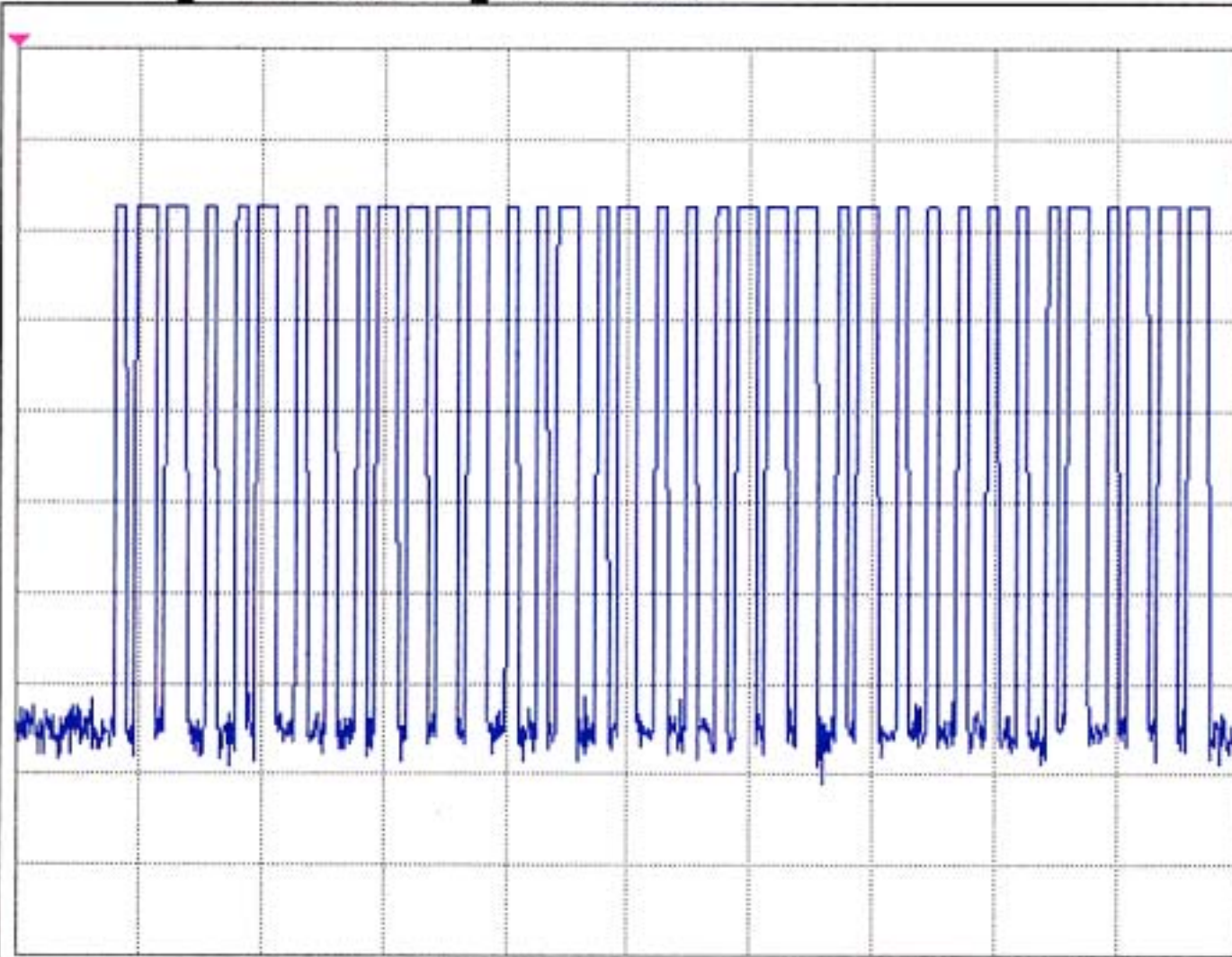


Mon 2003 Aug 18 14:55

REF 100.0 dB μ V

10dB/ A_Write Posi B_Blank Posi



CENTER 433.848000 MHz

SPAN 0.000 kHz

*RBW 100 kHz *VBW 100 kHz *SWP 60 ms *ATT 10dB

Mon 2003 Aug 18 14:51

REF 100.0 dB μ V

