

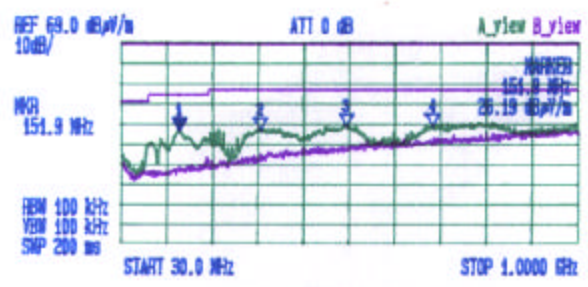
PAGE 1

Date: June 29/98  
Tested by: In Lou

RADIATED EMISSION PRESCAN @ 3 m  
MILLTRONICS IQ-RADAR 160  
Antenna Polarization:  horizontal  vertical



TEST CONFIGURATION #1: IQ RADAR 160 (NOT MOUNTED ON THE TANK)

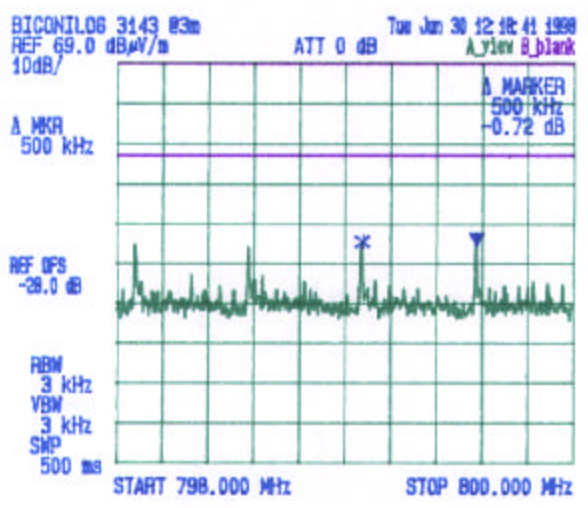


PLOT # 1

\*\*\* Multi Marker List \*\*\*

No. 1:	151.9 MHz	26.19 dBμV/m	A
No. 2:	325.2 MHz	26.03 dBμV/m	A
No. 3:	508.1 MHz	28.31 dBμV/m	A
No. 4:	691.0 MHz	28.06 dBμV/m	A

NOTE: THE ABOVE EMISSIONS WERE HARMONICS OF 500 KHz OSC. FROM THE DIGITAL CIRCUIT PORTION ONLY



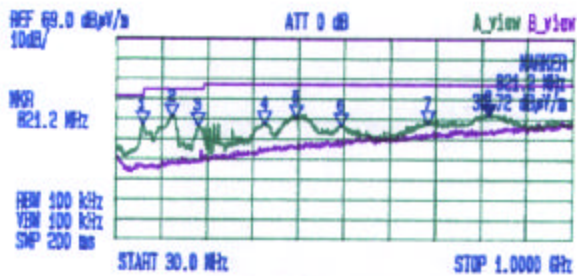
PLOT # 2

PAGE 2

Date: June 20/98  
Tested by: Tim Lutz

RADIATED EMISSION PRESCAN @ 3 m  
MILLITRONICS IQ-RADAR 160  
Antenna Polarization: [ ] horizontal [x] vertical

TEST CONFIGURATION #1: IQ-RADAR160 (NOT IN THE TANK)

