

# FCC RADIO TEST REPORT

Applicant's Company	SIRIUS SATELLITE RADIO.
Applicant Address	989 Lenox Drive Suite 212 Lawrenceville, New Jersey 08648
Manufacturer's Company	Wistron NeWeb Corporation
Manufacturer Address	No. 10-1, Li-hsin Road I, Science-Baded Industrial Park, Hsinchu 300, Taiwan, R.O.C.
Product Name	Starmate 4
Brand Name	Sirius
Model Name	ST4TK1
Received Date	Dec. 17, 2009
Final Test Date	Dec. 20, 2009

## 1. General Description of Equipment under Test

### For 88.1 MHz

Part	Description of Test	Under Limit
3.1	Radiated Emissions	5.04 dB
3.2	Field Strength of Fundamental Emissions	7.16 dB

Note: Due to the frequency shift for PK data equipment, the PK frequency should follow the AV data equipment in section 3.2.

### For 96.9 MHz

Part	Description of Test	Under Limit
3.1	Radiated Emissions	4.38 dB
3.2	Field Strength of Fundamental Emissions	0.32 dB

Note: Due to the frequency shift for PK data equipment, the PK frequency should follow the AV data equipment in section 3.2.

### For 107.9 MHz

Part	Description of Test	Under Limit
3.1	Radiated Emissions	6.02 dB
3.2	Field Strength of Fundamental Emissions	9.02 dB

Note: Due to the frequency shift for PK data equipment, the PK frequency should follow the AV data equipment in section 3.2.

## 2. GENERAL INFORMATION

### 2.1 Table for Carrier Frequencies

Frequency Band	Channel No.	Frequency
88 ~ 108MHz	1	88.1 MHz
	2	88.3 MHz
	:	:
	50	97.9 MHz
	51	98.1 MHz
	52	98.3 MHz
	:	:
	99	107.7 MHz
	100	107.9 MHz

### 2.2 Test Modes

#### <For 88.1 MHz>

Mode 1: Medium Car (Ford, MONDEO) + ST4TK1

Mode 2: Small Car (Mitsubishi, Lancer ) + ST4TK1

Mode 3: Large Car (Ford, IXION) + ST4TK1

#### <For 96.9 MHz>

Mode 4: Medium Car (Ford, MONDEO) + ST4TK1

Mode 5: Small Car (Mitsubishi, Lancer ) + ST4TK1

Mode 6: Large Car (Ford, IXION) + ST4TK1

#### <For 107.9 MHz>

Mode 7: Medium Car (Ford, MONDEO) + ST4TK1

Mode 8: Small Car (Mitsubishi, Lancer ) + ST4TK1

Mode 9: Large Car (Ford, IXION) + ST4TK1

### 2.3 Table for Testing Locations

Test Site No.	Site Category	Location
10CH01-HY	SAC	Hwa Ya

Semi Anechoic Chamber (SAC)

## 2.4 Test Procedure

1. Put the vehicle in the center of turn table and put the **Radio with Van Mount** in the car . The distance between Vehicle edge and Bi-Log antenna is 3 meters (**Need to adjust for different Radial Angel**). Connect DNP, SDPIV1(car dock), iFMCLA, Car antenna and audio adapter.
2. Play SMIQ and to make sure Radio works properly with channel name showing.
3. Tune the FM TX to specified frequency (Refer to Table 1). Set the polarization to vertical.
4. Turn **8 radial angles** and continuously move antenna height from 1m to 4m to record the maximum emission strength, antenna height with frequency range from 30MHz to 1100MHz. **Record the azimuth (specified 8 radials) for each data point**
5. Change polarization to horizontal and process the step 4 again.
6. Change Radio to other Radio and process the step 3 to 5 again.
7. Change to other 2 vehicles and process the step 3 to 6 again.

## 2.5 Measuring Instruments and Setting

### <Radiated Emissions>

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

### <Field Strength of Fundamental Emissions>

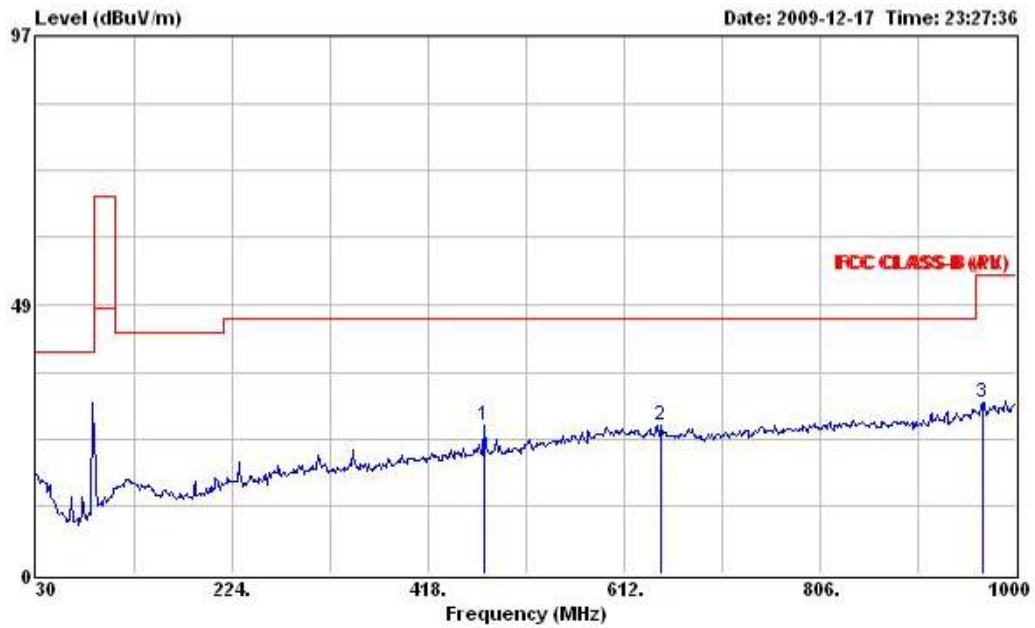
Receiver Parameter	Setting
Attenuation	Auto
Center Frequency	Fundamental Frequency
RB	120 KHz
Detector	Peak / QP / Average

### 3. TEST RESULT

#### 3.1 Results for Radiated Emissions

Temperature	20.3°C	Humidity	57.8%
Configurations	88.1 MHz/ 0° / Mode 1		

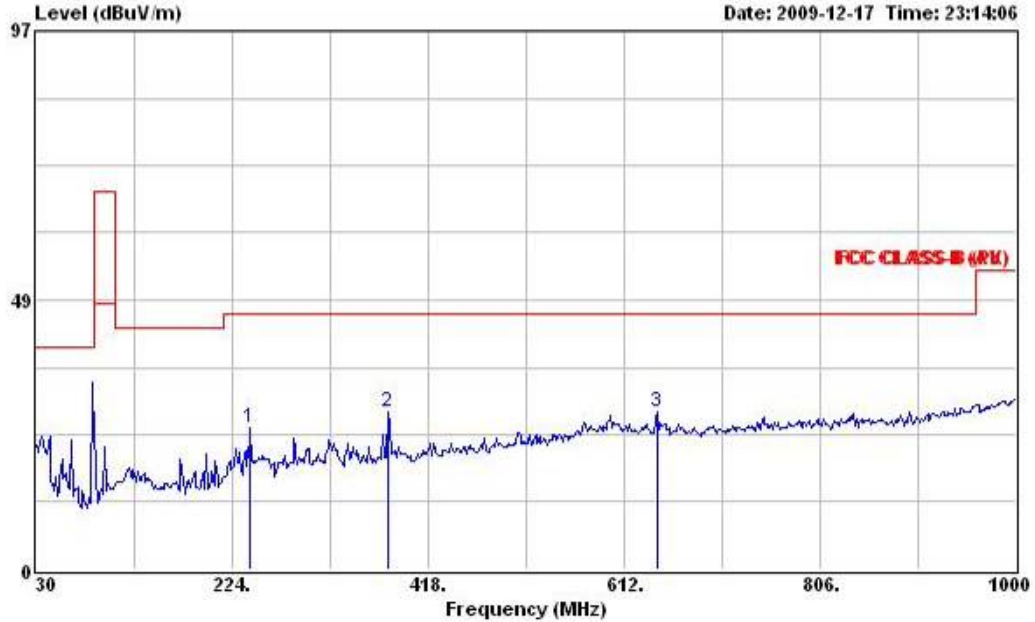
Horizontal



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 HORIZONTAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : FORD MONDEO  
 Memo : Medium CAR  
 Memo : 0度

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	474.260	26.82	-19.18	46.00	33.73	4.57	16.82	28.30	Peak	---	---
2	648.860	26.66	-19.34	46.00	30.26	5.23	19.52	28.35	Peak	---	---
3	967.020	30.92	-23.08	54.00	30.52	6.08	21.65	27.33	Peak	---	---

Vertical



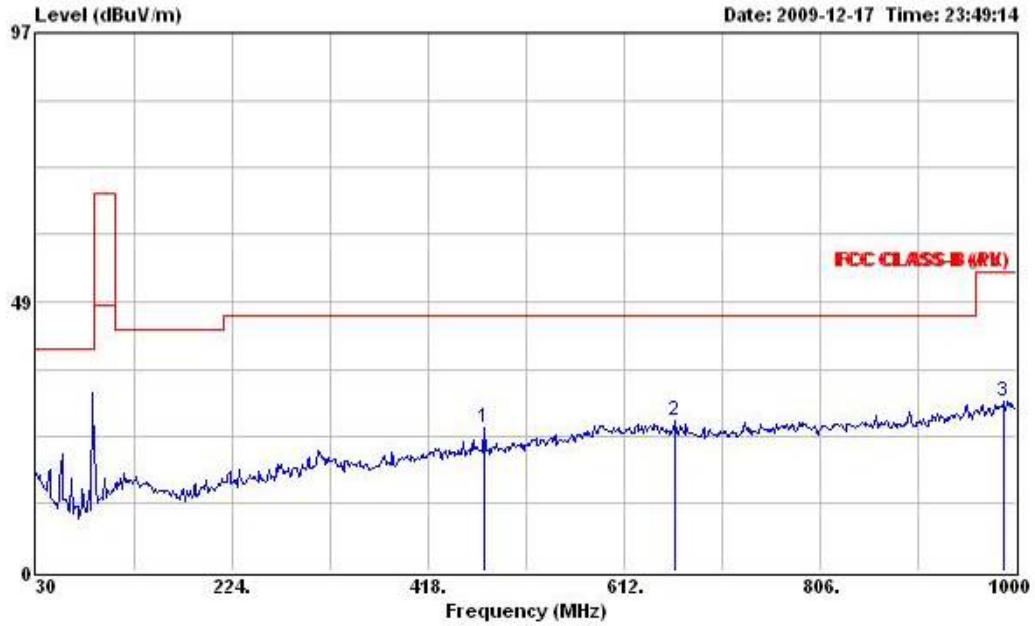
Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 VERTICAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : FORD MONDEO  
 Memo : Medium CAR  
 Memo : 0度

	Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Remark	Ant	Table
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	241.460	25.52	-20.48	46.00	37.25	3.36	12.39	27.48	Peak	---	---
2	378.230	28.28	-17.72	46.00	36.97	4.16	15.00	27.85	Peak	---	---
3	644.980	28.38	-17.62	46.00	31.93	5.23	19.57	28.35	Peak	---	---

Note: Emissions measured with the Average detector can be found in a separate section of this report.

Temperature	20.3°C	Humidity	57.8%
Configurations	88.1 MHz/ 45° / Mode 1		

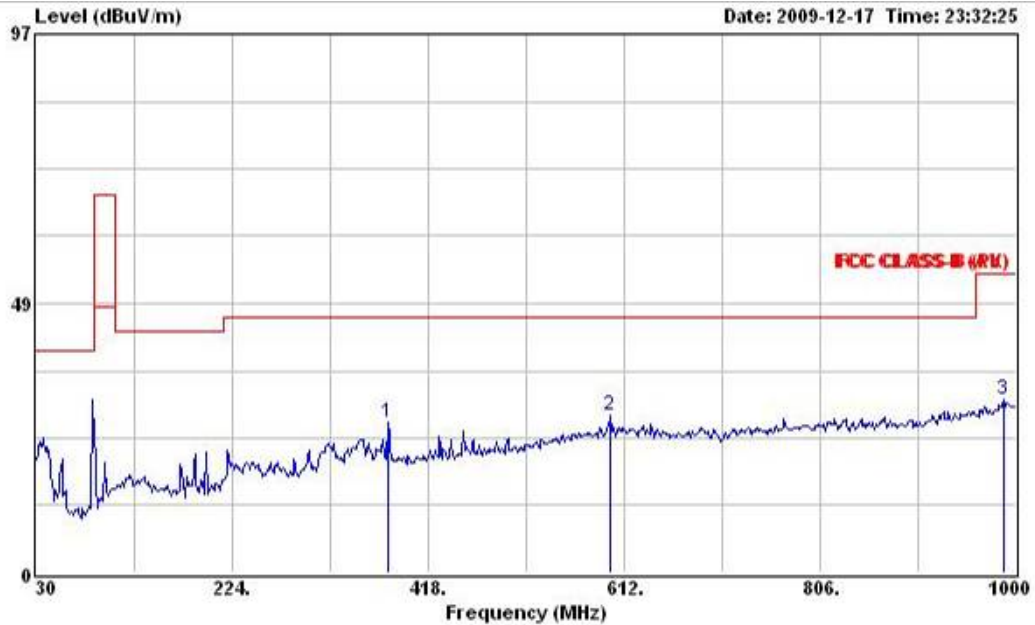
Horizontal



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 HORIZONTAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : FORD MONDEO  
 Memo : Medium CAR  
 Memo : 45度

	Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Remark	Ant	Table
	MHz	dBUV/m	Limit	Line	Level	Loss	Factor	Factor		Pos	Pos
			dB	dBUV/m	dBUV	dB	dB	dB		cm	deg
1	474.260	25.86	-20.14	46.00	32.77	4.57	16.82	28.30	Peak	---	---
2	661.470	27.08	-18.92	46.00	30.74	5.30	19.38	28.34	Peak	---	---
3	987.390	30.64	-23.36	54.00	29.56	6.14	22.19	27.25	Peak	---	---

Vertical



**Site** : 10CH01-HY  
**Condition** : FCC CLASS-B (PK) 3m AT-2681 VERTICAL  
**Model** : ST4TK1  
**Memo** : FCC ID:NKRUPAST410  
**Memo** : FM 88.1M  
**Memo** : FORD MONDEO  
**Memo** : Medium CAR  
**Memo** : 45度

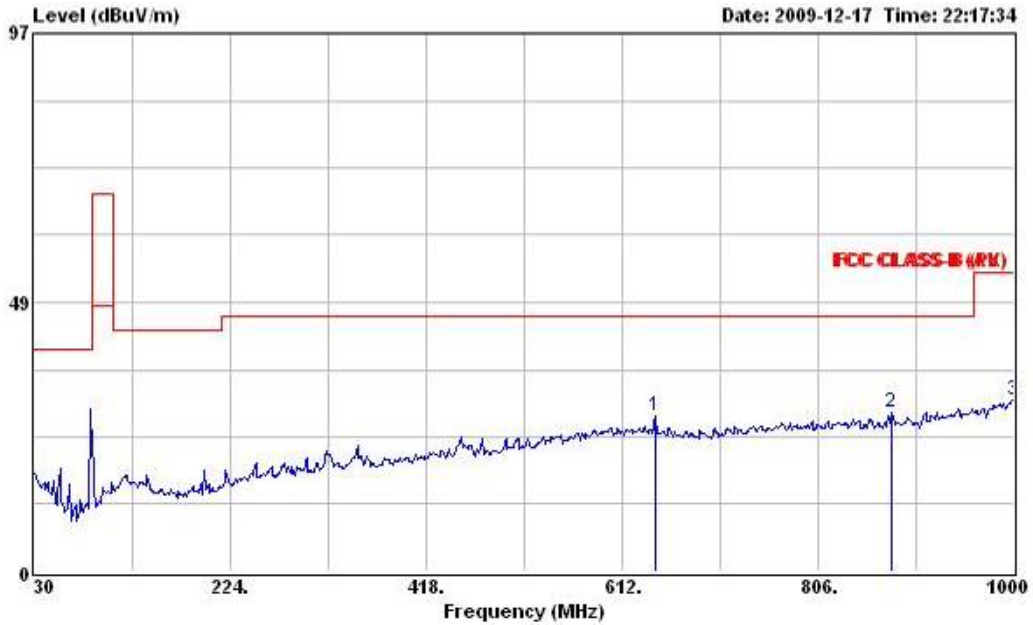
	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	378.230	26.97	-19.03	46.00	35.66	4.16	15.00	27.85	Peak	---	---
2	598.420	28.20	-17.80	46.00	31.32	5.25	20.03	28.40	Peak	---	---
3	987.390	31.15	-22.85	54.00	30.07	6.14	22.19	27.25	Peak	---	---

Note: Emissions measured with the Average detector can be found in a separate section of this report.



