

**Application for Certification  
Remote Control Transmitter**

Kyosho Corp. of America  
20322 Valencia Circle  
Lake Forest, CA 92630

KT-18

FCC ID: WIZKT18

REPORT # RV88066D-003

This report was prepared in accordance with the requirements of the FCC Rules and Regulations Part 2, SubpartJ, 2.1033, Part 15.247 and other applicable sections of the rules as indicated herein.

Prepared By:

DNB Engineering, Inc.  
5969 Robinson Avenue  
Riverside, CA 92503

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Paragraph numbers in this report follow the application section numbers found in the FCC Rules and Regulations, Part 2, Subpart J for Certification of electronic equipment.

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## 1.0 ADMINISTRATIVE DATA

### 1.1 Certifications and Qualifications

I certify that DNB Engineering, Inc conducted the tests performed in order to obtain the technical data presented in this application. Also, based on the results of the enclosed data, I have concluded that the equipment tested meets or exceeds the requirements of the Rules and Regulations governing this application.

### 1.2 Measurement Repeatability Information

The test data presented in this report has been acquired using the guidelines set forth in FCC Part 2.1031 through 2.1057, Part 15. The test results presented in this document are valid only for the equipment identified herein under the test conditions described. Repeatability of these test results will only be achieved with identical measurement conditions. These conditions include: The made test distance, EUT Height, Measurement Site Characteristics, and the same EUT System Components. The system must have the same interconnecting Cables arranged in identical placement to that in the test setup, with the system and/or EUT functioning in the identical mode of operation (i.e. software and so on) as on the date of the test. Any deviation from the test conditions and the environment on the date of the test may result in measurement repeatability difficulties.

All changes made to the EUT during the course of testing as identified in this test report must be incorporated into the EUT or identical models to ensure compliance with the FCC regulations.

*Thomas Elders*

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## 2.1033 (b) (1) Application for Certification

Name of Applicant:	Kyosho Corp of America
Applicant is:	Manufacturer
Name of Manufacturer:	Kyosho Corp of America
Description:	Remote Control Transmitter
Part Number:	KT-18
Anticipated Production Quantity:	Multiple Units
15.247 Frequency Bands:	2.402 GHz – 2.480 GHz
15.247 Rated Power:	.5 mW
Type of Signal:	Digital Modulation

2.1033 (b) (2) FCC Identifier

WIZ KT18

2.1033 (b) (3) Installation and Operating Instructions

To be filed as a separate attachment

## 2.1033 (b) (4) Brief Description of Circuit Function

## 2.1033 (b) (5) Block Diagram



## 2.1033 (b) (6) Report of Measurements

#### 15.207 Conducted Emissions (General Provisions)

Not Applicable. The equipment does not connect directly to the AC mains.

## 15.209 Radiated Emissions (General Provisions)

### Test Procedure:

The EUT was measured on an open area test site (OATS).

A measuring distance of at least 3m shall be used for measurements at frequencies up to 1 GHz. For frequencies above 1 GHz, any suitable measuring distance may be used. The equipment size (excluding the antenna) shall be less than 20% of the measuring distance.

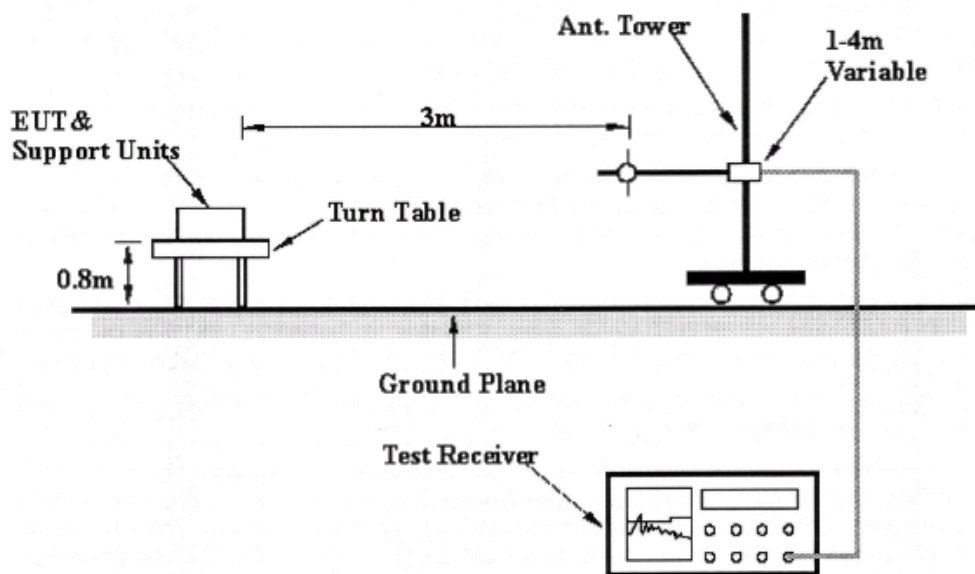
Sufficient precautions shall be taken to ensure that reflections from extraneous objects adjacent to the site do not degrade the measurement results, in particular:


- no extraneous conduction objects having any dimension in excess of a quarter wavelength of the highest frequency tested shall be in the immediate vicinity of the site;
- all cables shall be as short as possible; as much of the cables as possible shall be on the ground plane or preferably below; and the low impedance cables shall be screened.

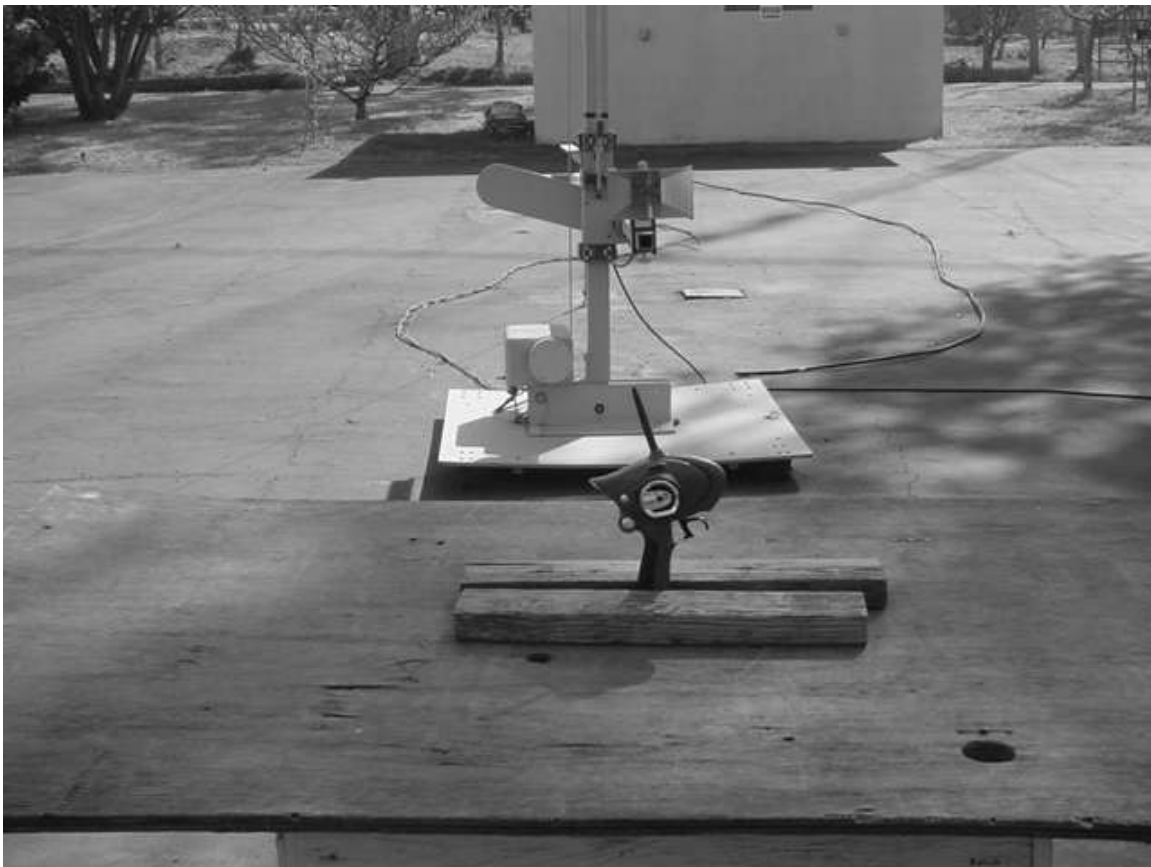
The EUT shall be placed upon a non-conductive table .8 meters above the ground plane and shall be placed in the “worst case” transmitting mode. The EUT shall be rotated 360 degrees to find the azimuth maxima. The receive antenna shall then be raised and lowered between 1 to 4 meters to find the maximum signal emanating from the EUT. This signal strength is then recorded on the data sheets.


Frequency (MHz)	Field Strength (uV/m)	Field Strength (dBuVm)	Measurement Distance (meters)
.009 – 0.490	2400/F(kHz)	20*(Log10(2400/F(kHz))	300
0.490 – 1.705	24000/F(kHz)	20*(Log10(24000/F(kHz))	30
1.705 – 30.0	30	29.5	30
30 – 88	100	40	3
88 – 216	150	43.5	3
216 – 960	200	46.0	3
Above 960	500	54.0	3

	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	Radiated Emissions	
DNB Job Number:	88066	Date:	11-25-2007
Customer:	Kyosho Corp. of America		15.209
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Test Setup			




		5969 Robinson Ave. Riverside, CA 92503 (951)637-2630		<b>Radiated Emissions</b>	
DNB Job Number:		880066		Date:	11-24-2007
Customer:		Kyosho Corp. of America			<b>15.209</b>
Model Number:		KT-18		Specification:	
Description:		Remote Control Transmitter			
Test Setup					
Transmit Ant.		Vertical	Receive Ant.	Vertical	




		5969 Robinson Ave. Riverside, CA 92503 (951)637-2630		<b>Radiated Emissions</b>	
DNB Job Number:		88066		Date:	11-24-2007
Customer:		Kyosho Corp. of America			<b>15.209</b>
Model Number:		KT-18		Specification:	
Description:		Remote Control Transmitter			
Test Setup					
Transmit Ant.		Vertical	Receive Ant.	Horizontal	




	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (spurious)	
DNB Job Number:	88066	Date:	11-24-2007
Customer:	Kyosho Corp. of America		<b>15.209</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 1			

Frequency	Meter	Cable 1	Cable 2	Antenna	Preamp	Corrected	Limit	Margin	Polarity
1007	23.1	1.64	0.6	23.7	21.57	27.47	54	-26.53	Vertical
1030	34.36	1.64	0.62	23.7	21.57	38.75	54	-15.25	Vertical
1043	36.96	1.64	0.62	23.7	21.57	41.35	54	-12.65	Vertical
1059	40.84	1.64	0.62	23.7	21.57	45.23	54	-8.77	Vertical
1253	38.89	1.72	0.66	23.7	22.04	42.93	54	-11.07	Vertical
1602	25.44	1.06	0.76	25.3	22.03	23.99	54	-30.01	Vertical
1955	41.87	1.14	0.83	27.5	21.03	37.37	54	-16.63	Vertical
2402	55.38	1.26	0.92	29.2	18.31	68.45	Fund		Vertical
4804	22.43	1.65	1.04	30.3	11.68	43.74	54	-10.26	Vertical
7206	27.5	2.89	1.84	35.9	29.18	38.95	54	-15.05	Vertical
9608	26.52	3.07	2.17	38.2	23.72	46.24	54	-7.76	Vertical
12010	25.89	5.92	2.14	39.1	24.3	48.75	54	-5.25	Vertical
1007	23.41	1.64	0.6	23.7	21.57	27.78	54	-26.22	Horizontal
1030	44.52	1.64	0.62	23.7	21.57	48.91	54	-5.09	Horizontal
1043	33.48	1.64	0.62	23.7	21.57	37.87	54	-16.13	Horizontal
1059	34.48	1.64	0.62	23.7	21.57	38.87	54	-15.13	Horizontal
1253	25.13	1.72	0.66	23.7	22.04	29.17	54	-24.83	Horizontal
1602	23	1.06	0.76	25.3	22.03	28.09	54	-25.91	Horizontal
1955	39.36	1.14	0.83	27.5	21.03	47.8	54	-6.2	Horizontal
2402	50.43	1.26	0.92	29.2	18.31	63.5	Fund		Horizontal
4804	23.27	1.65	1.04	30.3	11.68	44.58	54	-9.42	Horizontal
7206	27.64	2.89	1.84	35.9	29.18	39.09	54	-14.91	Horizontal
9608	26.64	3.07	2.17	38.2	23.72	46.36	54	-7.64	Horizontal
12010	27.18	5.92	2.14	39.1	24.3	50.04	54	-3.96	Horizontal

	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (spurious)	
DNB Job Number:	88066	Date:	6-11-2008
Customer:	Kyosho Corp. of America		<b>15.209</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 2			

Frequency	Meter	Cable 1	Cable 2	Antenna	Preamp	Corrected	Limit	Margin	Polarity
1007	24.67	1.64	0.6	23.7	21.57	28.44	54	-25.56	Vertical
1030	36.61	1.64	0.62	23.7	21.57	40.38	54	-13.62	Vertical
1043	34.21	1.64	0.62	23.7	21.57	37.98	54	-16.02	Vertical
1059	36.09	1.64	0.62	23.7	21.57	39.86	54	-14.14	Vertical
1253	40.32	1.72	0.66	23.7	22.04	43.7	54	-10.3	Vertical
1602	24.55	1.06	0.76	25.3	22.03	28.88	54	-25.12	Vertical
1955	43.63	1.14	0.83	27.5	21.03	51.24	54	-2.76	Vertical
2440	56.44	1.26	0.92	29.2	18.31	68.59	Fund		Vertical
4880	23.56	1.65	1.04	30.3	11.68	43.83	54	-10.17	Vertical
7320	33.98	2.89	1.84	35.9	29.18	43.59	54	-10.41	Vertical
9760	25.66	3.07	2.17	38.2	23.72	43.21	54	-10.79	Vertical
12200	23.41	5.92	2.14	39.1	24.3	44.13	54	-9.87	Vertical
1007	27.82	1.64	0.6	23.7	21.57	31.59	54	-22.41	Horizontal
1030	39.89	1.64	0.62	23.7	21.57	43.66	54	-10.34	Horizontal
1043	35.67	1.64	0.62	23.7	21.57	39.44	54	-14.56	Horizontal
1059	34.22	1.64	0.62	23.7	21.57	37.99	54	-16.01	Horizontal
1253	25.74	1.72	0.66	23.7	22.04	29.12	54	-24.88	Horizontal
1602	23.88	1.06	0.76	25.3	22.03	28.21	54	-25.79	Horizontal
1955	38.69	1.14	0.83	27.5	21.03	46.3	54	-7.7	Horizontal
2440	50.52	1.26	0.92	29.2	18.31	62.67	Fund		Horizontal
4880	26.01	1.65	1.04	30.3	11.68	46.28	54	-7.72	Horizontal
7320	26.77	2.89	1.84	35.9	29.18	36.38	54	-17.62	Horizontal
9760	23.09	3.07	2.17	38.2	23.72	40.64	54	-13.36	Horizontal
12200	25.19	5.92	2.14	39.1	24.3	45.91	54	-8.09	Horizontal



	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (spurious)	
DNB Job Number:	88066	Date:	6-11-2008
Customer:	Kyosho Corp. of America		<b>15.209</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 3			