MK Δ 106.0 ms

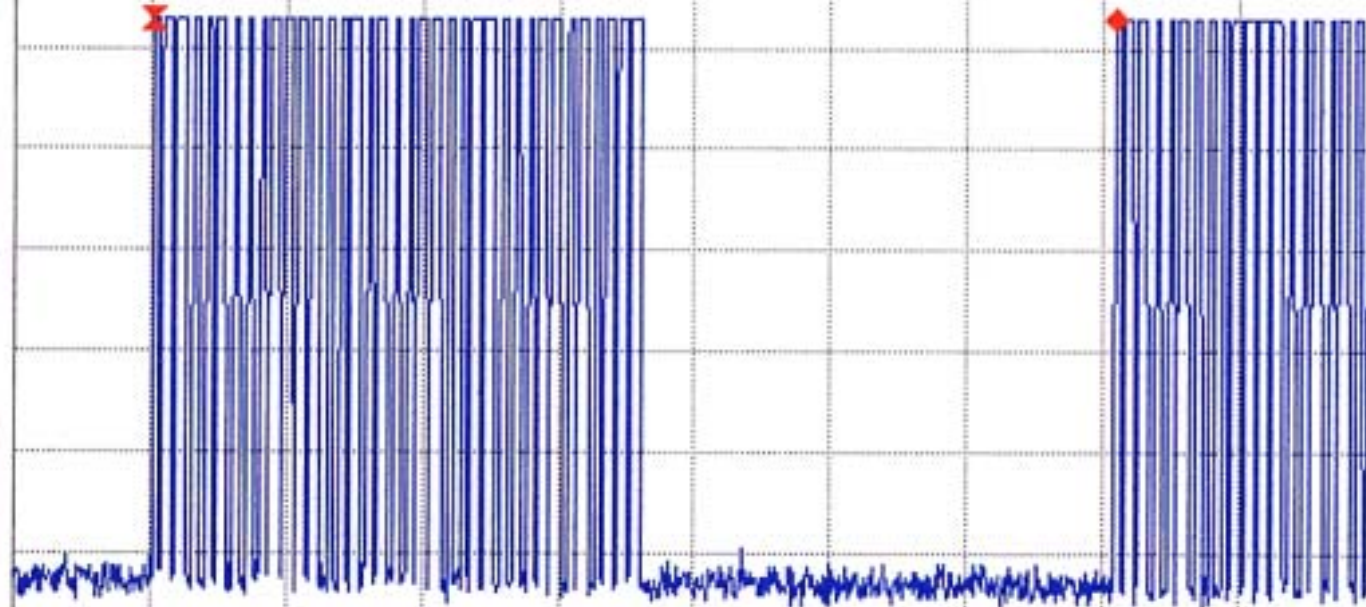
10dB/

A_Write Posi

B_Blank Posi

0.07 dB

DELTA MKR
106.0 ms



CENTER 433.848000 MHz

SPAN 0.000 kHz

*RBW 100 kHz

*VBW 100 kHz

*SWP 150 ms

*ATT 10dB

Mon 2003 Aug 18 15:00

REF 100.0 dB μ V