Temperature	20.3°C	Humidity	57.8%
Configurations	88.1 MHz/ 90° / Mode 1		

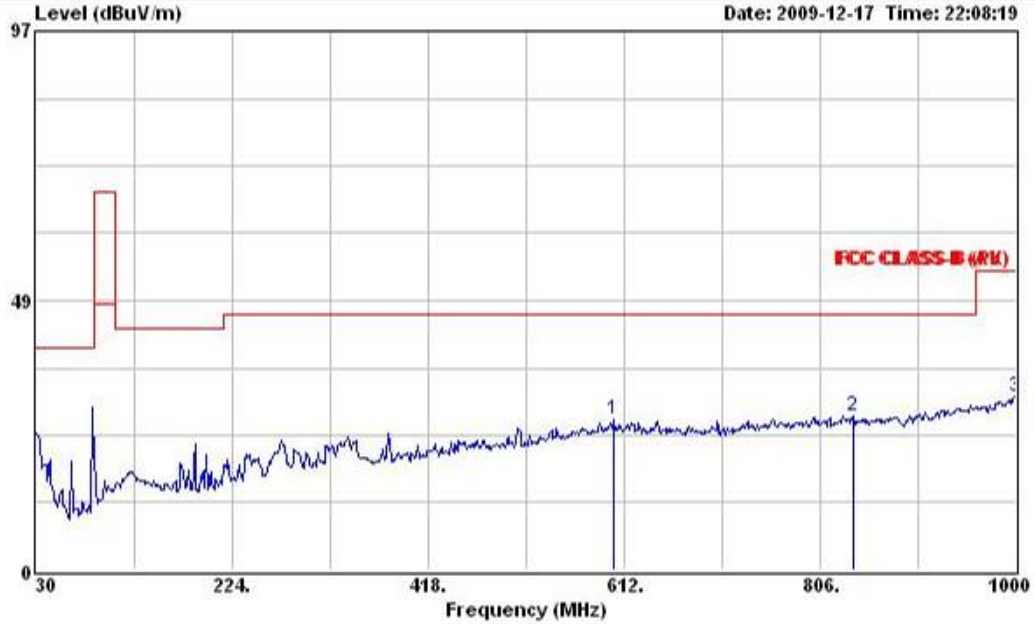
Horizontal



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 HORIZONTAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : FORD MONDEO  
 Memo : Medium CAR  
 Memo : 90度

	Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Remark	Ant	Table
	MHz	dBuV/m	dB	dBuV/m	dBuV	Loss	Factor	Factor		cm	deg
1	644.980	27.91	-18.09	46.00	31.46	5.23	19.57	28.35	Peak	---	---
2	878.750	28.65	-17.35	46.00	30.40	5.99	19.94	27.68	Peak	---	---
3	1000.000	30.78	-23.22	54.00	29.28	6.18	22.52	27.20	Peak	---	---

Vertical



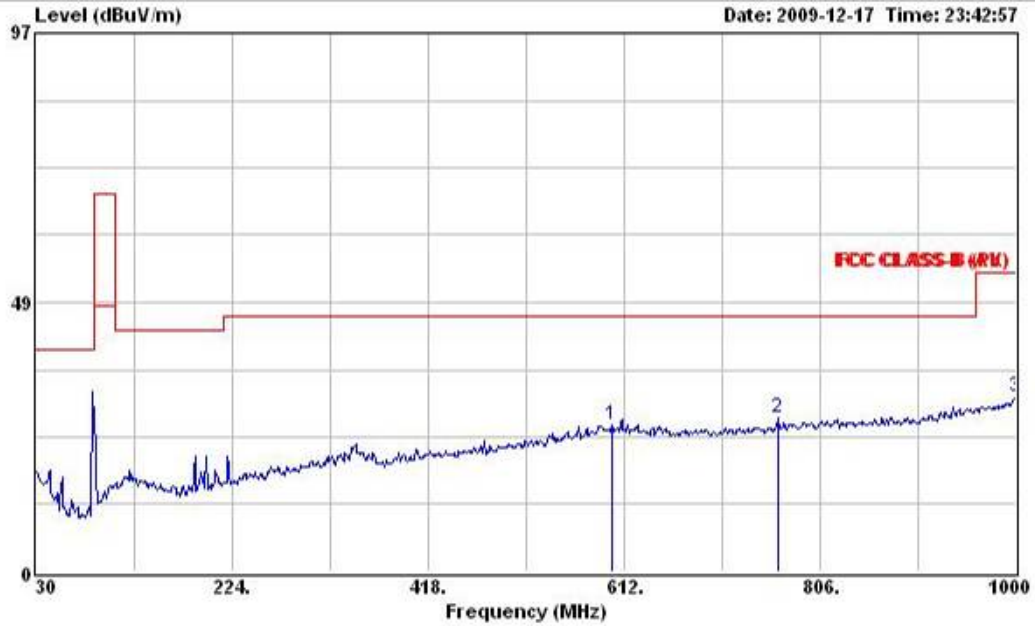
Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 VERTICAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : FORD MONDEO  
 Memo : Medium CAR  
 Memo : 90度

Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor	Preamp Factor	Remark	Ant Pos	Table Pos
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	602.300	27.02	-18.98	46.00	30.10	5.26	20.06	28.40 Peak	---	---
2	838.980	27.71	-18.29	46.00	29.70	5.79	20.06	27.84 Peak	---	---
3	1000.000	31.32	-22.68	54.00	29.82	6.18	22.52	27.20 Peak	---	---

Note: Emissions measured with the Average detector can be found in a separate section of this report.

Temperature	20.3°C	Humidity	57.8%
Configurations	88.1 MHz/ 135° / Mode 1		

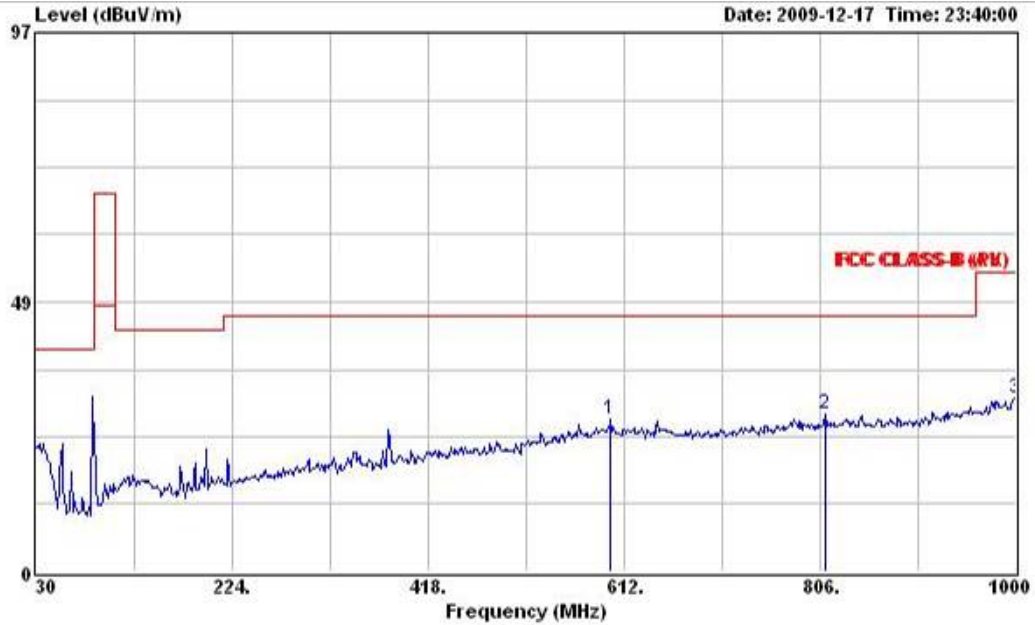
Horizontal



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 HORIZONTAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : FORD MONDEO  
 Memo : Medium CAR  
 Memo : 135度

	Freq	Level	Over	Limit	Read	Cable	Probe	Preamp		Ant	Table
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Factor	Remark	Pos	Pos
			dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	599.390	26.38	-19.62	46.00	29.48	5.25	20.05	28.40	Peak	---	---
2	765.260	27.72	-18.28	46.00	30.43	5.65	19.74	28.10	Peak	---	---
3	1000.000	31.34	-22.66	54.00	29.84	6.18	22.52	27.20	Peak	---	---

Vertical



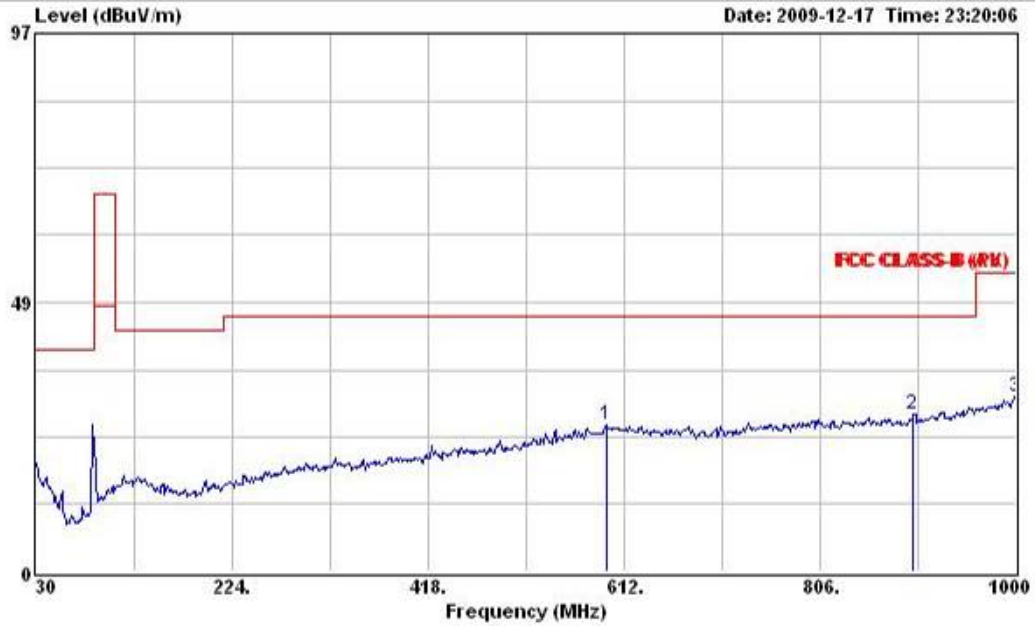
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 Condition : FCC CLASS-B (PK) 3m AT-2681 VERTICAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : FORD MONDEO  
 Memo : Medium CAR  
 Memo : 135度

	Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Remark	Ant	Table
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	598.420	27.31	-18.69	46.00	30.43	5.25	20.03	28.40	Peak	---	---
2	811.820	28.49	-17.51	46.00	30.73	5.57	20.14	27.95	Peak	---	---
3	1000.000	31.14	-22.86	54.00	29.64	6.18	22.52	27.20	Peak	---	---

Note: Emissions measured with the Average detector can be found in a separate section of this report.

Temperature	20.3°C	Humidity	57.8%
Configurations	88.1 MHz/ 180° / Mode 1		

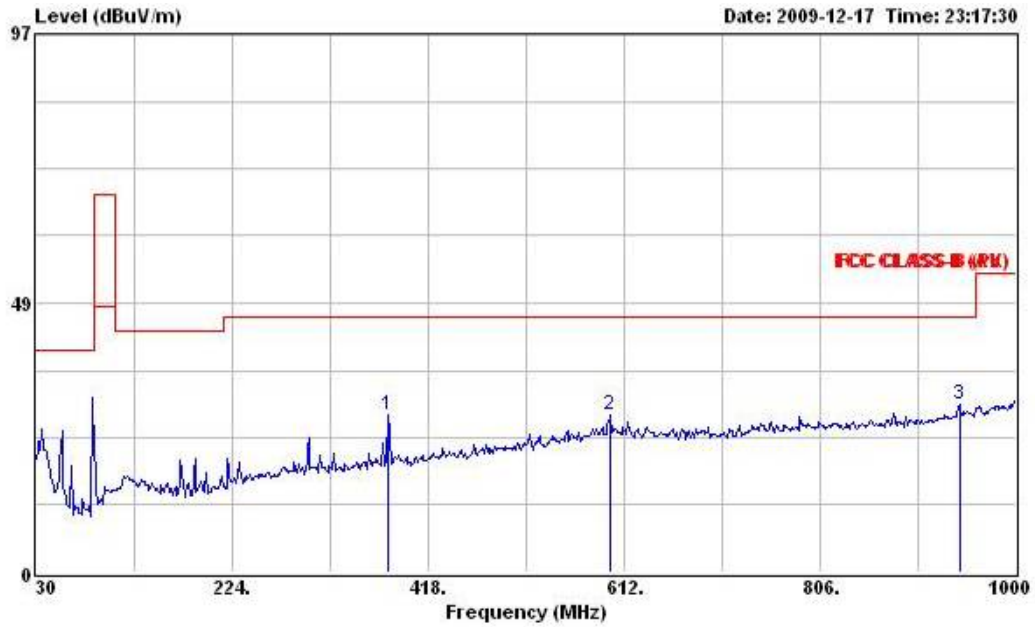
Horizontal



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 HORIZONTAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : FORD MONDEO  
 Memo : Medium CAR  
 Memo : 180度

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	594.540	26.33	-19.67	46.00	29.58	5.23	19.92	28.40	Peak	---	---
2	898.150	28.37	-17.63	46.00	30.03	6.06	19.89	27.61	Peak	---	---
3	1000.000	31.39	-22.61	54.00	29.89	6.18	22.52	27.20	Peak	---	---

Vertical



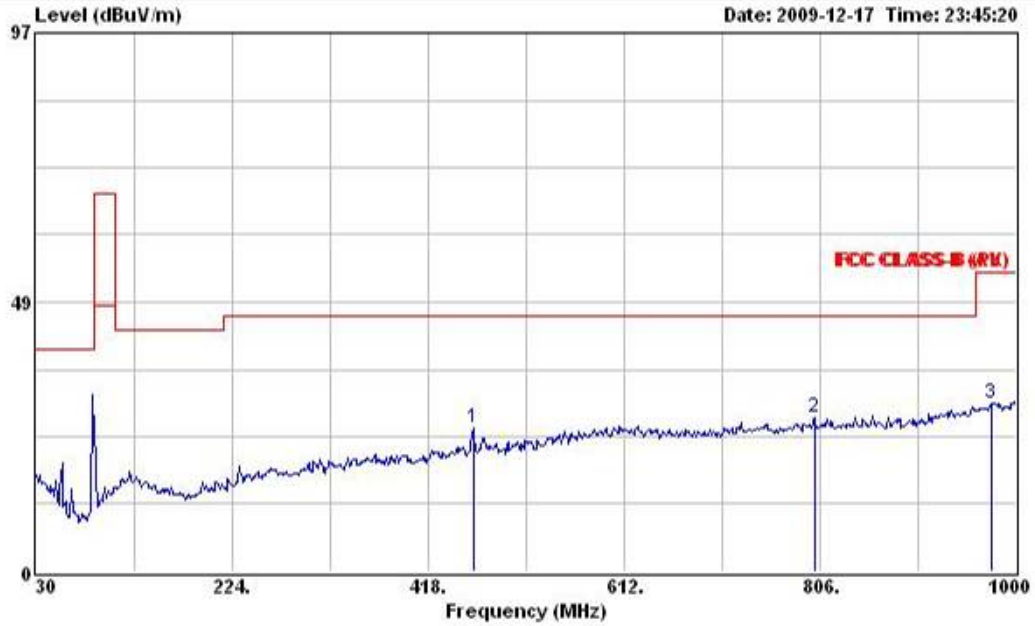
Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 VERTICAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : FORD MONDEO  
 Memo : Medium CAR  
 Memo : 180度

	Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Remark	Ant	Table
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	378.230	28.35	-17.65	46.00	37.04	4.16	15.00	27.85	Peak	---	---
2	598.420	28.23	-17.77	46.00	31.35	5.25	20.03	28.40	Peak	---	---
3	943.740	30.12	-15.88	46.00	30.49	6.02	21.03	27.42	Peak	---	---

Note: Emissions measured with the Average detector can be found in a separate section of this report.