Frequency	Meter	Cable 1	Cable 2	Antenna	Preamp	Corrected	Limit	Margin	Polarity
1007	23.46	1.64	0.6	23.7	21.57	27.23	54	-26.77	Vertical
1030	37.01	1.64	0.62	23.7	21.57	40.78	54	-13.22	Vertical
1043	32.5	1.64	0.62	23.7	21.57	36.27	54	-17.73	Vertical
1059	37.52	1.64	0.62	23.7	21.57	41.29	54	-12.71	Vertical
1253	39.88	1.72	0.66	23.7	22.04	43.26	54	-10.74	Vertical
1602	34.65	1.06	0.76	25.3	22.03	38.98	54	-15.02	Vertical
1955	42.69	1.14	0.83	27.5	21.03	50.3	54	-3.7	Vertical
2480	54.66	1.26	0.92	29.2	18.31	66.81	Fund		Vertical
4960	25.42	1.65	1.04	30.3	11.68	45.69	54	-8.31	Vertical
7440	27.71	2.89	1.84	35.9	29.18	37.32	54	-16.68	Vertical
9920	24.33	3.07	2.17	38.2	23.72	41.88	54	-12.12	Vertical
12400	26.59	5.92	2.14	39.1	24.3	47.31	54	-6.69	Vertical
1007	28.67	1.64	0.6	23.7	21.57	32.44	54	-21.56	Horizontal
1030	36.83	1.64	0.62	23.7	21.57	40.6	54	-13.4	Horizontal
1043	35.44	1.64	0.62	23.7	21.57	39.21	54	-14.79	Horizontal
1059	33.58	1.64	0.62	23.7	21.57	37.35	54	-16.65	Horizontal
1253	25.34	1.72	0.66	23.7	22.04	28.72	54	-25.28	Horizontal
1602	27.36	1.06	0.76	25.3	22.03	31.69	54	-22.31	Horizontal
1955	40.01	1.14	0.83	27.5	21.03	47.62	54	-6.38	Horizontal
2480	52.23	1.26	0.92	29.2	18.31	64.38	Fund		Horizontal
4960	26.09	1.65	1.04	30.3	11.68	46.36	54	-7.64	Horizontal
7440	23.57	2.89	1.84	35.9	29.18	33.18	54	-20.82	Horizontal
9920	23.71	3.07	2.17	38.2	23.72	41.26	54	-12.74	Horizontal
12400	27.32	5.92	2.14	39.1	24.3	48.04	54	-5.96	Horizontal

## 15.205 Radiated Emissions (Restricted Bands)[15.247c]

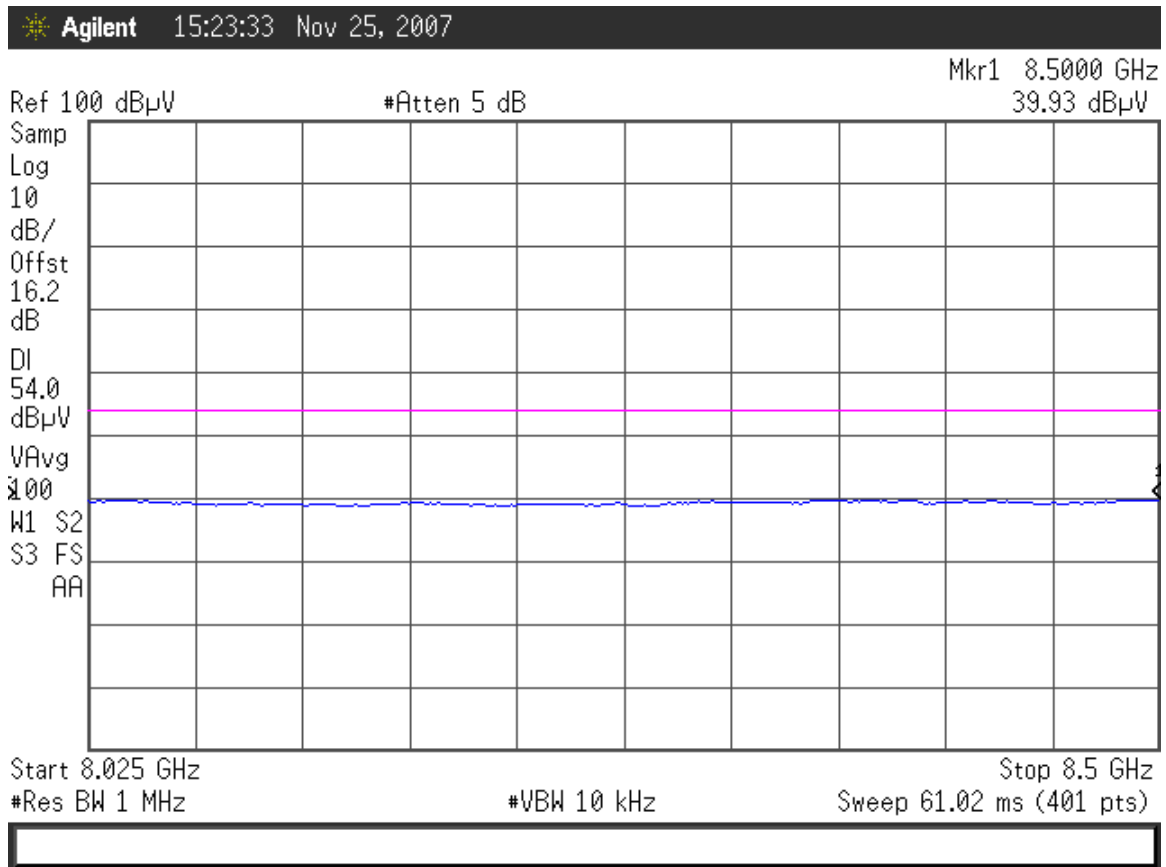
### Test Procedure:


The EUT was measured on an open area test site (OATS).

Similar test procedure to the radiated emissions. Cable loss, antenna loss, and pre-amplifier gain form a single correction factor, which in turn is input as an offset to the spectrum analyzer. Plots were made of each restricted band. If no emission was present the highest ground floor emission was taken in each band.

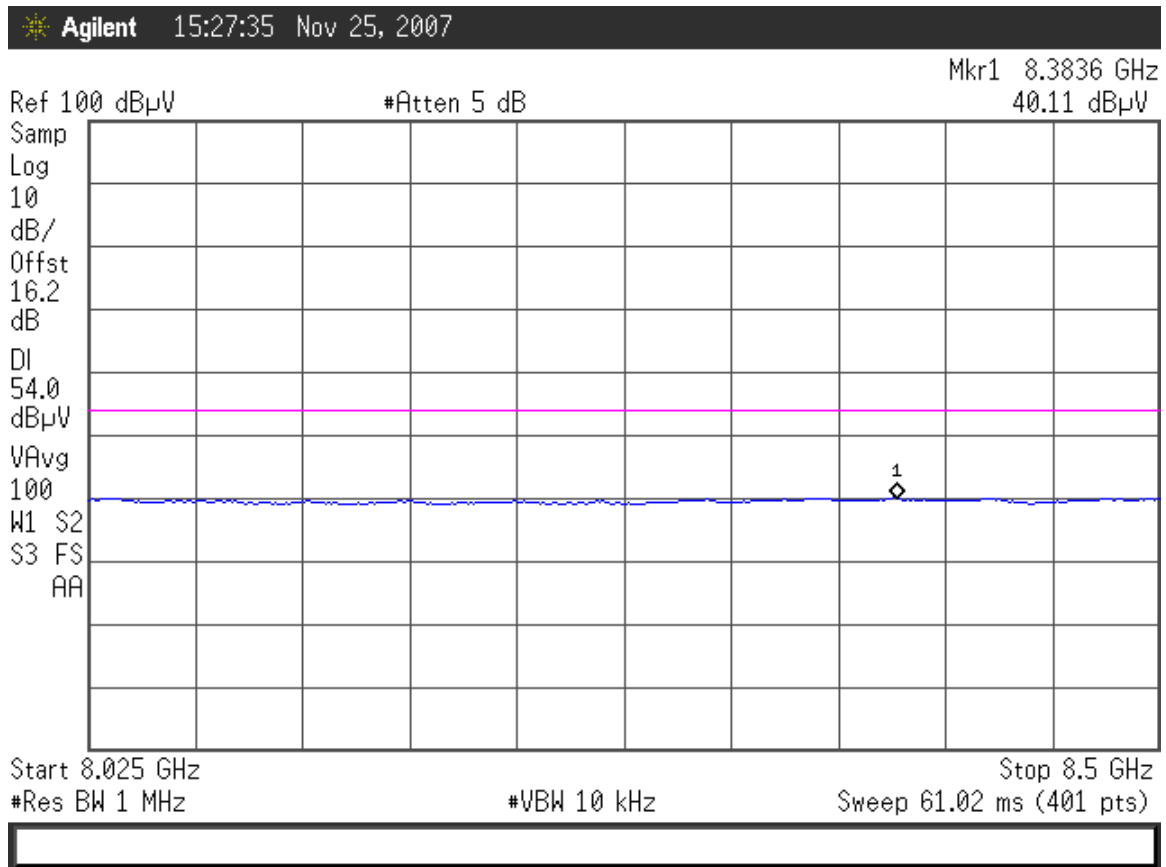
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	11-25-2007
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 1	Antenna Vertical		
Restricted Band	8.025GHz – 8.5GHz		


Average Measurement



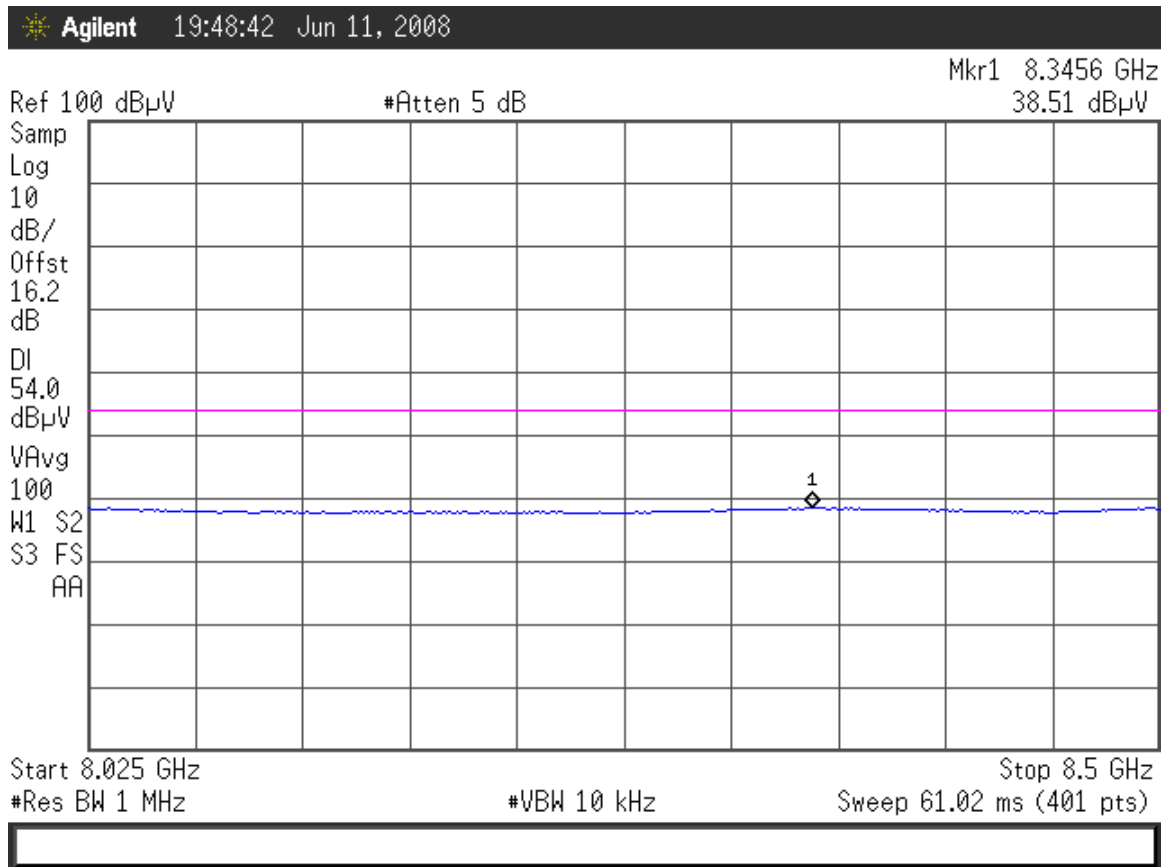
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	11-25-2007
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 1	Antenna Horizontal		
Restricted Band	8.025GHz – 8.5GHz		


### Average Measurement



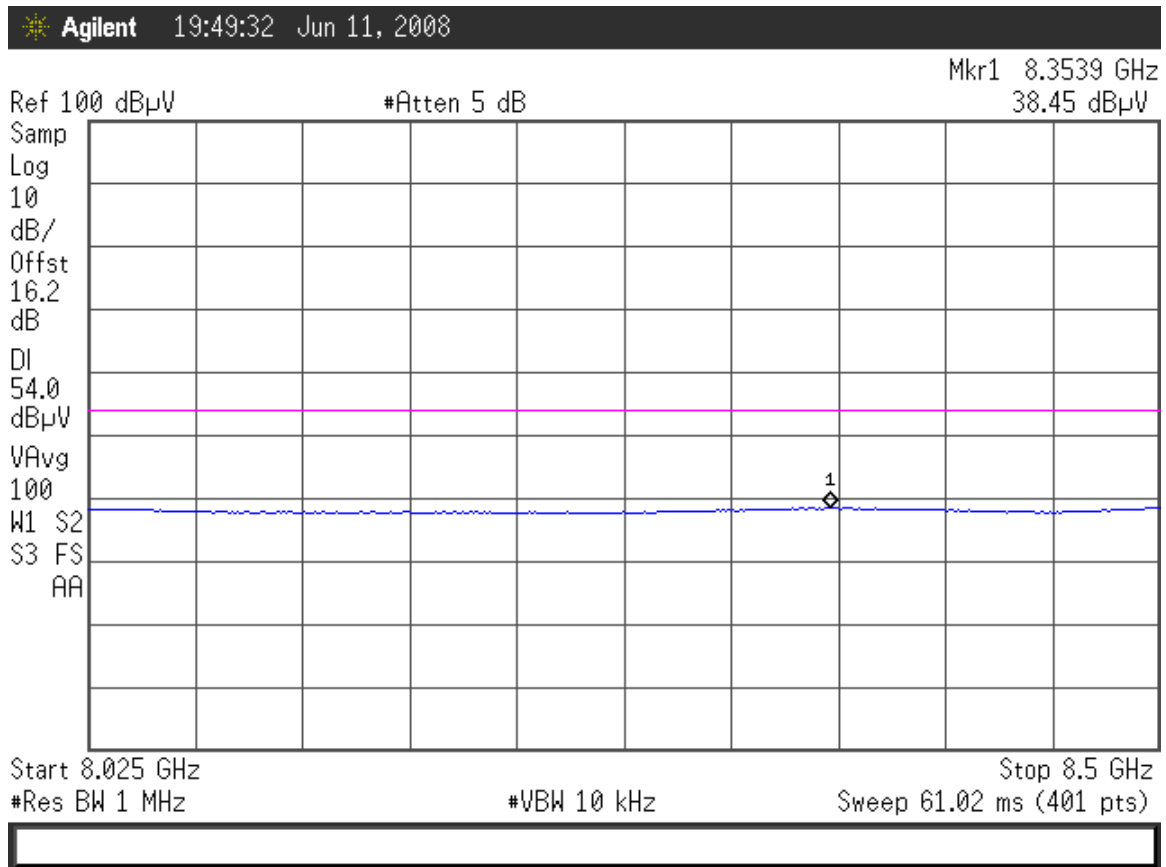
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-11-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 2	Antenna Vertical		
Restricted Band	8.025GHz – 8.5GHz		


