

# 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 5
Brand Name	Sirius
Model Name	ST5TK1
Received Date	Dec. 17, 2009
Final Test Date	Dec. 20, 2009

## 1. General Description of Equipment under Test

Part	Description of Test	Under Limit
3.1	Radiated Emissions	6.98 dB
3.2	Field Strength of Fundamental Emissions	10.4 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

Mode 1: Medium Car (Ford, MONDEO) + ST5TK1

Mode 2: Small Car (Mitsubishi, Lancer ) + ST5TK1

Mode 3: Large Car (Ford, IXION) + ST5TK1

### 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, SDP1V1(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>

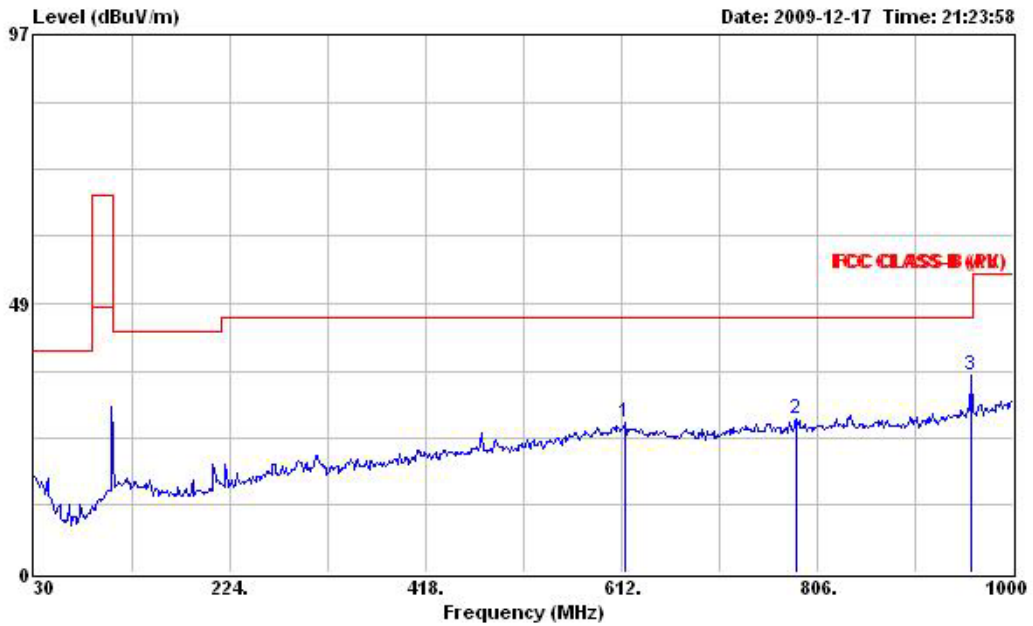
Receiver Parameter	Setting
Attenuation	Auto
Center Frequency	Fundamental Frequency
RB	120 KHz
Detector	Peak / QP / Average

### 3. TEST RESULT

#### 3.1 Results for Radiated Emissions

Temperature	20.3°C	Humidity	57.8%
Configurations	107.9 MHz/ 0° / Mode 1		

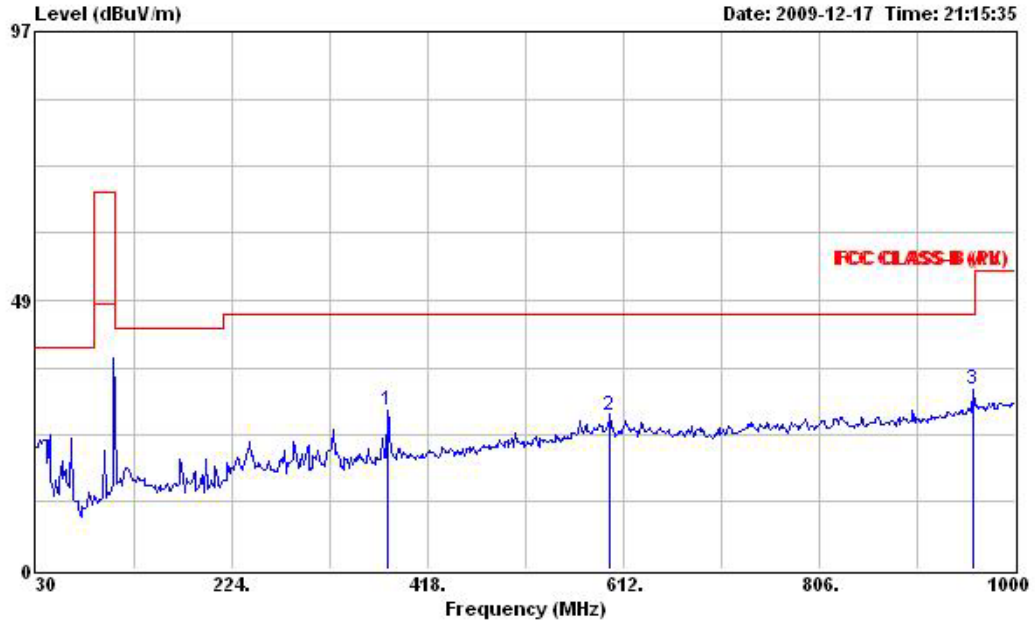
Horizontal



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 HORIZONTAL  
 Model : ST5TK1  
 Memo : FCC ID:NKRUPAST5  
 Memo : FM 107.9M  
 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	614.910	27.24	-18.76	46.00	30.46	5.25	19.91	28.38	Peak	---	---
2	784.660	27.71	-18.29	46.00	30.22	5.55	19.98	28.04	Peak	---	---
3	959.260	35.51	-10.49	46.00	35.38	6.05	21.44	27.36	Peak	---	---

Vertical



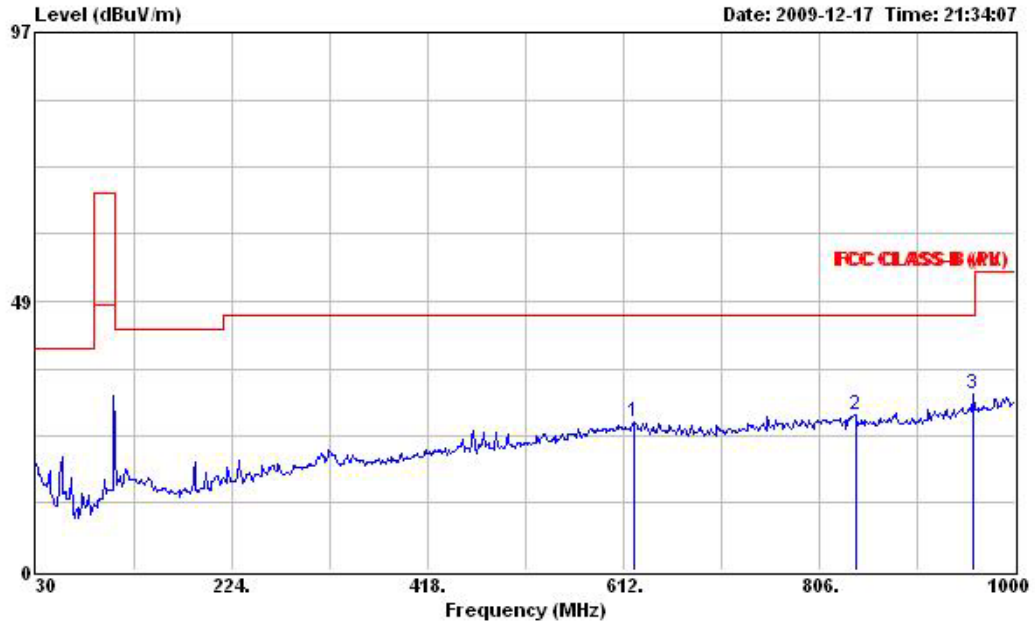
Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 VERTICAL  
 Model : ST5TK1  
 Memo : FCC ID: NKRUPAST5  
 Memo : FM 107.9M  
 Memo : FORD MONDEO  
 Memo : Medium CAR  
 Memo : 0度

	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	28.67	-17.33	46.00	37.36	4.16	15.00	27.85	Peak	---	---
2	598.420	27.87	-18.13	46.00	30.99	5.25	20.03	28.40	Peak	---	---
3	959.260	32.47	-13.53	46.00	32.34	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	107.9 MHz/ 45° / Mode 1		

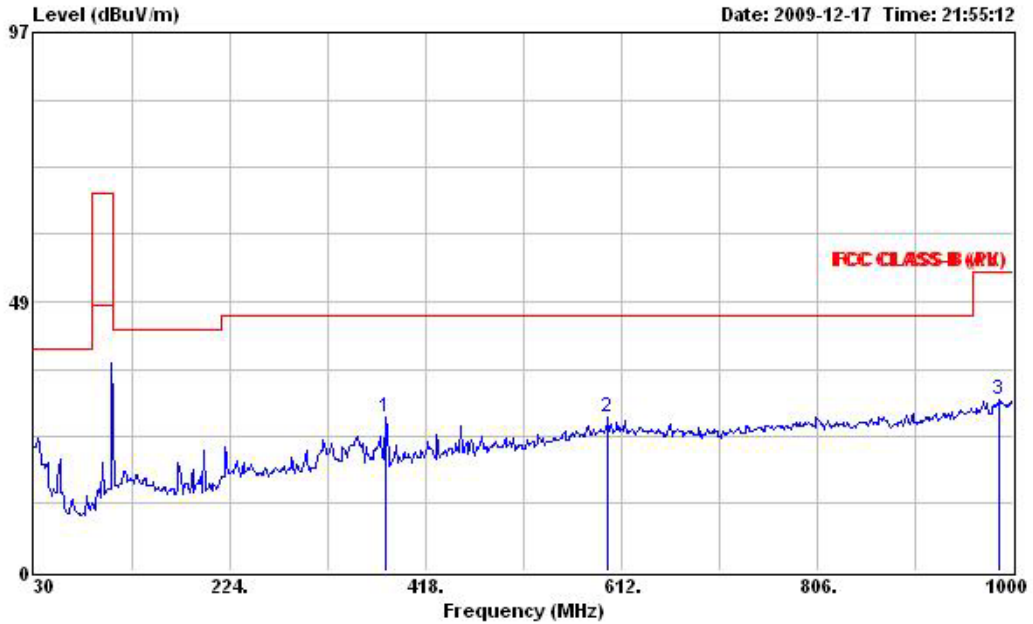
Horizontal



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 HORIZONTAL  
 Model : ST5TK1  
 Memo : FCC ID:NKRUPAST5  
 Memo : FM 107.9M  
 Memo : FORD MONDEO  
 Memo : Medium CAR  
 Memo : 45度

	Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Ant	Table
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB	cm	deg
1	621.700	26.82	-19.18	46.00	30.12	5.25	19.83	28.38	Peak	---
2	842.860	28.07	-17.93	46.00	30.02	5.83	20.05	27.83	Peak	---
3	959.260	31.66	-14.34	46.00	31.53	6.05	21.44	27.36	Peak	---

Vertical



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 VERTICAL  
 Model : ST5TK1  
 Memo : FCC ID:NKRUPAST5  
 Memo : FM 107.9M  
 Memo : FORD MONDEO  
 Memo : Medium CAR  
 Memo : 45度

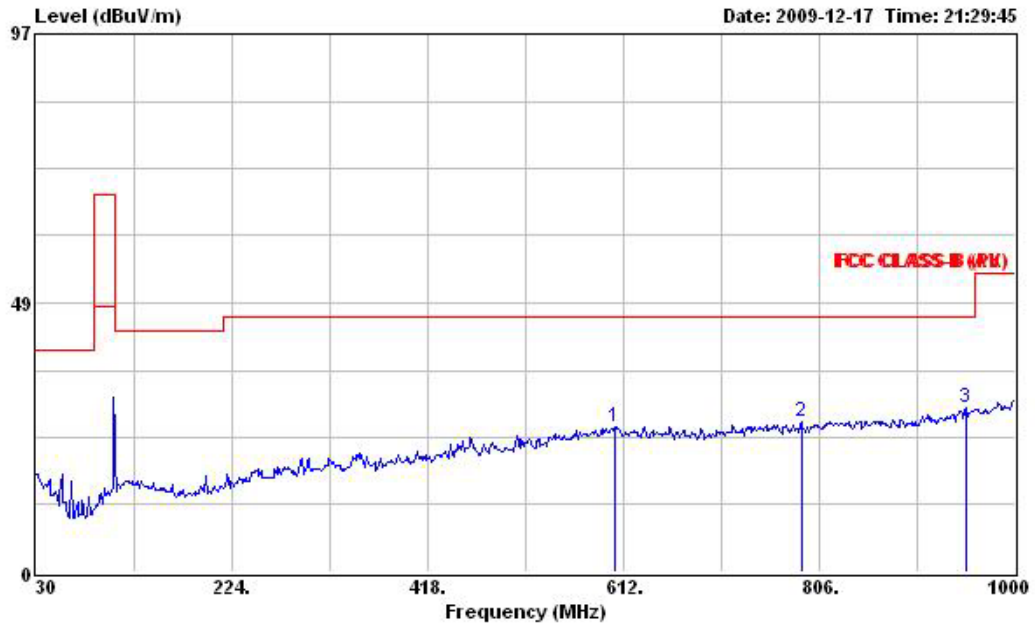
	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	378.230	27.75	-18.25	46.00	36.44	4.16	15.00	27.85	Peak	---	---
2	598.420	27.74	-18.26	46.00	30.86	5.25	20.03	28.40	Peak	---	---
3	986.420	30.94	-23.06	54.00	29.89	6.14	22.16	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	107.9 MHz/ 90° / Mode 1		

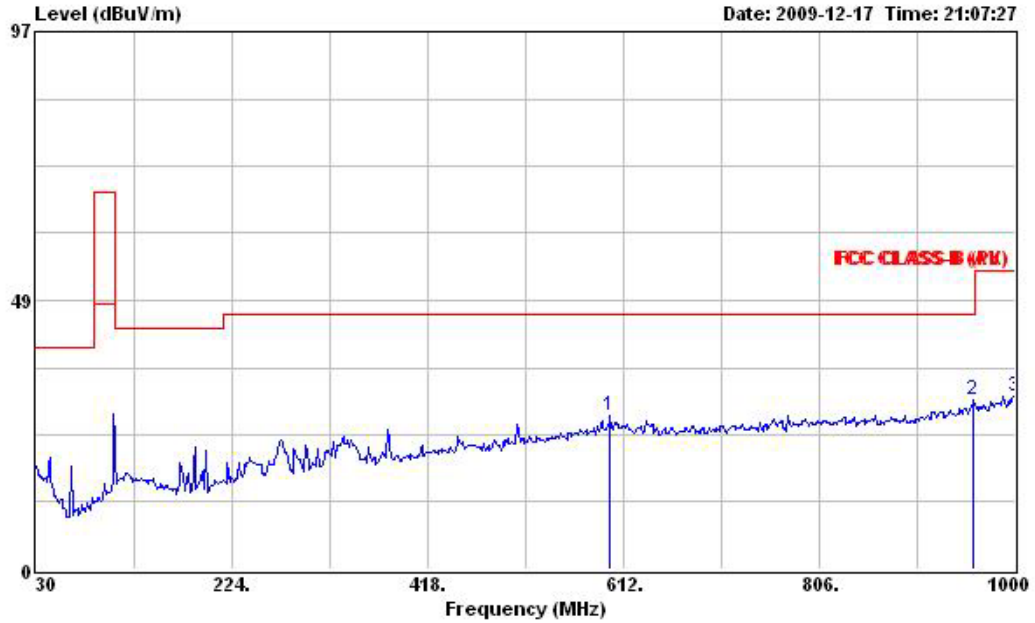
Horizontal



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 HORIZONTAL  
 Model : ST5TK1  
 Memo : FCC ID:NKRUPAST5  
 Memo : FM 107.9M  
 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	603.270	26.29	-19.71	46.00	29.38	5.26	20.05	28.40	Peak	---	---
2	788.540	26.96	-19.04	46.00	29.43	5.53	20.03	28.03	Peak	---	---
3	951.500	29.48	-16.52	46.00	29.61	6.02	21.24	27.39	Peak	---	---

Vertical



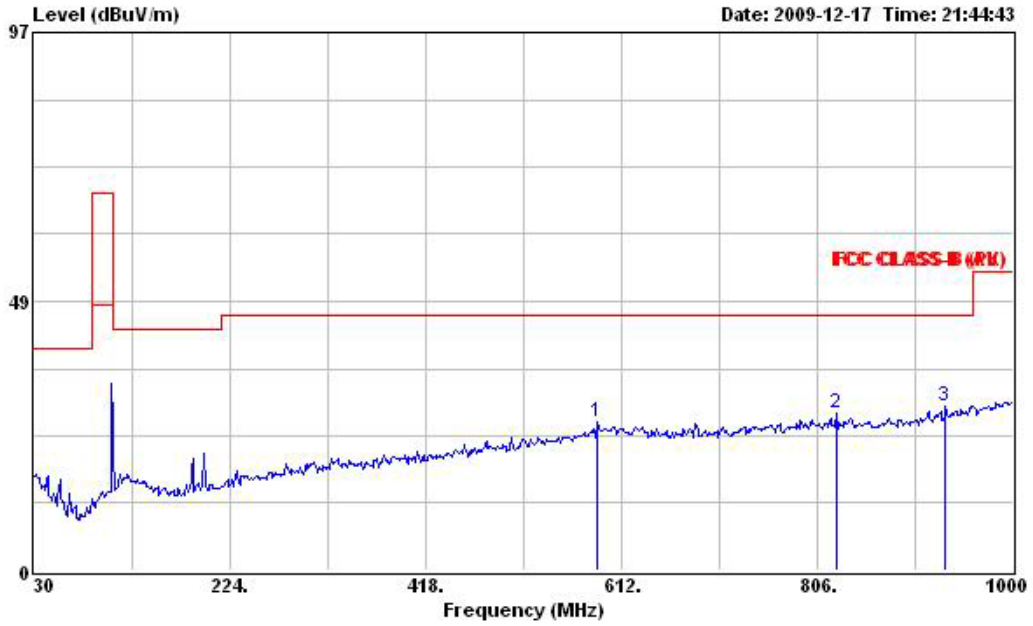
Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 VERTICAL  
 Model : ST5TK1  
 Memo : FCC ID:NKRUPAST5  
 Memo : FM 107.9M  
 Memo : FORD MONDEO  
 Memo : Medium CAR  
 Memo : 90度

	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	598.420	27.58	-18.42	46.00	30.70	5.25	20.03	28.40	Peak	---	---
2	959.260	30.48	-15.52	46.00	30.35	6.05	21.44	27.36	Peak	---	---
3	1000.000	31.09	-22.91	54.00	29.59	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	107.9MHz/ 135° / Mode 1		

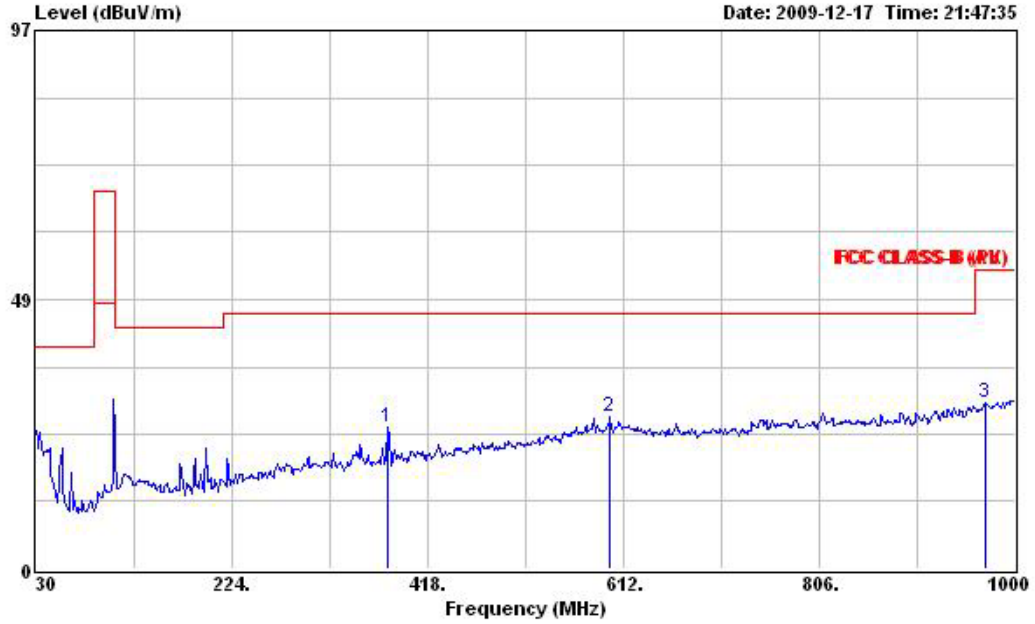
Horizontal



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 HORIZONTAL  
 Model : ST5TK1  
 Memo : FCC ID: NKRUPAST5  
 Memo : FM 107.9M  
 Memo : FORD MONDEO  
 Memo : Medium CAR  
 Memo : 135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	587.750	26.66	-19.34	46.00	30.12	5.20	19.74	28.40	Peak	---	---
2	824.430	28.48	-17.52	46.00	30.60	5.68	20.10	27.90	Peak	---	---
3	933.070	29.50	-16.50	46.00	30.18	6.03	20.75	27.46	Peak	---	---