Temperature	20.3°C	Humidity	57.8%
Configurations	88.1 MHz/ 225° / Mode 1		

Horizontal

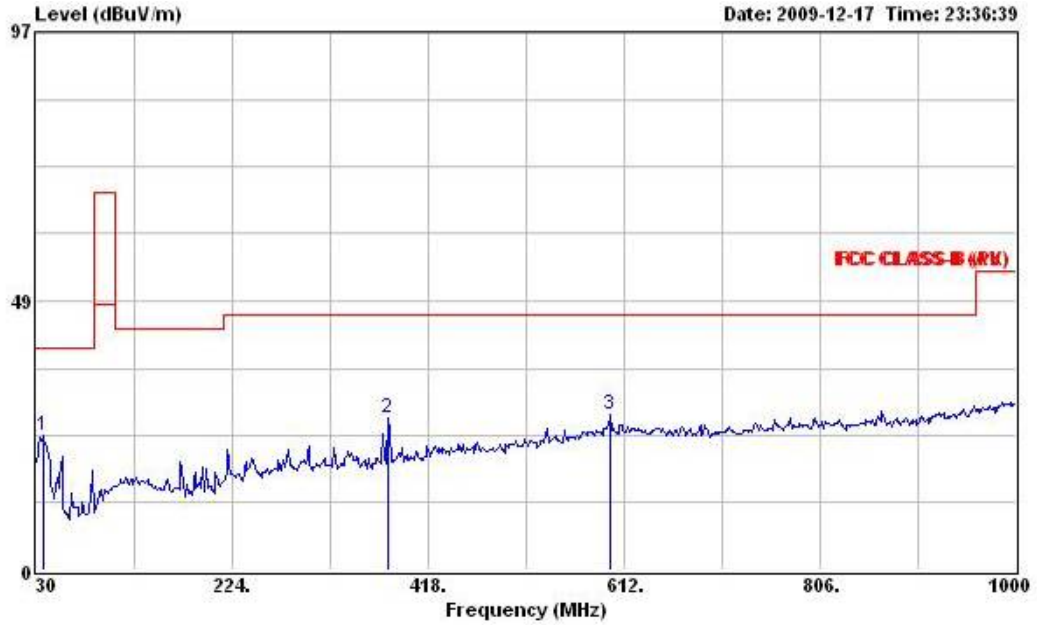


Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 HORIZONTAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : FORD MONDEO  
 Memo : Medium CAR  
 Memo : 225度

	Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Remark	Ant	Table
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	462.620	25.80	-20.20	46.00	32.92	4.54	16.59	28.25	Peak	---	---
2	800.180	27.83	-18.17	46.00	30.19	5.47	20.17	28.00	Peak	---	---
3	975.750	30.29	-23.71	54.00	29.60	6.10	21.88	27.29	Peak	---	---



Vertical



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 VERTICAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : FORD MONDEO  
 Memo : Medium CAR  
 Memo : 225度

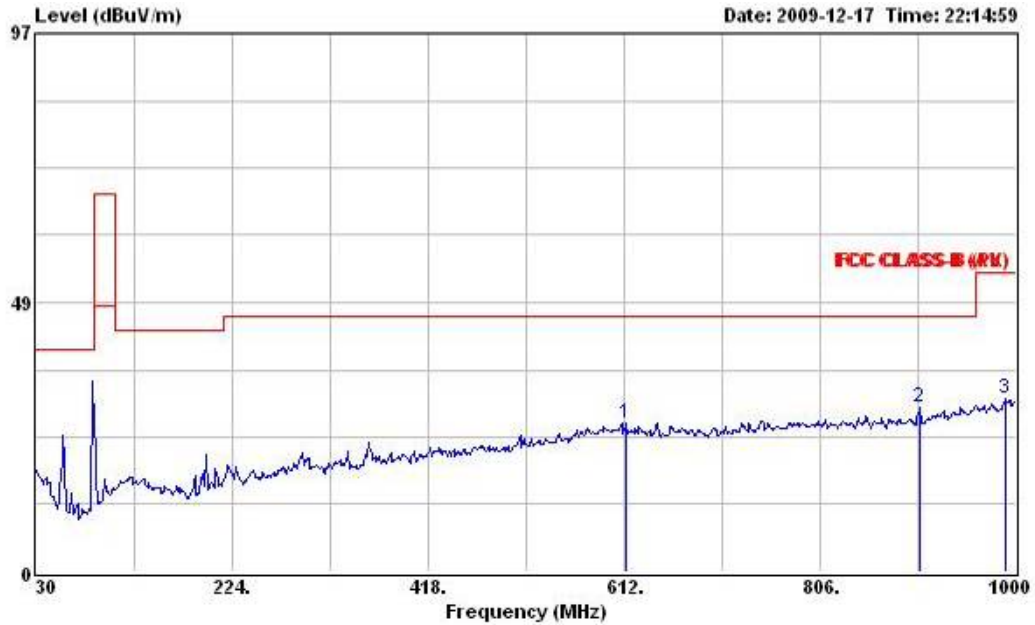
	Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Remark	Ant	Table
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	36.790	24.12	-15.88	40.00	36.76	1.36	14.23	28.23	Peak	---	---
2	378.230	27.30	-18.70	46.00	35.99	4.16	15.00	27.85	Peak	---	---
3	598.420	27.98	-18.02	46.00	31.10	5.25	20.03	28.40	Peak	---	---

Note: Emissions measured with the Average detector can be found in a separate section of this report.



Temperature	20.3°C	Humidity	57.8%
Configurations	88.1 MHz/ 270° / Mode 1		

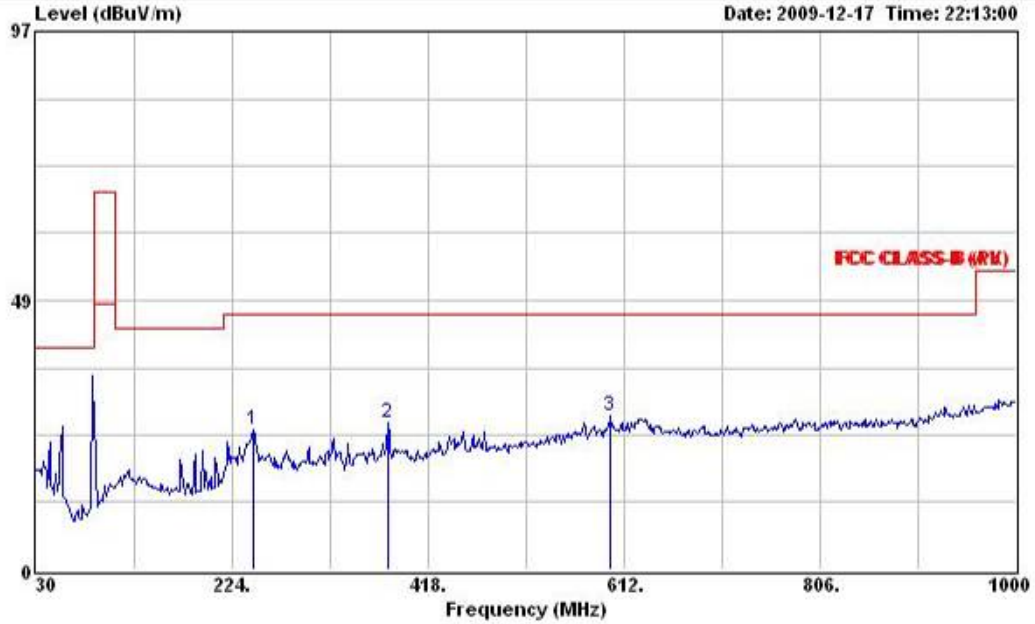
Horizontal



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 HORIZONTAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : FORD MONDEO  
 Memo : Medium CAR  
 Memo : 270度

	Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Remark	Ant	Table
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	613.940	26.88	-19.12	46.00	30.10	5.25	19.92	28.39	Peak	---	---
2	904.940	29.65	-16.35	46.00	31.16	6.06	20.01	27.58	Peak	---	---
3	990.300	31.03	-22.97	54.00	29.86	6.15	22.26	27.24	Peak	---	---

Vertical



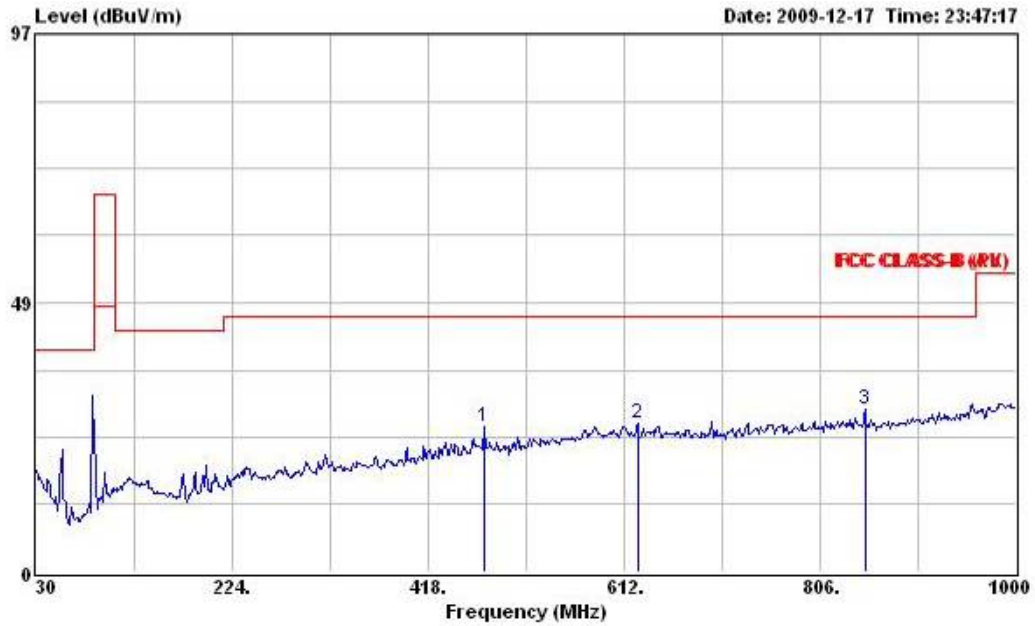
Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 VERTICAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : FORD MONDEO  
 Memo : Medium CAR  
 Memo : 270度

Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Remark	Ant	Table
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	245.340	25.27	-20.73	46.00	36.79	3.38	12.56	27.46 Peak	---	---
2	378.230	26.33	-19.67	46.00	35.02	4.16	15.00	27.85 Peak	---	---
3	598.420	27.75	-18.25	46.00	30.87	5.25	20.03	28.40 Peak	---	---

Note: Emissions measured with the Average detector can be found in a separate section of this report.

Temperature	20.3°C	Humidity	57.8%
Configurations	88.1 MHz/ 315° / Mode 1		

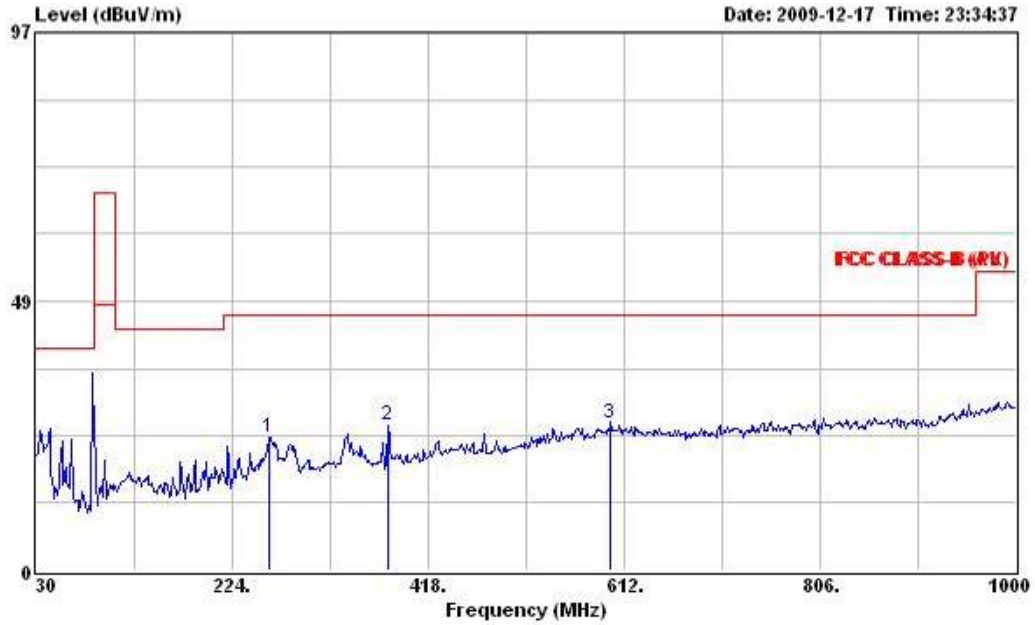
Horizontal



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 HORIZONTAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : FORD MONDEO  
 Memo : Medium CAR  
 Memo : 315度

	Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Remark	Ant	Table
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	474.260	26.18	-19.82	46.00	33.09	4.57	16.82	28.30	Peak	---	---
2	625.580	26.79	-19.21	46.00	30.13	5.24	19.79	28.37	Peak	---	---
3	850.620	29.15	-16.85	46.00	31.04	5.89	20.02	27.80	Peak	---	---

Vertical



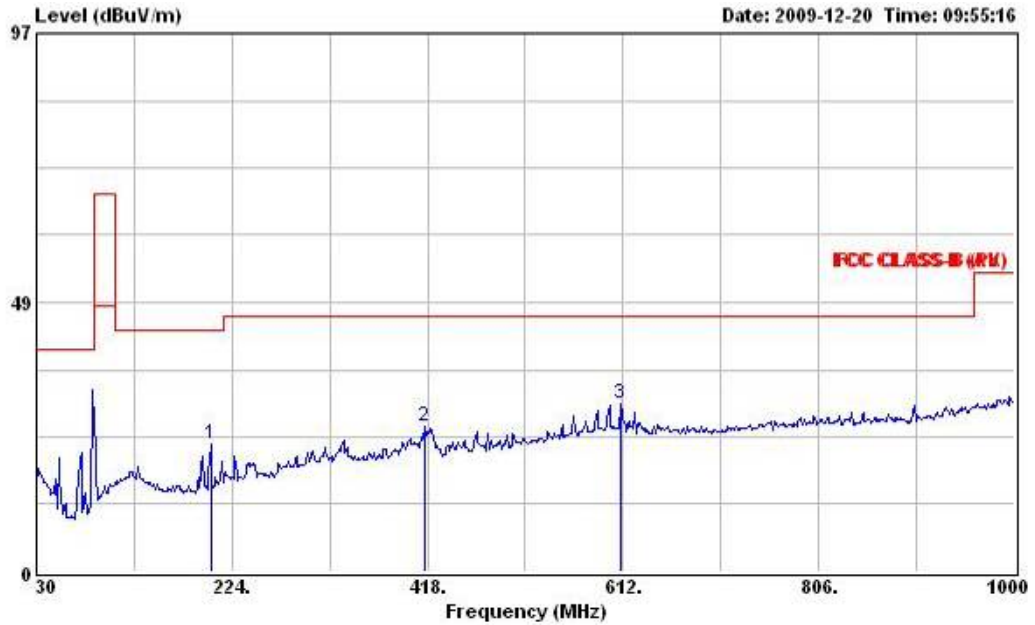
Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 VERTICAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : FORD MONDEO  
 Memo : Medium CAR  
 Memo : 315度

	Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Remark	Ant	Table
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	260.860	24.09	-21.91	46.00	35.01	3.50	13.00	27.42	Peak	---	---
2	378.230	26.07	-19.93	46.00	34.76	4.16	15.00	27.85	Peak	---	---
3	598.420	26.61	-19.39	46.00	29.73	5.25	20.03	28.40	Peak	---	---

Note: Emissions measured with the Average detector can be found in a separate section of this report.

Temperature	20.3°C	Humidity	57.8%
Configurations	88.1 MHz/ 0° / Mode 2		

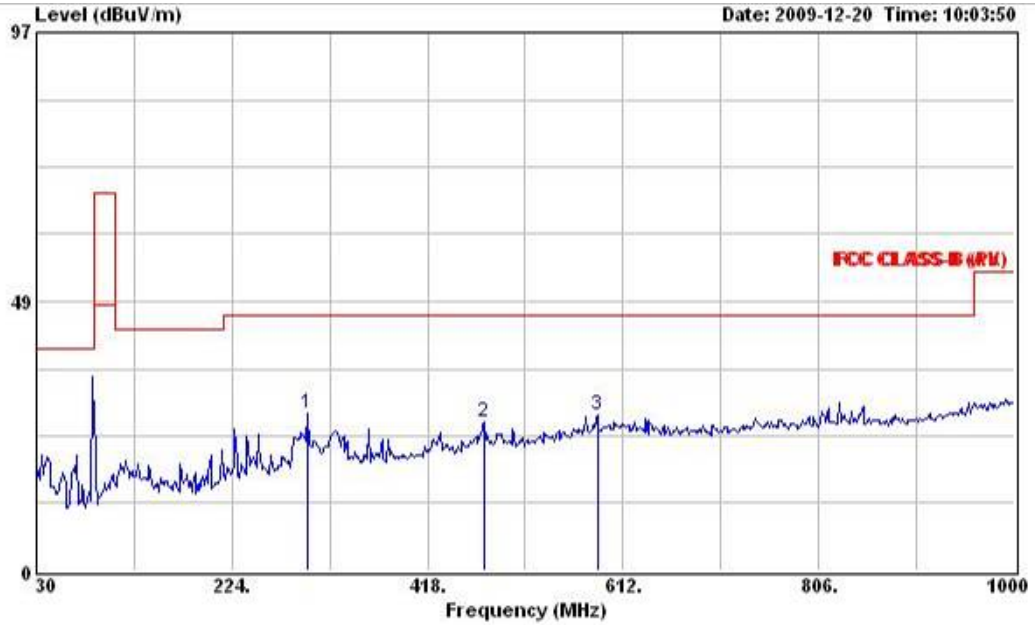
Horizontal



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 HORIZONTAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : Mitsubishi (LANCER GLXi)  
 Memo : Small CAR  
 Memo : 0度

	Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Remark	Ant	Table
	MHz	dBuV/m	dB	dBuV/m	dBuV	Loss	Factor	Factor		Pos	Pos
						dB	dB	dB		cm	deg
1	202.660	22.91	-20.59	43.50	36.67	3.20	10.63	27.59	Peak	---	---
2	416.060	26.22	-19.78	46.00	34.27	4.36	15.65	28.06	Peak	---	---
3	610.060	30.09	-15.91	46.00	33.26	5.25	19.97	28.39	Peak	---	---

Vertical



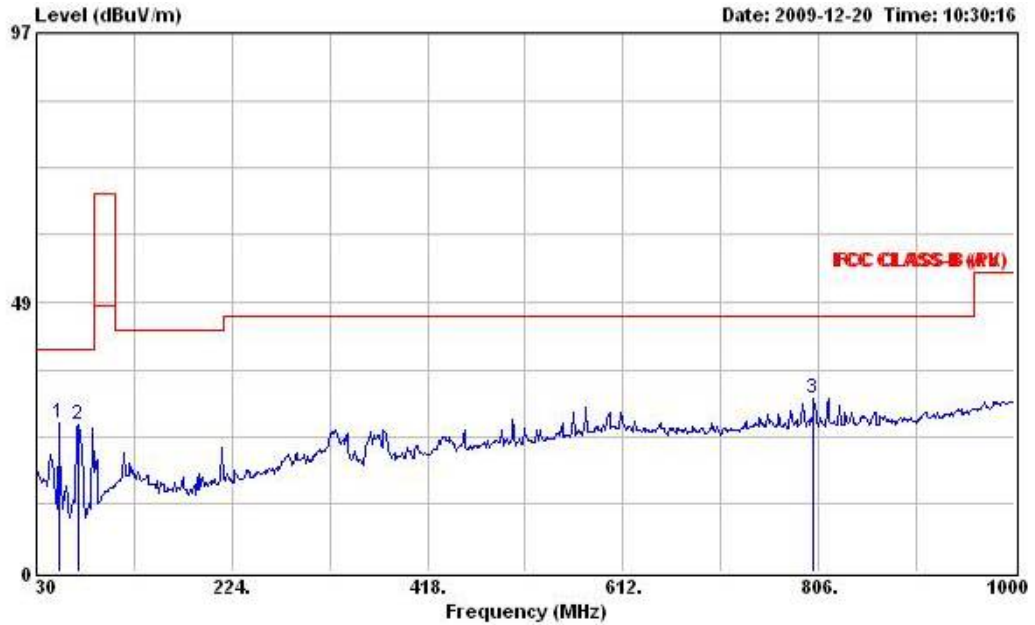
Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 VERTICAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : Mitsubishi ( LANCER GLXi )  
 Memo : Small CAR  
 Memo : 0度

	Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Remark	Ant	Table
	MHz	dBuV/m	dB	dBuV/m	dBuV	Loss	Factor	Factor		Pos	Pos
						dB	dB	dB		cm	deg
1	299.660	28.26	-17.74	46.00	37.91	3.85	13.80	27.30	Peak	---	---
2	474.260	26.78	-19.22	46.00	33.69	4.57	16.82	28.30	Peak	---	---
3	586.780	28.05	-17.95	46.00	31.54	5.20	19.71	28.40	Peak	---	---

Note: Emissions measured with the Average detector can be found in a separate section of this report.

