

Occupied Bandwidth Test Setup

FCC Part 24.133

FCC Part 90.210

MOBI_EVT4

Test Conditions:

MOBI_EVT4 was cabled into the spectrum analyzer through an SMA 30 dB PAD. The amplitude setting on the spectrum analyzer was set to +10dBm. Both the Resolution and Video Bandwidths on the spectrum analyzer were set to 300Hz. All measurements were performed with the spectrum analyzer in peak detect mode. The limit line emission mask programmed into the spectrum analyzer was referenced to +3dBm (+30 dB PAD = +33 dBm). Each plot shows both a pseudo random modulated signal and an un-modulated carrier signal.

FCC Part 90:

The occupied bandwidth was measured at three frequencies, Lower (896 MHz), Middle (898.5 MHz), and Upper (901 MHz). A total of six plots were taken; two plots were taken at all three frequencies, one with a span of 60 kHz, and the other with a span of 150 kHz.

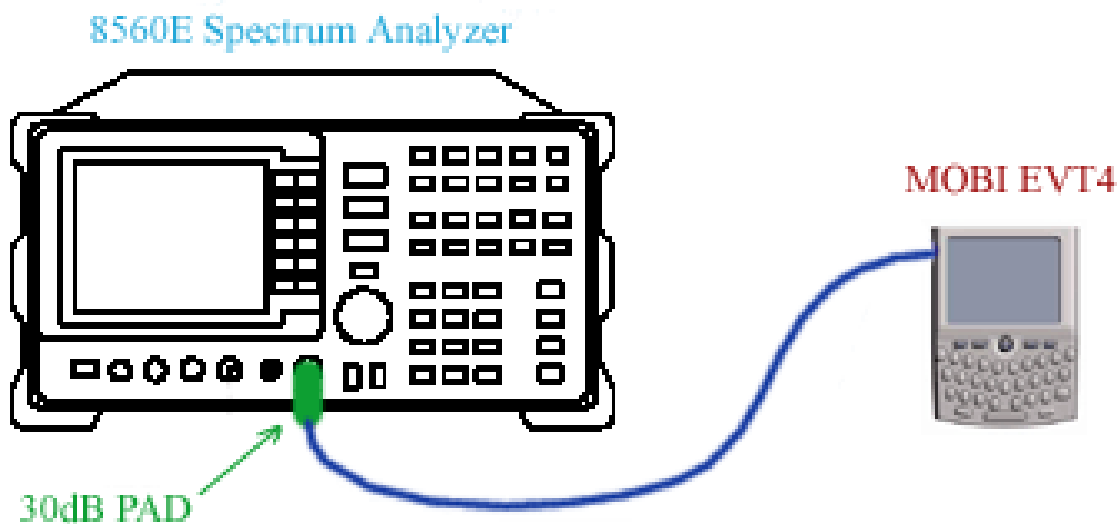
FCC Part 24:

The occupied bandwidth was measured at one frequency, 901.5 MHz. Video averaging was enabled on the spectrum analyzer and set to average 5 sweeps. Two plots were taken, one with a span of 60 kHz, and the other with a span of 150 kHz.

Test Equipment:

1. Spectrum Analyzer, Agilent, Model No: 8650E.
2. 30dB SMA Coaxial Attenuator, Mini-circuits, Model No: BW-S30W2.

Test Setup:



