

Data Sheets for Instrument Specialties Test Report No: 112384-A

Dated: 15 May 2000

Title: FCC PART 15 Subpart C Section 15.231

For: Martec Access Products

Equipment under test (EUT): KWT Transmitter

FCC ID: KJ802-3039

Part 1 of 4

Radiated Emissions

WORLD COMPLIANCE CENTER

FCC PART 15 CLASS B @ 3m
MARTEC ACCESS PRODUCTS
KWT REMOTE
DIGITAL DEVICE
TEST NO. 5 120VAC/60Hz

EMISSION LEVEL [dBuV/m]

hp

80

60

40

20

0

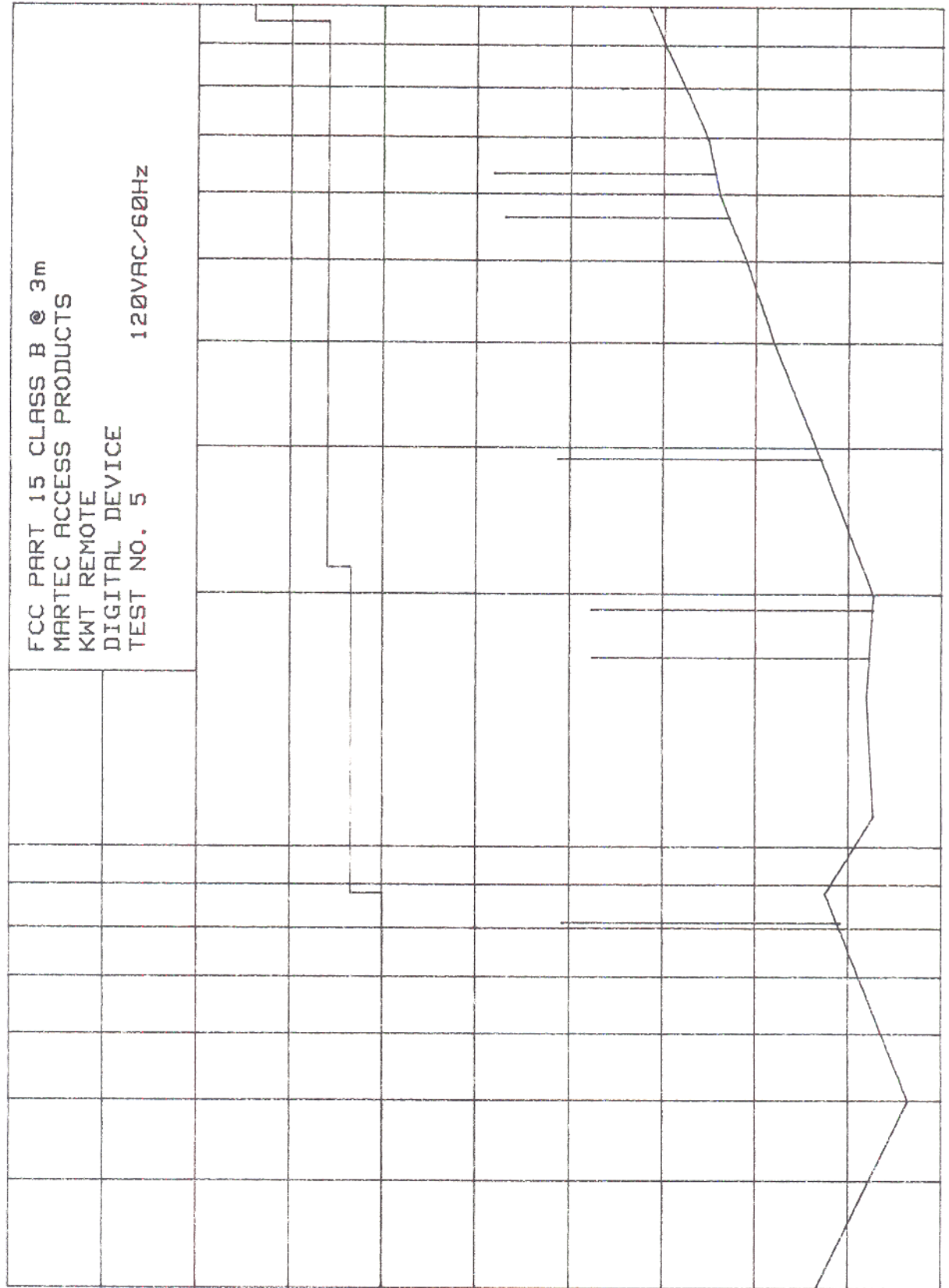
30

100

1000

FINAL SIGNALS

FREQUENCY [MHz]



16 Apr 25

INSTRUMENT SPECIALTIES CO., INC
WORLD COMPLIANCE CENTER
TEST DATA

REPORT No.: 112384 DATE: 23 DECEMBER 1999 TEST No.: 5
TITLE OF TEST: FCC PART 15 CLASS B RADIATED EMISSIONS @ 3m
CUSTOMER: MARTEC ACCESS PRODUCTS
EUT DESCRIPTION: KWT REMOTE
TEST MODE: DIGITAL DEVICE ACTIVE
SERIAL No.: N/A
FREQUENCY RANGE: 30MHz-1000MHz SENSOR LOCATION/POLARIZATION: WORSE CASE
INPUT POWER: 9VDC TEMP: 66.2 f HUM: 15.8 % BAR: 30.25 "
TEST PERFORMED BY: STEVEN R. BULLIS
TEST RESULTS: COMPLIES
TEST CONDITIONS: TABLE TOP ARRANGEMENT. DIGITAL DEVICE ONLY.