Temperature	20.3°C	Humidity	57.8%
Configurations	88.1 MHz/ 45° / Mode 2		

Horizontal

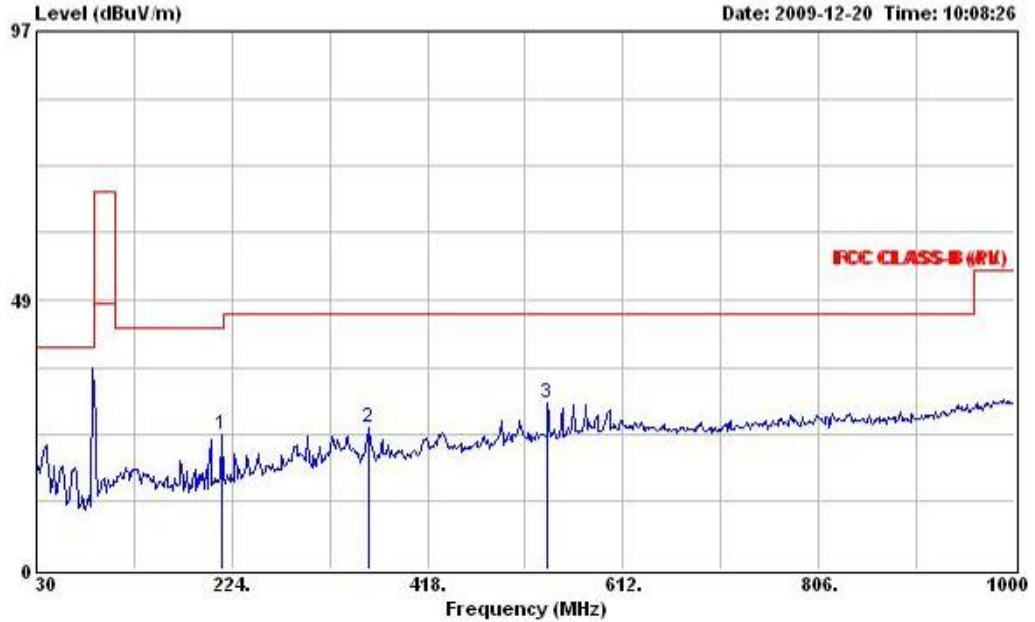


Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 HORIZONTAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : Mitsubishi (LANCER GLXi)  
 Memo : Small CAR  
 Memo : 45度

	Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Remark	Ant	Table
	MHz	dBuV/m	dB	dBuV/m	dBuV	Loss	Factor	Factor		cm	deg
1	52.310	26.85	-13.15	40.00	44.09	1.68	9.27	28.19	Peak	---	---
2	71.710	26.60	-13.40	40.00	45.70	1.96	7.10	28.16	Peak	---	---
3	801.150	31.25	-14.75	46.00	33.59	5.48	20.17	27.99	Peak	---	---



Vertical



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 VERTICAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : Mitsubishi (LANCER GLXi)  
 Memo : Small CAR  
 Memo : 45度

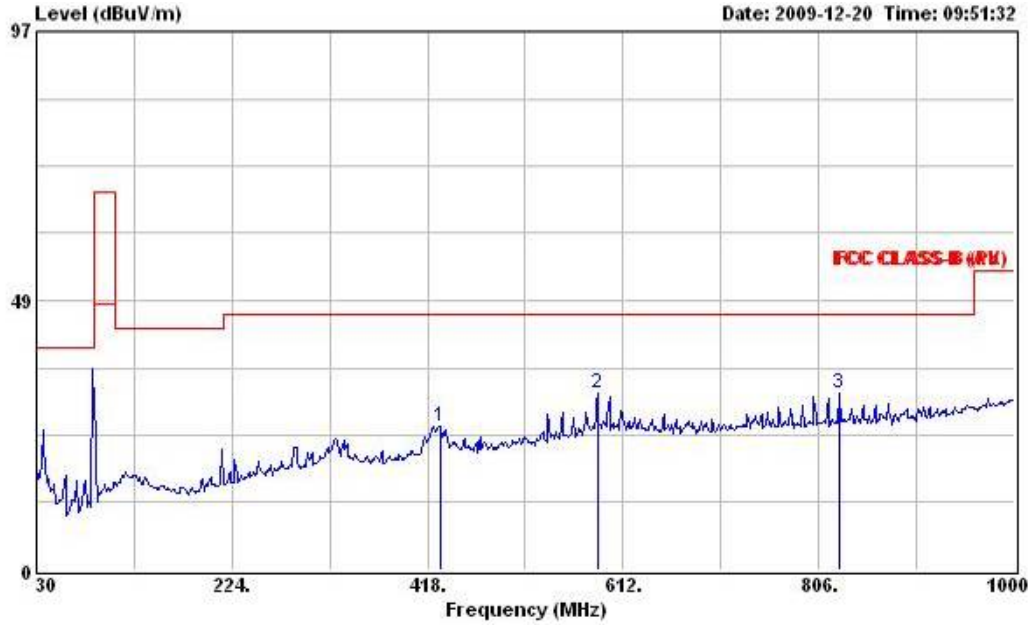
Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Remark	Ant	Table
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	214.300	24.19	-19.31	43.50	37.34	3.25	11.16	27.56 Peak	---	---
2	358.830	25.50	-20.50	46.00	34.46	4.05	14.70	27.71 Peak	---	---
3	537.310	29.83	-16.17	46.00	34.95	4.92	18.36	28.40 Peak	---	---

Note: Emissions measured with the Average detector can be found in a separate section of this report.



Temperature	20.3°C	Humidity	57.8%
Configurations	88.1 MHz/ 90° / Mode 2		

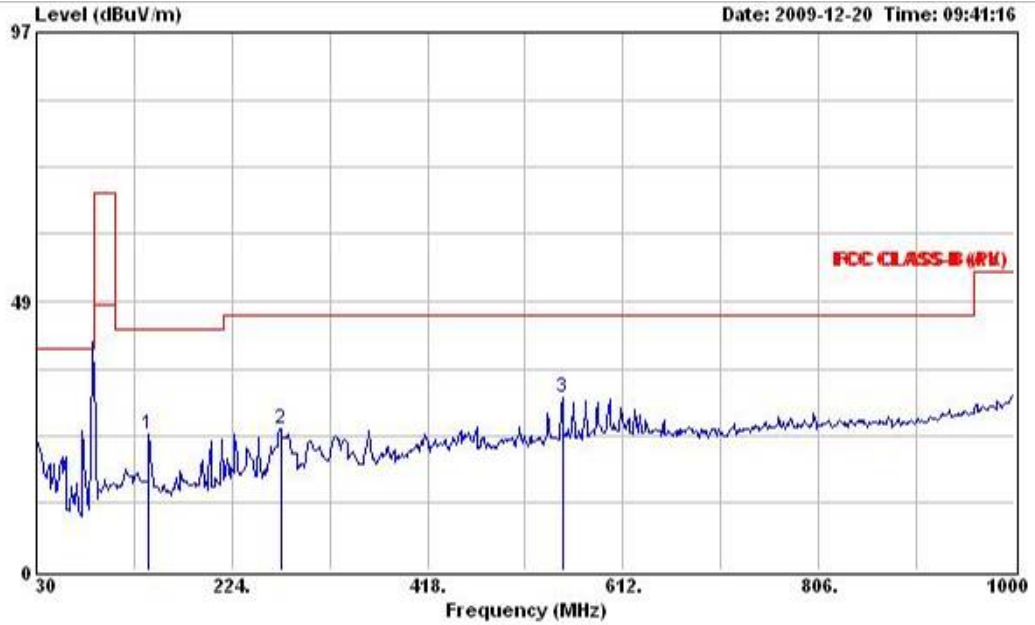
Horizontal



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 HORIZONTAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : Mitsubishi (LANCER GLXi)  
 Memo : Small CAR  
 Memo : 90度

	Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Remark	Ant	Table
	MHz	dBuV/m	dB	dBuV/m	dBuV	Loss	Factor	Factor		Pos	Pos
						dB	dB	dB		cm	deg
1	431.580	25.94	-20.06	46.00	33.67	4.43	15.96	28.12	Peak	---	---
2	586.780	31.95	-14.05	46.00	35.44	5.20	19.71	28.40	Peak	---	---
3	827.340	31.71	-14.29	46.00	33.81	5.70	20.09	27.89	Peak	---	---

Vertical



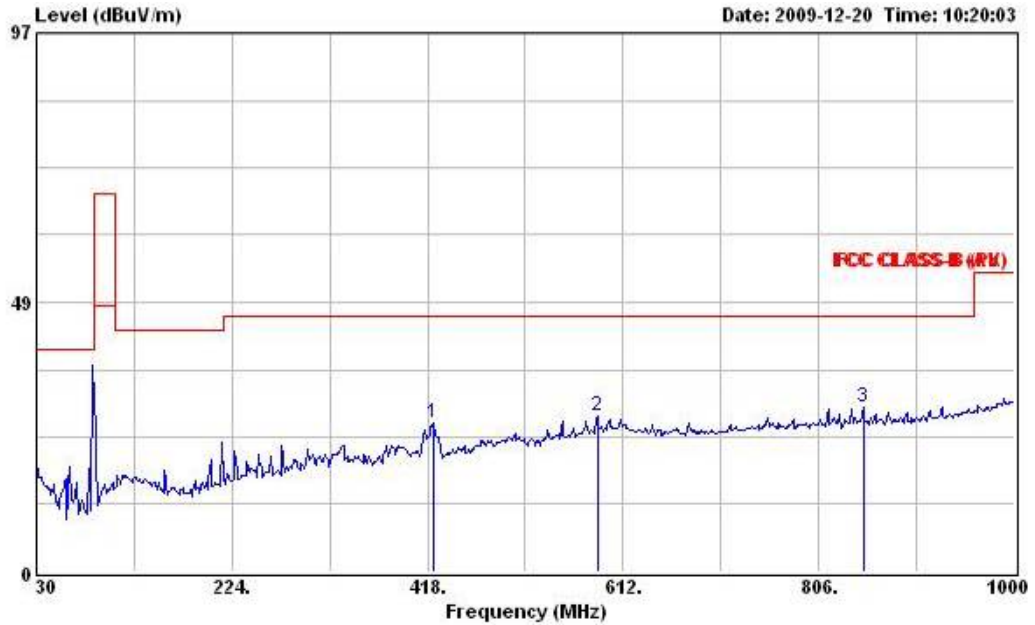
Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 VERTICAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : Mitsubishi ( LANCER GLXi )  
 Memo : Small CAR  
 Memo : 90度

	Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Remark	Ant	Table
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	141.550	24.47	-19.03	43.50	37.55	2.78	12.03	27.89	Peak	---	---
2	272.500	25.60	-20.40	46.00	36.13	3.61	13.24	27.38	Peak	---	---
3	551.860	31.15	-14.85	46.00	35.76	5.04	18.75	28.40	Peak	---	---

Note: Emissions measured with the Average detector can be found in a separate section of this report.

Temperature	20.3°C	Humidity	57.8%
Configurations	88.1 MHz/ 135° / Mode 2		

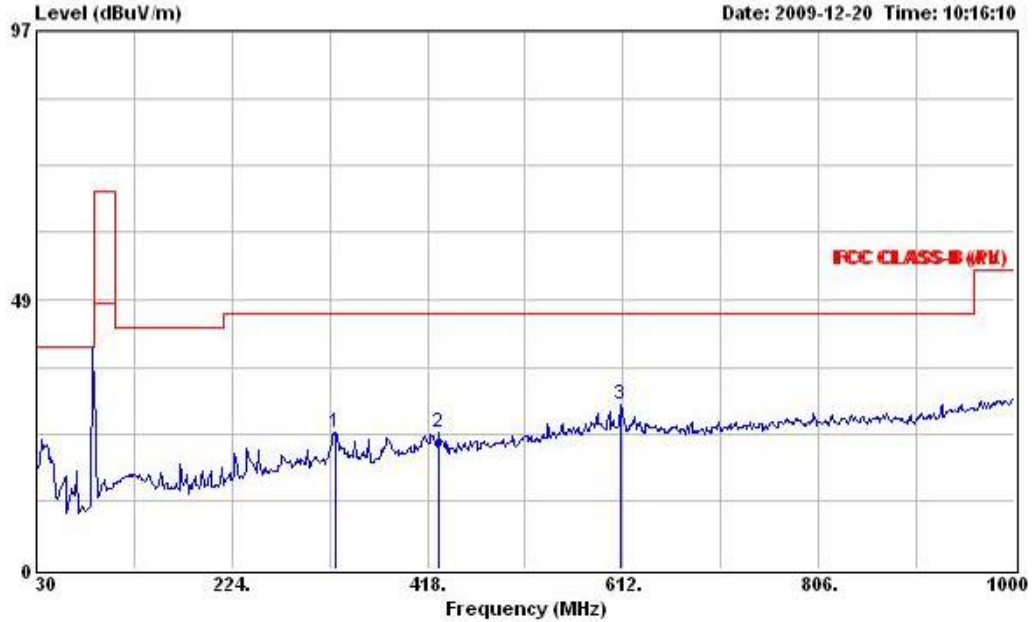
Horizontal



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 HORIZONTAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : Mitsubishi (LANCER GLXi)  
 Memo : Small CAR  
 Memo : 135度

	Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Remark	Ant	Table
	MHz	dBuV/m	dB	dBuV/m	dBuV	Loss	Factor	Factor		Pos	Pos
						dB	dB	dB		cm	deg
1	423.820	26.68	-19.32	46.00	34.57	4.39	15.81	28.09	Peak	---	---
2	586.780	28.05	-17.95	46.00	31.54	5.20	19.71	28.40	Peak	---	---
3	850.620	29.48	-16.52	46.00	31.37	5.89	20.02	27.80	Peak	---	---

Vertical



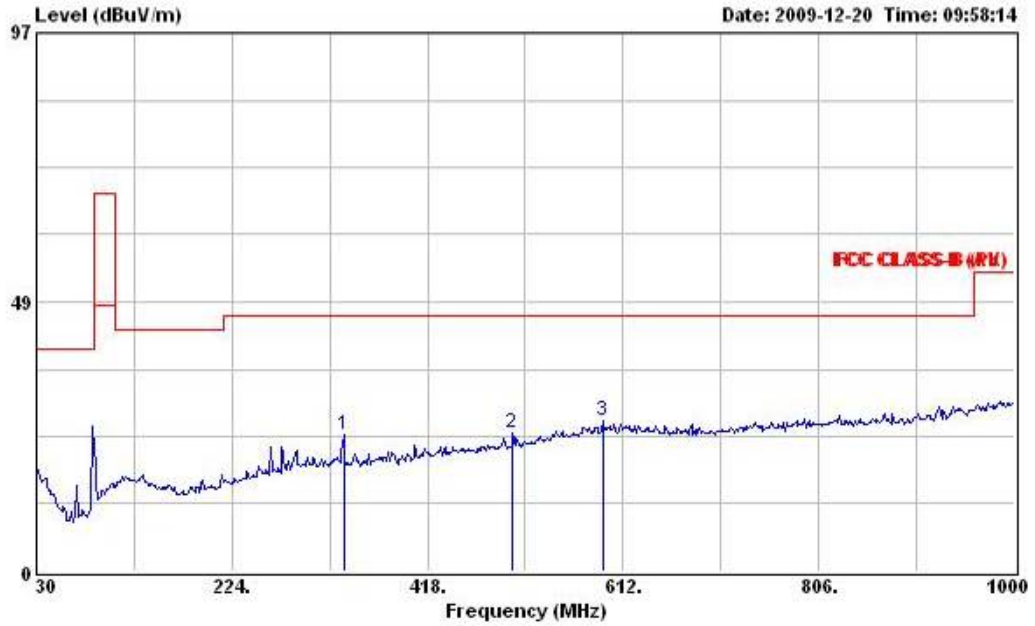
Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 VERTICAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : Mitsubishi (LANCER GLXi)  
 Memo : Small CAR  
 Memo : 135度

Peak	Freq MHz	Level dBuV/m	Over Limit dB	Limit Line dBuV/m	Read Level dBuV	Cable Loss dB	Probe Factor dB	Preamp Factor dB	Remark	Ant Pos cm	Table Pos deg
1	326.820	24.69	-21.31	46.00	34.03	3.93	14.21	27.48	Peak	---	---
2	428.670	24.62	-21.38	46.00	32.41	4.41	15.91	28.11	Peak	---	---
3	610.060	29.48	-16.52	46.00	32.65	5.25	19.97	28.39	Peak	---	---

Note: Emissions measured with the Average detector can be found in a separate section of this report.