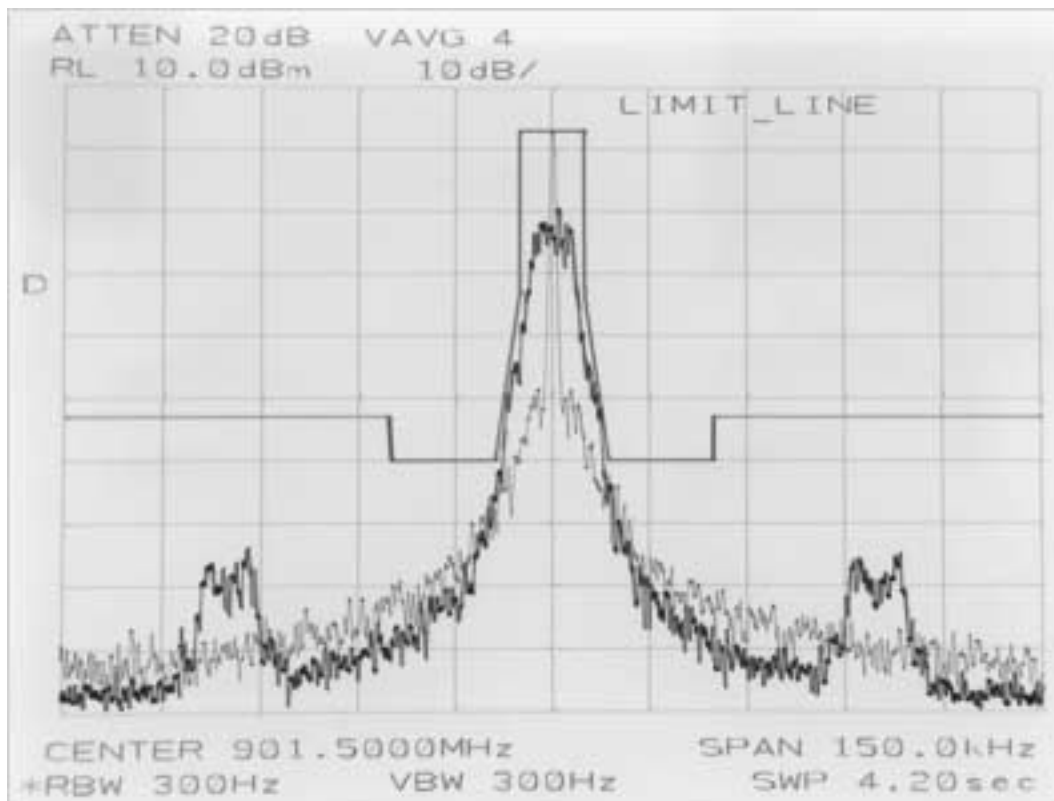
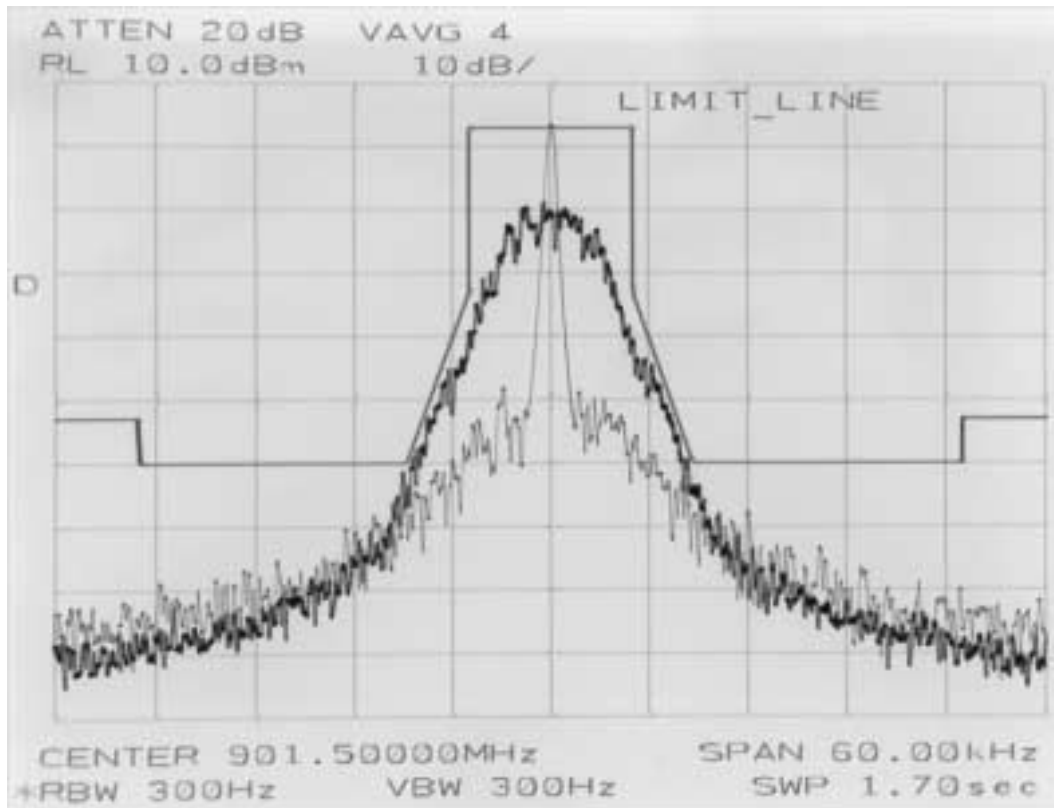
***FCC Parts 24.131 & 24.133
Occupied Bandwidth
MOBI_EVT4***