### Average Measuring



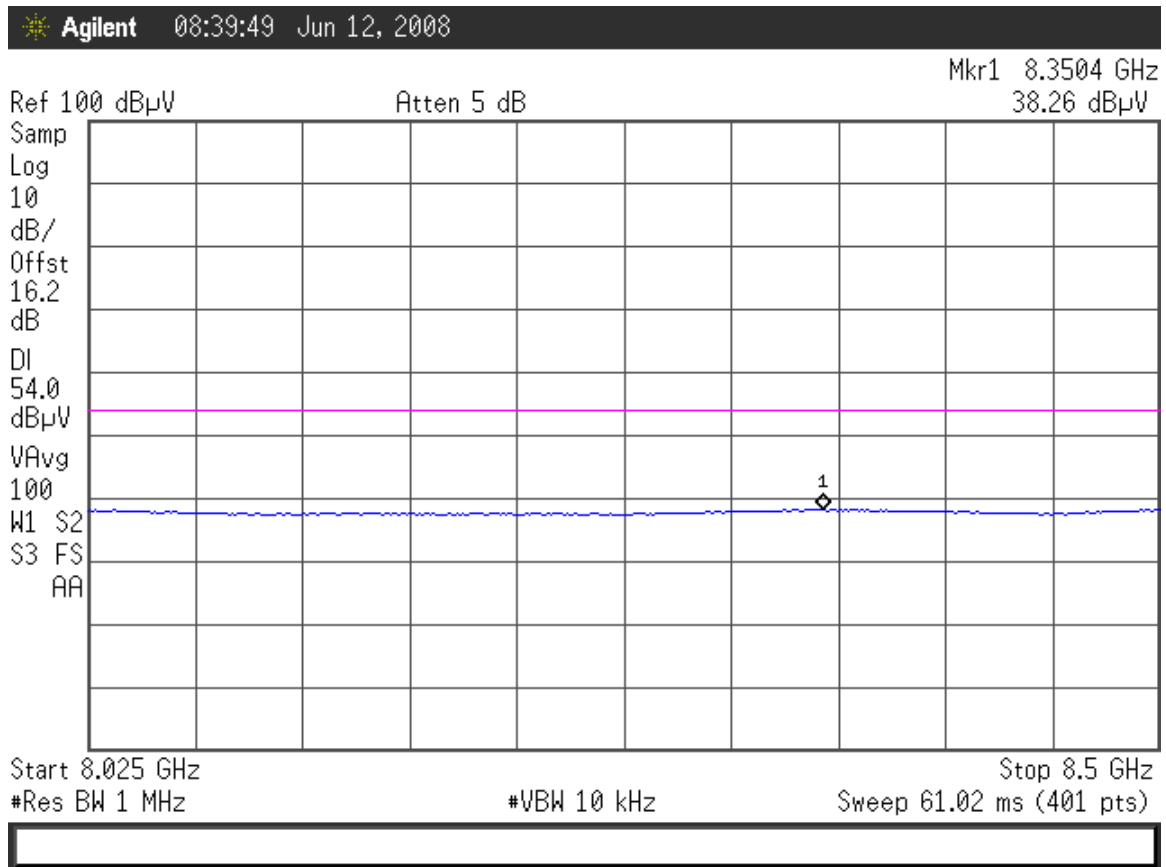
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-11-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 2	Antenna Horizontal		
Restricted Band	8.025GHz – 8.5GHz		


### Average Measuring



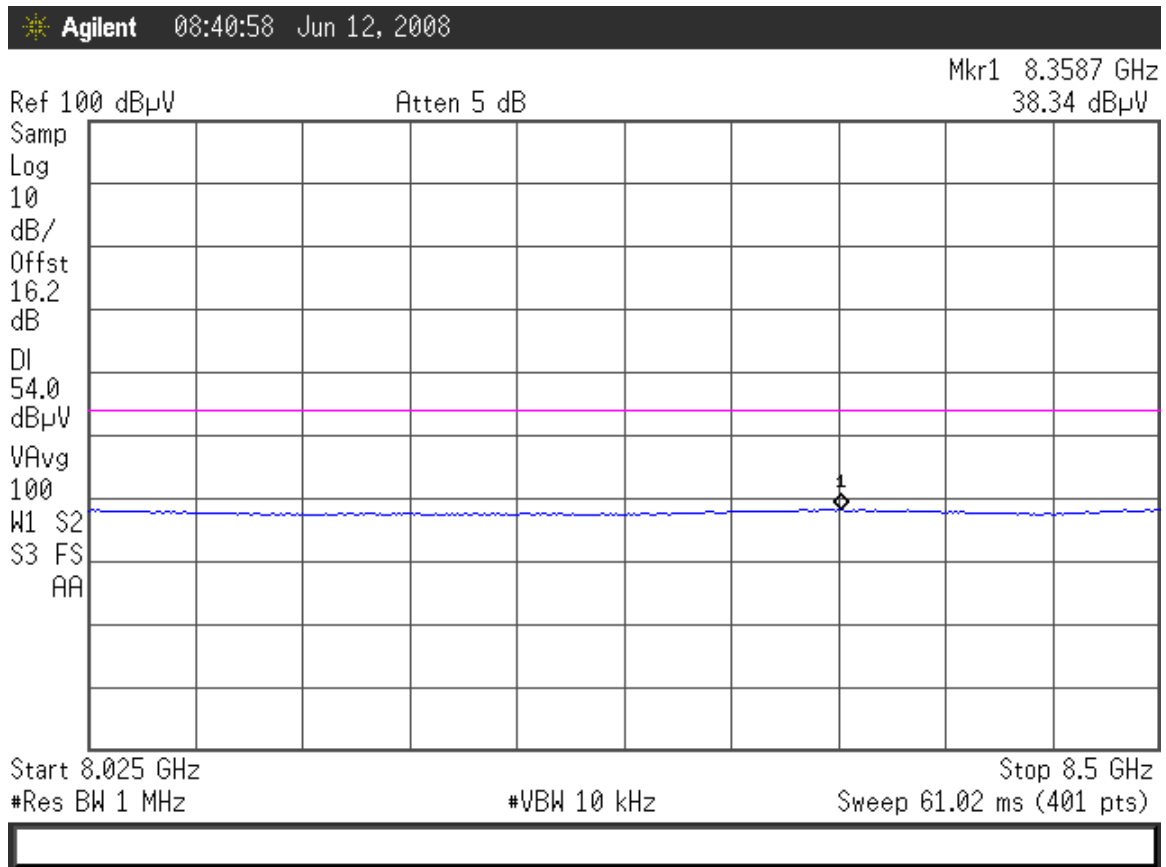
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 3	Antenna Vertical		
Restricted Band	8.025GHz – 8.5GHz		

Average Measurement




	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 3	Antenna Horizontal		
Restricted Band	8.025GHz – 8.5GHz		

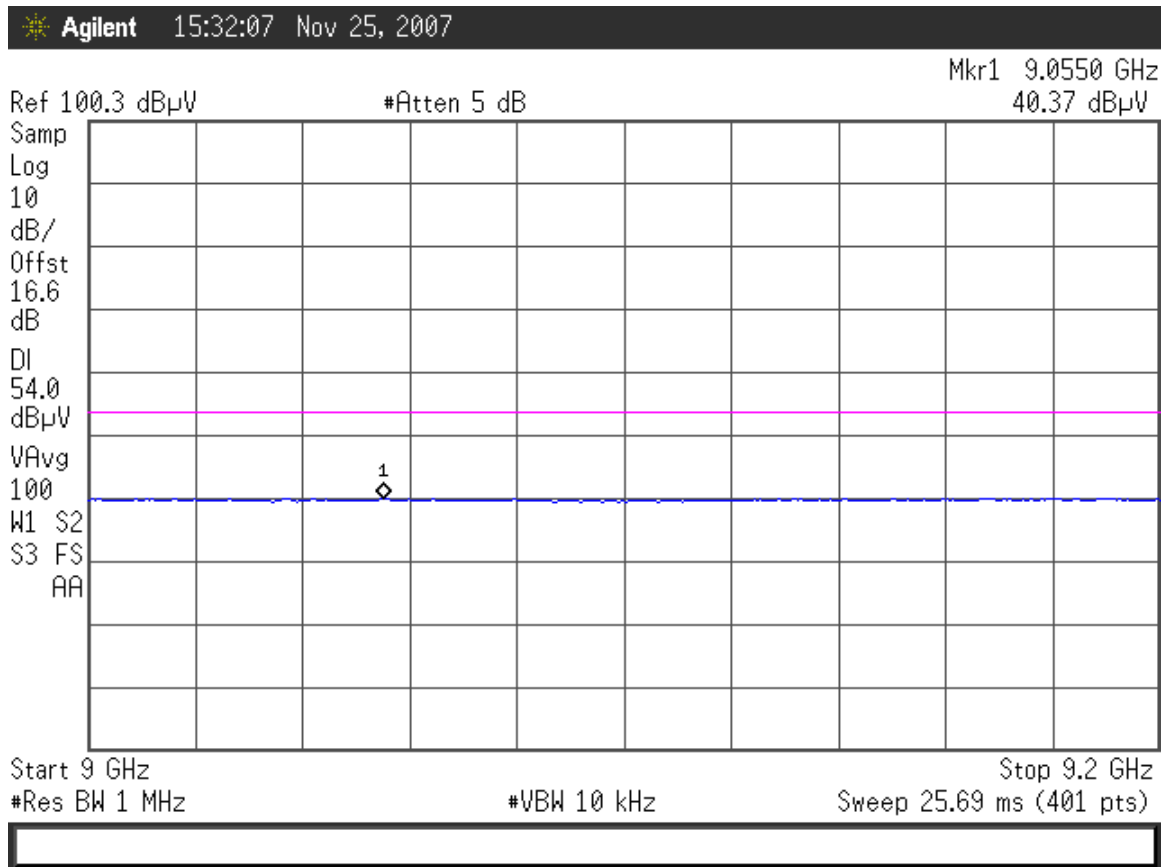
Average Measurement






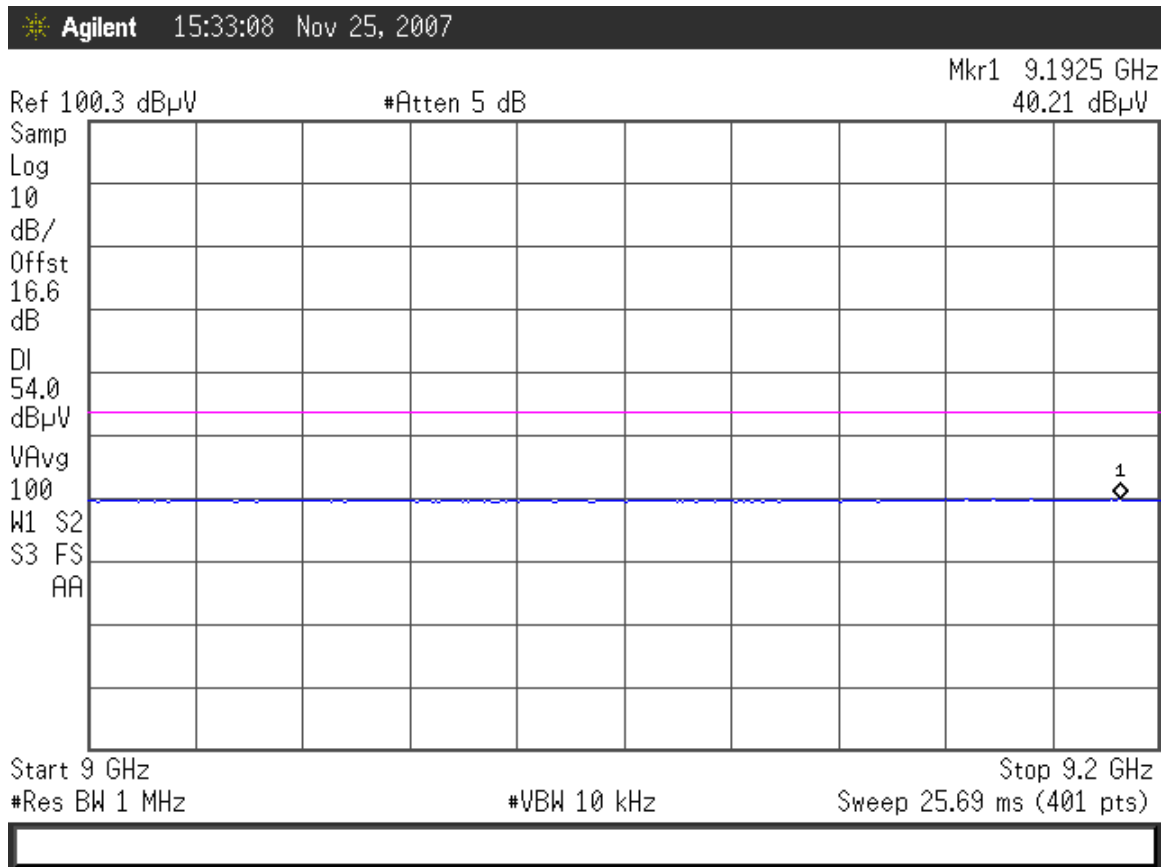
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	11-25-2007
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 1	Antenna Vertical		
Restricted Band	9GHz – 9.2GHz		


Average Measurement



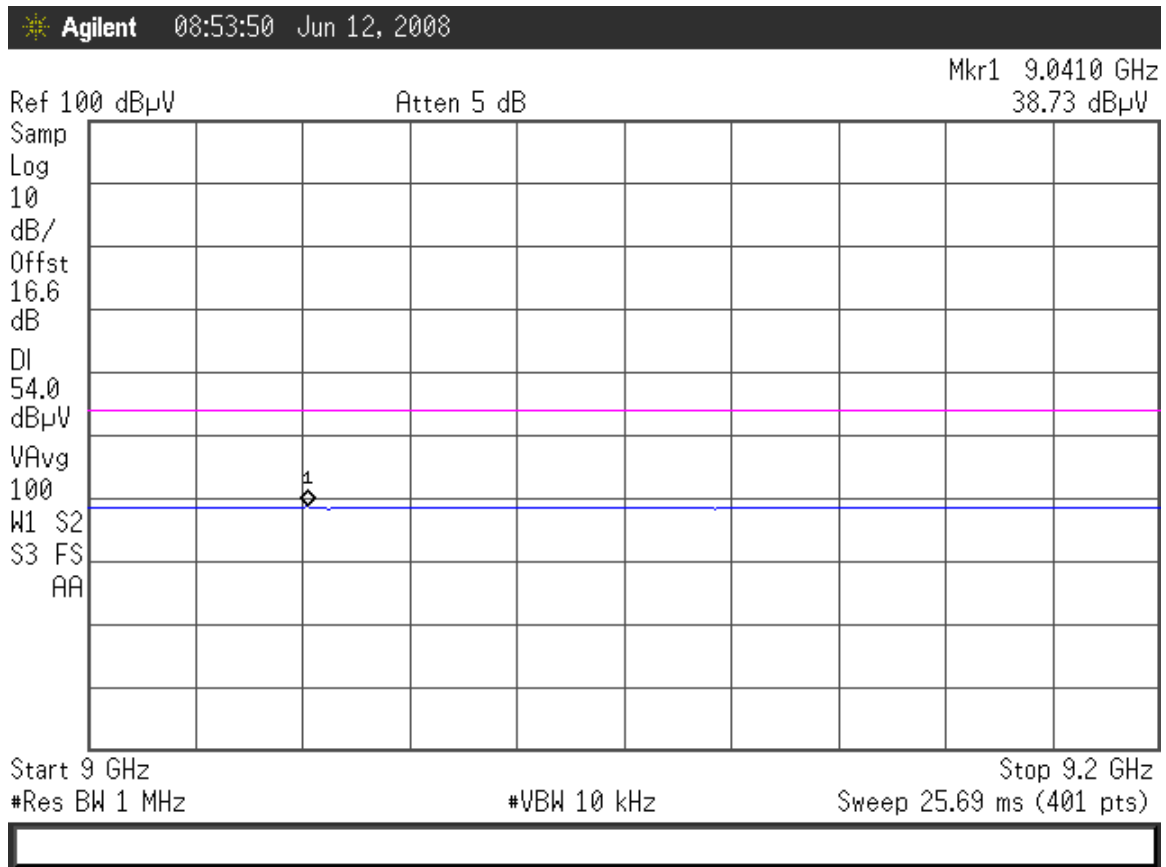
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
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Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 1	Antenna Horizontal		
Restricted Band	9GHz – 9.2GHz		