Vertical



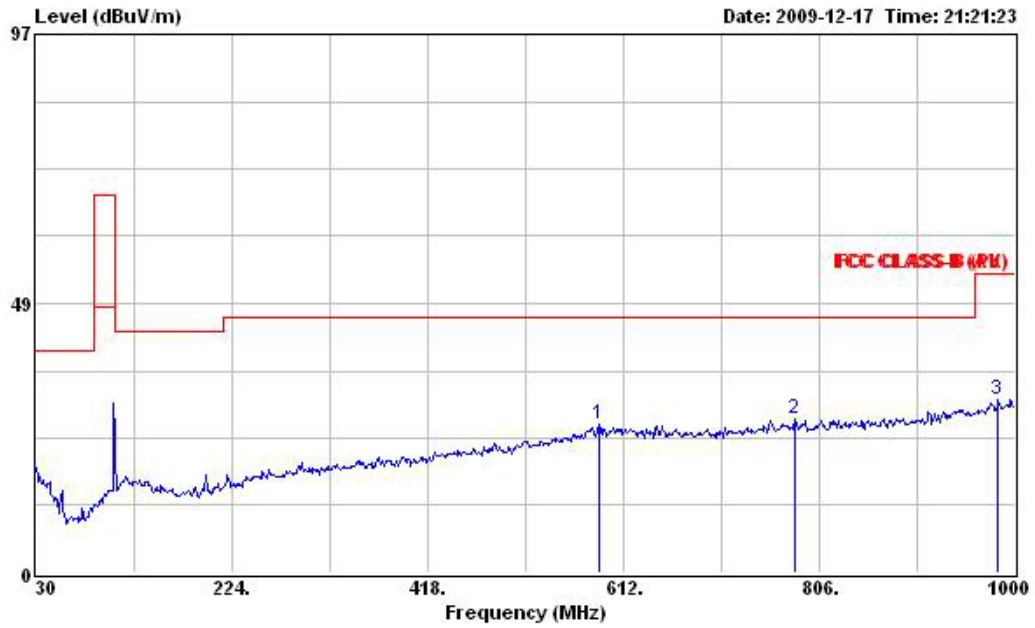
Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 VERTICAL  
 Model : ST5TK1  
 Memo : FCC ID:NKRUPAST5  
 Memo : FM 107.9M  
 Memo : FORD MONDEO  
 Memo : Medium CAR  
 Memo : 135度

	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	25.62	-20.38	46.00	34.31	4.16	15.00	27.85	Peak	---	---
2	598.420	27.38	-18.62	46.00	30.50	5.25	20.03	28.40	Peak	---	---
3	970.900	29.80	-24.20	54.00	29.27	6.09	21.75	27.31	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	107.9 MHz/ 180° / Mode 1		

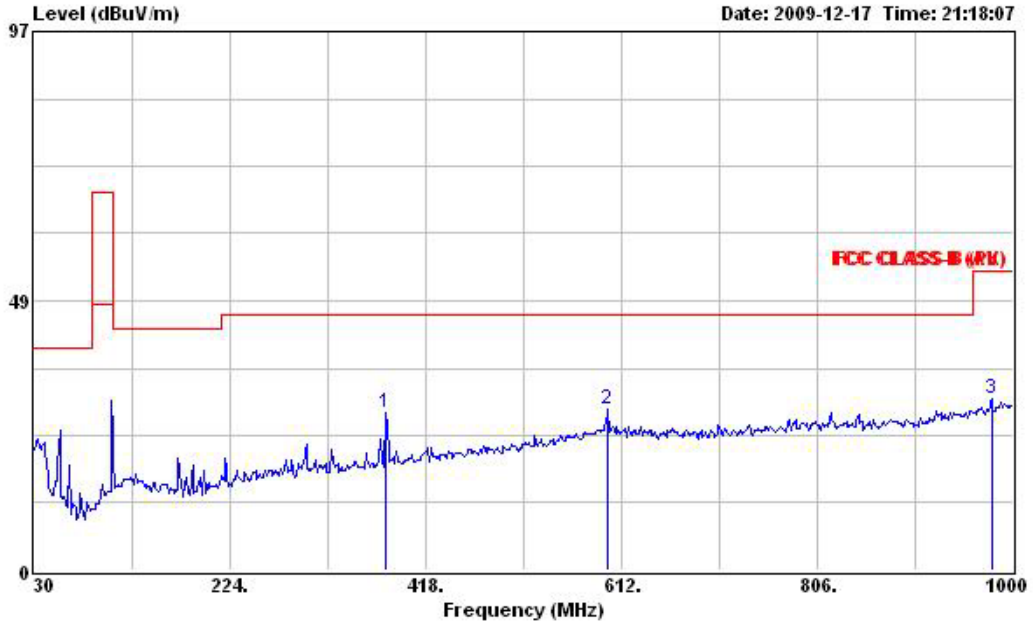
Horizontal



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 HORIZONTAL  
 Model : ST5TK1  
 Memo : FCC ID:NKRUPAST5  
 Memo : FM 107.9M  
 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	587.750	26.72	-19.28	46.00	30.18	5.20	19.74	28.40	Peak	---	---
2	781.750	27.59	-18.41	46.00	30.13	5.57	19.94	28.05	Peak	---	---
3	983.510	31.16	-22.84	54.00	30.21	6.13	22.08	27.26	Peak	---	---

Vertical



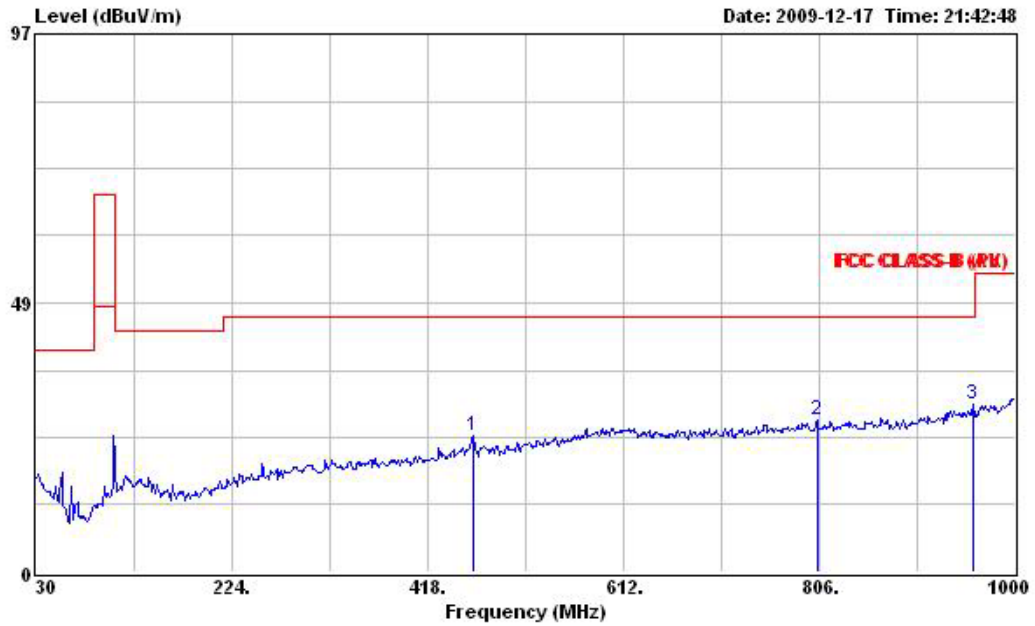
Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 VERTICAL  
 Model : ST5TK1  
 Memo : FCC ID:NKRUPAST5  
 Memo : FM 107.9M  
 Memo : FORD MONDEO  
 Memo : Medium CAR  
 Memo : 180度

	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	378.230	28.43	-17.57	46.00	37.12	4.16	15.00	27.85	Peak	---	---
2	598.420	29.03	-16.97	46.00	32.15	5.25	20.03	28.40	Peak	---	---
3	978.660	30.85	-23.15	54.00	30.06	6.11	21.96	27.28	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	107.9 MHz/ 225° / Mode 1		