S/N: JW020800123

Limit Line Emission Mask Setup on Spectrum Analyzer

LIMIT LINE				
SEG	FREQ	UPPER	LOWER	TYPE
#	(MHz)	(dB)	(dB)	
1	-1.0000	-53.0	-175.0	SLP
2	-.0250	-53.0	-175.0	SLP
3	-.0250	-60.0	-175.0	SLP
4	-.0087	-60.0	-175.0	SLP
5	-.0050	-33.0	-175.0	SLP
6	-.0050	-7.0	-175.0	SLP
7	0.0050	-7.0	-175.0	SLP
8	0.0050	-33.0	-175.0	SLP
9	0.0087	-60.0	-175.0	SLP
10	0.0250	-60.0	-175.0	SLP
11	0.0250	-53.0	-175.0	SLP
12	1.0000	-53.0	-175.0	SLP
->13				
SELECT SEGMENT NUMBER : 13				

MOBI_EVT4 S/N: JW020800123



***FCC Part 90.210 Emission Mask J
Occupied Bandwidth
MOBI_EVT4***

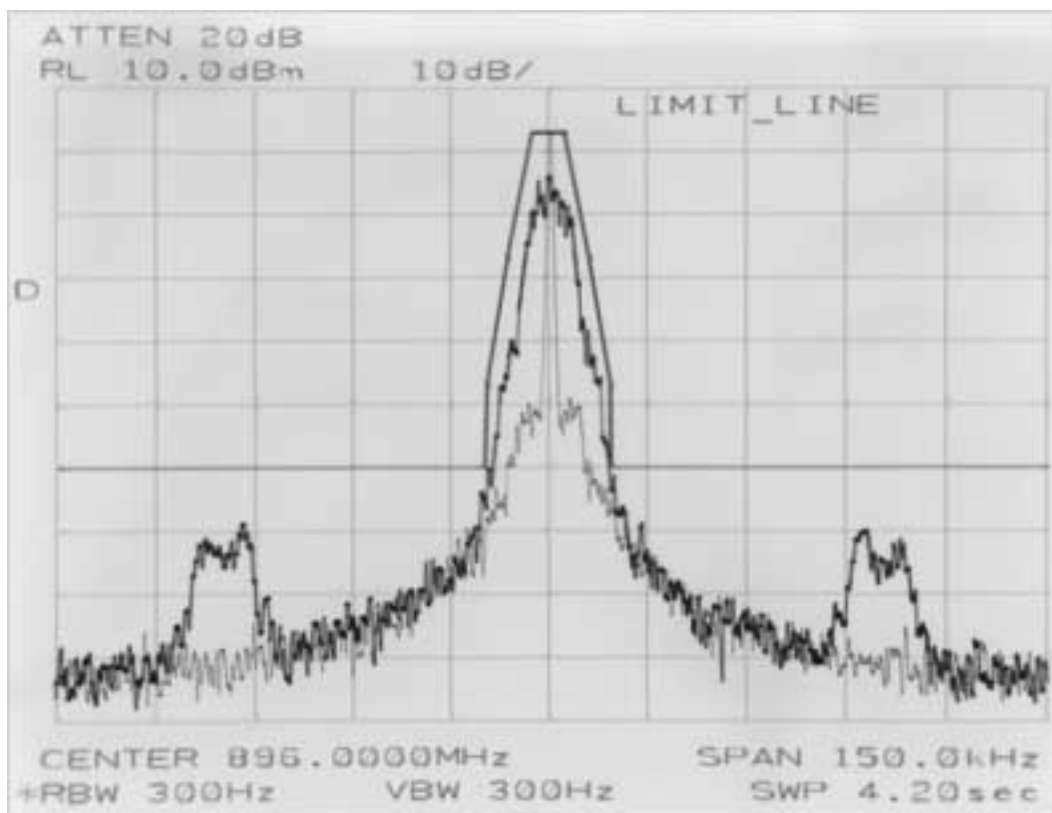
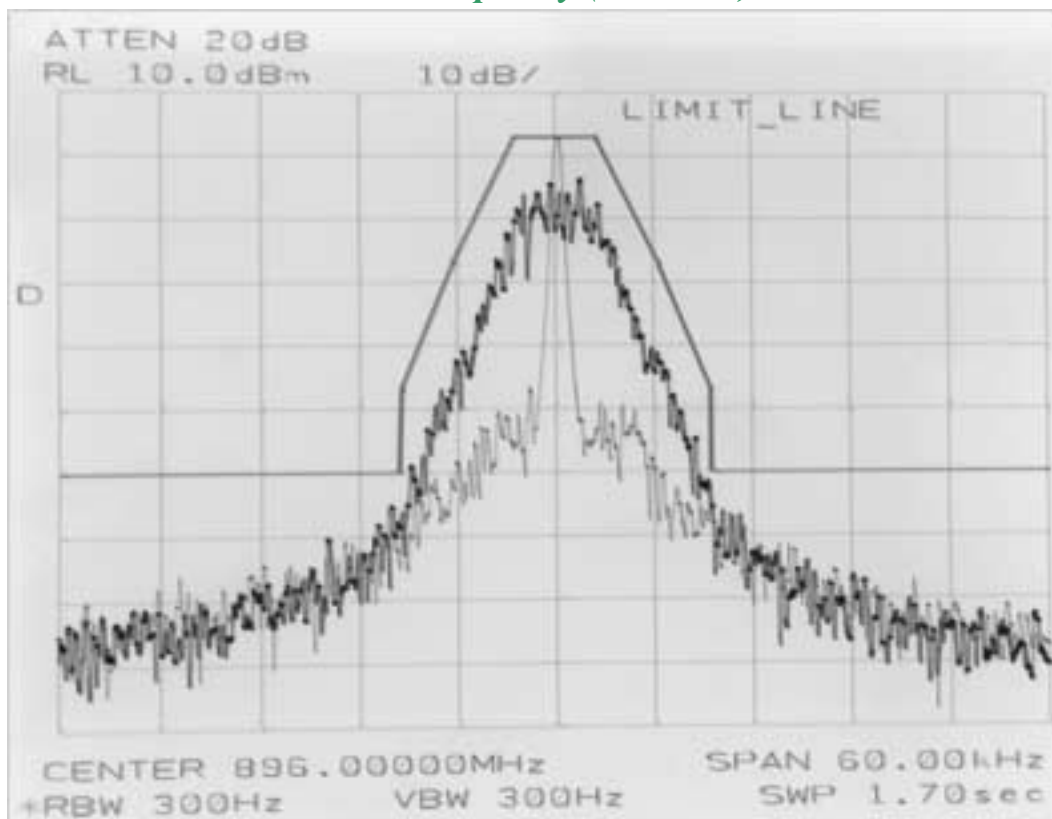
S/N: JW020800123