Average Measurement



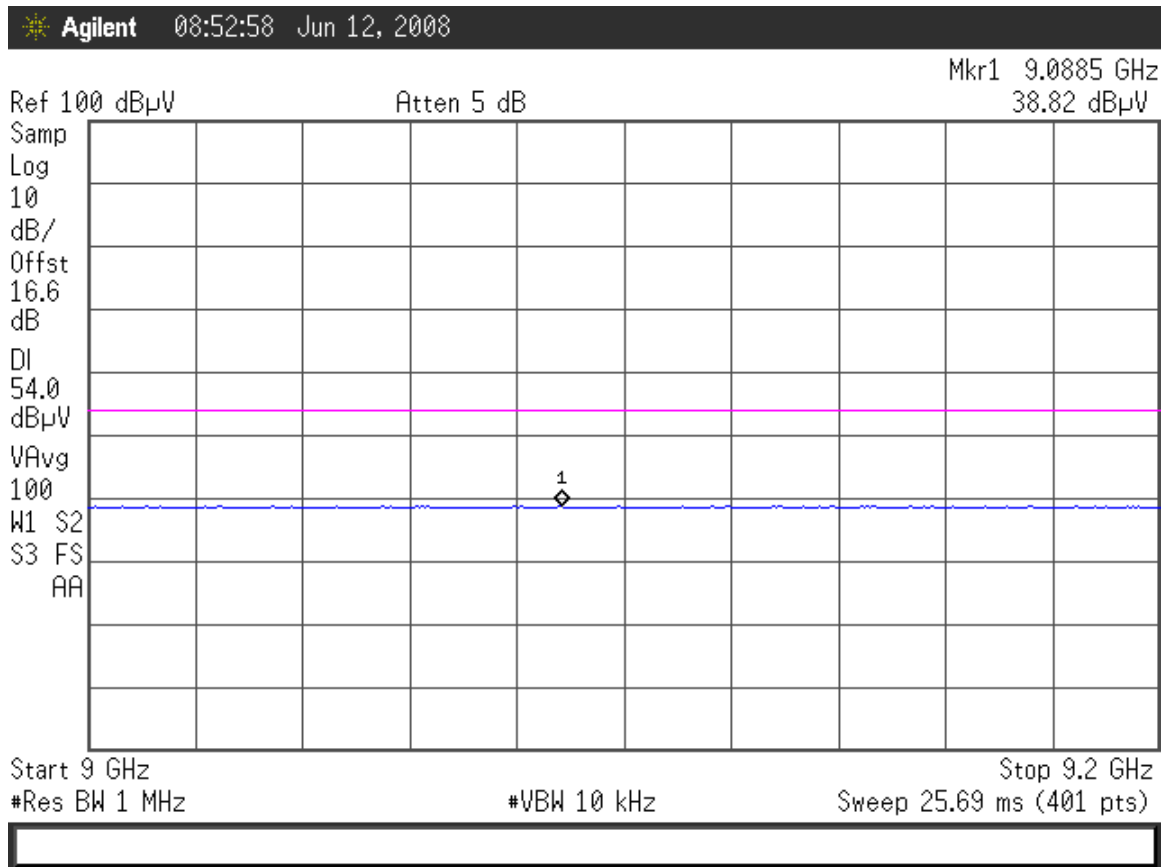
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 2	Antenna Vertical		
Restricted Band	9GHz – 9.2GHz		


Average Measurement



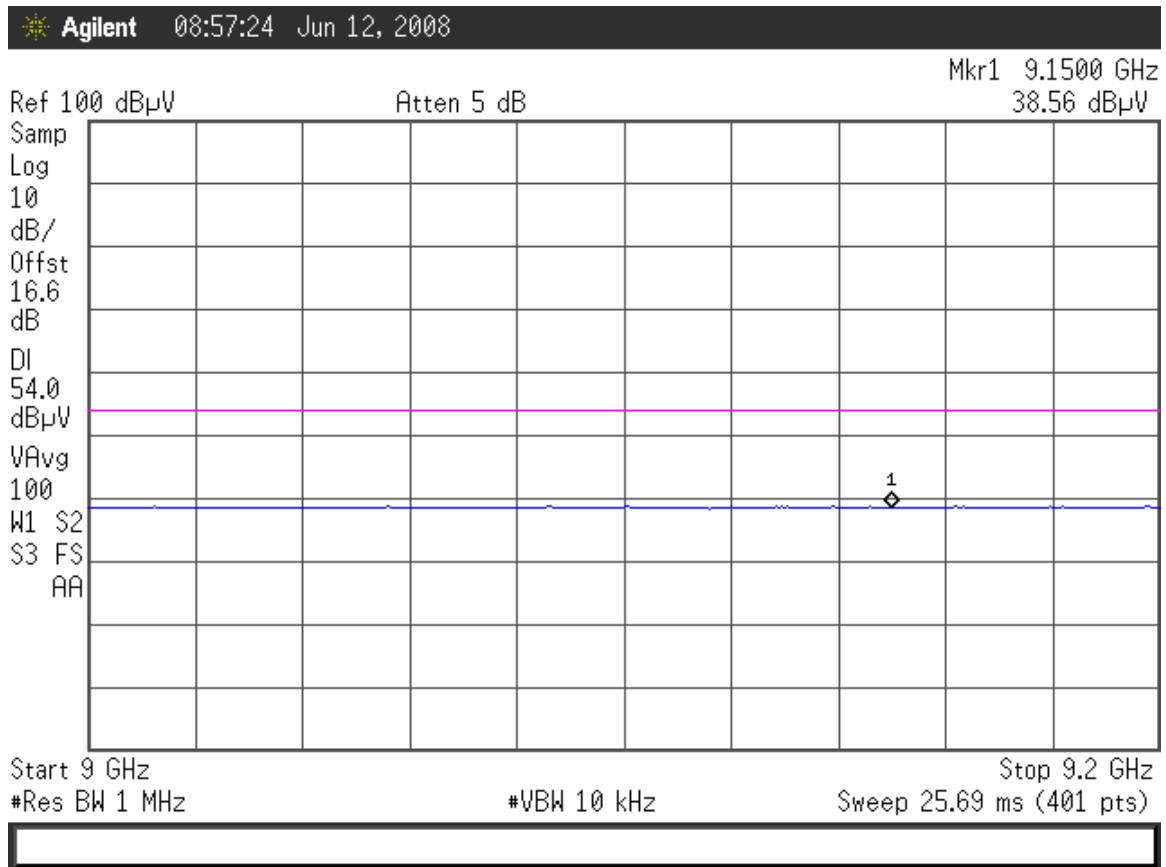
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 2	Antenna Horizontal		
Restricted Band	9GHz – 9.2GHz		


### Average Measurement



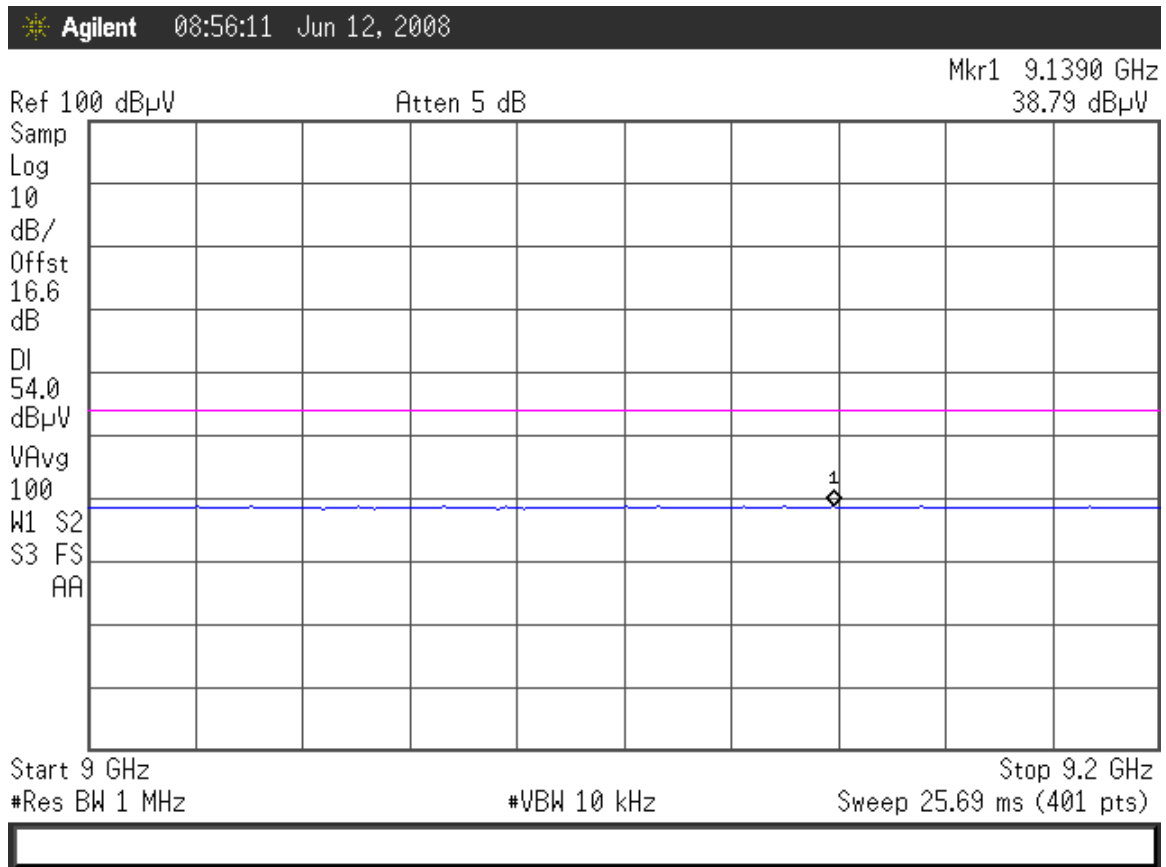
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 3	Antenna Vertical		
Restricted Band	9GHz – 9.2GHz		


Average Measurement



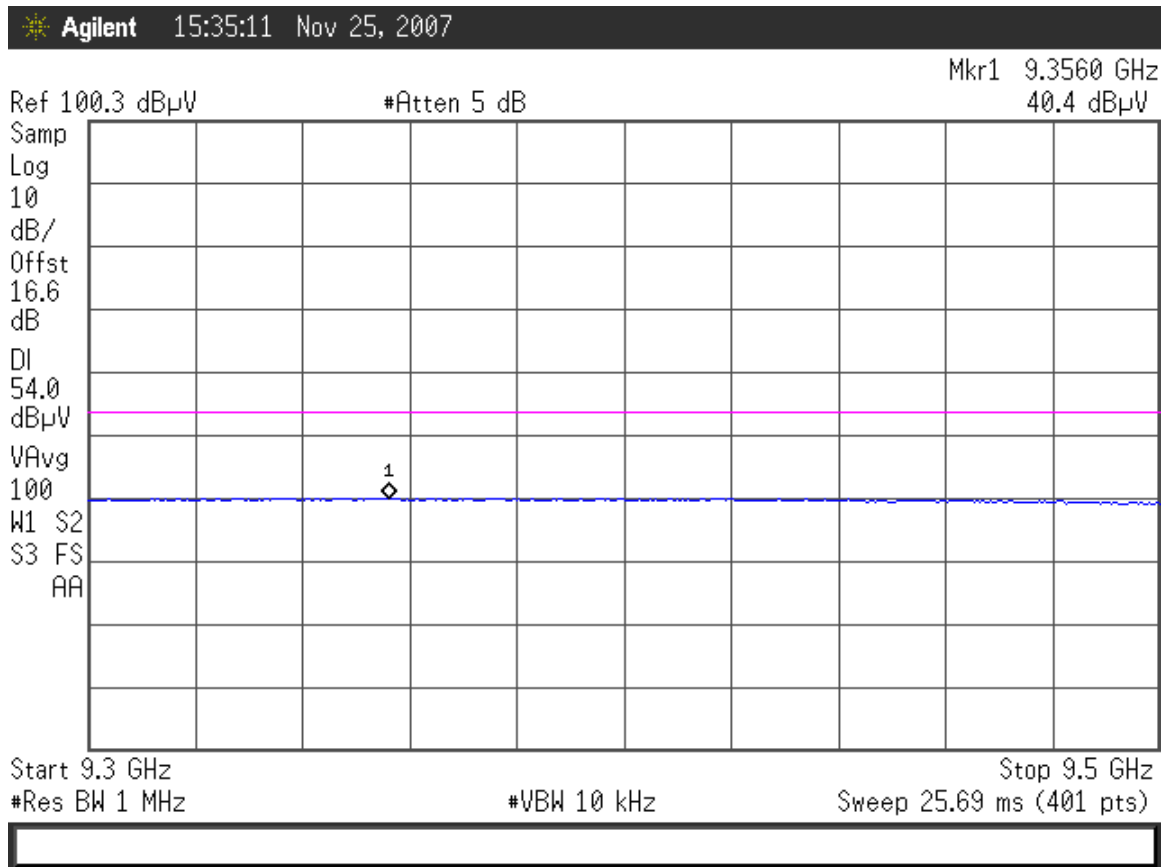
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 3	Antenna Horizontal		
Restricted Band	9GHz – 9.2GHz		


Average Measurement



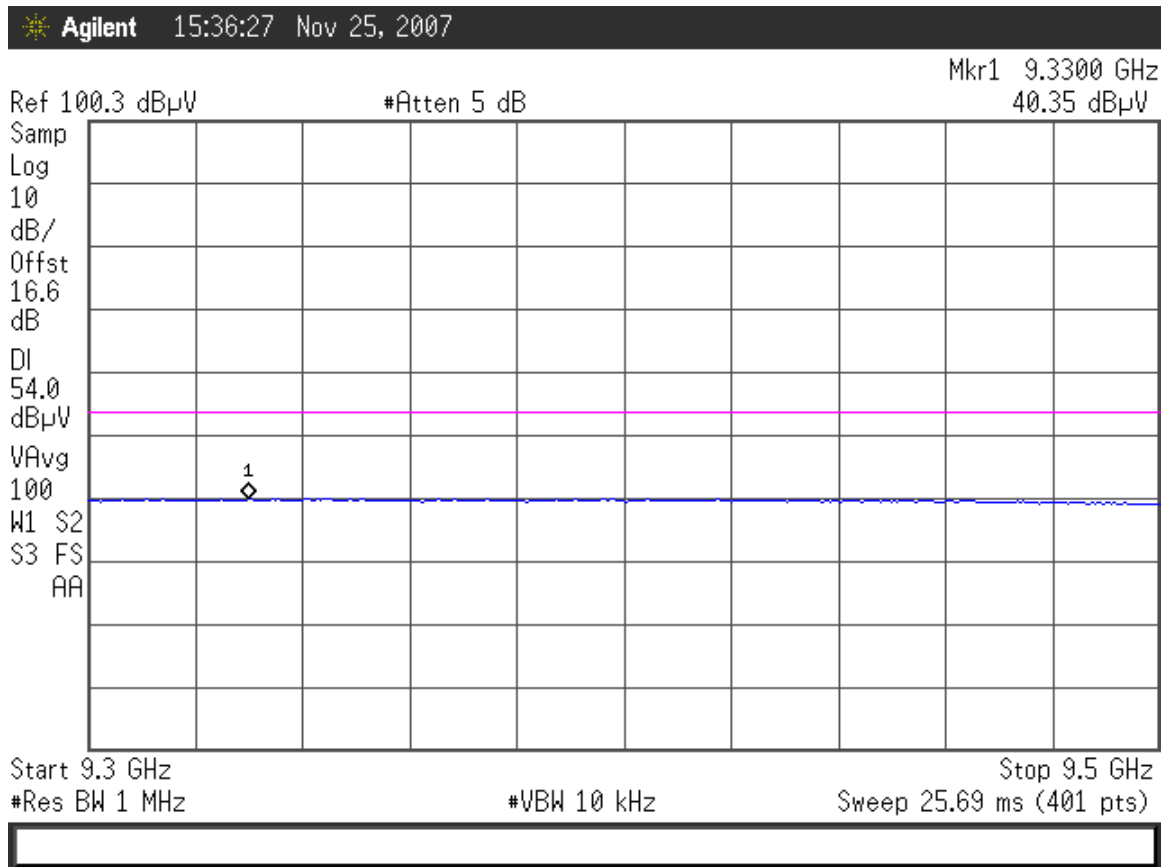
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	11-25-2007
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 1	Antenna Vertical		
Restricted Band	9.3GHz – 9.5GHz		

Average Measurement




	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	11-25-2007
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 1	Antenna Horizontal		
Restricted Band	9.3GHz – 9.5GHz		