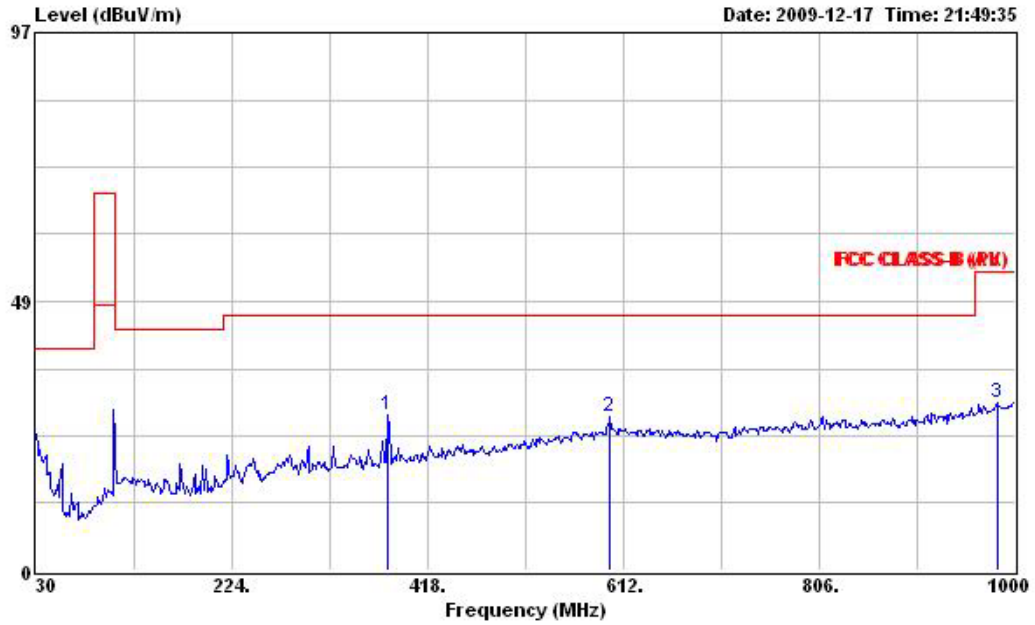
Horizontal



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 HORIZONTAL  
 Model : ST5TK1  
 Memo : FCC ID:NKRUPAST5  
 Memo : FM 107.9M  
 Memo : FORD MONDEO  
 Memo : Medium 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	462.620	24.65	-21.35	46.00	31.77	4.54	16.59	28.25	Peak	---	---
2	804.060	27.34	-18.66	46.00	29.65	5.51	20.16	27.98	Peak	---	---
3	959.260	30.18	-15.82	46.00	30.05	6.05	21.44	27.36	Peak	---	---

Vertical



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 VERTICAL  
 Model : ST5TK1  
 Memo : FCC ID:NKRUPAST5  
 Memo : FM 107.9M  
 Memo : FORD MONDEO  
 Memo : Medium CAR  
 Memo : 225度

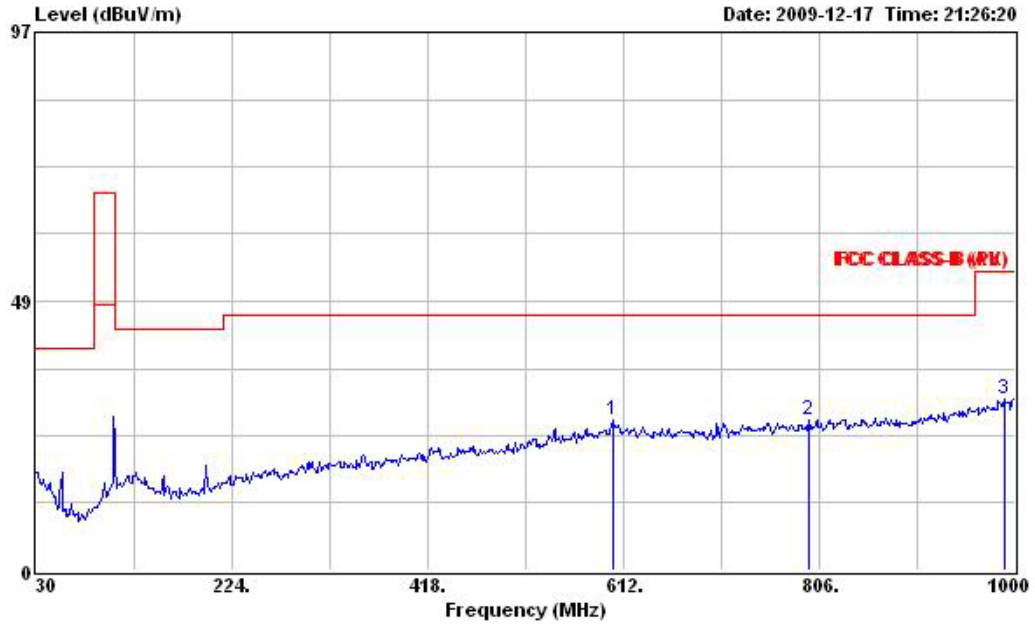
	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	378.230	27.94	-18.06	46.00	36.63	4.16	15.00	27.85	Peak	---	---
2	598.420	27.83	-18.17	46.00	30.95	5.25	20.03	28.40	Peak	---	---
3	982.540	30.33	-23.67	54.00	29.41	6.13	22.06	27.27	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	107.9 MHz/ 270° / Mode 1		

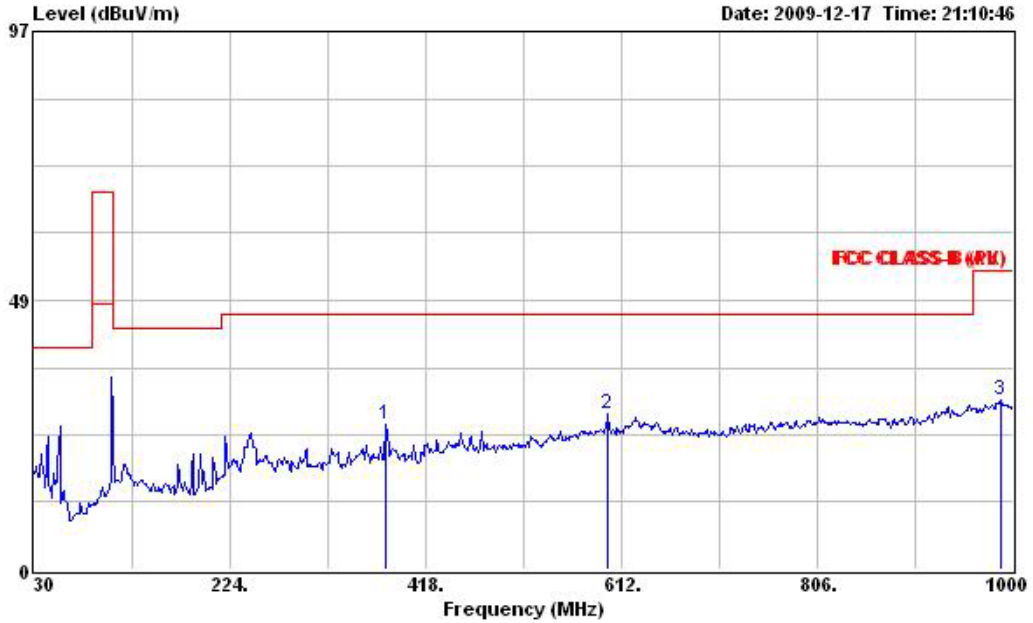
Horizontal



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 HORIZONTAL  
 Model : ST5TK1  
 Memo : FCC ID:NKRUPAST5  
 Memo : FM 107.9M  
 Memo : FORD MONDEO  
 Memo : Medium CAR  
 Memo : 270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	27.15	-18.85	46.00	30.23	5.26	20.06	28.40	Peak	---	---
2	796.300	27.15	-18.85	46.00	29.54	5.50	20.12	28.01	Peak	---	---
3	990.300	30.91	-23.09	54.00	29.74	6.15	22.26	27.24	Peak	---	---

Vertical



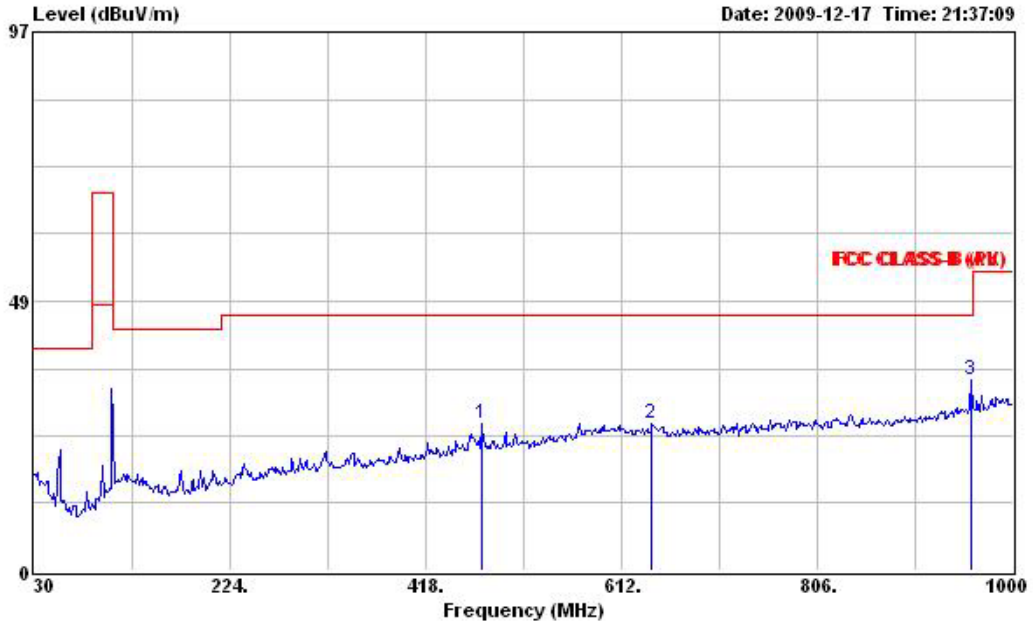
Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 VERTICAL  
 Model : ST5TK1  
 Memo : FCC ID:NKRUPAST5  
 Memo : FM 107.9M  
 Memo : FORD MONDEO  
 Memo : Medium CAR  
 Memo : 270度

	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	26.00	-20.00	46.00	34.69	4.16	15.00	27.85	Peak	---	---
2	598.420	28.11	-17.89	46.00	31.23	5.25	20.03	28.40	Peak	---	---
3	987.390	30.54	-23.46	54.00	29.46	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	107.9 MHz/ 315° / Mode 1		