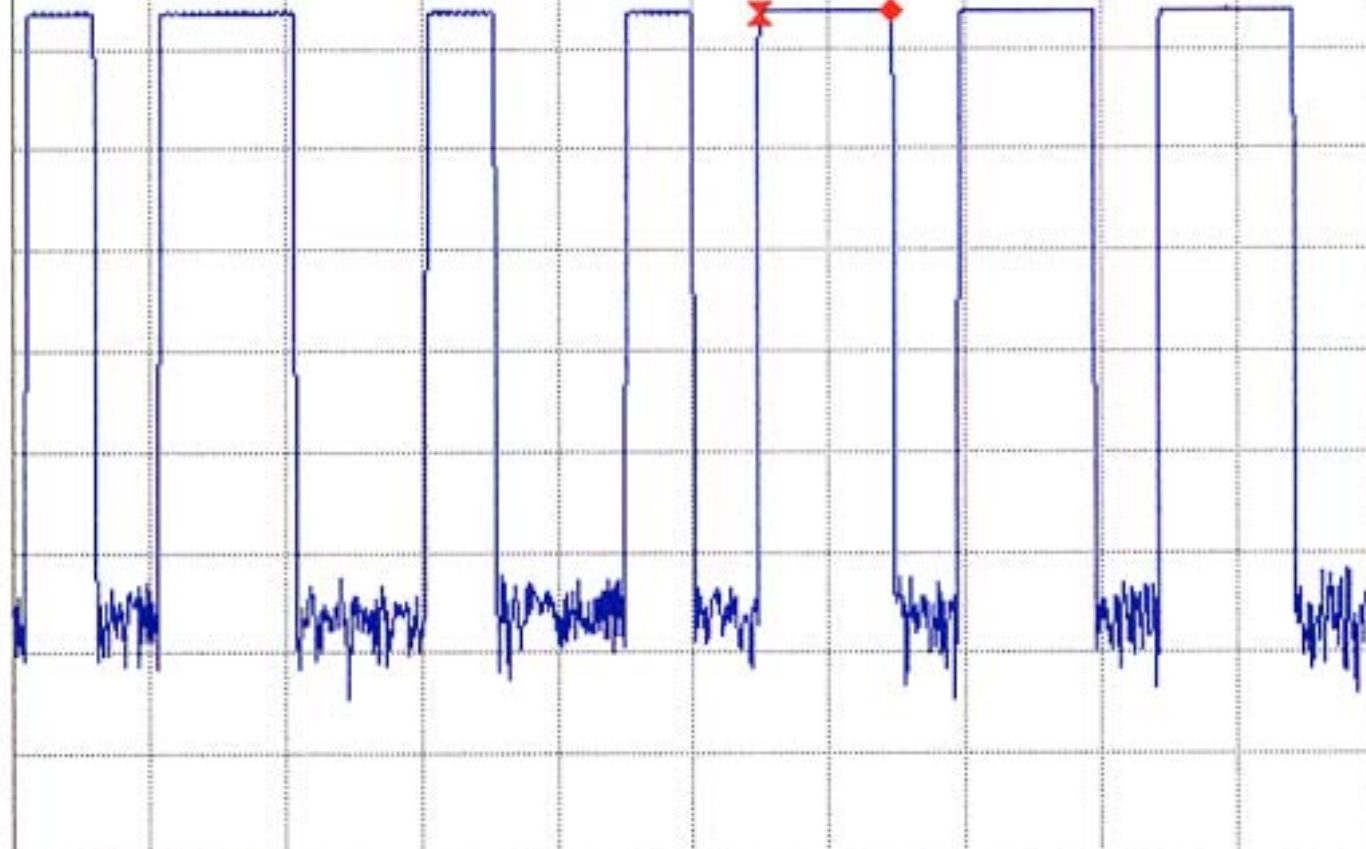
MK Δ 960.0 μ s

10dB/

A_Write Posi B_Blank Posi

0.16 dB

DELTA MKR
960.0 μ s



CENTER 433.848000 MHz

SPAN 0.000 kHz

*RBW 100 kHz

*VBW 100 kHz

*SWP 10 ms

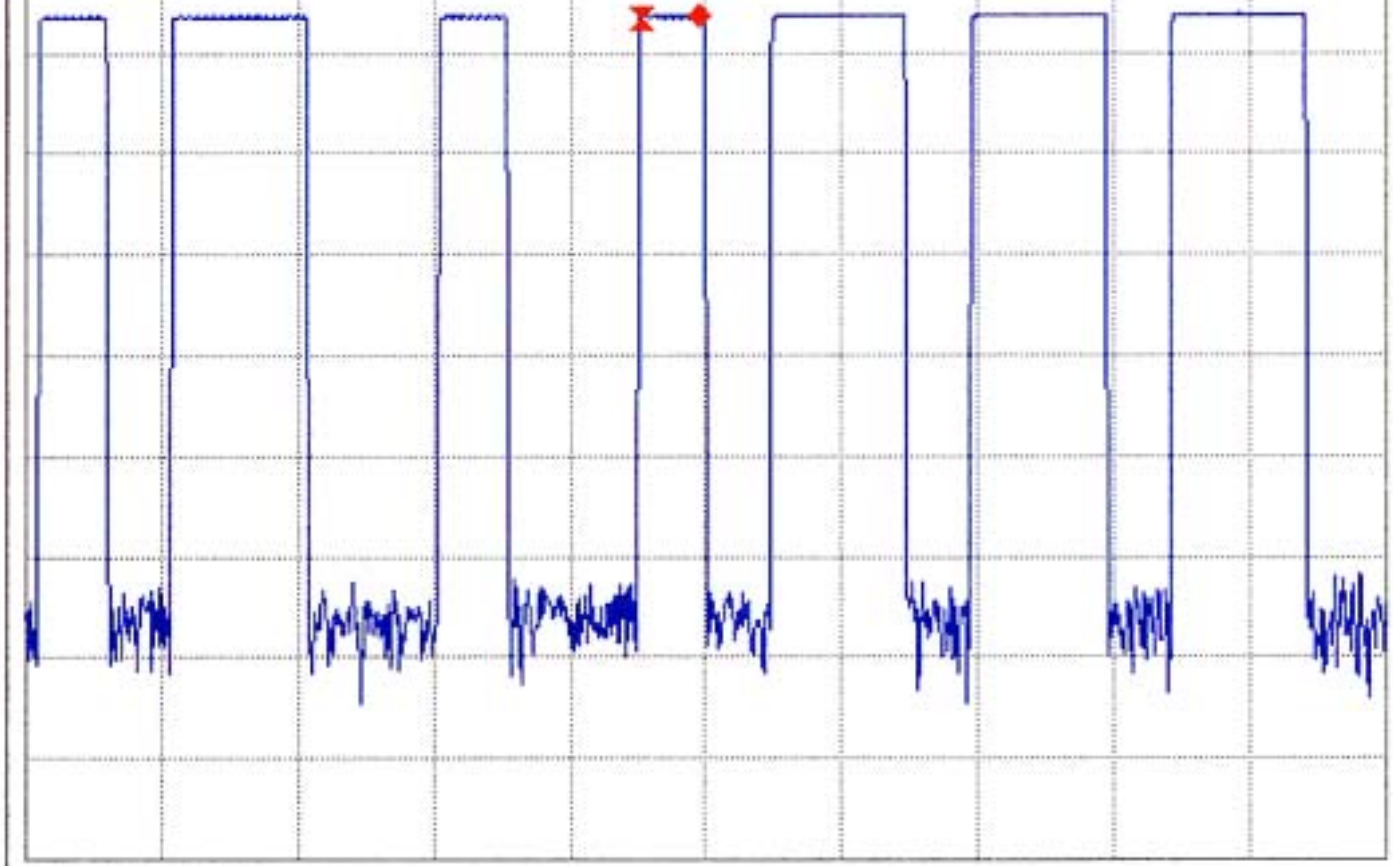