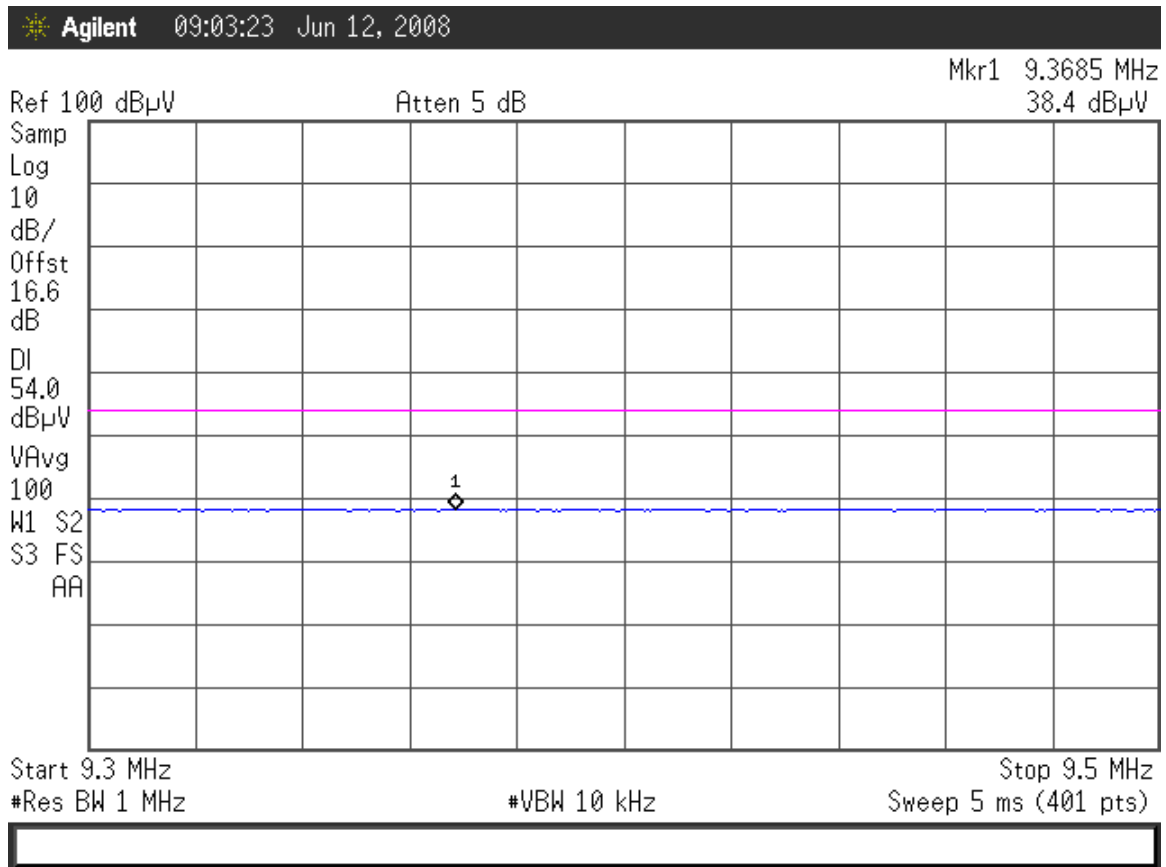
Average Measurement






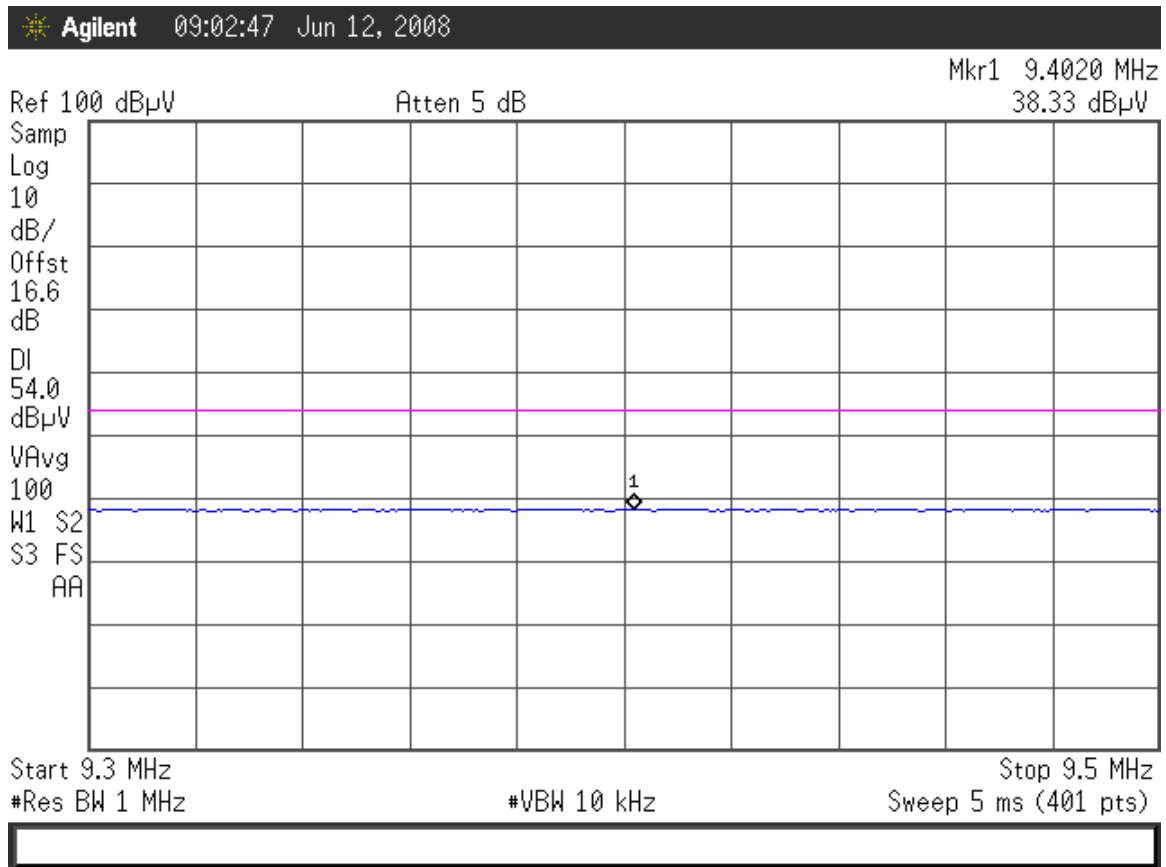
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 2	Antenna Vertical		
Restricted Band	9.3GHz – 9.5GHz		


Average Measurement



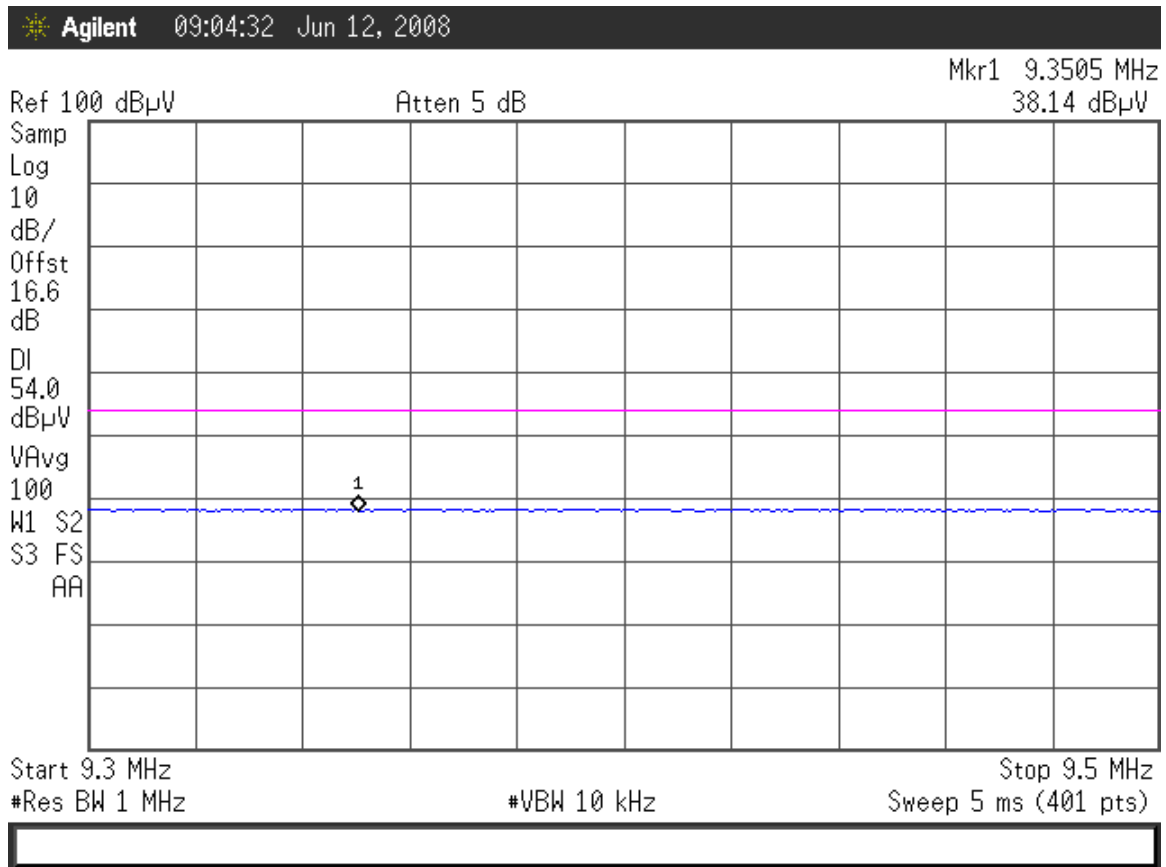
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 2	Antenna Horizontal		
Restricted Band	9.3GHz – 9.5GHz		


Average Measurement



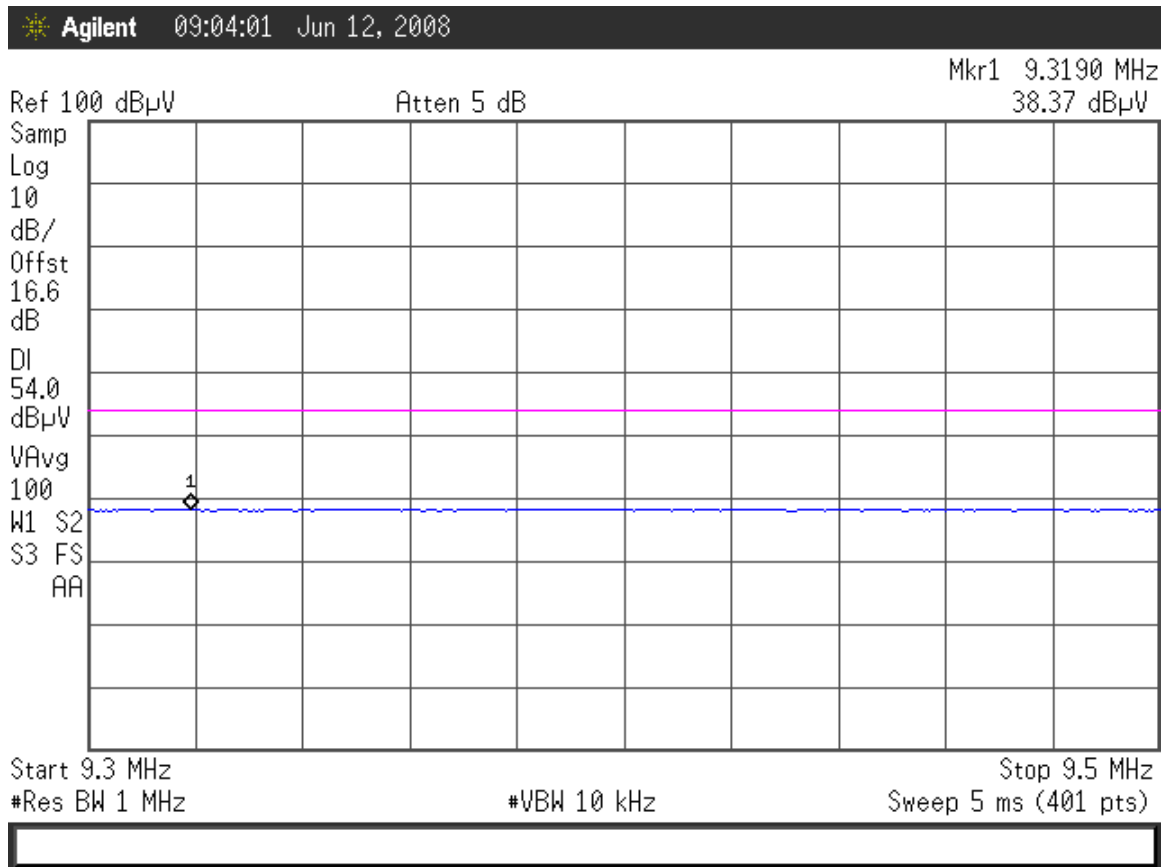
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 3	Antenna Vertical		
Restricted Band	9.3GHz – 9.5GHz		


Average Measurement



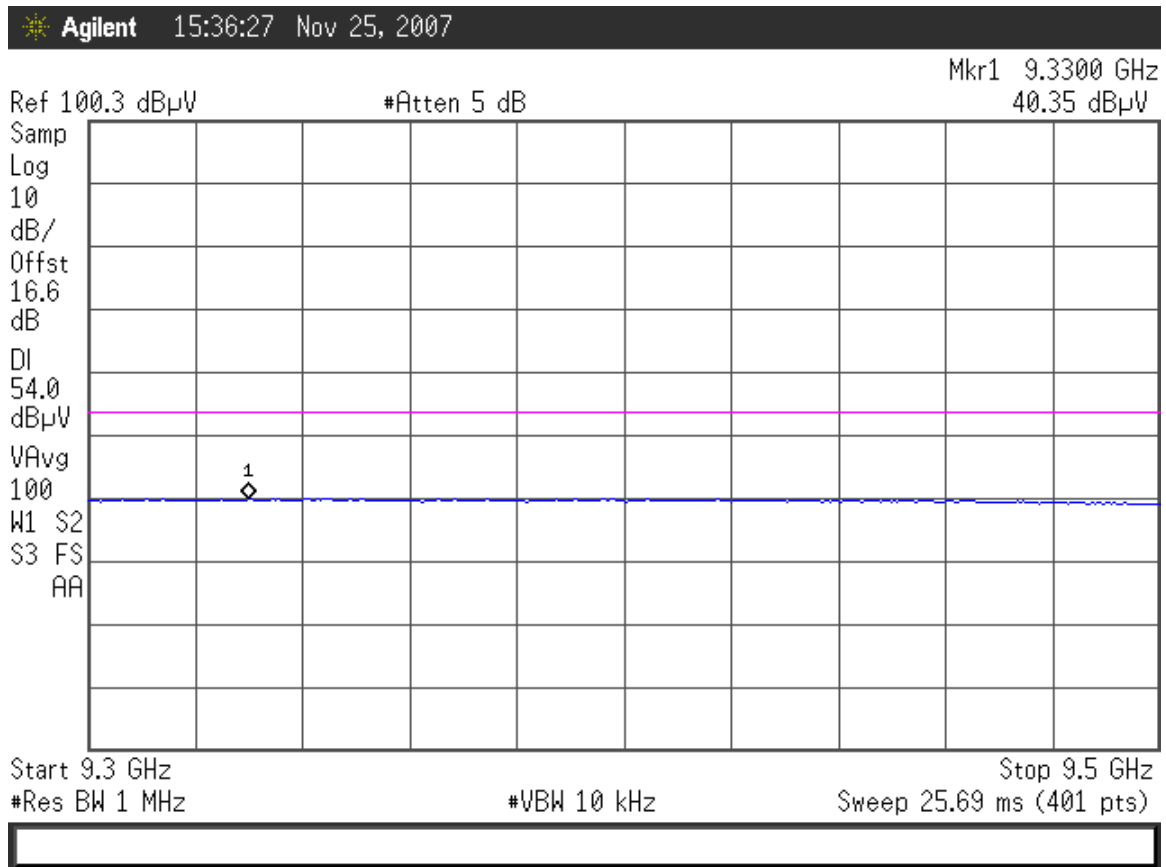
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 3	Antenna Horizontal		
Restricted Band	9.3GHz – 9.5GHz		