PRODUCT EMISSIONS

FCC PART 15 CLASS B @ 3m Data File: TEST NO. 5 23 Dec 1999 09:21

No	EMISSION FREQUENCY MHz	SPEC LIMIT dBuV/m	MEASUREMENTS			MODE	POL	SITE		CORR FACTOR dB	COMMENTS
			ABS	ΔLIM	dB			HGT	AZM		
1	81.170	40.0	20.8	-18.2	PK	V	100	0	-23.4	NOISE FLOOR	
2	168.400	43.5	17.6	-25.9	PK	V	100	0	-19.3	NOISE FLOOR	
3	192.300	43.5	17.7	-25.3	PK	V	100	0	-20.4	NOISE FLOOR	
4	281.399	46.0	21.3	-24.7	PK	V	100	0	-15.5	NOISE FLOOR	
5	534.700	46.0	27.0	-19.0	PK	V	100	0	-7.2	NOISE FLOOR	
6	636.600	46.0	28.2	-17.8	PK	V	100	0	-6.8	NOISE FLOOR	

FCC Part 15 Subpart C Section 15.231 Radiated Emissions @ 3 Meters Data Sheet

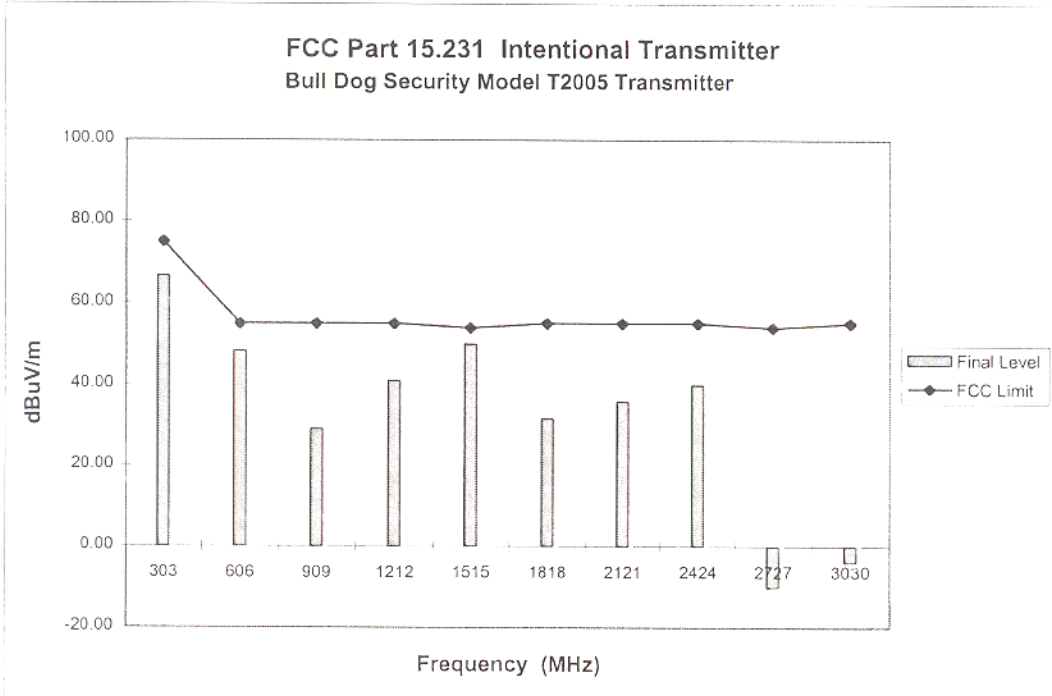
Date : 23-Dec-99
 Customer Martec
 Tech : Grant Metzgar

EUT : KWT Remote Transmitter

Frequency (MHz)	Measured Level (dBuV)	Antenna Factor +(dB)	Cable Loss +(dB)	Preamp Gain -(dB)	Corrected Level (dBuV/m)	Spec Limit (dBuV/m)	Polarity (V/H)	Delta to Limit	Restricted Bands
1	303	92.9	13.8	3.5	32.5	66.70	V	-8.20	No
2	606	65.8	19.9	5.7	32	48.40	V	-6.55	No
3	909	41.55	23.2	7.3	32	29.05	V	-25.90	No
4	1212	51.3	26.30	4.30	29.90	41.00	V	-13.95	No
5	1515	60.3	25.80	4.30	29.40	50.00	V	-3.97	Yes
6	1818	40.5	27.10	4.20	29.20	31.60	V	-23.35	No
7	2121	42.1	29.80	4.00	29.00	35.90	H	-19.05	No
8	2424	44.2	30.10	4.10	27.50	39.90	V	-15.05	No
9	2727	-7.2	30.40	5.20	27.50	-10.10	V	-64.07	Yes
10	3030	-5.3	30.80	6.40	24.90	-4.00	V	-58.95	No

Duty Cycle Correction Factor : 11

Equipment used :
 Low loss cables , S/n 329 (3M), S/n 338 (3m), S/n 331 (1m)
 HP8449B Preamp
 EMCO 3115 Antenna S/n 2845



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