

MAXIMUM RADIATED EMISSIONS, NBI-PAD1000
- "MID Frequency" EUT (909.75 MHz) Measured at 3.0 meters -

Meas.	Peak	"Avg."	Meas.	Meas.	Meas.	Meas.	Calc.	Calc. Avg.	Avg.	Limit
Freq	At s/a	At s/a	Amp K	Cab & Attn.	HPF	Ant. Fact.	Pulse Cor.	3 m Field	Limit	Margin
MHz	(1 MHz) dBm	(10 Hz) dBm	Gain dB	Loss dB	Loss, dB	dB 1/m	Fact. dB	dBuV/m	dBuV/m	dB
909.8	-27.8	-28.5	0.0	6.5	-	22.7	-	107.7	-	-
1819.6	-62.5	-65.6	32.6	6.6	0.8	27.6	2.4	41.4	54	12.7
2729.4	-69.9	-76.3	30.5	6.7	0.7	29.6	2.4	34.9	54	19.2
3639.2	-65.6	-73.1	29.9	6.8	0.7	31.9	2.4	41.0	54	13.0
4549.0	-68.7	-75.3	31.8	7.0	0.6	32.0	2.4	37.2	54	16.9
5458.8	-70.0	-75.6	32.3	7.1	0.6	34.6	2.4	39.0	54	15.0
6368.6	-75.0	-79.0	32.0	7.2	0.7	34.6	2.4	36.1	54	17.9
7278.4	-	-82	32.1	7.4	0.6	36.8	2.4	35.3	54	18.7
8188.2	-	-84	32.4	7.5	0.7	36.8	2.4	33.2	54	20.8
9098.0	-	-78	31.6	7.7	0.7	37.7	2.4	41.1	54	12.9

Maximum emissions were always vertical

Figure 4: OATS Measured Harmonic Emissions, Mid-Band EUT

MAXIMUM RADIATED EMISSIONS, NBI-PAD1000
- "HIGH Frequency" EUT (914.750 MHz) Measured at 3.0 meters -

Meas.	Peak	"Avg."	Meas.	Meas.	Meas.	Meas.	Calc.	Calc. Avg.	Avg.	Limit
Freq	At s/a	At s/a	Amp K	Cab & Attn.	HPF	Ant. Fact.	Pulse Cor.	3 m Field	Limit	Margin
MHz	(1 MHz) dBm	(10 Hz) dBm	Gain dB	Loss dB	Loss, dB	dB 1/m	Fact. dB	dBuV/m	dBuV/m	dB
914.8	25.5	-26.6	0.0	6.5	-	22.7	-	109.6	-	-
1829.5	-72.5	-71.0	32.6	6.6	0.8	27.6	2.4	36.0	54	18.1
2744.3	-76.9	-76.5	30.5	6.7	0.7	29.6	2.4	34.6	54	19.4
3659.0	-74.1	-72.0	29.9	6.8	0.7	31.9	2.4	42.1	54	11.9
4573.8	-78.5	-77.3	31.8	7.0	0.6	32.0	2.4	35.1	54	18.9
5488.5	-79.0	-78.2	32.3	7.1	0.6	34.6	2.4	36.4	54	17.6
6403.3	-79.0	-79.5	32.0	7.2	0.7	34.6	2.4	35.6	54	18.4
7318.0	-	-82	32.1	7.4	0.6	36.8	2.4	35.3	54	18.7
8232.8	-	-84	32.4	7.5	0.7	36.8	2.4	33.2	54	20.8
9147.5	-	-78	31.6	7.7	0.7	37.7	2.4	41.1	54	12.9