Temperature	20.3°C	Humidity	57.8%
Configurations	88.1 MHz/ 180° / Mode 2		

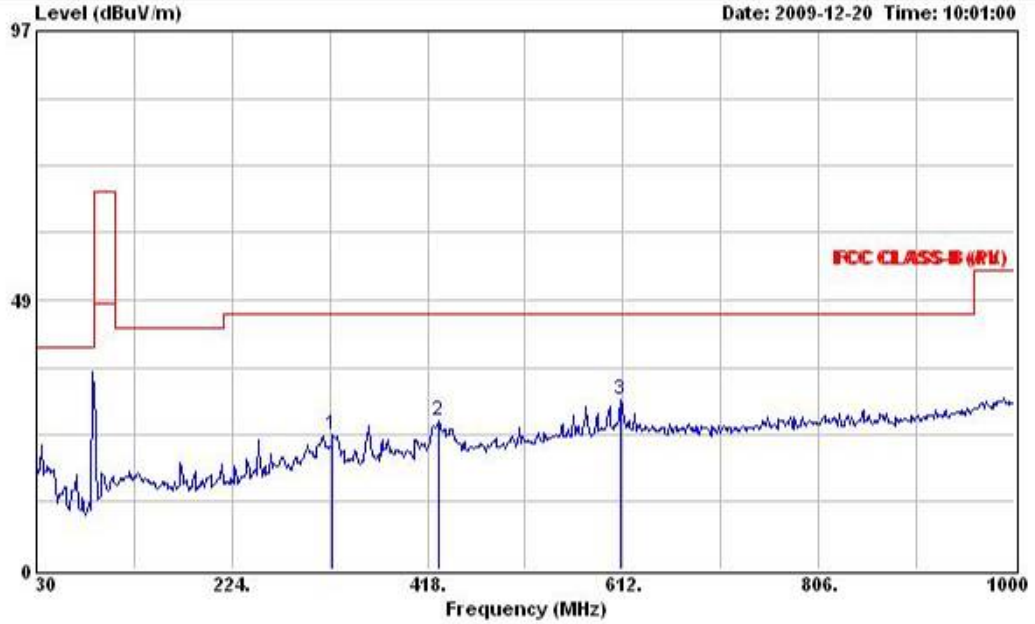
Horizontal



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 HORIZONTAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : Mitsubishi (LANCER GLXi)  
 Memo : Small CAR  
 Memo : 180度

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBUV/m	dB	dBUV/m	dBUV	dB	dB	dB		cm	deg
1	334.580	24.72	-21.28	46.00	33.97	3.96	14.33	27.54	Peak	---	---
2	502.390	24.97	-21.03	46.00	31.32	4.65	17.40	28.40	Peak	---	---
3	591.630	27.09	-18.91	46.00	30.43	5.22	19.84	28.40	Peak	---	---

Vertical



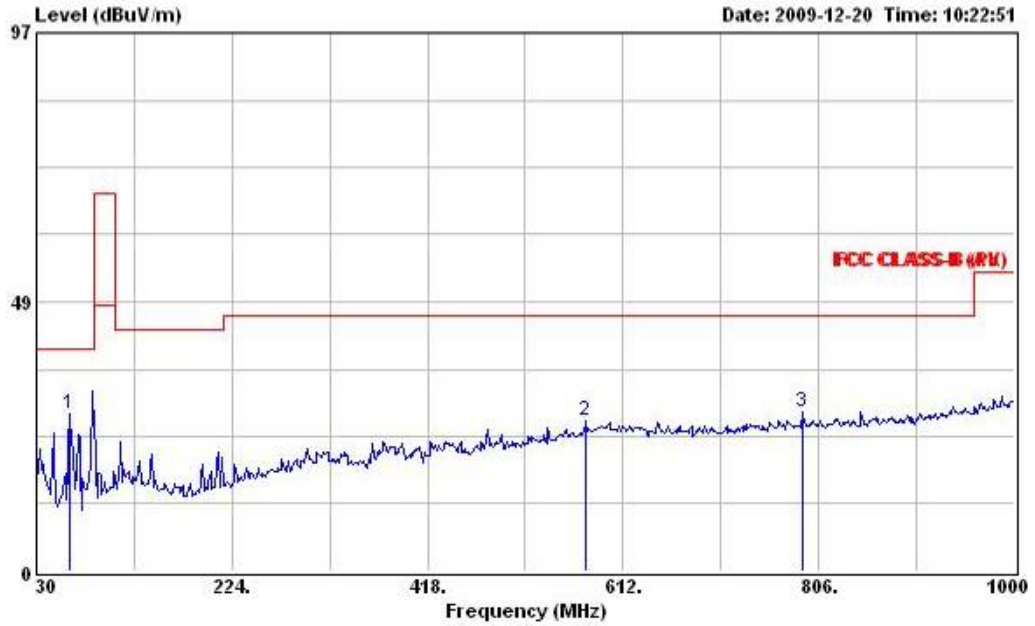
Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 VERTICAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : Mitsubishi ( LANCER GLXi )  
 Memo : Small CAR  
 Memo : 180度

Peak	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	323.910	24.30	-21.70	46.00	33.66	3.93	14.17	27.46	Peak	---	---
2	428.670	26.85	-19.15	46.00	34.64	4.41	15.91	28.11	Peak	---	---
3	610.060	30.70	-15.30	46.00	33.87	5.25	19.97	28.39	Peak	---	---

Note: Emissions measured with the Average detector can be found in a separate section of this report.

Temperature	20.3°C	Humidity	57.8%
Configurations	88.1 MHz/ 225° / Mode 2		

Horizontal

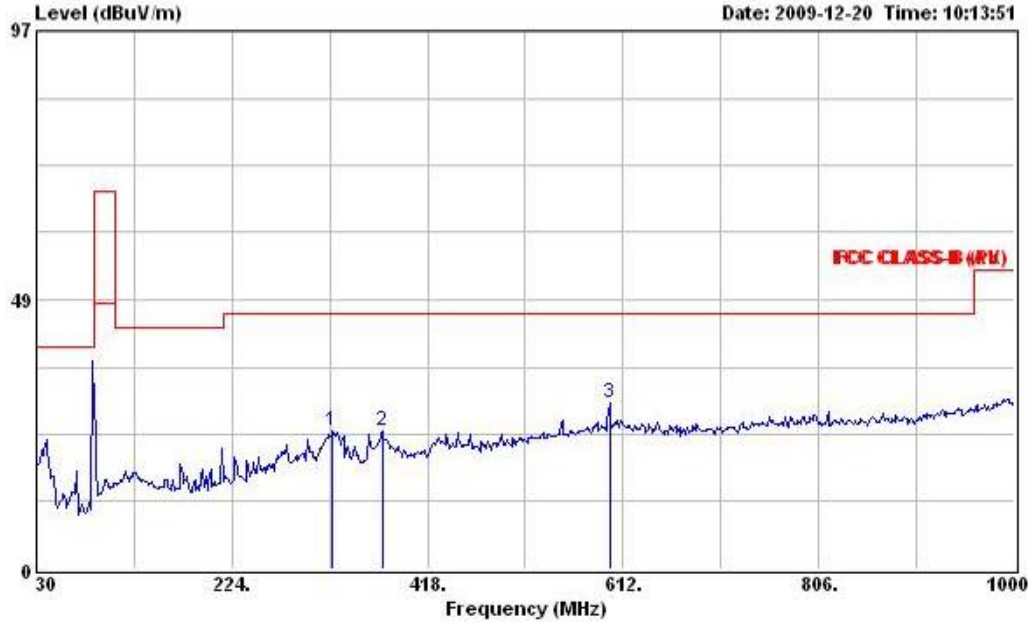


Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 HORIZONTAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : Mitsubishi ( LANCER GLXi )  
 Memo : Small CAR  
 Memo : 225度

	Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Remark	Ant	Table
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	62.980	28.28	-11.72	40.00	47.44	1.93	7.08	28.17	Peak	---	---
2	575.140	27.08	-18.92	46.00	30.95	5.14	19.39	28.40	Peak	---	---
3	789.510	28.62	-17.38	46.00	31.08	5.53	20.04	28.03	Peak	---	---



Vertical



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 VERTICAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : Mitsubishi (LANCER GLXi)  
 Memo : Small CAR  
 Memo : 225度

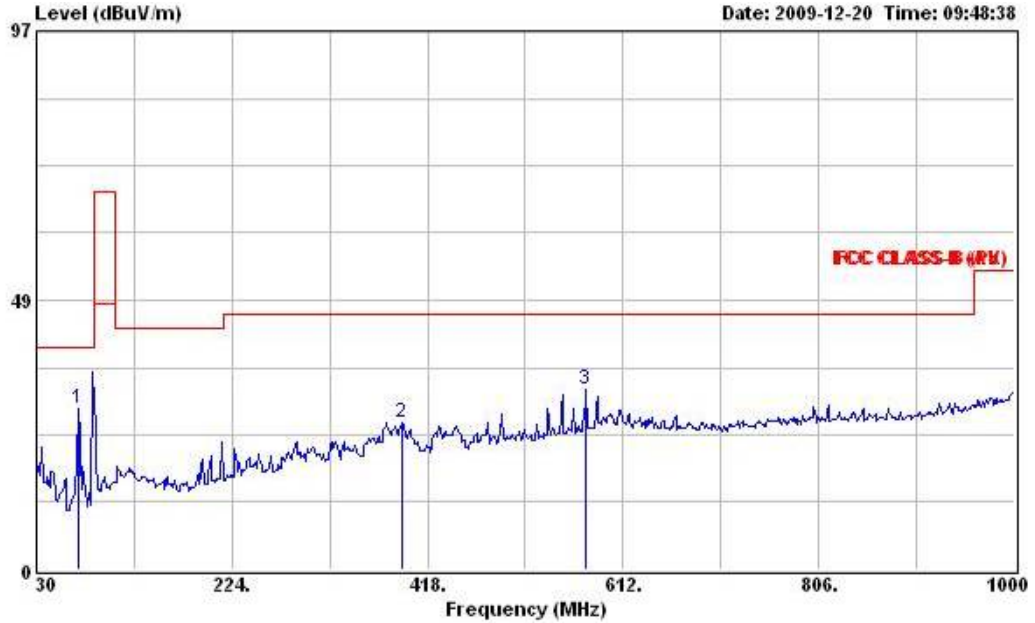
	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	323.910	24.83	-21.17	46.00	34.19	3.93	14.17	27.46	Peak	---	---
2	373.380	24.87	-21.13	46.00	33.62	4.14	14.92	27.81	Peak	---	---
3	598.420	30.03	-15.97	46.00	33.15	5.25	20.03	28.40	Peak	---	---

Note: Emissions measured with the Average detector can be found in a separate section of this report.



Temperature	20.3°C	Humidity	57.8%
Configurations	88.1 MHz/ 270° / Mode 2		

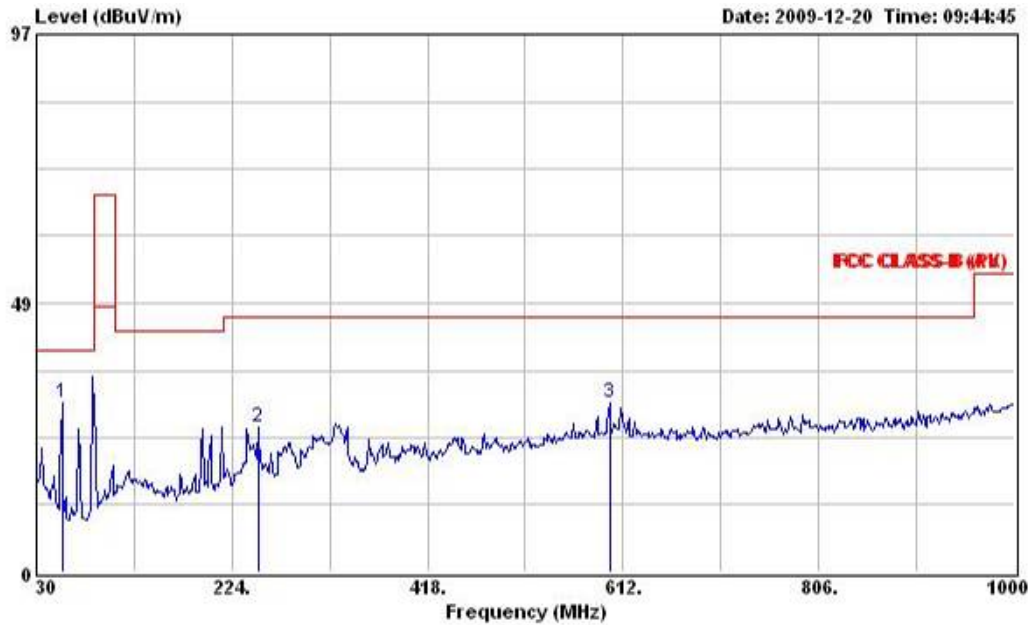
Horizontal



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 HORIZONTAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : Mitsubishi (LANCER GLXi)  
 Memo : Small CAR  
 Memo : 270度

	Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Remark	Ant	Table
	MHz	dBuV/m	dB	dBuV/m	dBuV	Loss	Factor	Factor		Pos	Pos
						dB	dB	dB		cm	deg
1	71.710	29.04	-10.96	40.00	48.14	1.96	7.10	28.16	Peak	---	---
2	392.780	26.59	-19.41	46.00	35.07	4.25	15.22	27.95	Peak	---	---
3	575.140	32.59	-13.41	46.00	36.46	5.14	19.39	28.40	Peak	---	---

Vertical



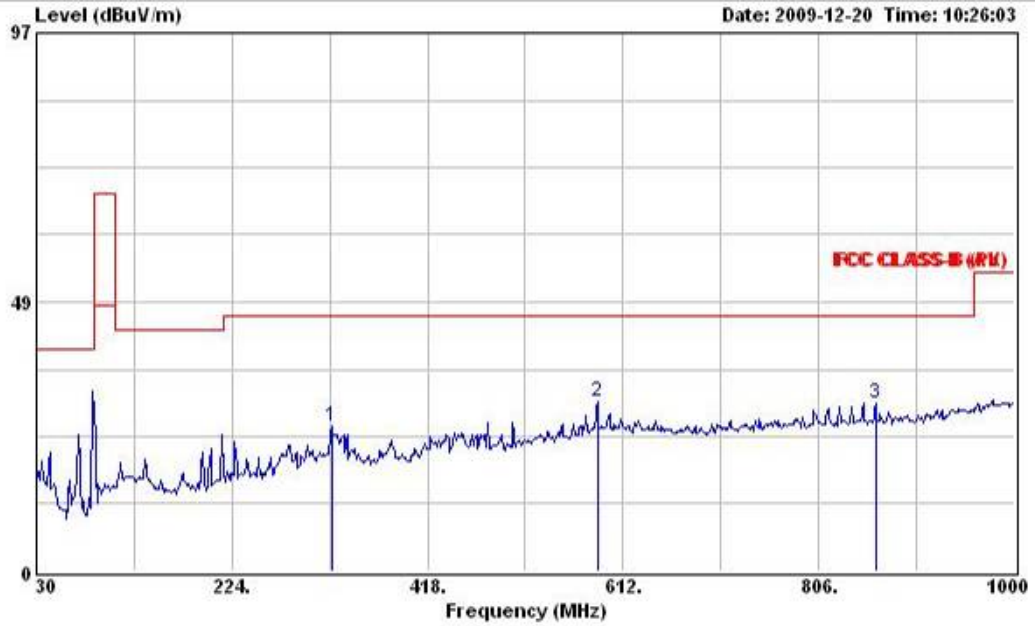
Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 VERTICAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : Mitsubishi ( LANCER GLXi )  
 Memo : Small CAR  
 Memo : 270度

	Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Remark	Ant	Table
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	55.220	30.44	-9.56	40.00	48.42	1.74	8.47	28.19	Peak	---	---
2	250.190	26.12	-19.88	46.00	37.39	3.40	12.78	27.45	Peak	---	---
3	598.420	30.55	-15.45	46.00	33.67	5.25	20.03	28.40	Peak	---	---

Note: Emissions measured with the Average detector can be found in a separate section of this report.