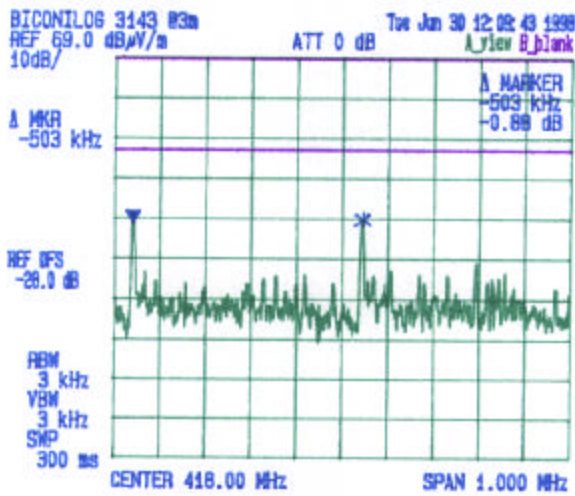


PLOT # 3

\*\*\* Multi Marker List \*\*\*

No.	Freq (MHz)	Level (dBµV/m)	Unit
No. 1:	84.0	26.16	dBµV/m A
No. 2:	147.8	30.06	dBµV/m A
No. 3:	203.2	25.56	dBµV/m A
No. 4:	344.6	26.72	dBµV/m A
No. 5:	412.5	29.78	dBµV/m A
No. 6:	508.1	25.84	dBµV/m A
No. 7:	692.4	27.34	dBµV/m A
No. 8:	821.2	30.72	dBµV/m A

COMMENTS: THE ABOVE EMISSIONS WERE FROM THE DIGITAL CIRCUIT PORTION ONLY. THEY ARE HARMONICS OF 500KHz OSC. THESE EMISSIONS ARE BELOW FCC IS, CLASS A.



PLOT # 4

PAGE 3

Date: June 29/98  
Tested by: Tim Lun

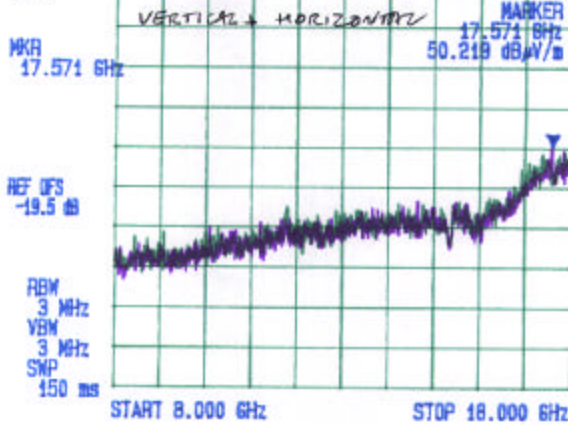
RADIATED EMISSION PRESCAN @ 3 m  
MILLITRONICS IQ-RADAR 160  
Antenna Polarization:  horizontal  vertical



TEST CONFIGURATION #1: IQ-RADAR 160  
NOT ON THE TANK

TEST DISTANCE : 1m  
E3115+HP83017+SMA7  
REF 70.0 dBµV/m  
5dB/

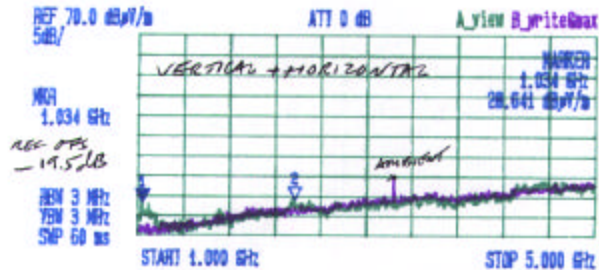
Mon Jan 29 11:52:23 1998  
ATT 0 dB  
A\_view B\_view



PLOT #5

NOTE: EMISSIONS AT 1.034 AND 2.366GHz  
ARE FROM DIGITAL CIRCUIT  
PORTION ONLY.

TEST DISTANCE : 3m



PLOT #6

\*\*\* Multi Marker List \*\*\*

No. 1:	1.034 GHz	28.641 dBµV/m	A
No. 2:	2.366 GHz	29.359 dBµV/m	A
No. 3:			
No. 4:			
No. 5:			
No. 6:			
No. 7:			
No. 8:			
A:			