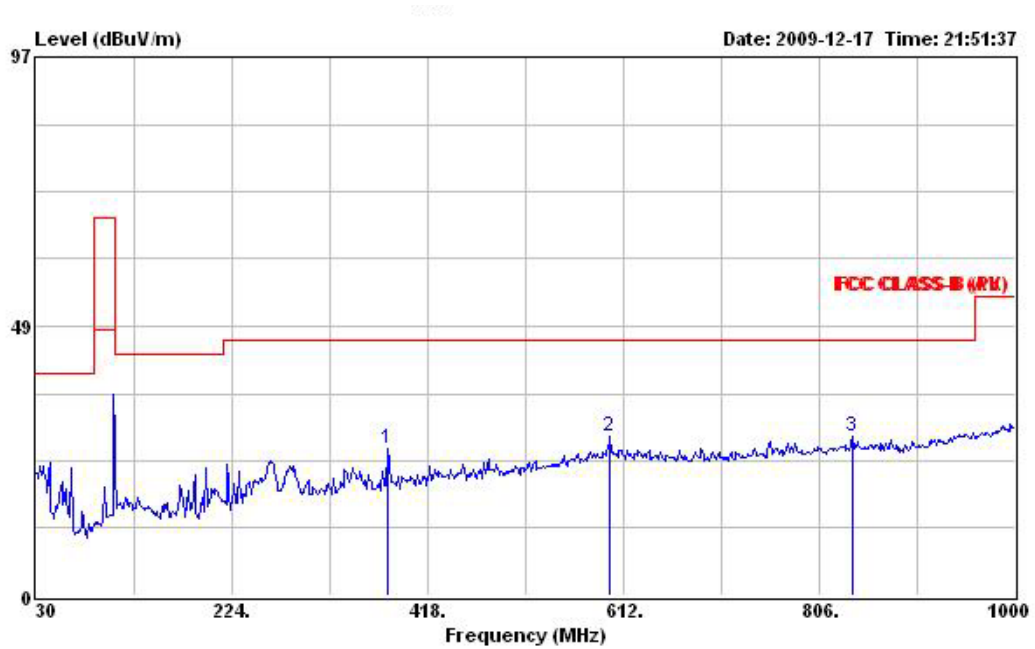
Horizontal



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 HORIZONTAL  
 Model : ST5TK1  
 Memo : FCC ID: NKRUPAST5  
 Memo : FM 107.9M  
 Memo : FORD MONDEO  
 Memo : Medium 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	474.260	26.38	-19.62	46.00	33.29	4.57	16.82	28.30	Peak	---	---
2	642.070	26.57	-19.43	46.00	30.09	5.24	19.60	28.36	Peak	---	---
3	959.260	34.48	-11.52	46.00	34.35	6.05	21.44	27.36	Peak	---	---

Vertical



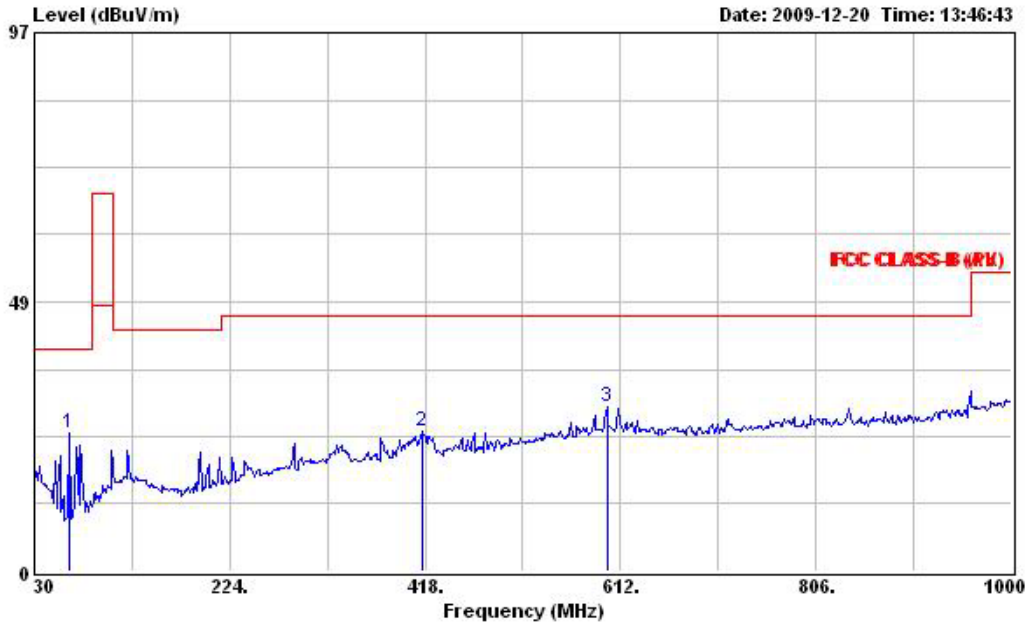
Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 VERTICAL  
 Model : ST5TK1  
 Memo : FCC ID: NKRUPAST5  
 Memo : FM 107.9M  
 Memo : FORD MONDEO  
 Memo : Medium CAR  
 Memo : 315度

	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	378.230	26.33	-19.67	46.00	35.02	4.16	15.00	27.85	Peak	---	---
2	598.420	28.58	-17.42	46.00	31.70	5.25	20.03	28.40	Peak	---	---
3	838.980	28.76	-17.24	46.00	30.75	5.79	20.06	27.84	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	107.9 MHz/ 0° / Mode 2		

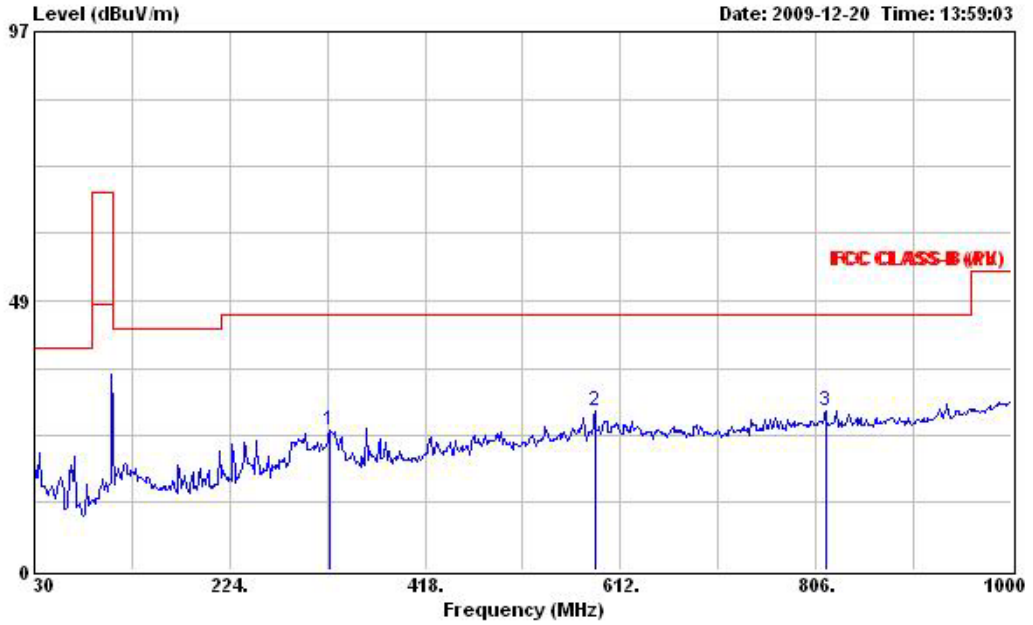
Horizontal



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 HORIZONTAL  
 Model : ST5TK1  
 Memo : FCC ID:NKRUPAST5  
 Memo : FM 107.9M  
 Memo : Mitsubishi ( LANCER GLXi )  
 Memo : Small 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	63.950	25.03	-14.97	40.00	44.17	1.96	7.07	28.17	Peak	---	---
2	416.060	25.31	-20.69	46.00	33.36	4.36	15.65	28.06	Peak	---	---
3	598.420	29.58	-16.42	46.00	32.70	5.25	20.03	28.40	Peak	---	---

Vertical



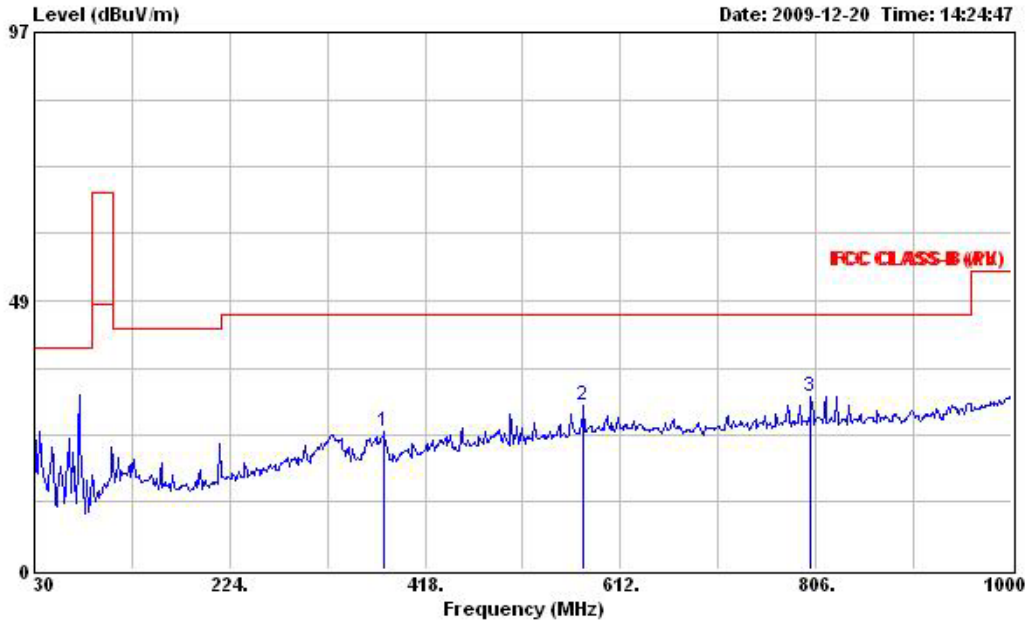
Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 VERTICAL  
 Model : ST5TK1  
 Memo : FCC ID:NKRUPAST5  
 Memo : FM 107.9M  
 Memo : Mitsubishi ( LANCER GLXi )  
 Memo : Small CAR  
 Memo : 0度