Limit Line Emission Mask Setup on Spectrum Analyzer

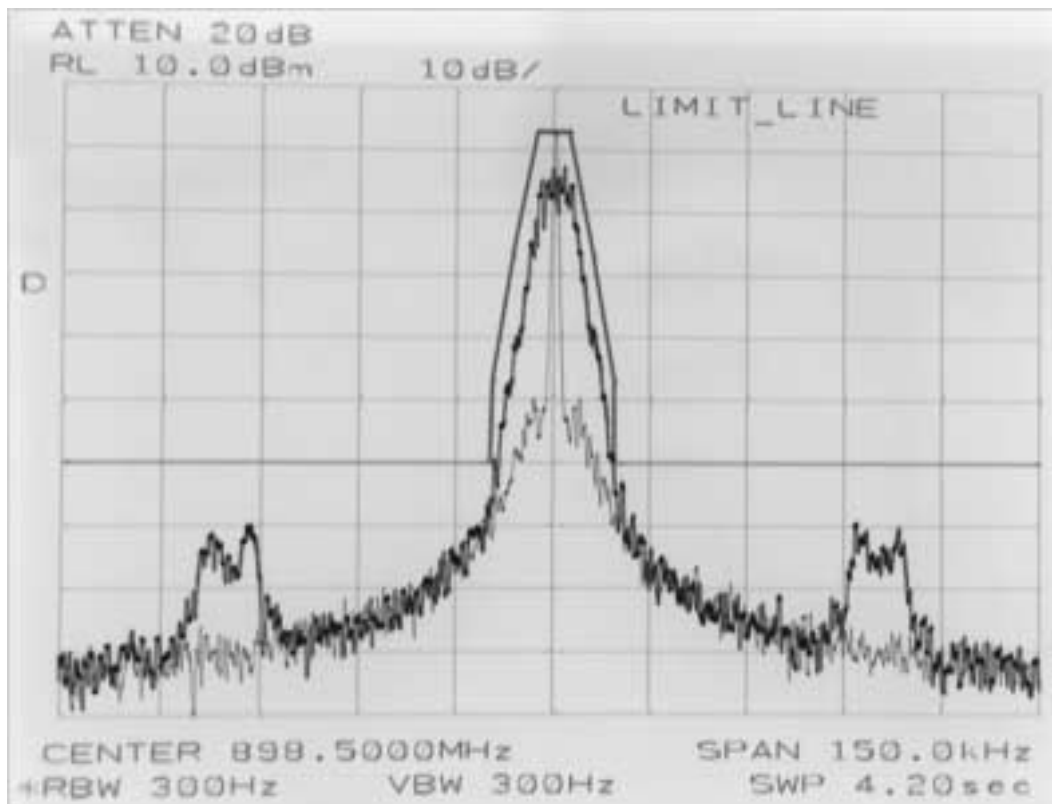
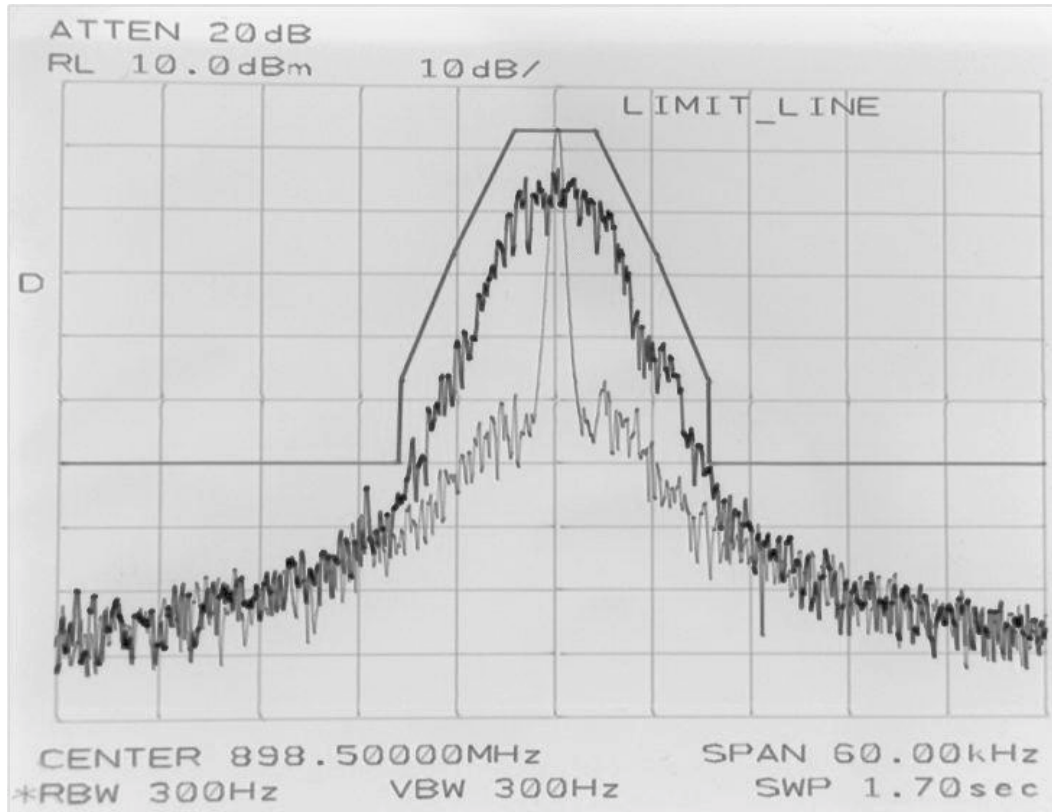
LIMIT LINE				
SEG	FREQ	UPPER	LOWER	TYPE
#	(MHz)	(dB)	(dB)	
1	-1.0000	-60.0	-175.0	SLP
2	-.0095	-60.0	-175.0	SLP
3	-.0095	-47.0	-175.0	SLP
4	-.0062	-27.0	-175.0	SLP
5	-.0025	-7.0	-175.0	SLP
6	0.0025	-7.0	-175.0	SLP
7	0.0062	-27.0	-175.0	SLP
8	0.0095	-47.0	-175.0	SLP
9	0.0095	-60.0	-175.0	SLP
10	1.0000	-60.0	-175.0	SLP
->11				

SELECT SEGMENT NUMBER : 11

MOBI_EVT4 S/N: JW020800123
Lower Frequency (896 MHz)



MOBI_EVT4 S/N: JW020800123
Middle Frequency (898.5 MHz)



MOBI_EVT4 S/N: JW020800123
Upper Frequency (901 MHz)