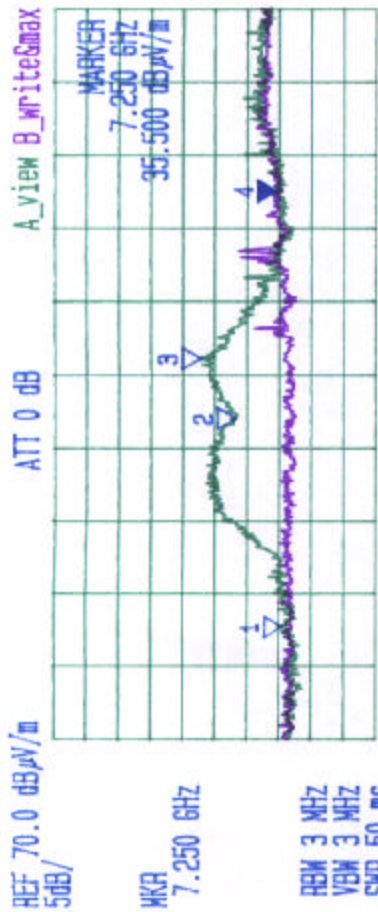


**RADIATED EMISSION PRESCAN @ 3 m**  
**MILLTRONICS IQ-RADAR 160**  
 Antenna Polarization: [ ] horizontal [x] vertical

PAGE 4

Date: June 25/08  
 Tested by: Tin Liu

TEST CONFIGURATION #1: IQ-RADAR 160 (NOT ON THE TRUCK)



START 5.000 GHz STOP 8.000 GHz

No.	Multi	Marker	List	***
No. 1:	5.459	GHz	34.719	dBµV/m A
No. 2:	6.320	GHz	41.781	dBµV/m A
No. 3:	6.564	GHz	47.250	dBµV/m A
No. 4:	7.250	GHz	35.500	dBµV/m A

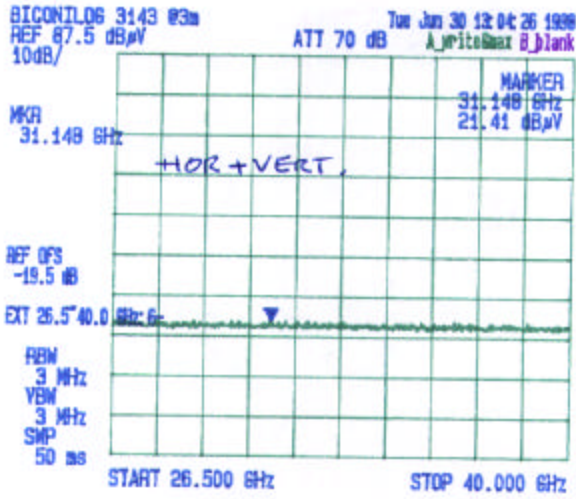
Plot#7

PAGE 9

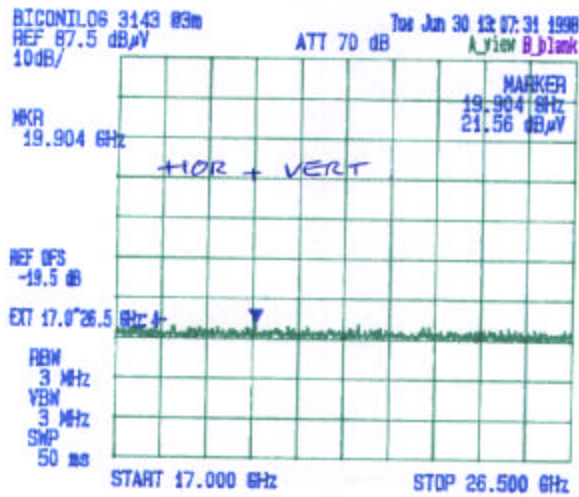
Date: June 30/98  
Tested by: Tri Liu

RADIATED EMISSION PRESCAN @ 1 m  
MILLITRONICS IQ-RADAR 160  
Antenna Polarization:  horizontal  vertical

TEST CONFIRMATION #1: NO METAL TRUNK



Plot #16



Plot #17

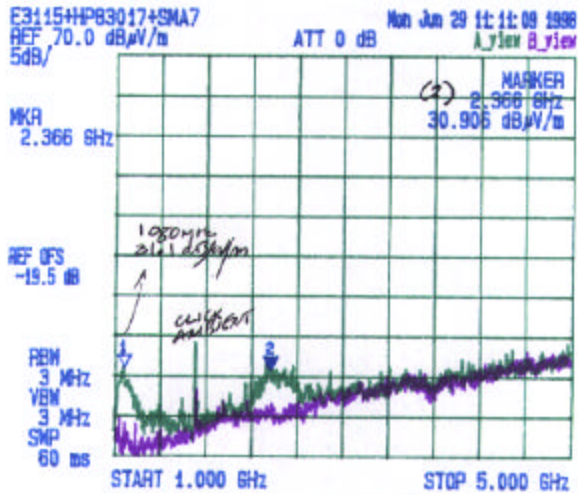
PAGE 5

Date: June 29/98  
Tested by: Tri Luu

RADIATED EMISSION PRESCAN @ 3 m  
MILLITRONICS IQ-RADAR 160  
Antenna Polarization:  horizontal  vertical