Temperature	20.3°C	Humidity	57.8%
Configurations	88.1 MHz/ 315° / Mode 2		

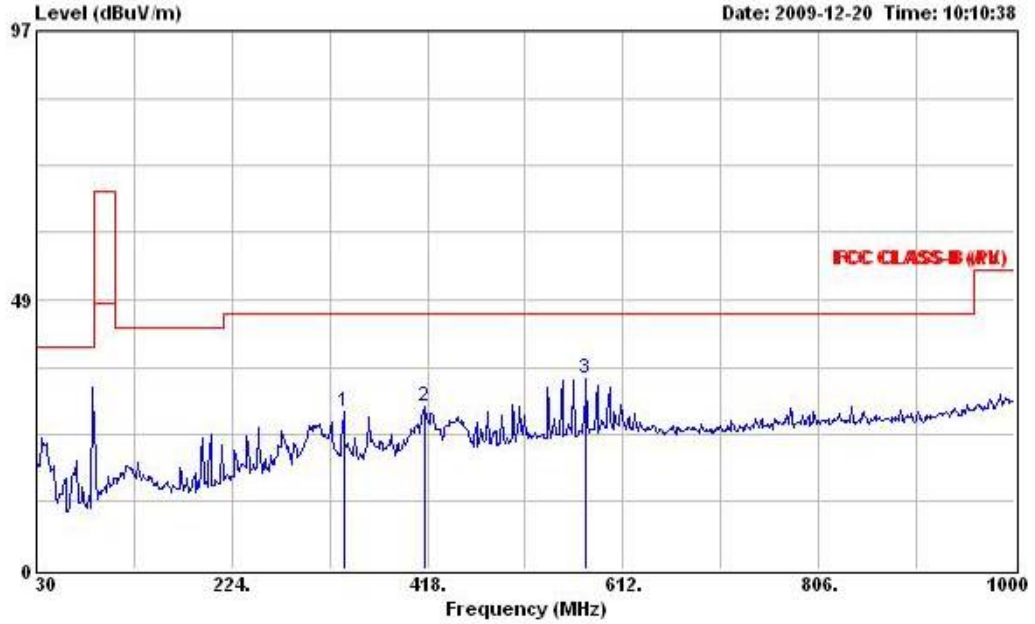
Horizontal



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 HORIZONTAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : Mitsubishi ( LANCER GLXi )  
 Memo : Small CAR  
 Memo : 315度

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	322.940	26.10	-19.90	46.00	35.48	3.92	14.15	27.45	Peak	---	---
2	586.780	30.55	-15.45	46.00	34.04	5.20	19.71	28.40	Peak	---	---
3	862.260	30.14	-15.86	46.00	31.97	5.93	19.99	27.75	Peak	---	---

Vertical



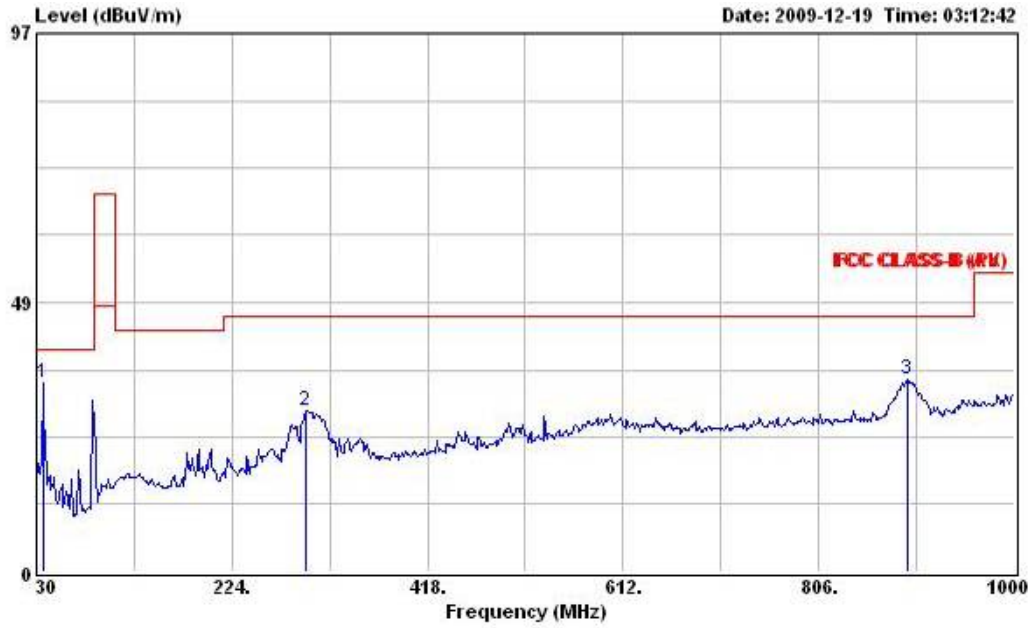
Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 VERTICAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : Mitsubishi ( LANCER GLXi )  
 Memo : Small CAR  
 Memo : 315度

	Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Remark	Ant	Table
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	334.580	28.20	-17.80	46.00	37.45	3.96	14.33	27.54	Peak	---	---
2	416.060	29.32	-16.68	46.00	37.37	4.36	15.65	28.06	Peak	---	---
3	575.140	34.41	-11.59	46.00	38.28	5.14	19.39	28.40	Peak	---	---

Note: Emissions measured with the Average detector can be found in a separate section of this report.

Temperature	20.3°C	Humidity	57.8%
Configurations	88.1 MHz/ 0° / Mode 3		

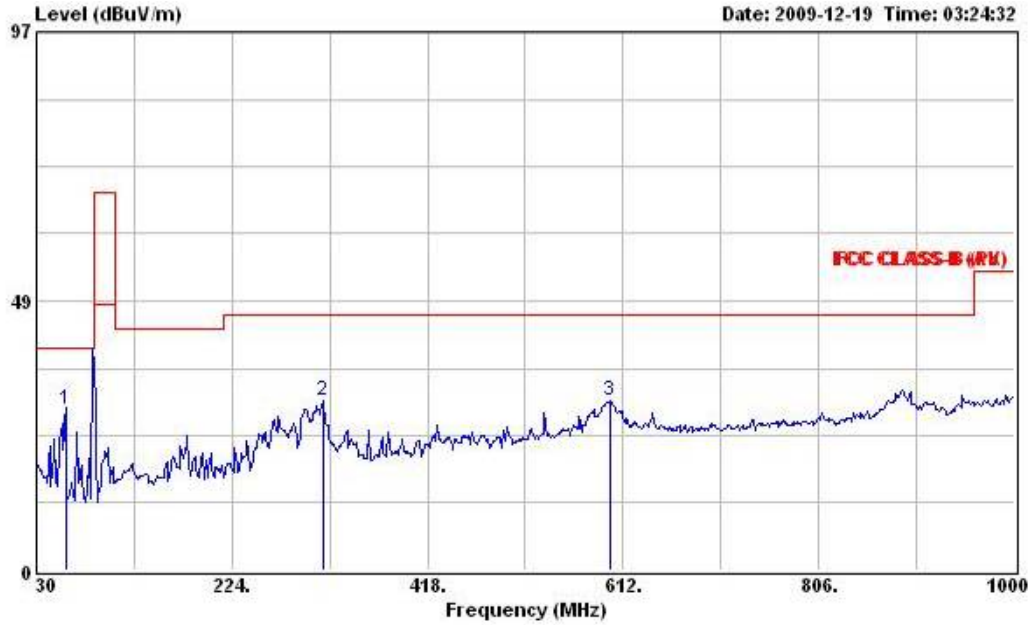
Horizontal



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 HORIZONTAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : FORD EXION  
 Memo : Large CAR  
 Memo : 0度

	Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Remark	Ant	Table
	MHz	dBuV/m	dB	dBuV/m	dBuV	Loss	Factor	Factor		cm	deg
1	36.790	34.00	-6.00	40.00	46.64	1.36	14.23	28.23	Peak	---	---
2	296.750	29.13	-16.87	46.00	38.87	3.83	13.74	27.31	Peak	---	---
3	893.300	34.49	-11.51	46.00	36.18	6.04	19.90	27.63	Peak	---	---

Vertical



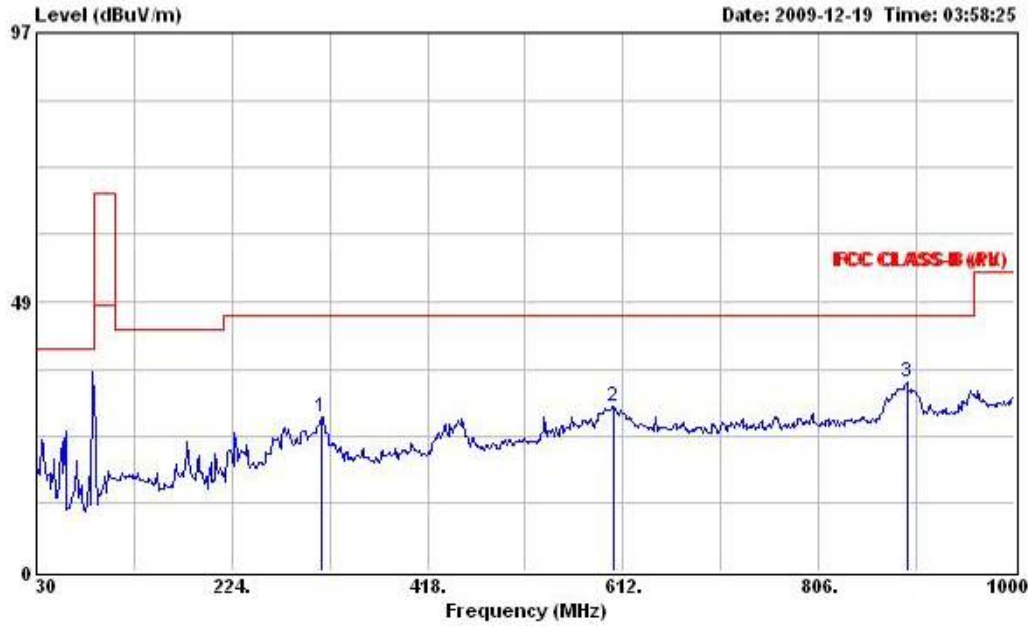
Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 VERTICAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : FORD IXION  
 Memo : Large CAR  
 Memo : 0度

	Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Remark	Ant	Table
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	59.100	29.13	-10.87	40.00	48.07	1.84	7.40	28.18	Peak	---	---
2	315.180	30.45	-15.55	46.00	39.91	3.90	14.04	27.40	Peak	---	---
3	599.390	30.62	-15.38	46.00	33.72	5.25	20.05	28.40	Peak	---	---

Note: Emissions measured with the Average detector can be found in a separate section of this report.

Temperature	20.3°C	Humidity	57.8%
Configurations	88.1 MHz/ 45° / Mode 3		

Horizontal

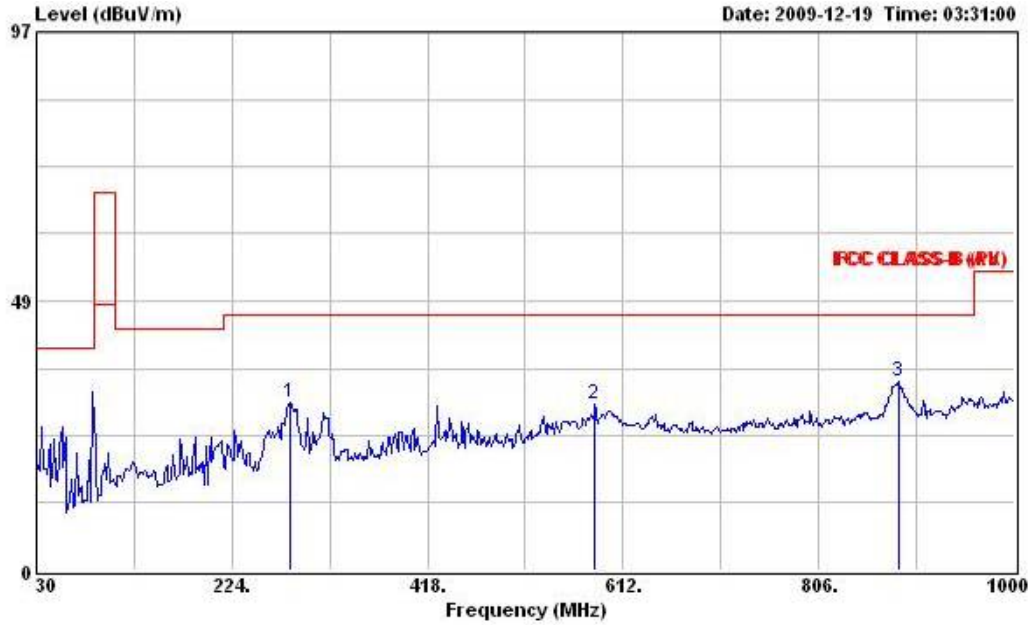


Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 HORIZONTAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : FORD IXION  
 Memo : Large CAR  
 Memo : 45度

	Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Remark	Ant	Table
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	312.270	27.77	-18.23	46.00	37.27	3.89	13.99	27.38	Peak	---	---
2	602.300	29.72	-16.28	46.00	32.80	5.26	20.06	28.40	Peak	---	---
3	893.300	33.97	-12.03	46.00	35.66	6.04	19.90	27.63	Peak	---	---



Vertical



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 VERTICAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : FORD IXION  
 Memo : Large CAR  
 Memo : 45度

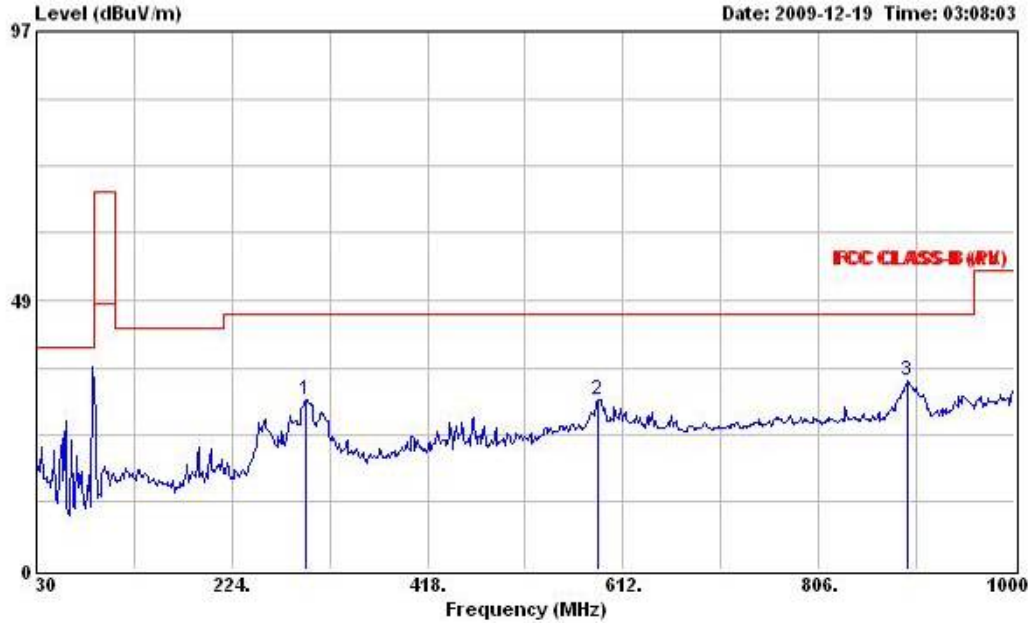
	Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Remark	Ant	Table
	MHz	dBuV/m	dB	dBuV/m	dBuV	Loss	Factor	Factor		Pos	Pos
						dB	dB	dB		cm	deg
1	281.230	30.36	-15.64	46.00	40.62	3.68	13.42	27.36	Peak	---	---
2	583.870	30.04	-15.96	46.00	33.63	5.18	19.63	28.40	Peak	---	---
3	885.540	34.04	-11.96	46.00	35.77	6.01	19.92	27.66	Peak	---	---

Note: Emissions measured with the Average detector can be found in a separate section of this report.



Temperature	20.3°C	Humidity	57.8%
Configurations	88.1 MHz/ 90° / Mode 3		

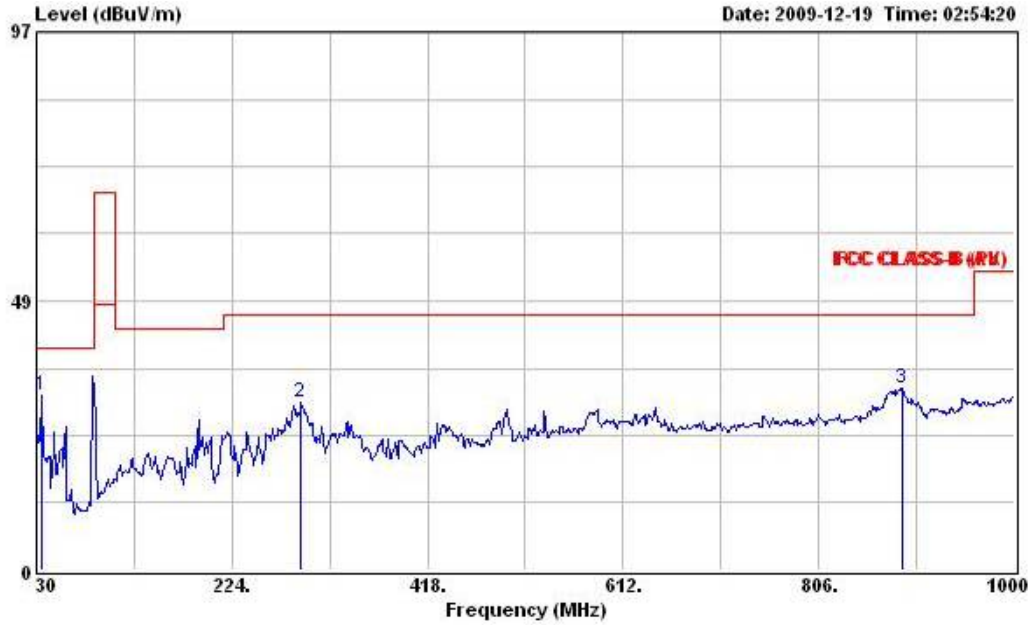
Horizontal



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 HORIZONTAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : FORD IXION  
 Memo : Large CAR  
 Memo : 90度

	Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Remark	Ant	Table
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	296.750	30.52	-15.48	46.00	40.26	3.83	13.74	27.31	Peak	---	---
2	587.750	30.69	-15.31	46.00	34.15	5.20	19.74	28.40	Peak	---	---
3	894.270	33.94	-12.06	46.00	35.62	6.04	19.90	27.62	Peak	---	---

Vertical



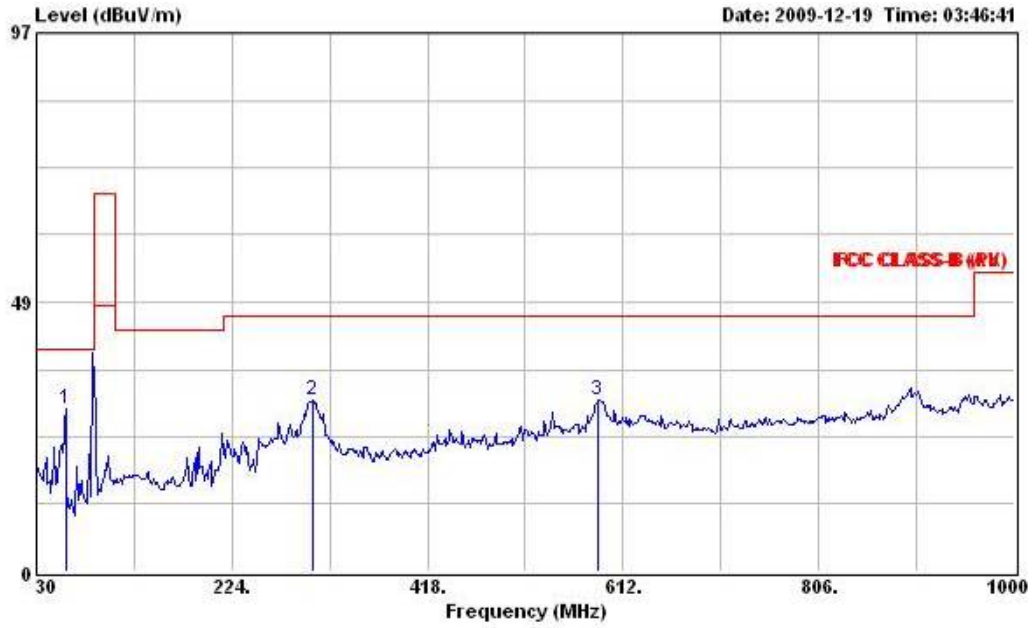
Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 VERTICAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : FORD IXION  
 Memo : Large CAR  
 Memo : 90度

	Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Remark	Ant	Table
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	35.820	31.53	-8.47	40.00	44.01	1.33	14.43	28.24	Peak	---	---
2	292.870	30.24	-15.76	46.00	40.11	3.79	13.66	27.32	Peak	---	---
3	889.420	32.87	-13.13	46.00	34.57	6.03	19.91	27.64	Peak	---	---

Note: Emissions measured with the Average detector can be found in a separate section of this report.