*ATT 10dB

Mon 2003 Aug 18 14:58

REF 100.0 dB μ V
10dB/

MK Δ 420.0 μ s
0.25 dB

DELTA MKR
420.0 μ s



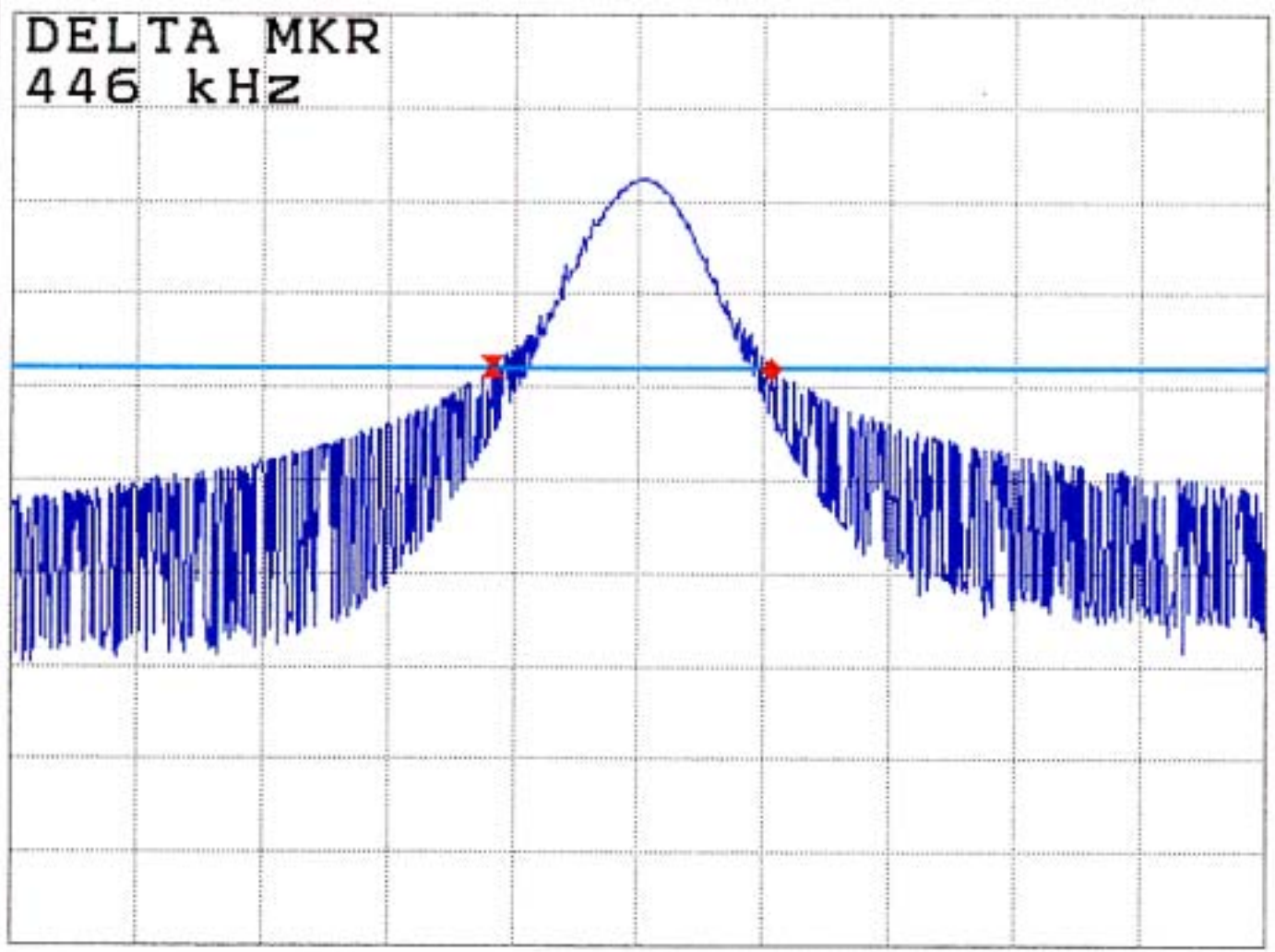
CENTER 433.848000 MHz

SPAN 0.000 kHz

*RBW 100 kHz *VBW 100 kHz *SWP 10 ms *ATT 10dB

Mon 2003 Aug 18 15:06

REF 100.0 dB μ V DL 62.3 dB μ V MK Δ 446 kHz
10dB/ A_Max Posi B_Blank Posi -0.08 dB



CENTER 433.848 MHz SPAN 2.000 MHz
*RBW 100 kHz *VBW 100 kHz *SWP 10 ms *ATT 10dB

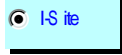
C&C Laboratory CO., LTD.