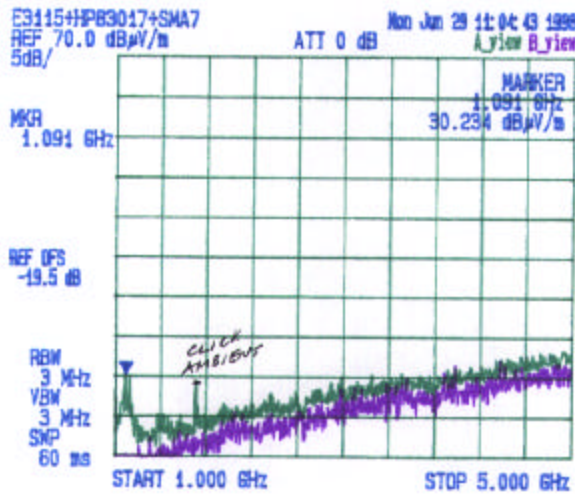


TEST CONFIGURATION #2: IQ-RADAR 160 MOUNTED ON THE TANK



PLOT # 8

NOTE: EMISSIONS AT 1.08 + 2.366 MHz ARE FROM DIGITAL CIRCUIT PORTION.



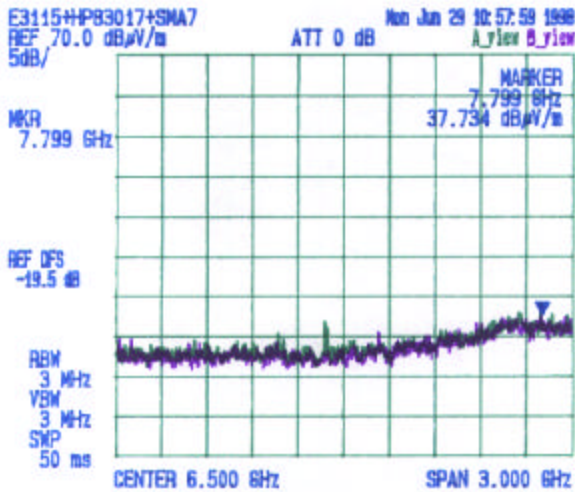
PLOT # 9

PAGE 6

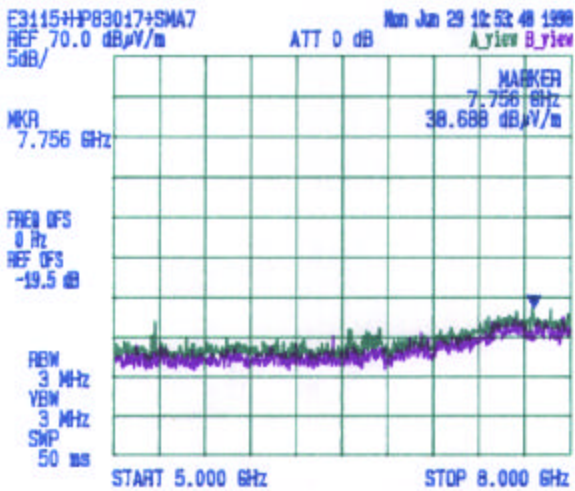
Date: June 29/98  
Tested by: In Lau

RADIATED EMISSION PRESCAN @ 3 m  
MILLTRONICS IQ-RADAR 160  
Antenna Polarization:  horizontal  vertical