	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	322.940	25.33	-20.67	46.00	34.71	3.92	14.15	27.45	Peak	---	---
2	586.780	28.61	-17.39	46.00	32.10	5.20	19.71	28.40	Peak	---	---
3	815.700	28.72	-17.28	46.00	30.94	5.60	20.12	27.94	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	107.9 MHz/ 45° / Mode 2		

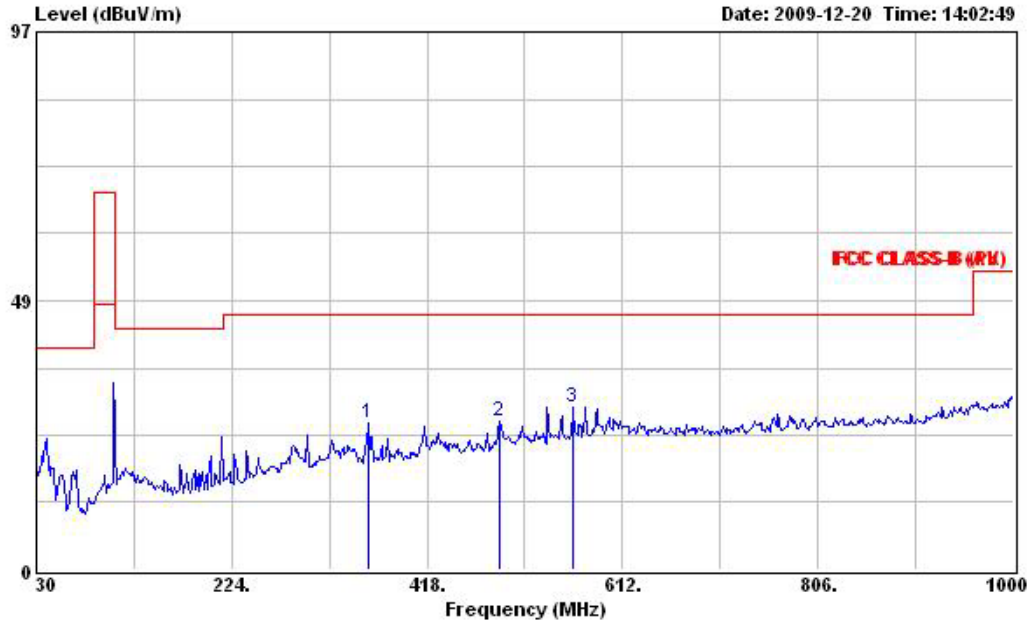
Horizontal



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 HORIZONTAL  
 Model : ST5TK1  
 Memo : FCC ID:NKRUPAST5  
 Memo : FM 107.9M  
 Memo : Mitsubishi ( LANCER GLXi )  
 Memo : Small 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	377.260	24.81	-21.19	46.00	33.52	4.15	14.98	27.84	Peak	---	---
2	575.140	29.74	-16.26	46.00	33.61	5.14	19.39	28.40	Peak	---	---
3	801.150	31.33	-14.67	46.00	33.67	5.48	20.17	27.99	Peak	---	---

Vertical



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 VERTICAL  
 Model : ST5TK1  
 Memo : FCC ID:NKRUPAST5  
 Memo : FM 107.9M  
 Memo : Mitsubishi ( LANCER GLXi )  
 Memo : Small CAR  
 Memo : 45度

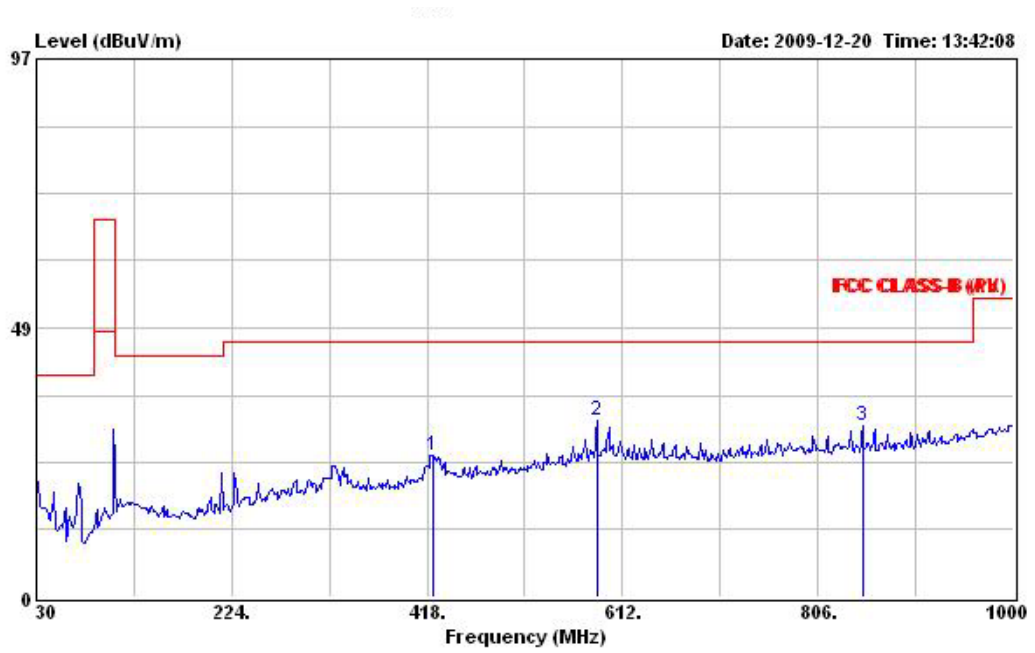
	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	358.830	26.44	-19.56	46.00	35.40	4.05	14.70	27.71	Peak	---	---
2	489.780	26.72	-19.28	46.00	33.34	4.60	17.14	28.36	Peak	---	---
3	563.500	29.21	-16.79	46.00	33.45	5.09	19.07	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	107.9 MHz/ 90° / Mode 2		

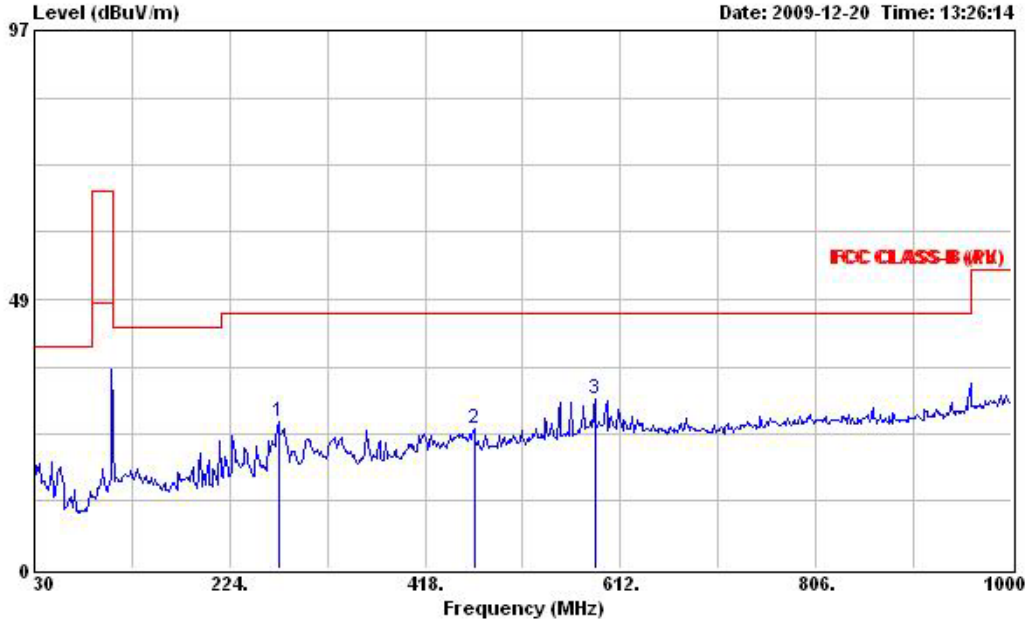
Horizontal



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 HORIZONTAL  
 Model : ST5TK1  
 Memo : FCC ID:NKRUPAST5  
 Memo : FM 107.9M  
 Memo : Mitsubishi ( LANCER GLXi )  
 Memo : Small 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	423.820	25.46	-20.54	46.00	33.35	4.39	15.81	28.09	Peak	---	---
2	586.780	31.84	-14.16	46.00	35.33	5.20	19.71	28.40	Peak	---	---
3	850.620	30.82	-15.18	46.00	32.71	5.89	20.02	27.80	Peak	---	---

Vertical



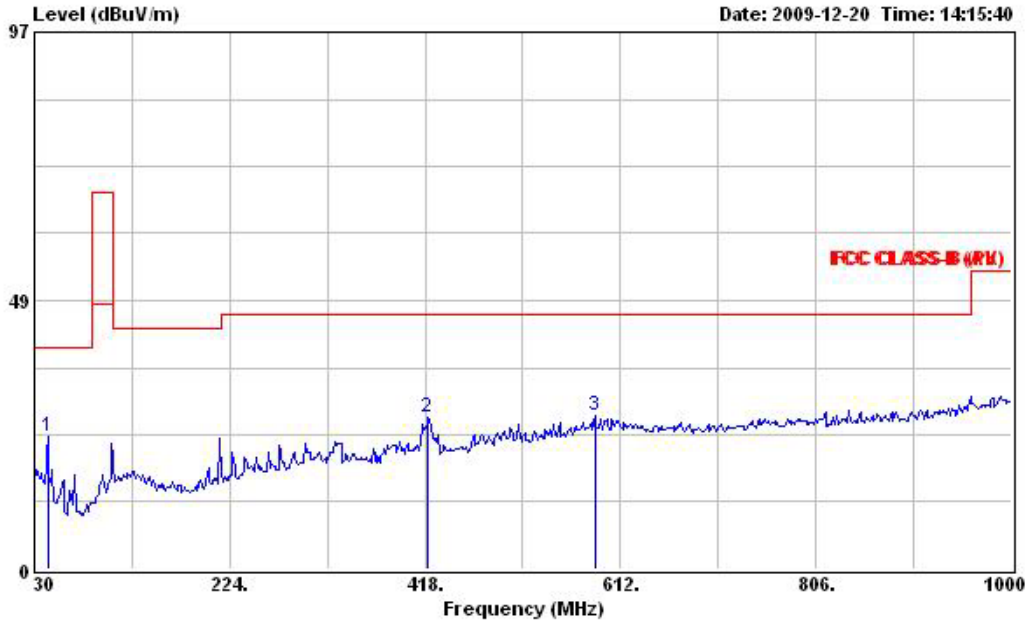
Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 VERTICAL  
 Model : ST5TK1  
 Memo : FCC ID:NKRUPAST5  
 Memo : FM 107.9M  
 Memo : Mitsubishi ( LANCER GLXi )  
 Memo : Small CAR  
 Memo : 90度