Temperature	20.3°C	Humidity	57.8%
Configurations	88.1 MHz/ 135° / Mode 3		

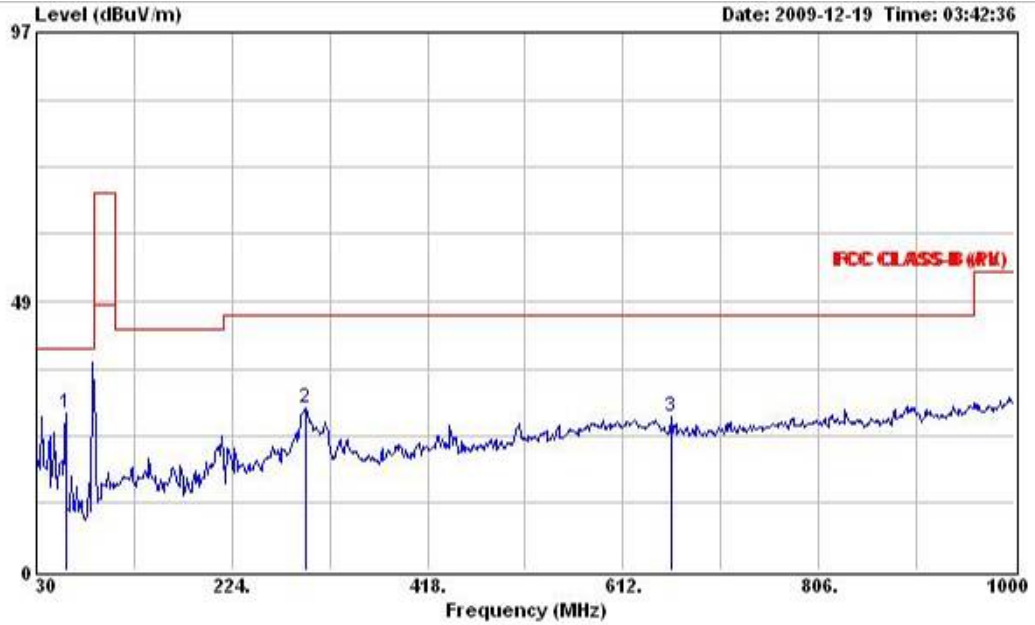
Horizontal



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 HORIZONTAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : FORD IXION  
 Memo : Large CAR  
 Memo : 135度

	Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Remark	Ant	Table
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	59.100	29.32	-10.68	40.00	48.26	1.84	7.40	28.18	Peak	---	---
2	303.540	30.73	-15.27	46.00	40.32	3.87	13.86	27.32	Peak	---	---
3	587.750	30.99	-15.01	46.00	34.45	5.20	19.74	28.40	Peak	---	---

Vertical



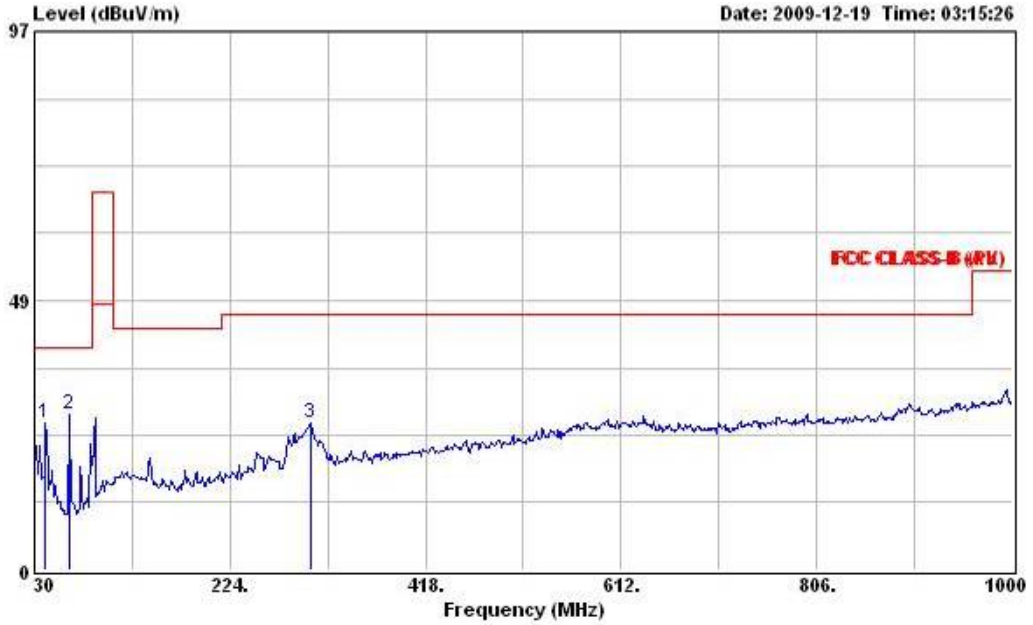
Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 VERTICAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : FORD EXION  
 Memo : Large CAR  
 Memo : 135度

	Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Remark	Ant	Table
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	59.100	28.28	-11.72	40.00	47.22	1.84	7.40	28.18	Peak	---	---
2	296.750	29.41	-16.59	46.00	39.15	3.83	13.74	27.31	Peak	---	---
3	660.500	27.81	-18.19	46.00	31.47	5.29	19.39	28.34	Peak	---	---

Note: Emissions measured with the Average detector can be found in a separate section of this report.

Temperature	20.3°C	Humidity	57.8%
Configurations	88.1 MHz/ 180° / Mode 3		

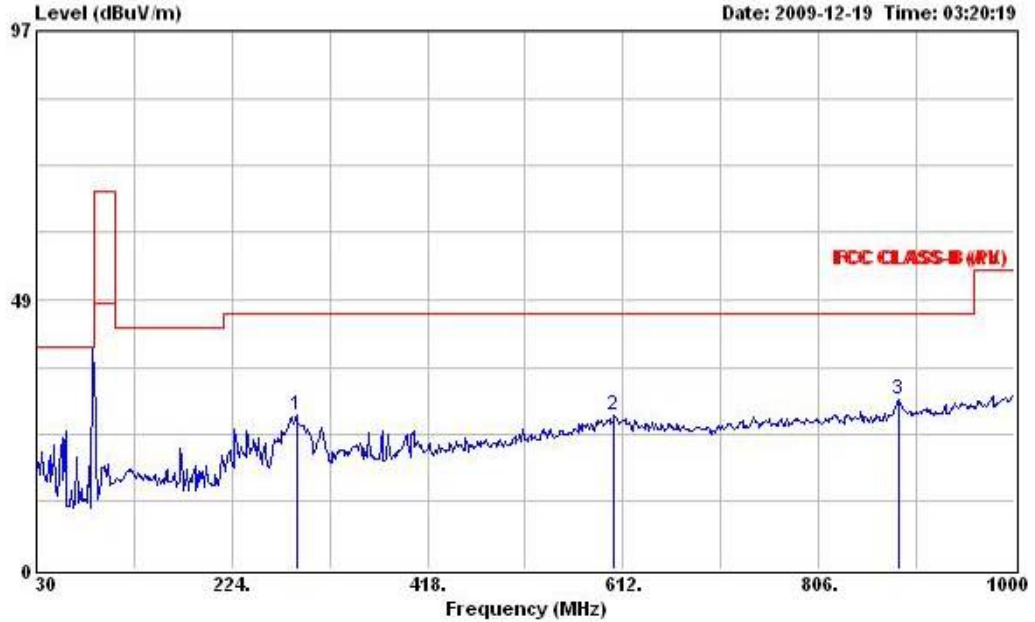
Horizontal



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 HORIZONTAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : FORD IXION  
 Memo : Large CAR  
 Memo : 180度

	Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Remark	Ant	Table
	MHz	dBuV/m	dB	dBuV/m	dBuV	Loss	Factor	Factor		cm	deg
1	40.670	26.61	-13.39	40.00	40.02	1.43	13.38	28.22	Peak	---	---
2	63.950	27.93	-12.07	40.00	47.07	1.96	7.07	28.17	Peak	---	---
3	303.540	26.48	-19.52	46.00	36.07	3.87	13.86	27.32	Peak	---	---

Vertical



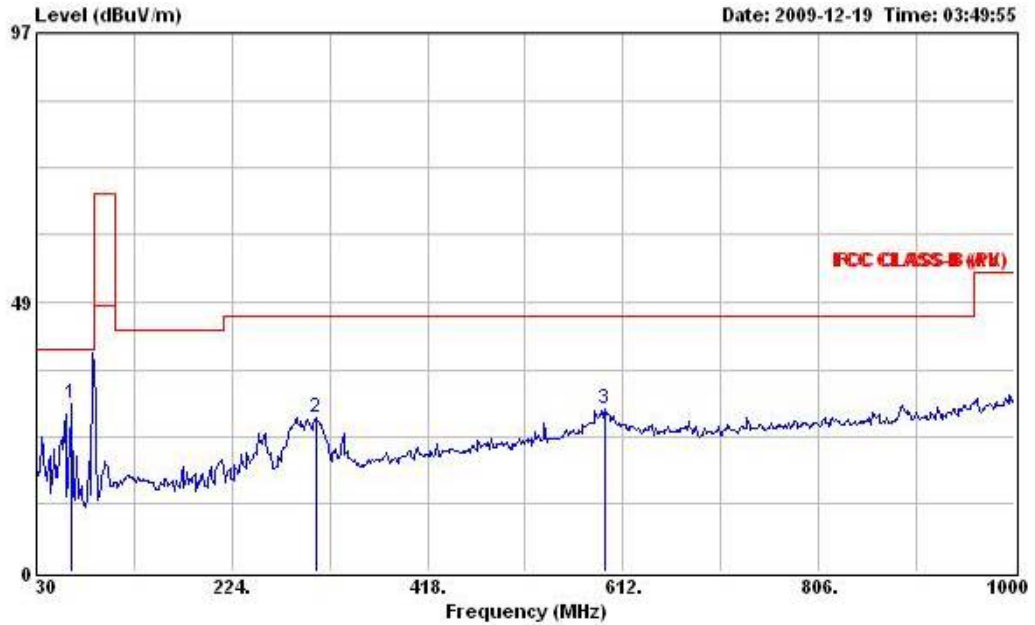
Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 VERTICAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : FORD IXION  
 Memo : Large CAR  
 Memo : 180度

Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Remark	Ant	Table
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	288.020	27.71	-18.29	46.00	37.74	3.75	13.56	27.34 Peak	---	---
2	603.270	27.76	-18.24	46.00	30.85	5.26	20.05	28.40 Peak	---	---
3	885.540	30.69	-15.31	46.00	32.42	6.01	19.92	27.66 Peak	---	---

Note: Emissions measured with the Average detector can be found in a separate section of this report.

Temperature	20.3°C	Humidity	57.8%
Configurations	88.1 MHz/ 225° / Mode 3		

Horizontal

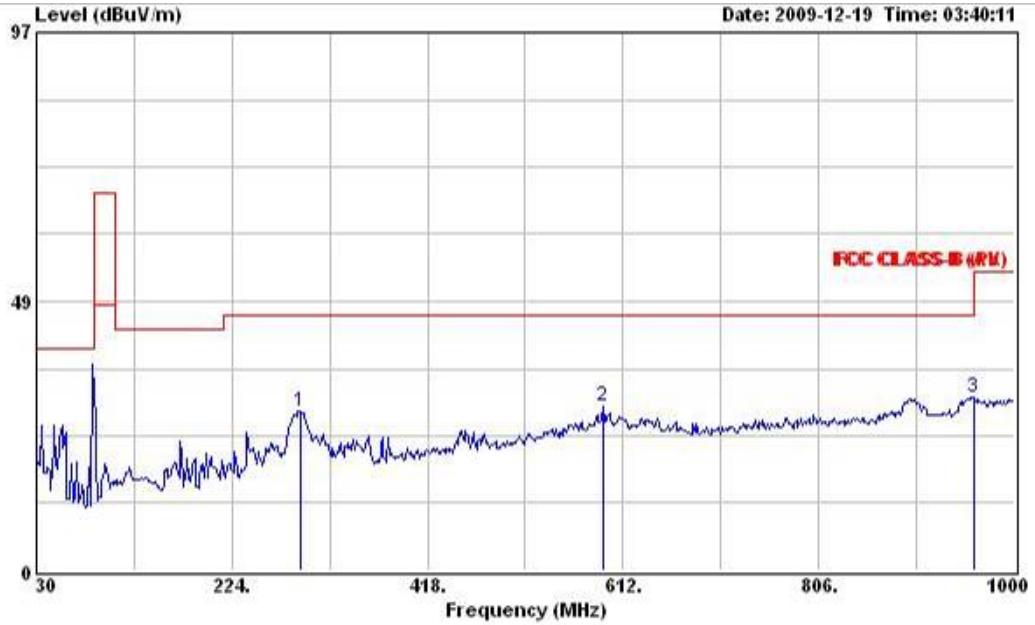


Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 HORIZONTAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : FORD IXION  
 Memo : Large CAR  
 Memo : 225度

	Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Remark	Ant	Table
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	63.950	30.11	-9.89	40.00	49.25	1.96	7.07	28.17	Peak	---	---
2	307.420	27.86	-18.14	46.00	37.41	3.88	13.92	27.35	Peak	---	---
3	594.540	29.34	-16.66	46.00	32.59	5.23	19.92	28.40	Peak	---	---



Vertical



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 VERTICAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : FORD EXION  
 Memo : Large CAR  
 Memo : 225度

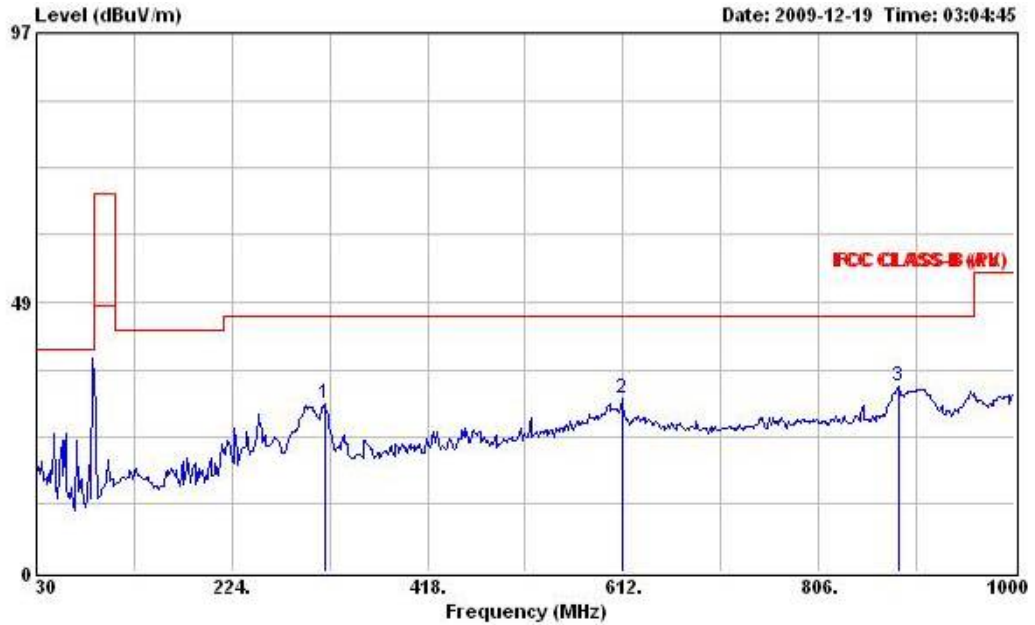
	Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Remark	Ant	Table
	MHz	dBuV/m	dB	dBuV/m	dBuV	Loss	Factor	Factor		Pos	Pos
						dB	dB	dB		cm	deg
1	292.870	28.78	-17.22	46.00	38.65	3.79	13.66	27.32	Peak	---	---
2	591.630	29.48	-16.52	46.00	32.82	5.22	19.84	28.40	Peak	---	---
3	959.260	31.13	-14.87	46.00	31.00	6.05	21.44	27.36	Peak	---	---

Note: Emissions measured with the Average detector can be found in a separate section of this report.