TEST CONFIGURATION # 2 : IQ RADAR 160 MOUNTED ON THE TANK



PLOT #10



PLOT #11

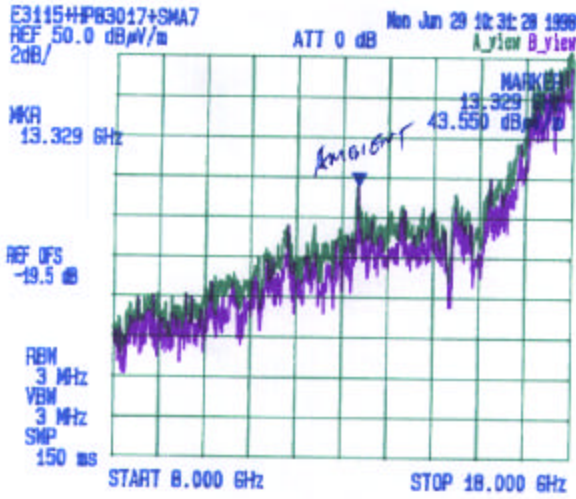
PAGE 7

Date: June 29/98  
Tested by: Tri Lau

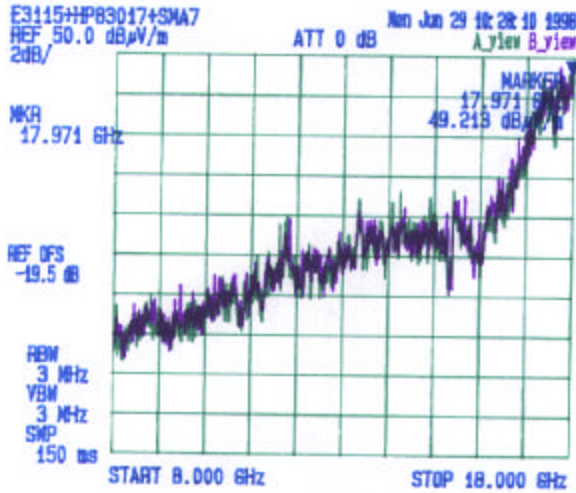
RADIATED EMISSION PRESCAN @ 100 mm 1.0m  
MILLITRONICS IQ-RADAR 160

Antenna Polarization:  horizontal  vertical

TEST CONFIGURATION #2: WITH TANK (WETZ)



PLOT #12



PLOT #13



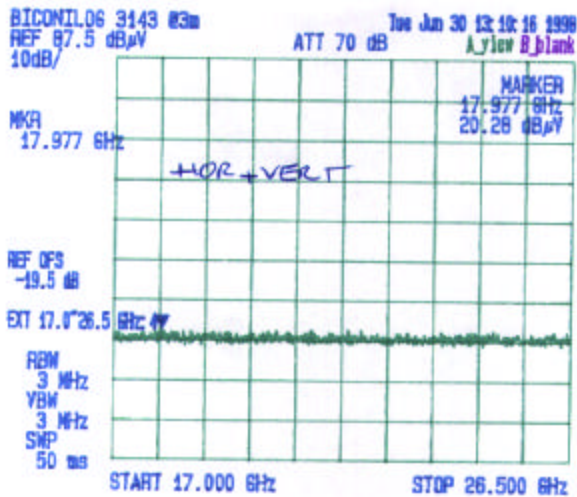
PAGES

Date: June 30/98  
Tested by: Tri Lee

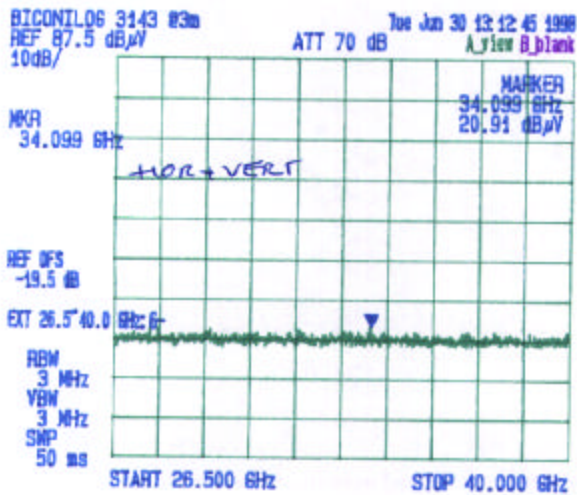
RADIATED EMISSION PRESCAN @ 1 m  
MILLITRONICS IQ-RADAR 160