	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	272.500	26.34	-19.66	46.00	36.87	3.61	13.24	27.38	Peak	---	---
2	466.500	25.29	-20.71	46.00	32.33	4.55	16.67	28.26	Peak	---	---
3	586.780	30.67	-15.33	46.00	34.16	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	107.9 MHz/ 135° / Mode 2		

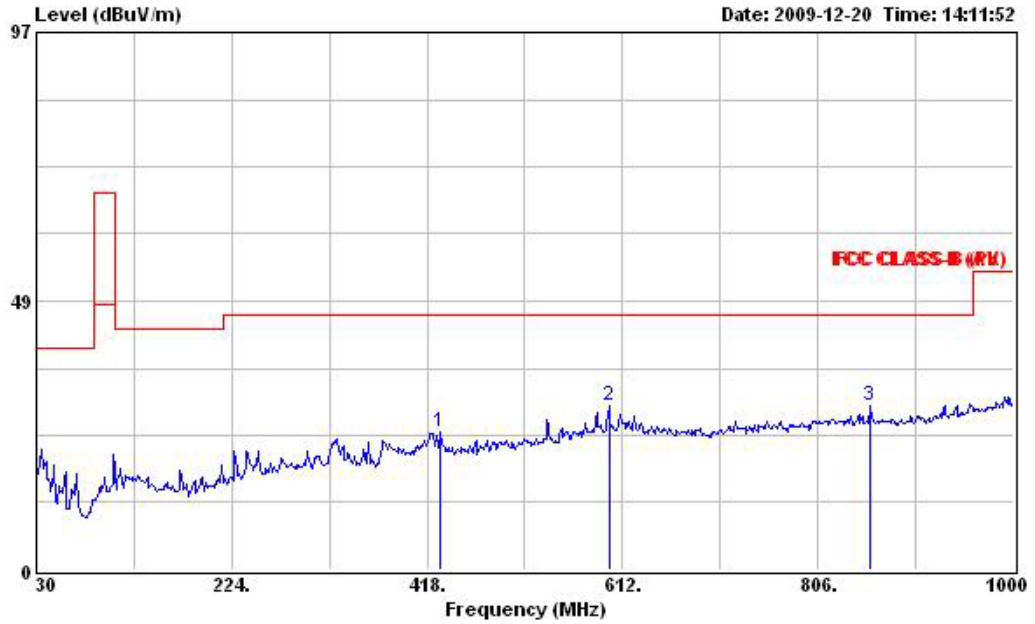
Horizontal



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 HORIZONTAL  
 Model : ST5TK1  
 Memo : FCC ID:NKRUPAST5  
 Memo : FM 107.9M  
 Memo : Mitsubishi ( LANCER GLXi )  
 Memo : Small CAR  
 Memo : 135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	43.580	24.04	-15.96	40.00	38.17	1.52	12.57	28.22	Peak	---	---
2	420.910	27.45	-18.55	46.00	35.40	4.38	15.75	28.08	Peak	---	---
3	586.780	27.72	-18.28	46.00	31.21	5.20	19.71	28.40	Peak	---	---

Vertical



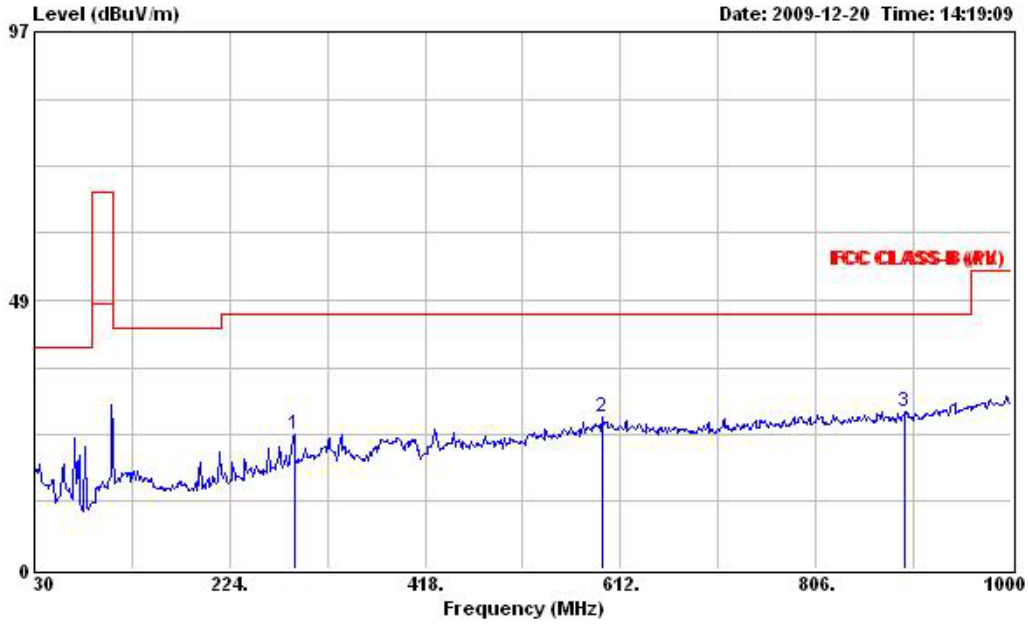
Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 VERTICAL  
 Model : ST5TK1  
 Memo : FCC ID:NKRUPAST5  
 Memo : FM 107.9M  
 Memo : Mitsubishi (LANCER GLXi)  
 Memo : Small CAR  
 Memo : 135度

	Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Remark	Ant	Table
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	431.580	25.03	-20.97	46.00	32.76	4.43	15.96	28.12	Peak	---	---
2	598.420	29.67	-16.33	46.00	32.79	5.25	20.03	28.40	Peak	---	---
3	858.380	29.49	-16.51	46.00	31.35	5.91	20.00	27.77	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	107.9 MHz/ 225° / Mode 2		

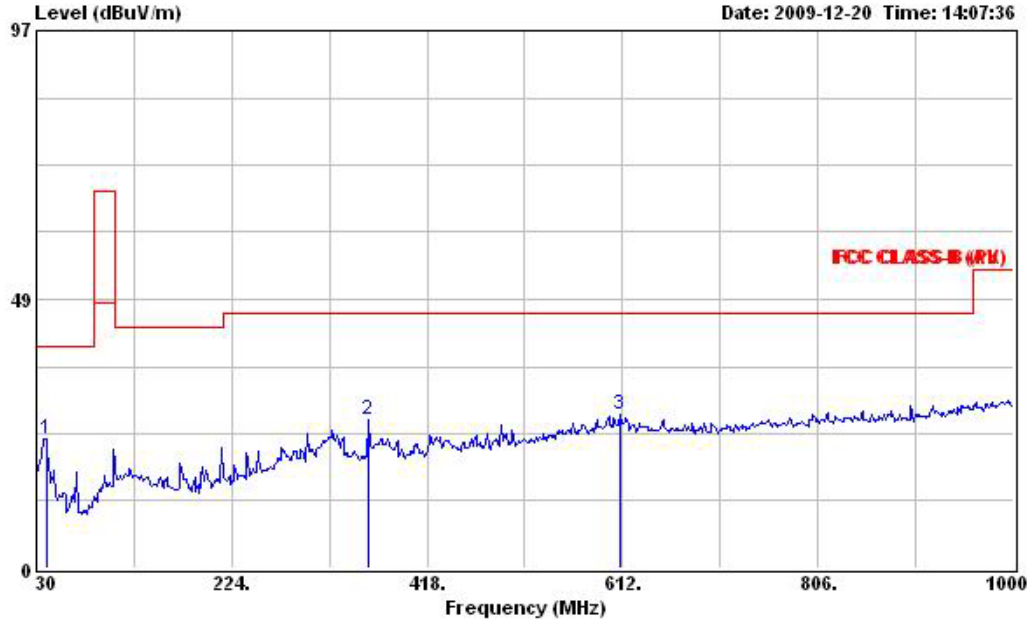
Horizontal



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 HORIZONTAL  
 Model : ST5TK1  
 Memo : FCC ID:NKRUPAST5  
 Memo : FM 107.9M  
 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	288.020	24.37	-21.63	46.00	34.40	3.75	13.56	27.34	Peak	---	---
2	594.540	27.42	-18.58	46.00	30.67	5.23	19.92	28.40	Peak	---	---
3	894.270	28.41	-17.59	46.00	30.09	6.04	19.90	27.62	Peak	---	---

Vertical



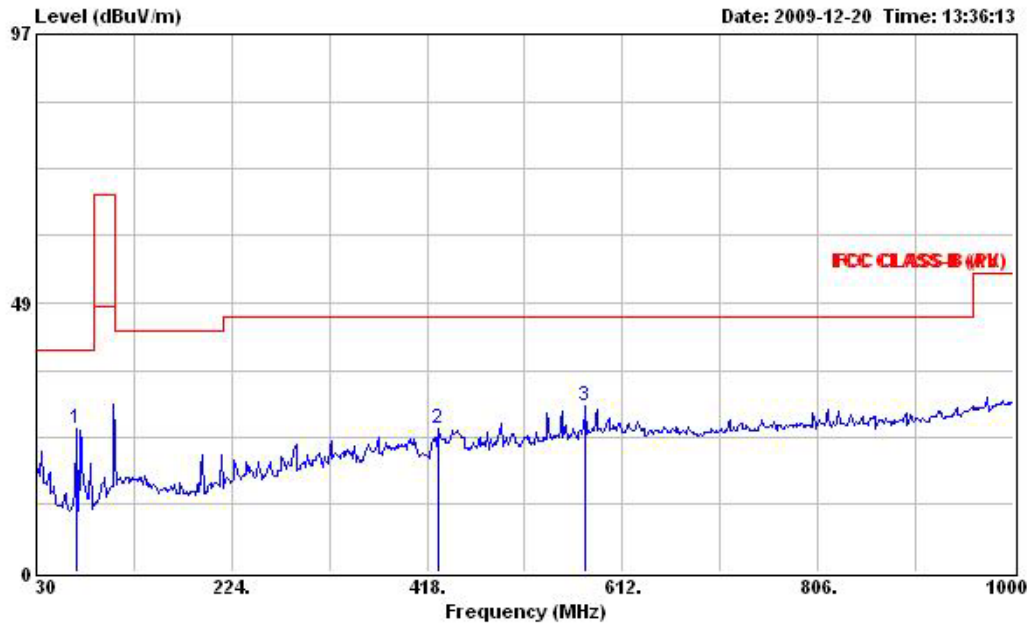
Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 VERTICAL  
 Model : ST5TK1  
 Memo : FCC ID:NKRUPAST5  
 Memo : FM 107.9M  
 Memo : Mitsubishi (LANCER GLXi)  
 Memo : Small CAR  
 Memo : 225度