Average Measurement



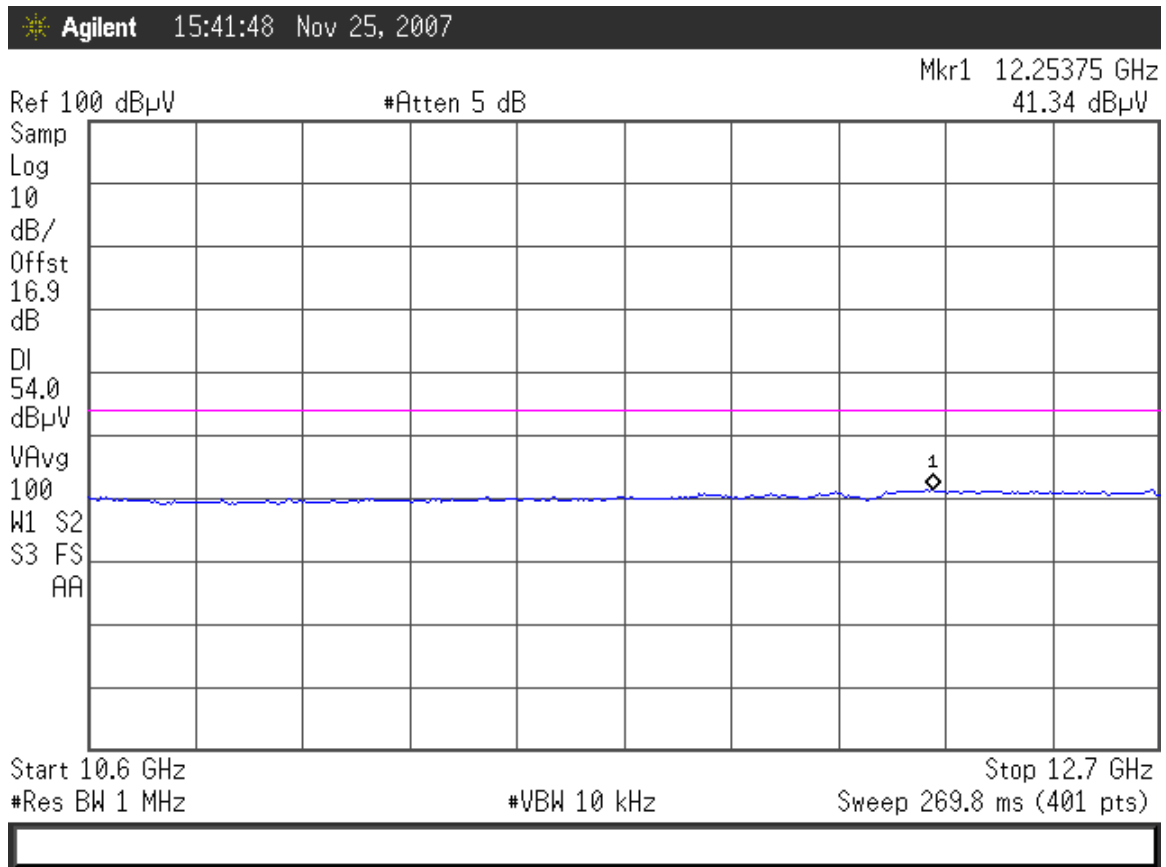
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	11-25-2007
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 1	Antenna Vertical		
Restricted Band	10.6GHz – 12.7GHz		


Average Measurement



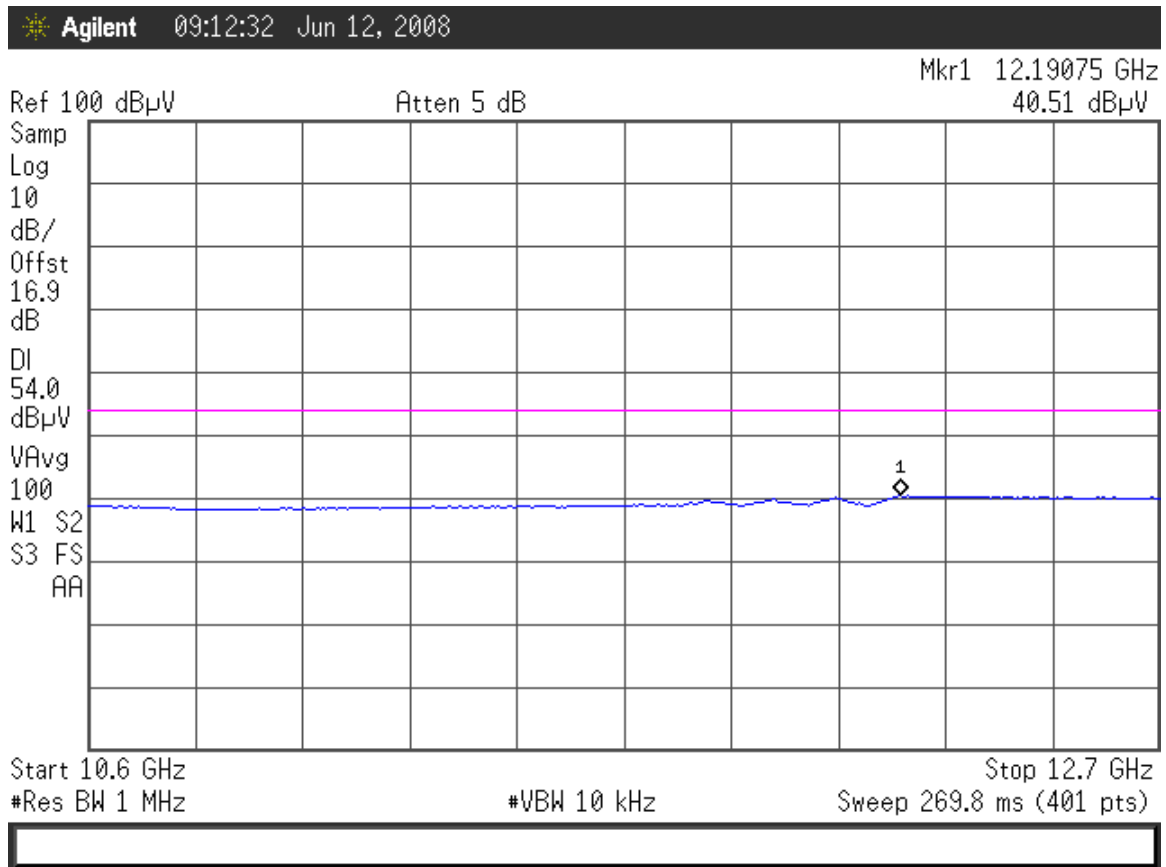
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	11-25-2007
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 1	Antenna Horizontal		
Restricted Band	10.6GHz – 12.7GHz		


Average Measurement



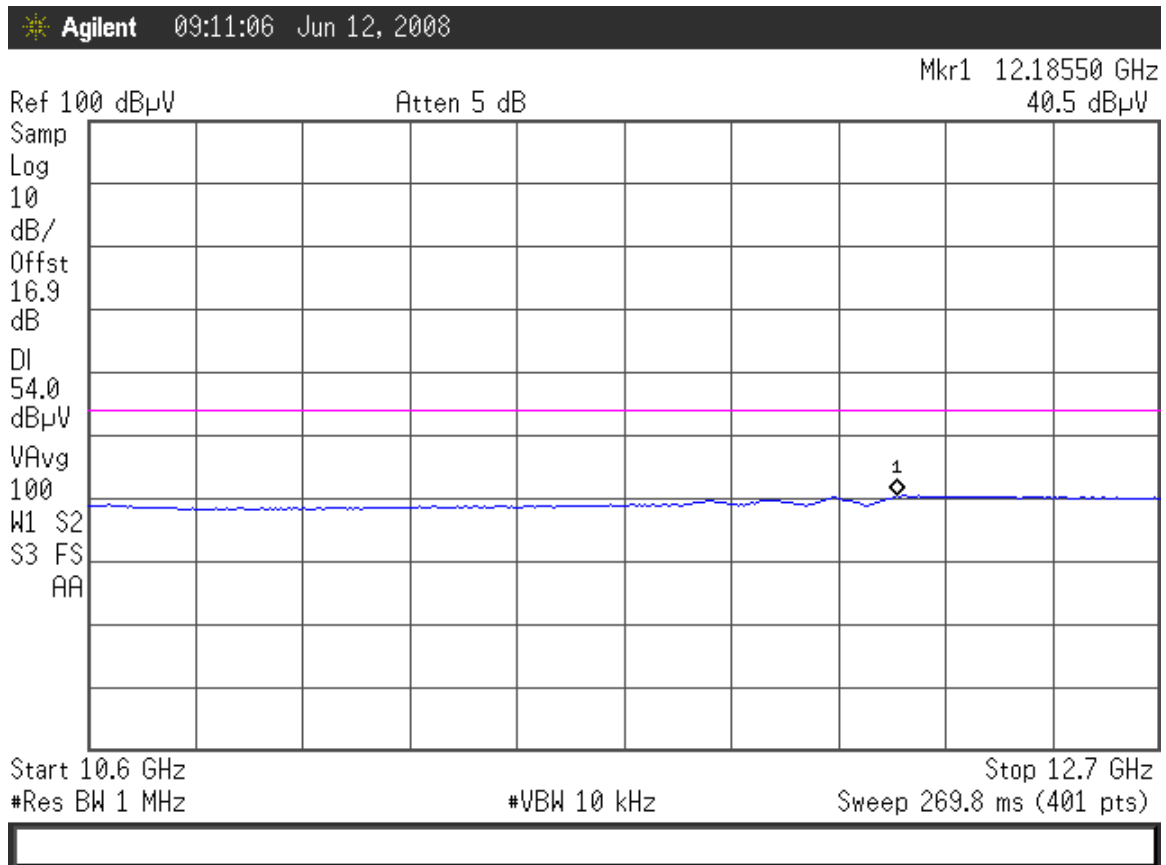
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 2	Antenna Vertical		
Restricted Band	10.6GHz – 12.7GHz		

Average Measurement




	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 2	Antenna Horizontal		
Restricted Band	10.6GHz – 12.7GHz		

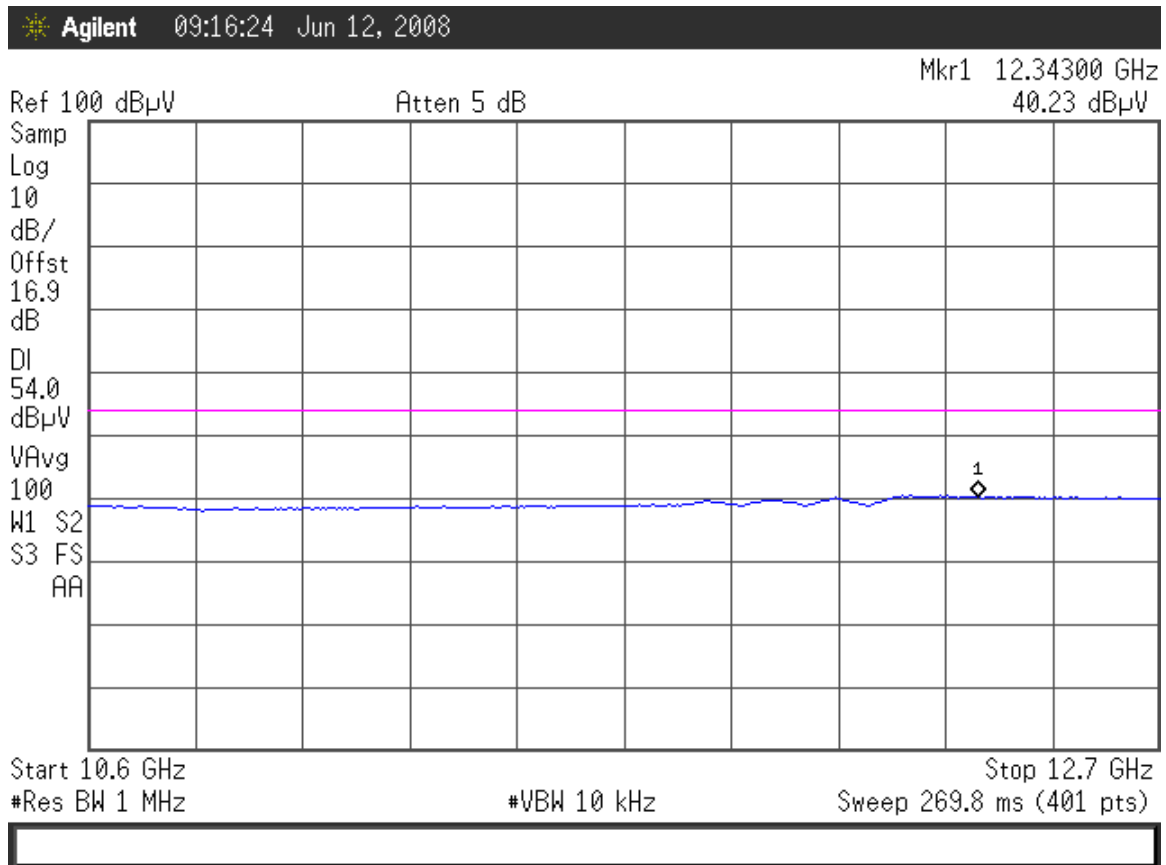
### Average Measurement






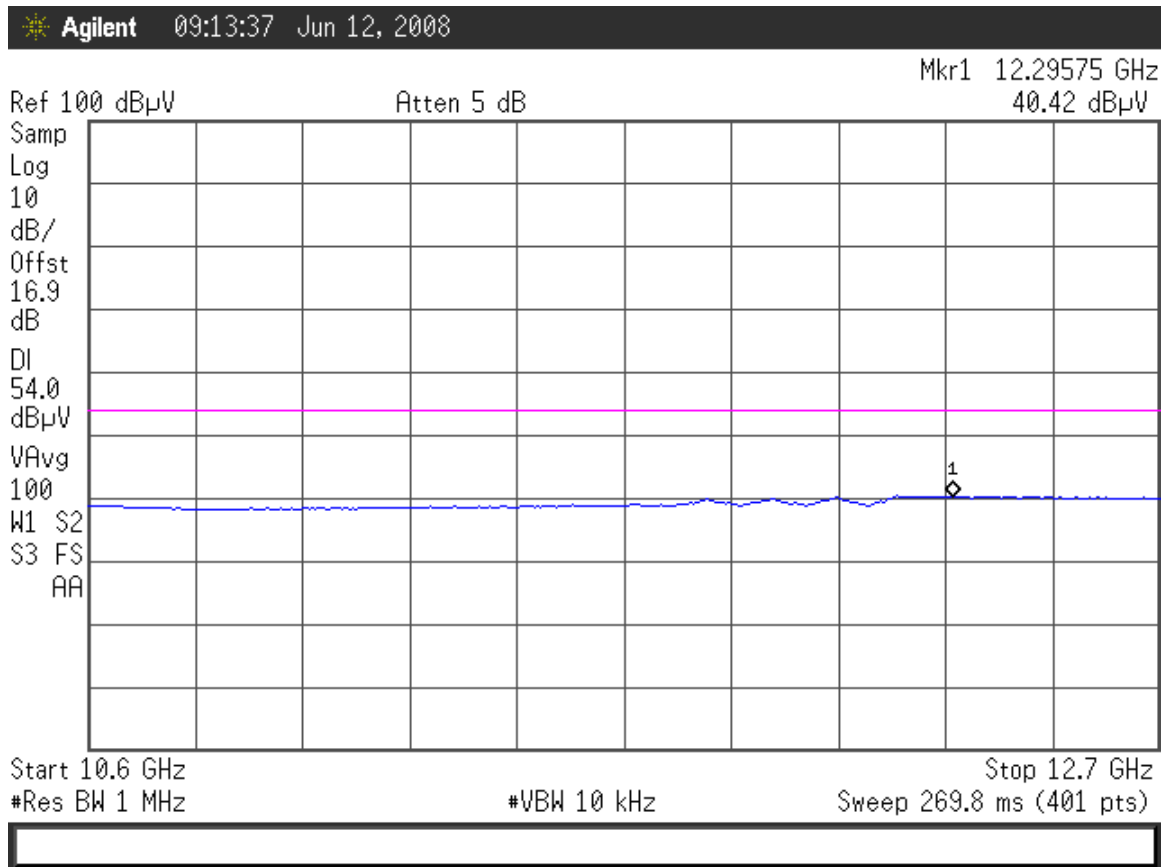
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 3	Antenna Vertical		
Restricted Band	10.6GHz – 12.7GHz		


