidth.