Temperature	20.3°C	Humidity	57.8%
Configurations	88.1 MHz/ 270° / Mode 3		

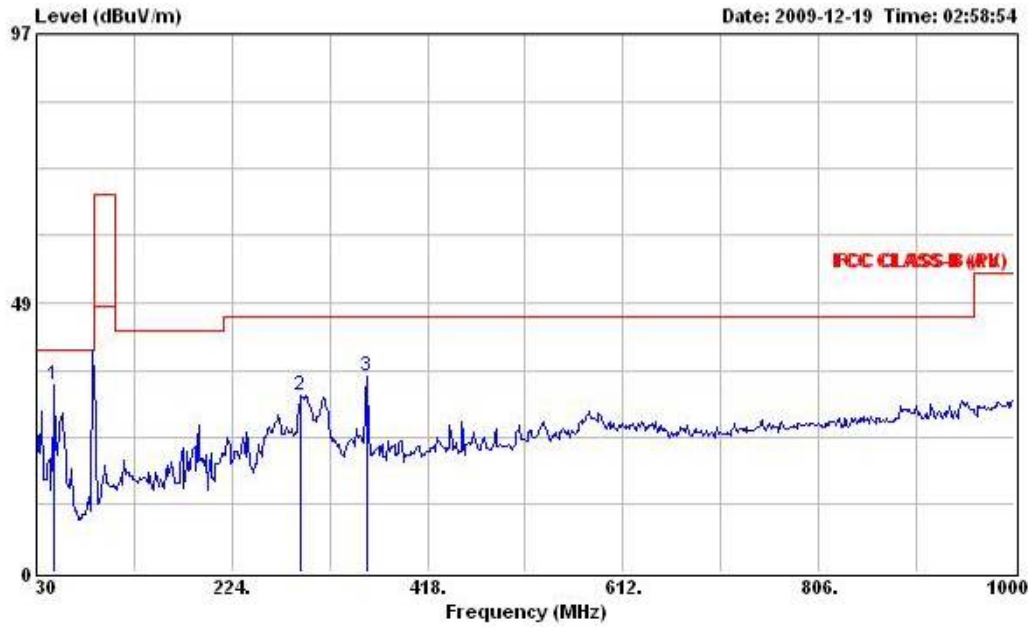
Horizontal



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 HORIZONTAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : FORD EXION  
 Memo : Large CAR  
 Memo : 270度

	Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Remark	Ant	Table
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	316.150	30.25	-15.75	46.00	39.70	3.91	14.05	27.41	Peak	---	---
2	611.030	31.15	-14.85	46.00	34.33	5.25	19.96	28.39	Peak	---	---
3	885.540	33.26	-12.74	46.00	34.99	6.01	19.92	27.66	Peak	---	---

Vertical



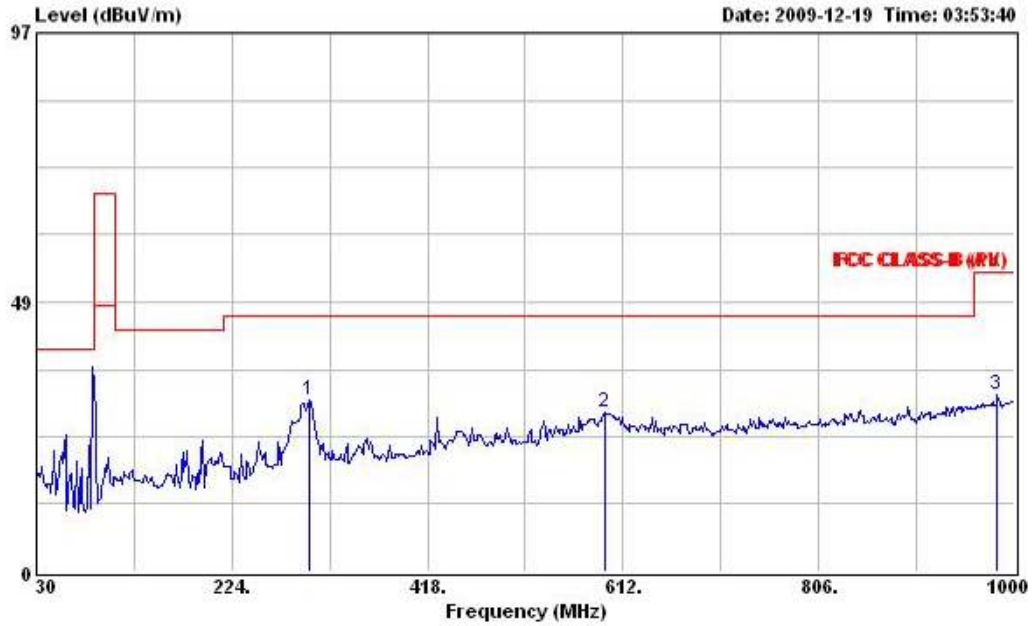
Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 VERTICAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : FORD IXION  
 Memo : Large CAR  
 Memo : 270度

Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Remark	Ant	Table
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	47.460	33.69	-6.31	40.00	49.25	1.60	11.05	28.21 Peak	---	---
2	292.870	31.90	-14.10	46.00	41.77	3.79	13.66	27.32 Peak	---	---
3	357.860	35.18	-10.82	46.00	44.15	4.04	14.69	27.70 Peak	---	---

Note: Emissions measured with the Average detector can be found in a separate section of this report.

Temperature	20.3°C	Humidity	57.8%
Configurations	88.1 MHz/ 315° / Mode 3		

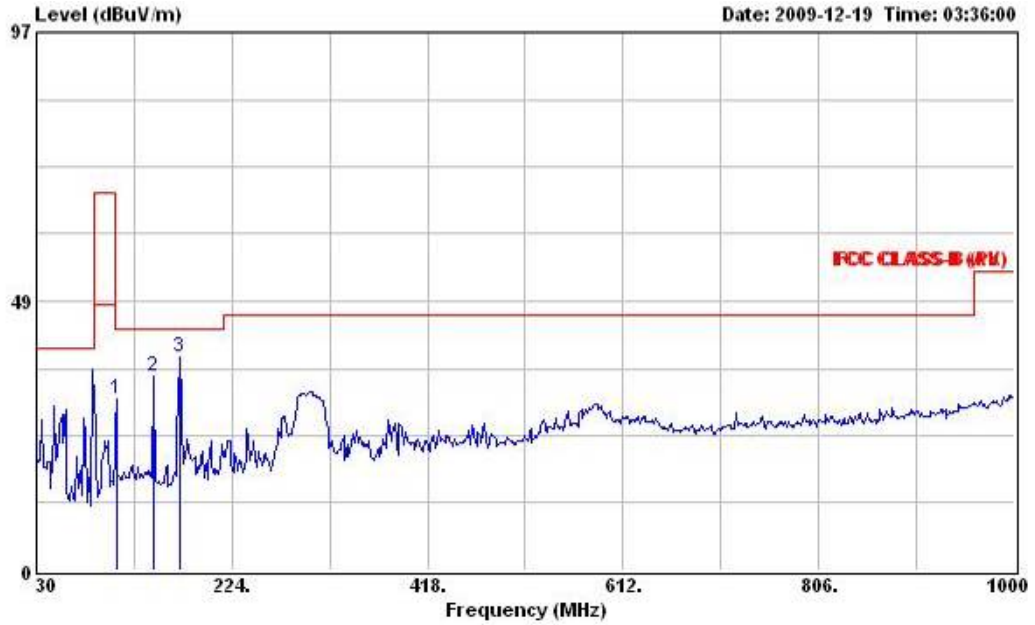
Horizontal



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 HORIZONTAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : FORD IXION  
 Memo : Large CAR  
 Memo : 315度

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	300.630	30.97	-15.03	46.00	40.60	3.86	13.81	27.30	Peak	---	---
2	594.540	28.58	-17.42	46.00	31.83	5.23	19.92	28.40	Peak	---	---
3	983.510	31.72	-22.28	54.00	30.77	6.13	22.08	27.26	Peak	---	---

Vertical



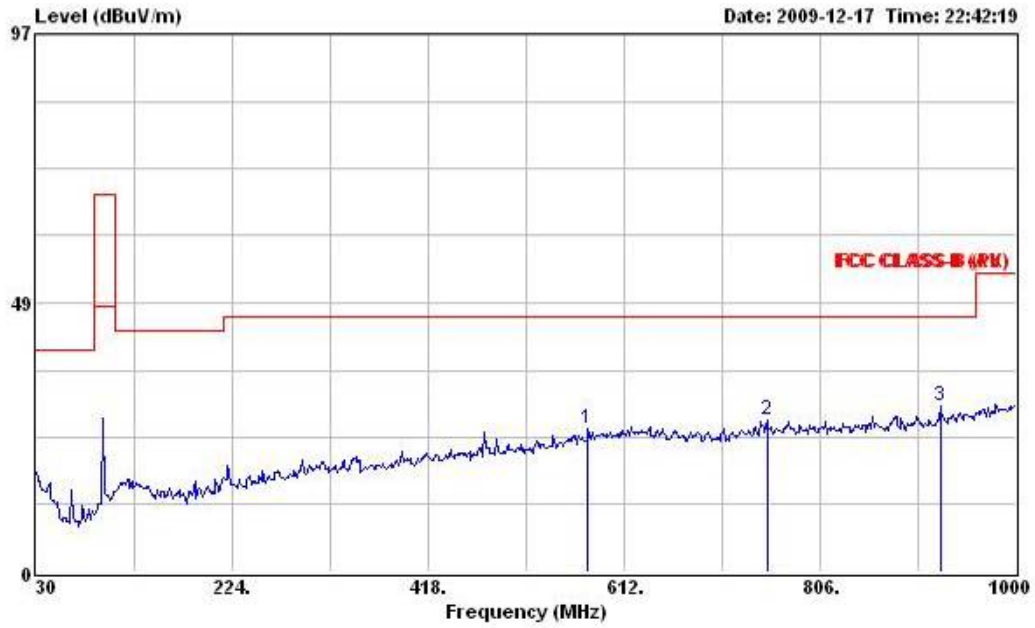
Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 VERTICAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 88.1M  
 Memo : FORD IXION  
 Memo : Large CAR  
 Memo : 315度

Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Remark	Ant	Table
MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	109.540	30.94	-12.56	43.50	44.11	2.40	12.48	28.05 Peak	---	---
2	145.430	35.03	-8.47	43.50	48.56	2.80	11.54	27.87 Peak	---	---
3	171.620	38.46	-5.04	43.50	53.23	2.94	10.03	27.74 Peak	---	---

Note: Emissions measured with the Average detector can be found in a separate section of this report.

Temperature	20.3°C	Humidity	57.8%
Configurations	96.9 MHz/ 0° / Mode 4		

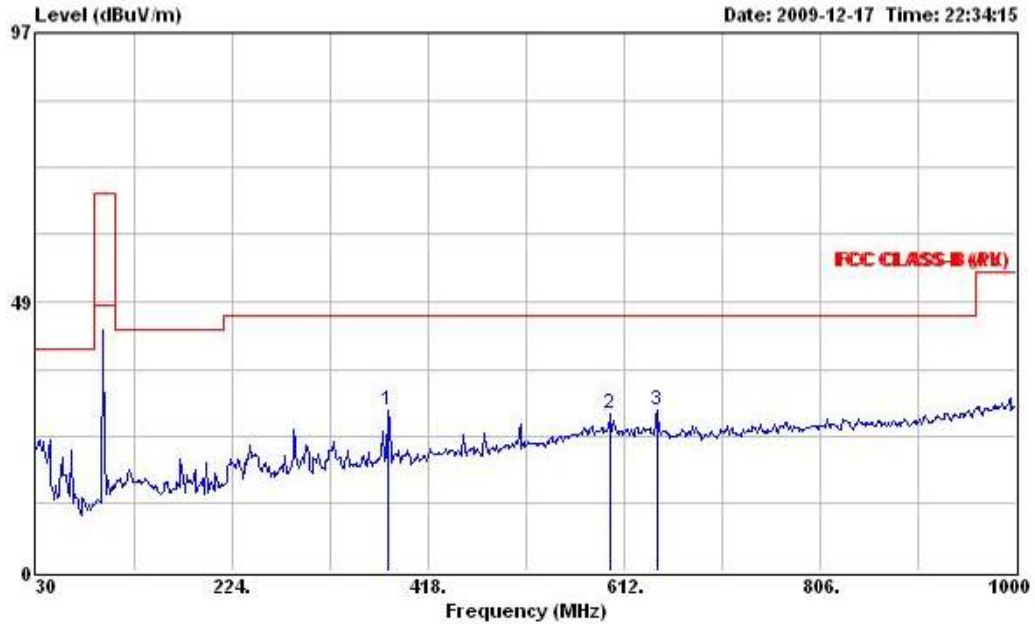
Horizontal



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 HORIZONTAL  
 Model : ST4TK1  
 Memo : FCC ID: NKRUPAST410  
 Memo : FM 96.9M  
 Memo : FORD MONDEO  
 Memo : Medium CAR  
 Memo : 0度

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	576.110	25.94	-20.06	46.00	29.77	5.15	19.42	28.40	Peak	---	---
2	753.620	27.39	-18.61	46.00	30.22	5.72	19.59	28.14	Peak	---	---
3	925.310	29.82	-16.18	46.00	30.73	6.04	20.55	27.50	Peak	---	---

Vertical



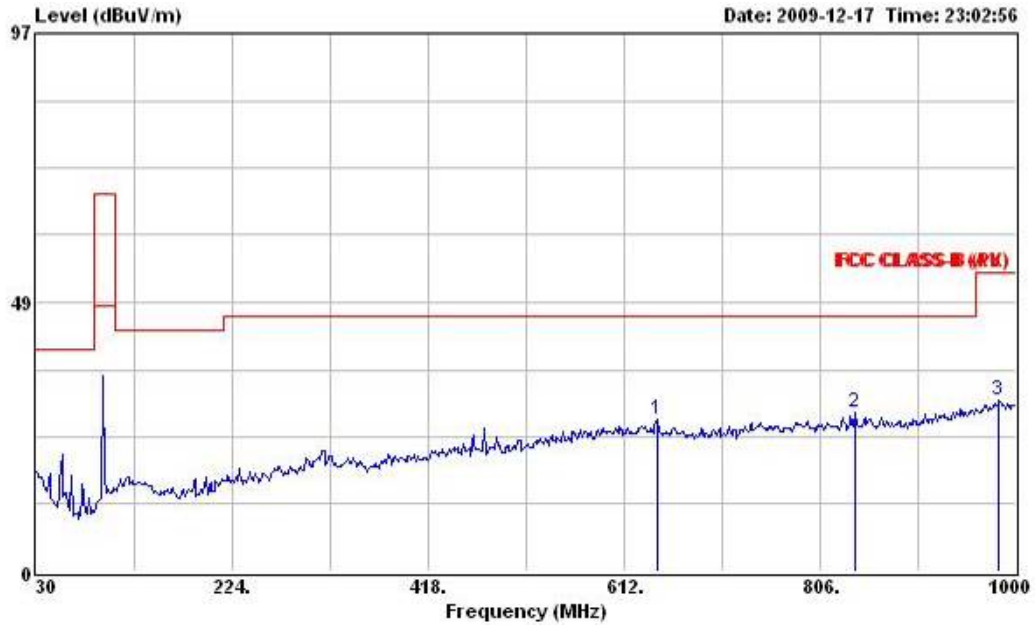
Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 VERTICAL  
 Model : ST4TK1  
 Memo : FCC ID: NKRUPAST410  
 Memo : FM 96.9M  
 Memo : FORD MONDEO  
 Memo : Medium CAR  
 Memo : 0度

	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	378.230	28.87	-17.13	46.00	37.56	4.16	15.00	27.85	Peak	---	---
2	598.420	28.30	-17.70	46.00	31.42	5.25	20.03	28.40	Peak	---	---
3	644.980	28.95	-17.05	46.00	32.50	5.23	19.57	28.35	Peak	---	---

Note: Emissions measured with the Average detector can be found in a separate section of this report.

Temperature	20.3°C	Humidity	57.8%
Configurations	96.9 MHz/ 45° / Mode 4		

Horizontal



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 HORIZONTAL  
 Model : ST4TK1  
 Memo : FCC ID:NKRUPAST410  
 Memo : FM 96.9M  
 Memo : FORD MONDEO  
 Memo : Medium CAR  
 Memo : 45度

	Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Remark	Ant	Table
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	644.980	27.41	-18.59	46.00	30.96	5.23	19.57	28.35	Peak	---	---
2	839.950	28.71	-17.29	46.00	30.70	5.80	20.05	27.84	Peak	---	---
3	983.510	30.98	-23.02	54.00	30.03	6.13	22.08	27.26	Peak	---	---