FCC, VCCI, CISPR, CE, AUSTEL, NZ
UL, CSA, TUV, BSMI, DHHS, NVLAP

No. 165, Chung Sheng Road,
Hsin Tien City, Taipei, Taiwan, R.O.C.
PHONE: 02-2217-0894 FAX: 02-2217-1029

Project #: C30819411
Report #: C30819411-RP
Date& Time: 2003/08/19
Test Engr: JIMMY CHEN

Company: NUTEK CORPORATION
EUT Description: APS02BT2 (433.92MHz / CAR ALARM TRANSMITTER)
Test Configuration : EUT ONLY
Type of Test: FCC 15.231(b)
Mode of Operation: Normal Mode



$$M\% = ((t1+t2+t3+\dots)/T) * 100\% = 24.72 \%$$

$$\begin{aligned} \text{Av Reading} &= \text{Pk Reading} + 20 * \log(M\%) \\ 20 * \log(M\%) &= -12.139 \end{aligned}$$

	Freq. (MHz)	Pk Rdg (dBuV)	Av Rdg (dBuV)	AF/AT (dB)	Closs (dB)	Pre-amp (dB)	Level (dBuV/m)	Limit FCC_B	Margin (dB)	Pol (H/V)	Az (Deg)	Height (Meter)
	Button #1:											
X	433.73	63.39	51.25	27.12	3.28	29.68	51.97	80.82	-28.85	3mV	180	1.20
	867.35	36.78	24.64	32.74	5.02	28.79	33.61	60.82	-27.21	3mV	90	1.00
Y	433.70	75.55	63.41	27.12	3.28	29.68	64.13	80.82	-16.69	3mV	90	1.30
	867.41	37.71	25.57	32.74	5.02	28.79	34.54	60.82	-26.28	3mV	0	1.00
Z	433.68	82.10	69.96	27.12	3.28	29.68	70.68	80.82	-10.14	3mV	270	1.10
	867.45	43.95	31.81	32.74	5.02	28.79	40.78	60.82	-20.04	3mV	180	1.10
X	433.71	82.41	70.27	27.12	3.28	29.68	70.99	80.82	-9.83	3mH	90	1.00
	867.43	40.03	27.89	32.74	5.02	28.79	36.86	60.82	-23.96	3mH	0	1.10
Y	433.67	79.45	67.31	27.12	3.28	29.68	68.03	80.82	-12.79	3mH	270	1.00
	867.36	34.84	22.70	32.74	5.02	28.79	31.67	60.82	-29.15	3mH	180	1.30
Z	433.69	80.05	67.91	27.12	3.28	29.68	68.63	80.82	-12.19	3mH	0	1.10
	867.41	41.17	29.03	32.74	5.02	28.79	38.00	60.82	-22.82	3mH	90	1.30

AF/AT=AF+10dB(ATTENUATOR)
Peak: RBW= 100KHz
VBW= 300KHz
A(Average): Pk Reading - 12.139dB

Total Data #12

C&C Laboratory CO., LTD.

FCC, VCCI, CISPR, CE, AUSTEL, NZ
UL, CSA, TUV, BSMI, DHHS, NVLAP

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PHONE: 02-2217-0894 FAX: 02-2217-1029

Project #: C30819411
Report #: C30819411-RP
Date & Time: 2003/08/19
Test Engr: JIMMY CHEN

Company: NUTEK CORPORATION
EUT Description: APS02BT2 (433.92MHz / CAR ALARM TRANSMITTER)
Test Configuration : EUT ONLY
Type of Test: FCC 15.231(b)
Mode of Operation: Normal Mode