	Freq	Level	Over	Limit	Read	Cable	Probe	Preamp	Remark	Ant	Table
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	39.700	23.43	-16.57	40.00	36.58	1.43	13.65	28.23	Peak	---	---
2	358.830	26.84	-19.16	46.00	35.80	4.05	14.70	27.71	Peak	---	---
3	610.060	27.60	-18.40	46.00	30.77	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	107.9 MHz/ 270° / Mode 2		

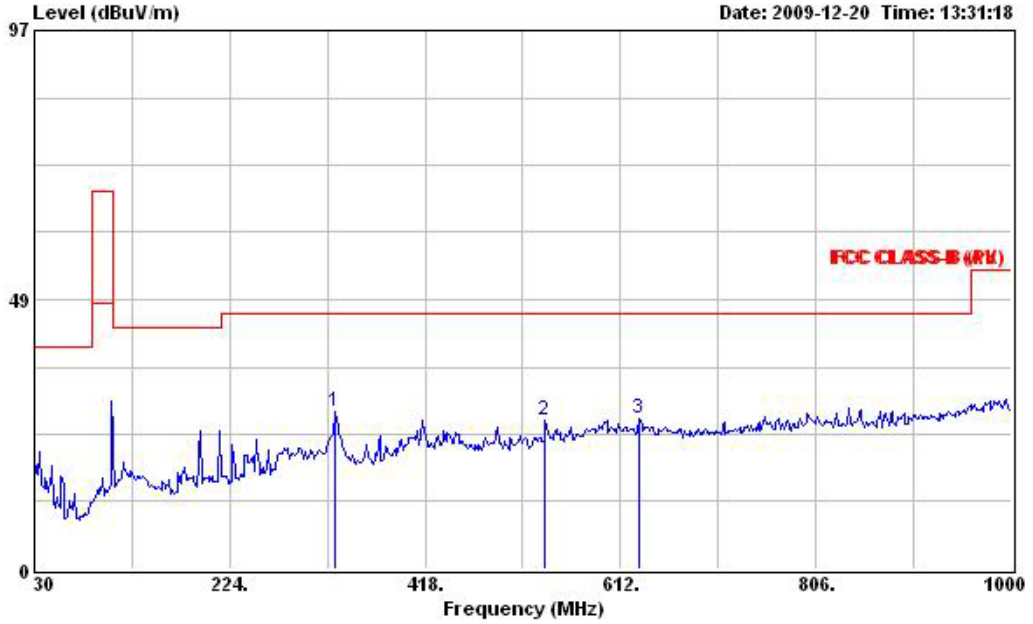
Horizontal



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 HORIZONTAL  
 Model : ST5TK1  
 Memo : FCC ID:NKRUPAST5  
 Memo : FM 107.9M  
 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	70.740	25.78	-14.22	40.00	44.95	1.95	7.04	28.16	Peak	---	---
2	428.670	25.97	-20.03	46.00	33.76	4.41	15.91	28.11	Peak	---	---
3	575.140	30.06	-15.94	46.00	33.93	5.14	19.39	28.40	Peak	---	---

Vertical



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 VERTICAL  
 Model : ST5TK1  
 Memo : FCC ID:NKRUPAST5  
 Memo : FM 107.9M  
 Memo : Mitsubishi ( LANCER GLXi )  
 Memo : Small CAR  
 Memo : 270度

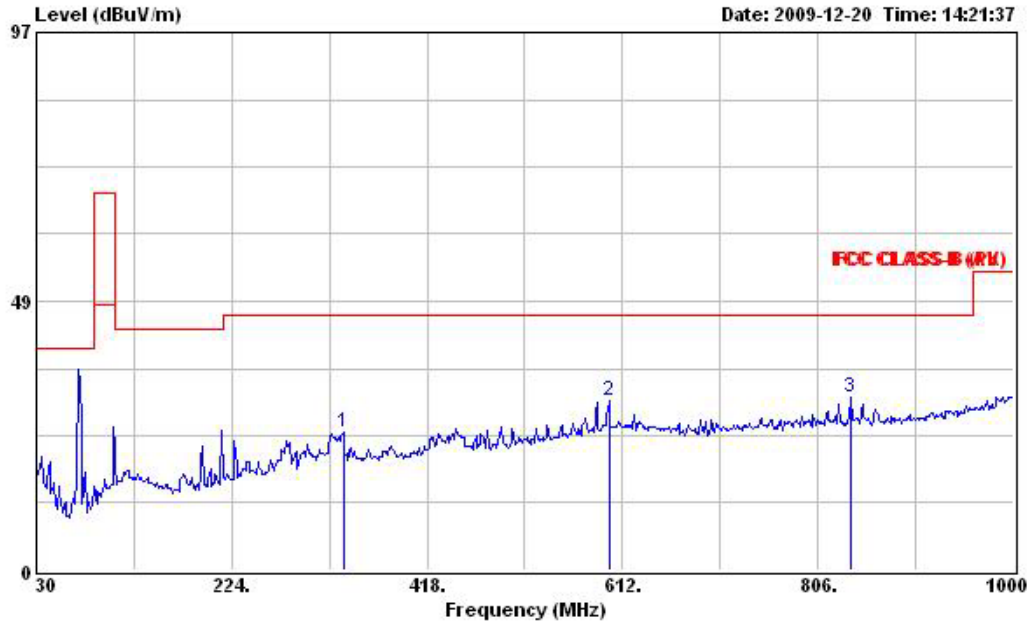
	Freq	Level	Over Limit	Limit Line	Read Level	Cable Loss	Probe Factor	Preamp Factor	Remark	Ant Pos	Table Pos
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB	dB	dB		cm	deg
1	327.790	28.26	-17.74	46.00	37.58	3.94	14.23	27.49	Peak	---	---
2	537.310	26.78	-19.22	46.00	31.90	4.92	18.36	28.40	Peak	---	---
3	630.430	26.96	-19.04	46.00	30.36	5.24	19.73	28.37	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	107.9 MHz/ 315° / Mode 2		

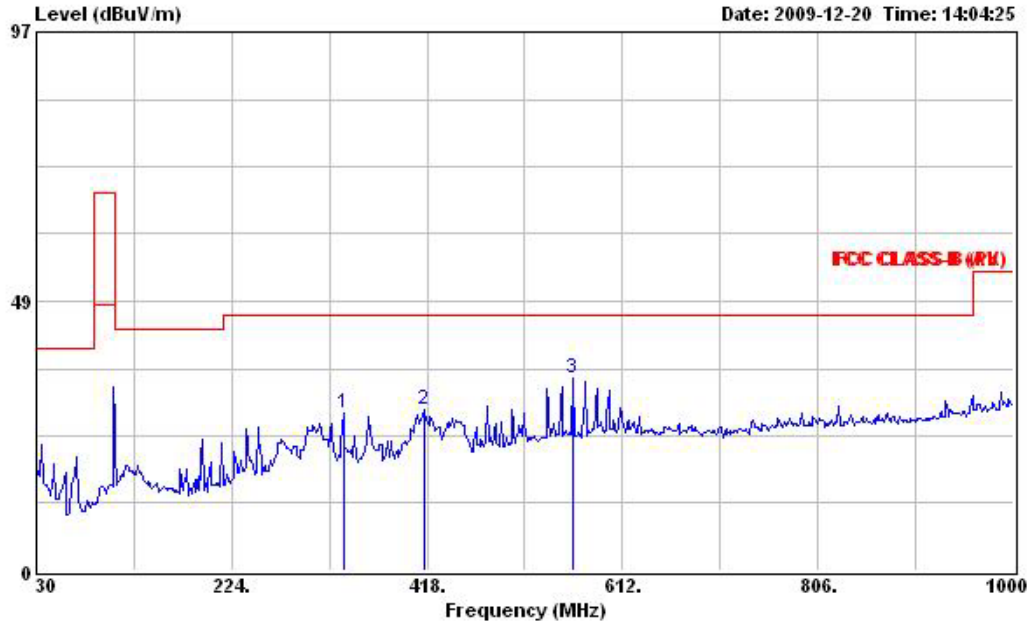
Horizontal



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 HORIZONTAL  
 Model : ST5TK1  
 Memo : FCC ID:NKRUPAST5  
 Memo : FM 107.9M  
 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	25.00	-21.00	46.00	34.25	3.96	14.33	27.54	Peak	---	---
2	598.420	30.50	-15.50	46.00	33.62	5.25	20.03	28.40	Peak	---	---
3	838.980	31.04	-14.96	46.00	33.03	5.79	20.06	27.84	Peak	---	---

Vertical



Site : 10CH01-HY  
 Condition : FCC CLASS-B (PK) 3m AT-2681 VERTICAL  
 Model : ST5TK1  
 Memo : FCC ID: NKRUPAST5  
 Memo : FM 107.9M  
 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	334.580	28.32	-17.68	46.00	37.57	3.96	14.33	27.54	Peak	---	---
2	416.060	29.11	-16.89	46.00	37.16	4.36	15.65	28.06	Peak	---	---
3	563.500	34.60	-11.40	46.00	38.84	5.09	19.07	28.40	Peak	---	---

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