### Average Measurement



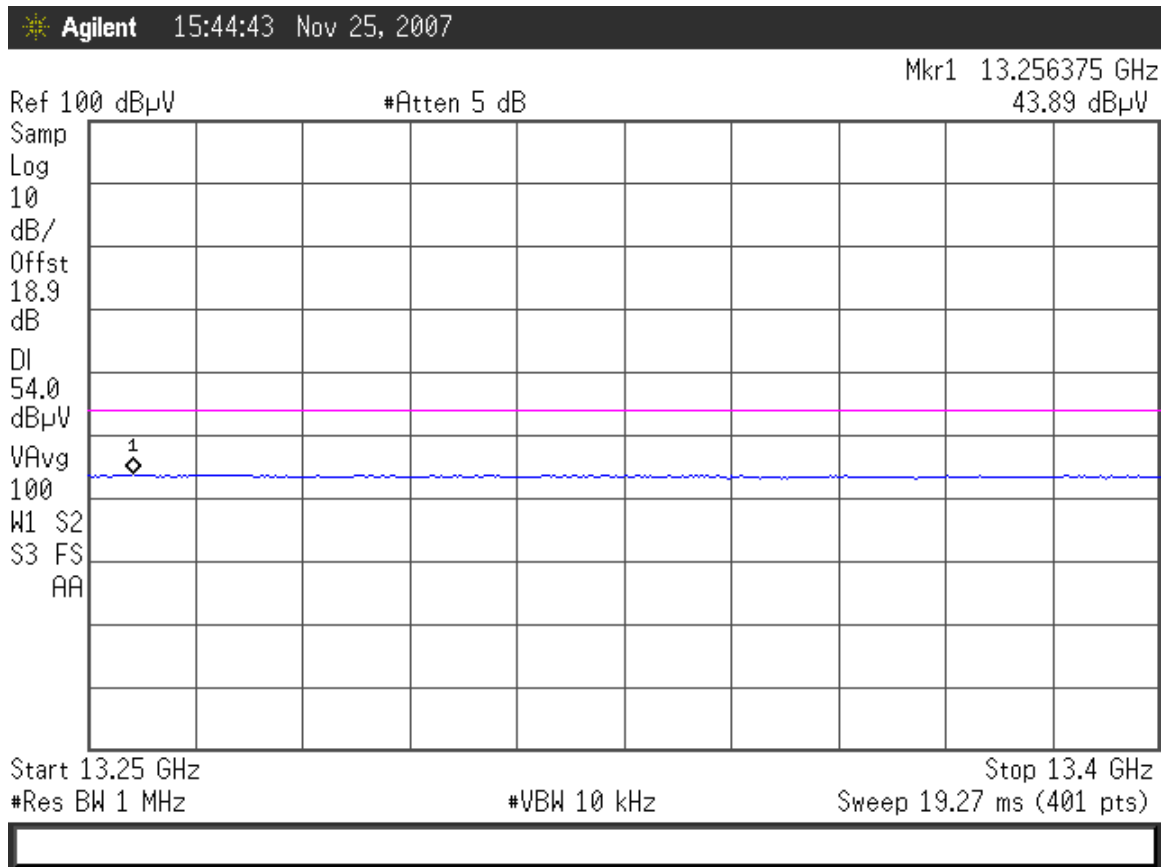
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 3	Antenna Horizontal		
Restricted Band	10.6GHz – 12.7GHz		


Average Measurement



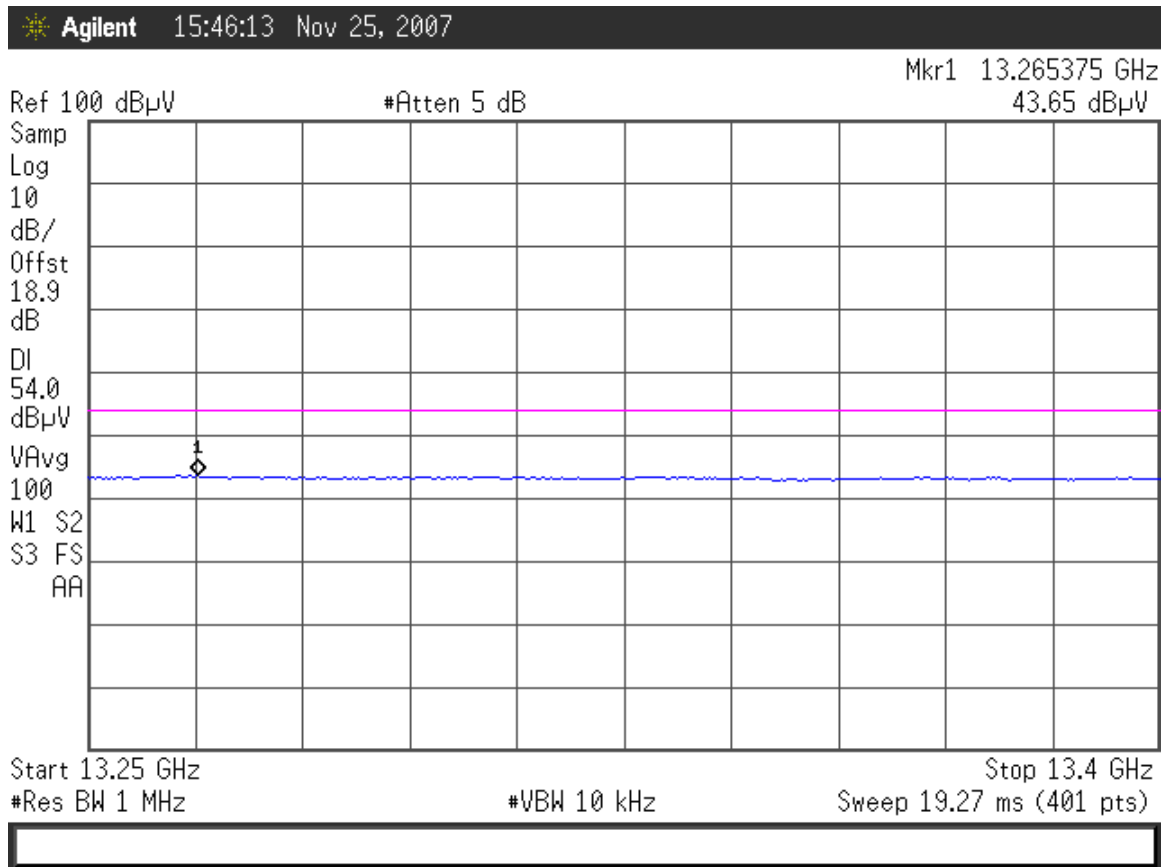
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	11-25-2007
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 1	Antenna Vertical		
Restricted Band	13.25GHz – 13.4GHz		


### Average Measurement



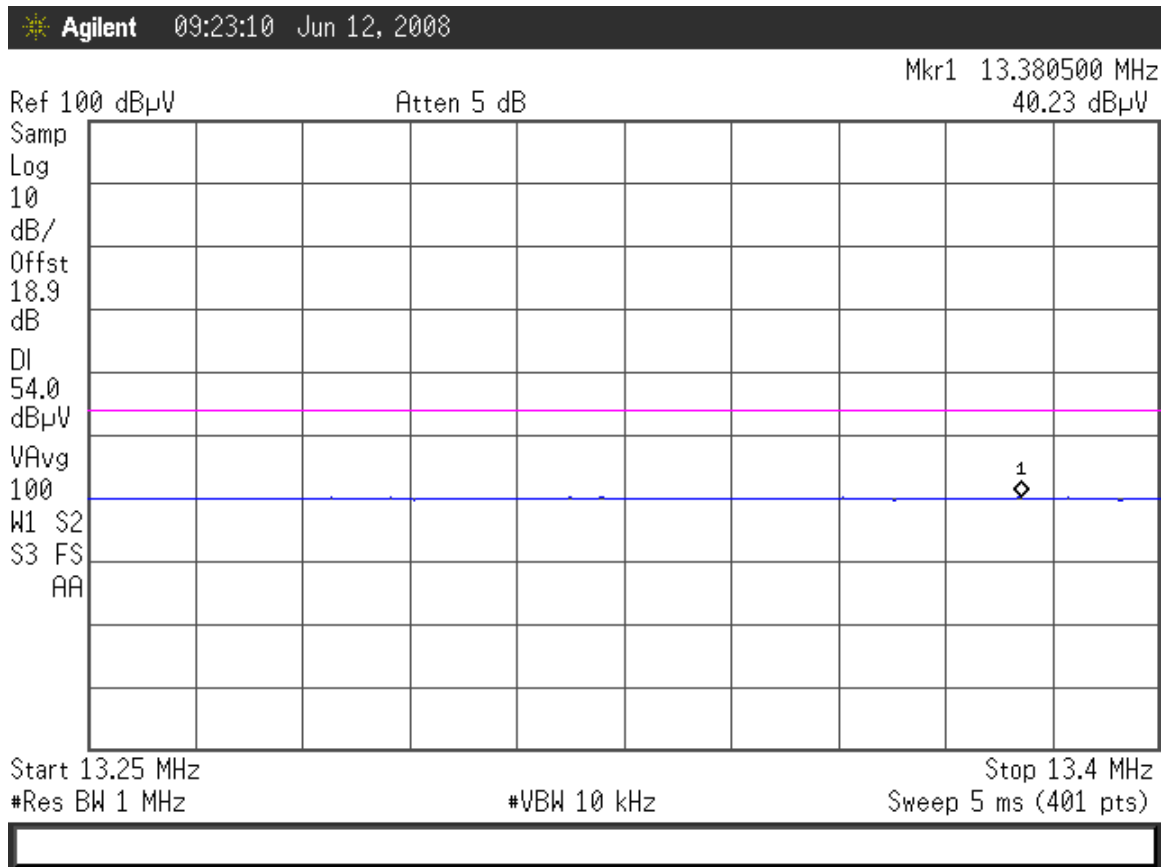
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	11-25-2007
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 1	Antenna Horizontal		
Restricted Band	13.25GHz – 13.4GHz		


### Average Measurement



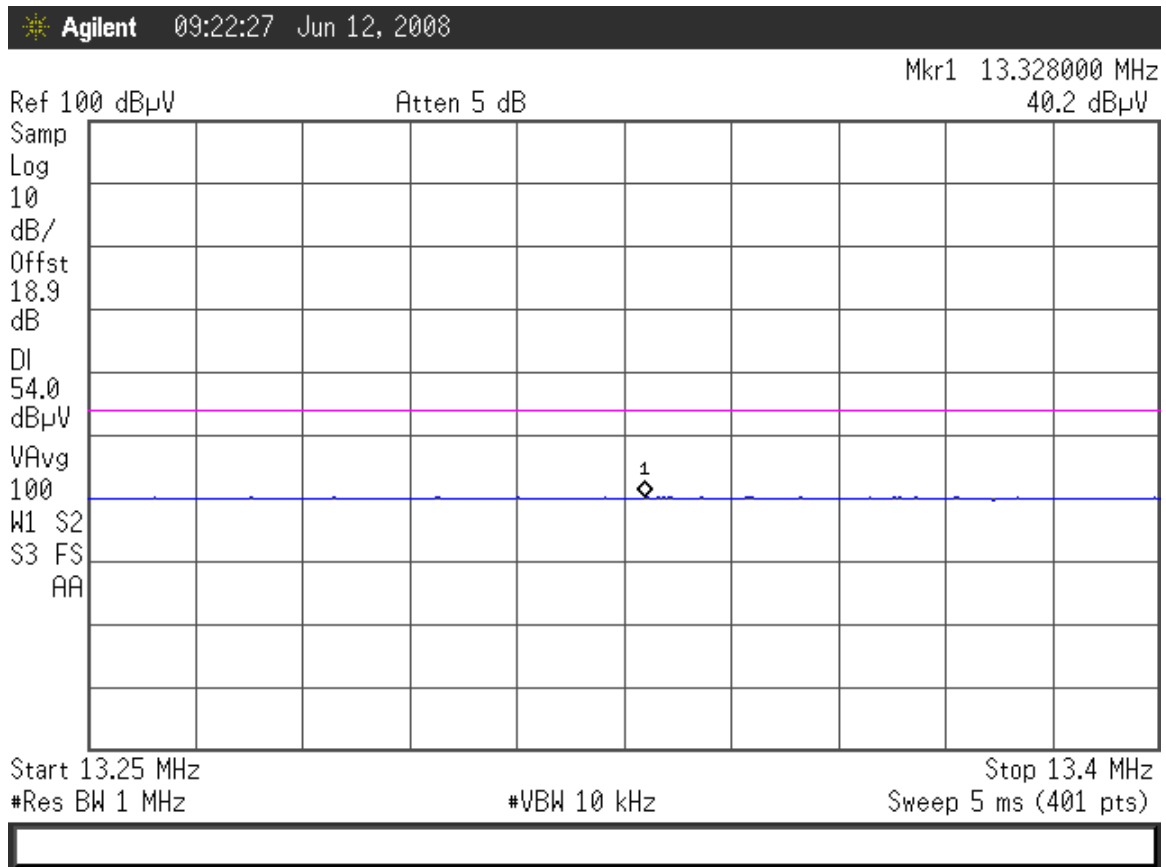
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 2	Antenna Vertical		
Restricted Band	13.25GHz – 13.4GHz		


Average Measurement



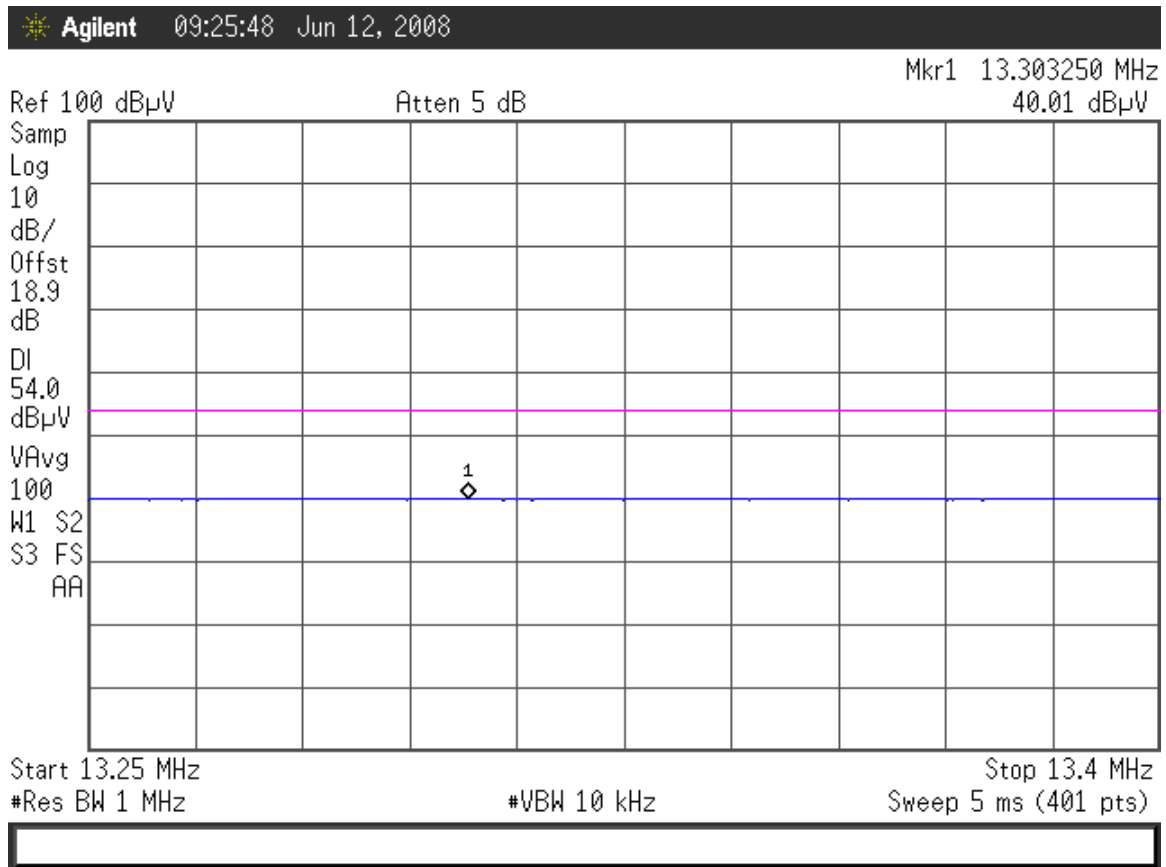
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 2	Antenna Horizontal		
Restricted Band	13.25GHz – 13.4GHz		