IS ite

$$M\% = ((t1+t2+t3+\dots)/T) * 100\% = 24.72 \%$$

$$\begin{aligned} \text{Av Reading} &= \text{Pk Reading} + 20 * \log(M\%) \\ 20 * \log(M\%) &= -12.139 \end{aligned}$$

	Freq. (MHz)	Pk Rdg (dBuV)	Av Rdg (dBuV)	AF/AT (dB)	Closs (dB)	Pre-amp (dB)	Level (dBuV/m)	Limit FCC_B	Margin (dB)	Pol (H/V)	Az (Deg)	Height (Meter)
	Button #2:											
X	433.72	61.02	48.88	27.12	3.28	29.68	49.60	80.82	-31.22	3mV	0	1.20
	867.48	32.16	20.02	32.74	5.02	28.79	28.99	60.82	-31.83	3mV	90	1.00
Y	433.68	82.26	70.12	27.12	3.28	29.68	70.84	80.82	-9.98	3mV	270	1.50
	867.36	40.09	27.95	32.74	5.02	28.79	36.92	60.82	-23.90	3mV	0	1.00
Z	433.68	82.76	70.62	27.12	3.28	29.68	71.34	80.82	-9.48	3mV	270	1.10
	867.37	42.55	30.41	32.74	5.02	28.79	39.38	60.82	-21.44	3mV	0	1.10
X	433.73	81.96	69.82	27.12	3.28	29.68	70.54	80.82	-10.28	3mH	90	1.50
	867.44	35.52	23.38	32.74	5.02	28.79	32.35	60.82	-28.47	3mH	0	1.10
Y	433.68	78.62	66.48	27.12	3.28	29.68	67.20	80.82	-13.62	3mH	180	1.00
	867.35	36.78	24.64	32.74	5.02	28.79	33.61	60.82	-27.21	3mH	270	1.10
Z	433.68	77.25	65.11	27.12	3.28	29.68	65.83	80.82	-14.99	3mH	0	1.10
	867.33	38.28	26.14	32.74	5.02	28.79	35.11	60.82	-25.71	3mH	90	1.30

AF/AT=AF+10dB(ATTENUATOR)
Peak: RBW= 100KHz
VBW= 300KHz
A(Average): Pk Reading - 12.139dB

Total Data #12

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FCC, VCCI, CISPR, CE, AUSTEL, NZ
UL, CSA, TUV, BSMI, DHHS, NVLAP

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Project #: C30819411
Report #: C30819411-RP
Date & Time: 2003/08/19
Test Engr: JIMMY CHEN

Company: NUTEK CORPORATION
EUT Description: APS02BT2 (433.92MHz / CAR ALARM TRANSMITTER)
Test Configuration : EUT ONLY
Type of Test: FCC 15.231(b)/FCC 15.209
Mode of Operation: Normal Mode

IS ite

Freq.	Pk Rdg	Av Rdg	AF	Closs	Pre-amp	Level	Limit	Margin	Pol	Az	Height	Mark
(MHz)	(dBuV)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	FCC_B	(dB)	(H/V)	(Deg)	(Meter)	(P/Q/A)
1301	47.80	35.66	25.19	4.75	32.04	33.56	54.00	-20.44	3mV	90	1.0	A
1735	45.40	33.26	26.43	5.58	32.76	32.51	60.82	-28.31	3mV	180	1.0	A
2170	43.80	31.66	27.76	6.25	33.15	32.52	60.82	-28.30	3mV	90	1.2	A
1301	45.50	33.36	25.19	4.75	32.04	31.26	54.00	-22.74	3mH	90	1.1	A
1735	44.60	32.46	26.43	5.58	32.76	31.71	60.82	-29.11	3mH	0	1.0	A
2169	43.30	31.16	27.76	6.25	33.15	32.02	60.82	-28.80	3mH	180	1.2	A

* No other emission were found within 20dB under the limits upto 4.5 GHz.

Total data #6
V.2d

P(Peak): RBW=VBW=1MHz
A(Average): Pk Reading -12.139dB