Maximum emissions were always vertical

Figure 5: OATS Measured Harmonic Emissions, High-Band EUT

MID Band CW

CF = 909.750 MHz PK = -27.25 dBm Aug = -28.47 dBm

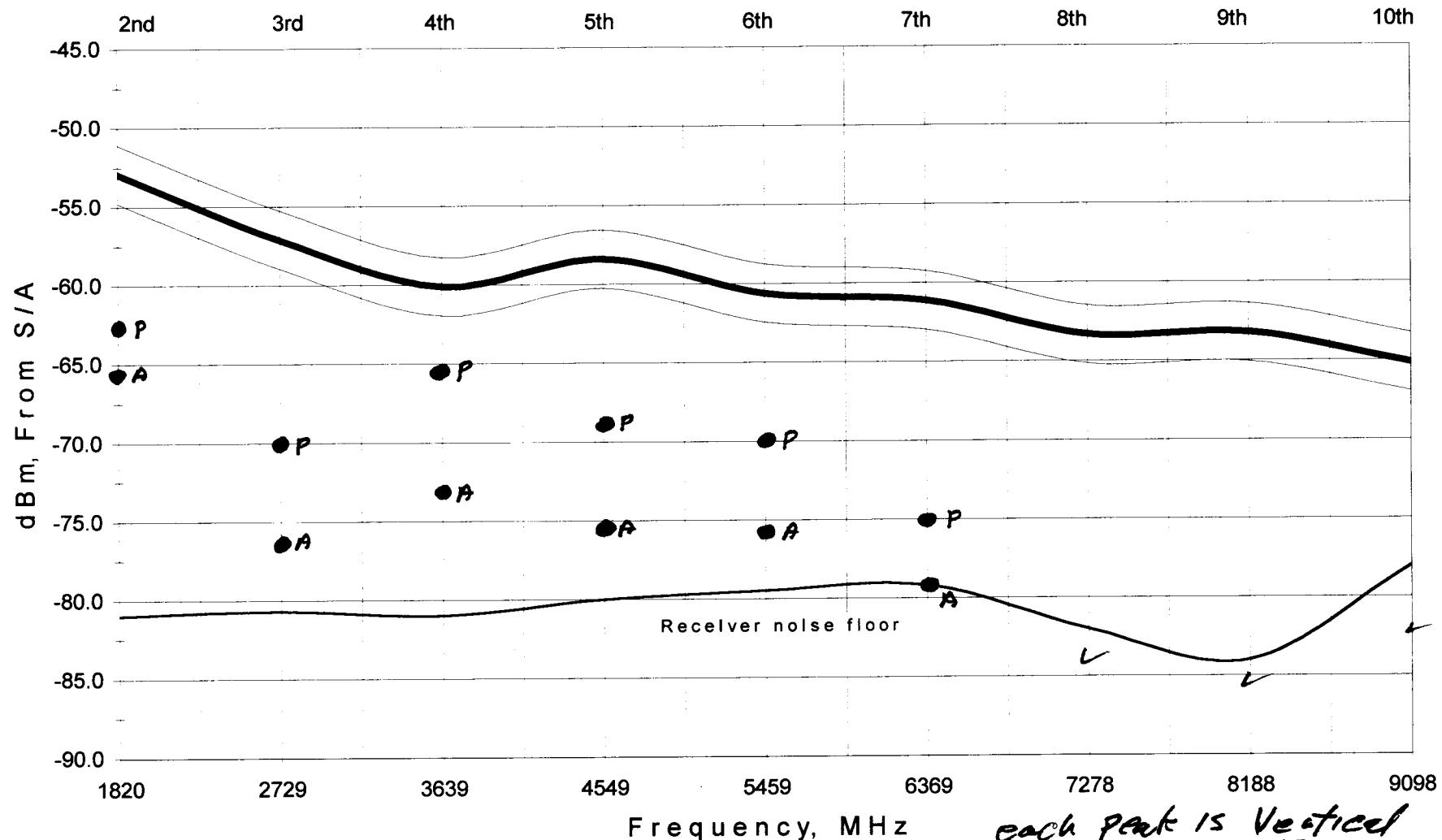
Engineer

Date 28 Oct 1998

Limit, s/a signal for 3 m OATS emissions, FCC 15.209, PEAK & Average

Mid Frequency Range (909.75 MHz) PAD. The 2.4 dB duty factor correction is included in the limit.

All readings taken in 1 MHz RBW, Peak taken in 1 MHz VBW, Average taken in 10 Hz RBW.



Uncertainty limits are shown for substitution measurements.

Traceable to NIST via HP 436A / 8481D.

FCC limit line, noise floor, and error limits include the effects of the attenuator, pre-amplifier, and receiver.