

APPLICANT: KASH N GOLD LTD.
 FCC ID: FBJCOMMUNICATOR
 NAME OF TEST: RADIATION INTERFERENCE
 RULES PART NO.: 15.231

REQUIREMENTS:

Fundamental Frequency MHz	Field Strength of Fundamental dBuV	Field Strength of Harmonics and Spurious Emissions (dBuV/m @ 3m)
40.66 to 40.70	67.04	47.04
70 to 130	61.94	41.94
130 to 174	61.94 to 71.48	41.94 to 51.48
174 to 260	71.48	51.48
260 to 470	71.48 to 81.94	51.48 to 61.94
470 and above	81.94	61.94

THE LIMIT FOR AVERAGE FIELD STRENGTH dBuV/m FOR THE FUNDAMENTAL FREQUENCY= 79.37 dBuV/m dBuV/m.

THE LIMIT FOR AVERAGE FIELD STRENGTH dBuV/m FOR THE HARMONICS AND SPURIOUS FREQUENCIES = 59.37 dBuV/m dBuV/m

TEST DATA:

EMISSION FREQ. MHz	METER READING @ 3m dBuV	COAX LOSS dB	ACF dB	PEAK FIELD STRNGTH dBuV/m	AVERAGE FIELD STRNGTH dBuV/m	MARGIN dB	ANT.
309.68	63.50	1.40	15.35	80.25	71.23	4.06	V
619.36	19.40	1.60	20.53	41.53	32.51	22.79	V
929.08	20.40	2.90	24.13	47.43	38.41	16.88	H
1238.54R	24.50	1.00	24.95	50.45	41.43	12.57	H
1548.36R	25.70	1.00	26.19	52.89	43.87	10.13	H
1857.76	24.10	1.01	27.43	52.54	43.52	11.77	H
2167.44	17.50	1.06	28.42	46.97	37.95	17.34	H
2477.12	0.50	1.10	29.19	30.79	21.77	33.52	H

SAMPLE CALCULATION OF LIMIT @ 303 MHz:

$(470 - 260)\text{Mhz} = 210 \text{ MHz}$
 $(12500 - 3750)\text{uV/m} = 8750 \text{ uV/m}$
 $8750\text{uV/m}/210\text{MHz} = 41.67 \text{ uV/m/MHz}$
 $(303-260)\text{MHz} = 43 \text{ MHz}$
 $43 \text{ MHz} * 41.67 \text{ uV/m/MHz} = 1791.81 \text{ uV/m}$
 $(1791.81 + 3750)\text{uV/m} = 5541.81 \text{ uV/m limit @ 303 MHz}$

The transmitter ceases transmitting when the button is released.

TEST RESULTS: The unit DOES meet the FCC requirements.

PERFORMED BY: S. S. SANDERS

DATE TESTED: AUGUST 27, 1998

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 FREQUENCY= 79.37 dBuV/m dBuV/m.

THE LIMIT FOR AVERAGE FIELD STRENGTH dBuV/m FOR THE HARMONICS AND
 SPURIOUS FREQUENCIES = 59.37 dBuV/m dBuV/m

TEST DATA:

EMISSION FREQ. MHz	METER READING @ 3m dBuV	COAX LOSS dB	ACF dB	PEAK FIELD STRNGTH dBuV/m	AVERAGE FIELD STRNGTH dBuV/m	MARGIN dB	ANT.
299.68	57.30	1.40	15.68	74.38	65.36	9.29	V
599.42	20.70	1.60	20.10	42.40	33.38	21.27	H
899.10	11.60	2.90	24.19	38.69	29.67	24.98	V
1198.84R	15.60	1.00	24.80	41.40	32.38	21.62	H
1496.72R	25.00	1.00	25.99	51.99	42.97	11.03	V
1796.02	24.40	1.00	27.18	52.58	43.56	11.08	H
2097.54	4.20	1.04	28.24	33.49	24.47	30.18	H
2397.28	4.70	1.09	28.99	34.78	25.76	28.89	H

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