Antenna Polarization:  horizontal  vertical

TEST CONFIG. #2: WITH METAL TRUNK



Plot #14



Plot #15



**UltraTech**  
Engineering Labs Inc.

APPLICANT: HILLBROOK'S  
PRODUCT: FOR - 800000000  
MODEL: 45

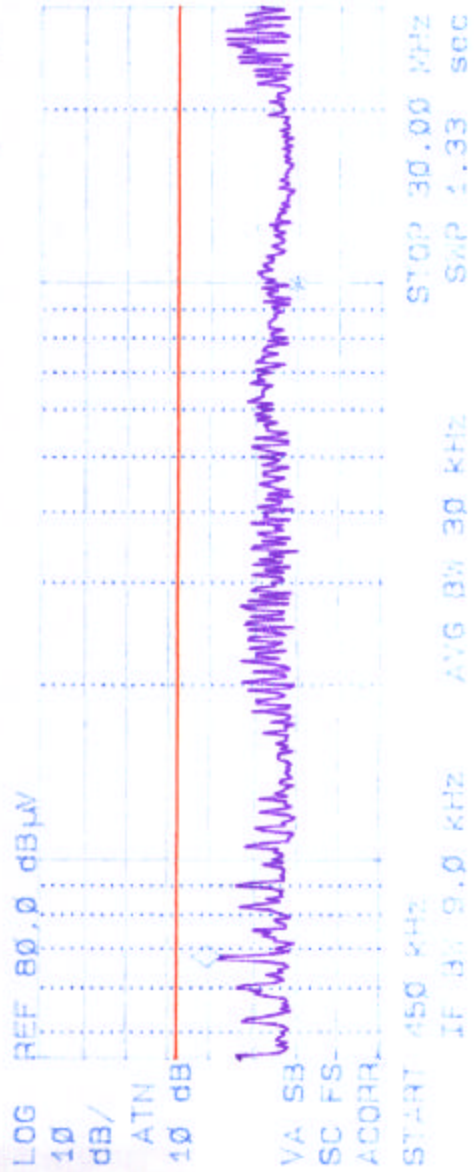
**POWER-LINE CONDUCTED EMISSIONS MEASUREMENTS**

EMI Detector: M Peak Y Quasi Peak N Average Temp.: 24 °C, Humidity: 46 %  
Line Tested: F Input Voltage: 130V Tested by: John Yang Test Date: June 30/18  
Comments: fcc class B

Signal	Freq (MHz)	PK Amp	QP Amp	AV Amp	QP d1	No user Menu
1	0.680950	39.1	37.0	35.6	-11.0	
2	24.002175	35.3	33.7	29.6	-14.3	
3	25.003400	37.9	36.3	32.4	-11.7	
4	26.004188	39.4	37.9	34.3	-10.1	
5	27.003450	37.8	36.2	32.3	-11.8	

SIGNAL NUMBER  
1

ACTV DET: PEAK  
MEAS DET: PEAK QP AVG  
MKR 680 KHZ  
37.07 dBµV





APPLICANT: HILLBROOK'S  
 PRODUCT: LOBBY  
 MODEL: 33

**POWER-LINE CONDUCTED EMISSIONS MEASUREMENTS**

EMI Detector: [1] Peak [1] Quasi Peak [1] Average Temp.: 24 °C, Humidity: 48 %  
 Line Tested: 180V Tested by: Bruce Test Date: June 30/98  
 Comments: (FCC CLASS B)

Signal	Freq (MHz)	PK Amp	QP Amp	AV Amp	dBµV	No User Menu
1	0.683588	37.6	35.8	35.0	-12.2	
2	24.502875	37.0	35.4	34.5	-12.6	
3	26.502325	39.1	38.0	37.3	-10.0	
4	26.003200	40.2	39.0	35.5	-9.0	
5	27.502475	37.2	35.3	34.3	-12.7	

SIGNAL NUMBER  
4

ACTV DET: PEAK  
 MEAS DET: PEAK QP AVG  
 MKR 26.12 MHz  
 22.45 dBµV