Average Measurement



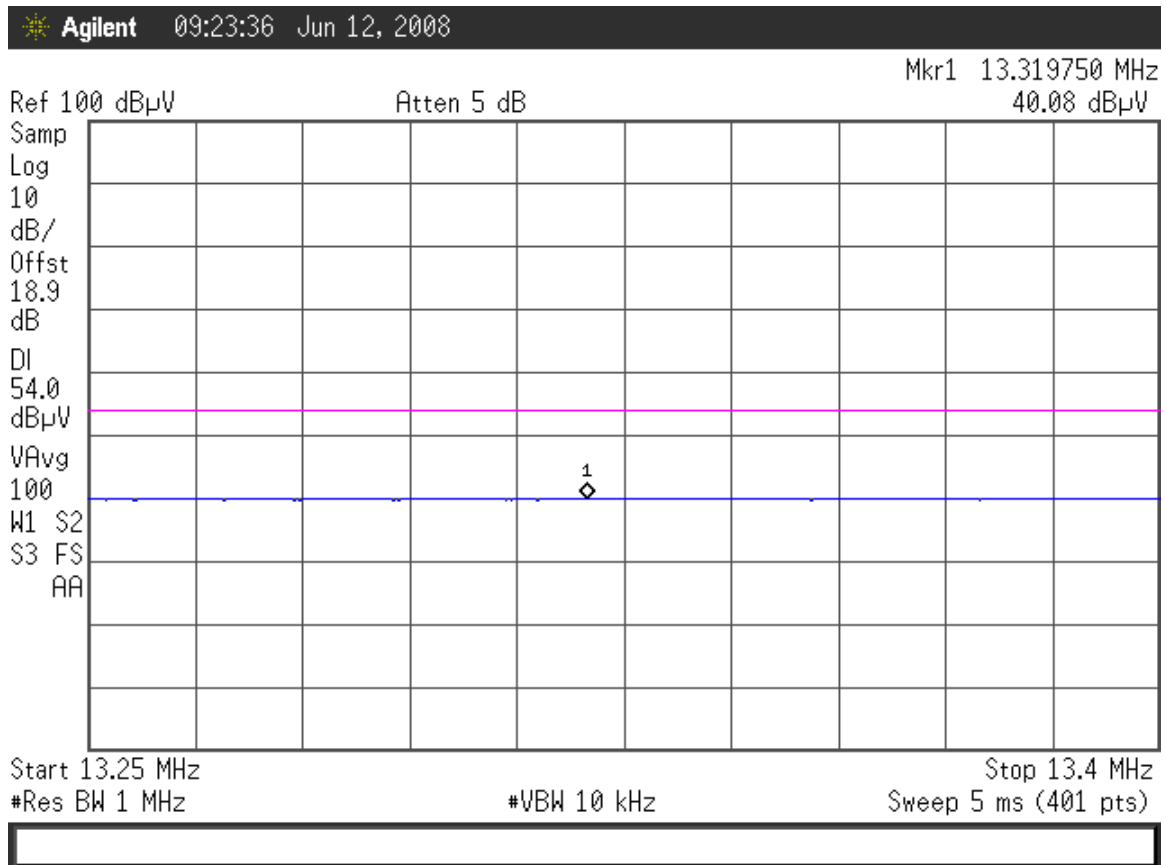
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 3	Antenna Vertical		
Restricted Band	13.25GHz – 13.4GHz		

Average Measurement




	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 3	Antenna Horizontal		
Restricted Band	13.25GHz – 13.4GHz		

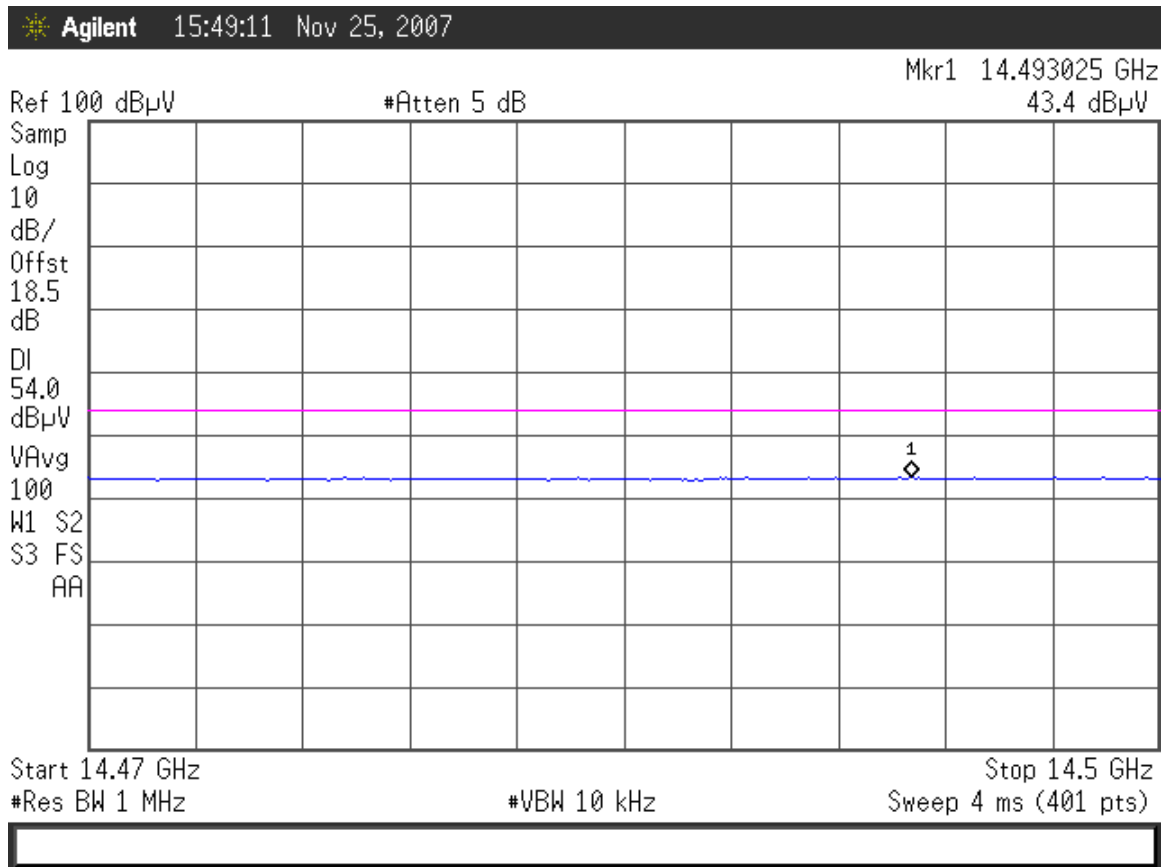
### Average Measurement






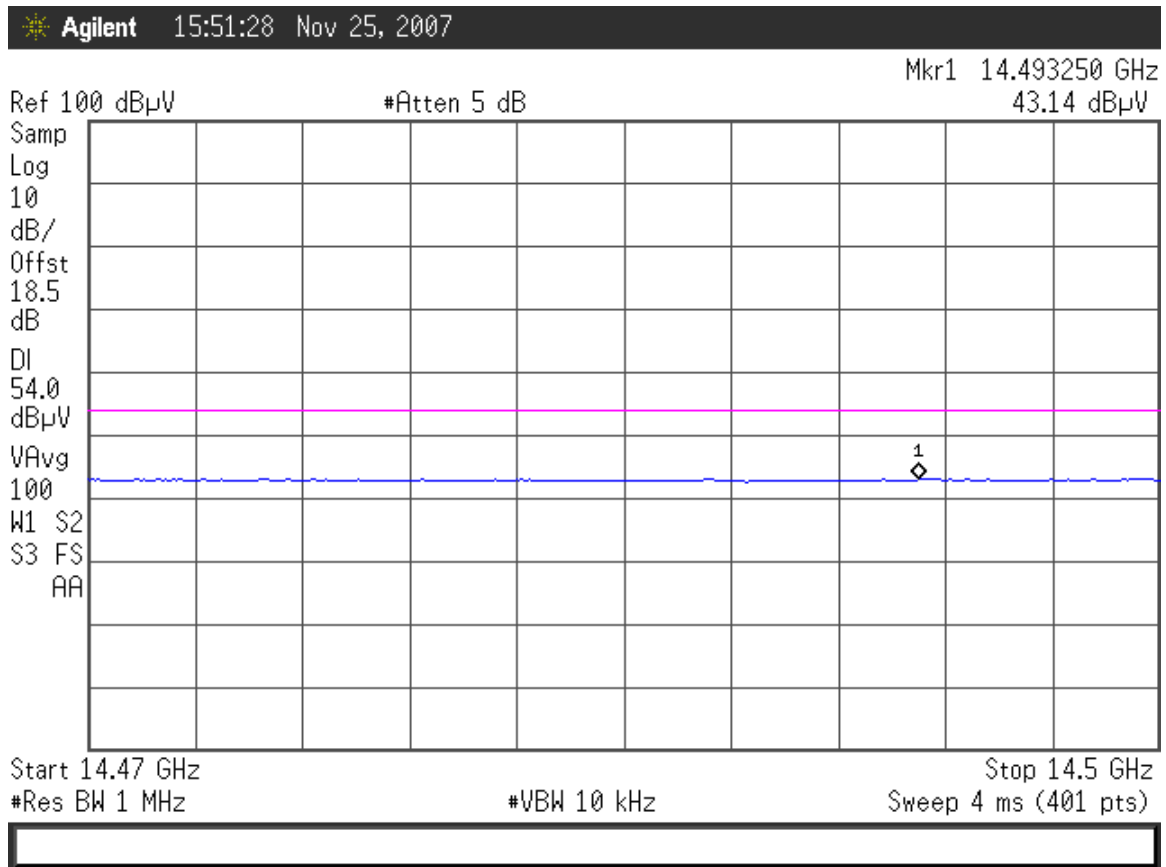
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	11-25-2007
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 1	Antenna Vertical		
Restricted Band	14.47GHz – 14.5GHz		


Average Measurement



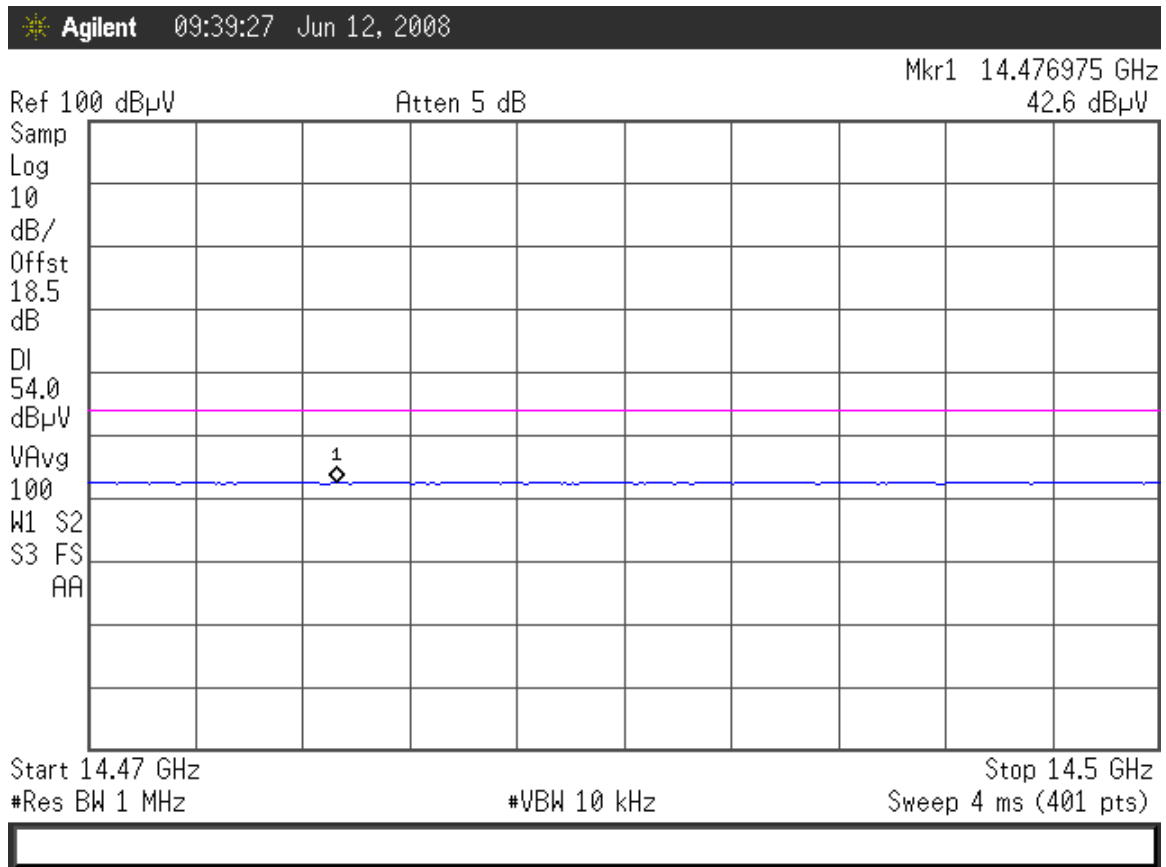
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	11-25-2007
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 1	Antenna Horizontal		
Restricted Band	14.47GHz – 14.5GHz		


Average Measurement



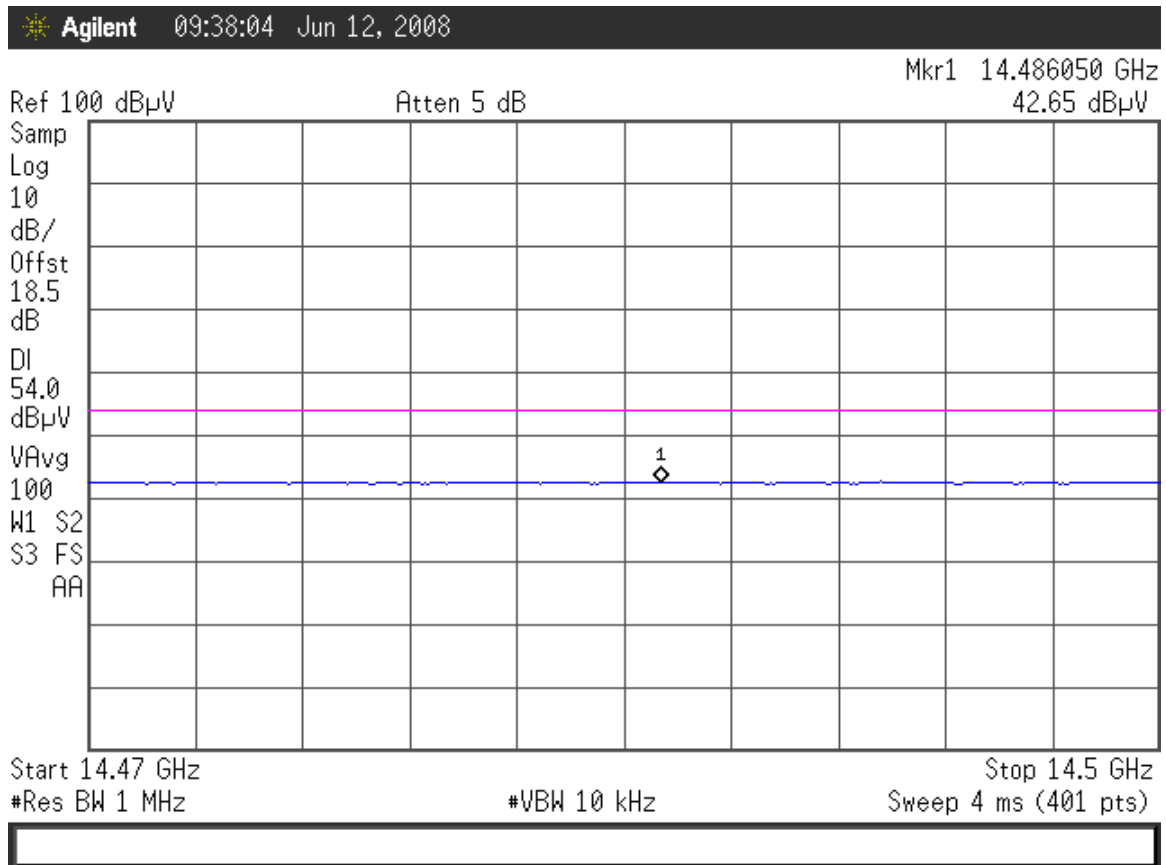
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 2	Antenna Vertical		
Restricted Band	14.47GHz – 14.5GHz		


Average Measurement



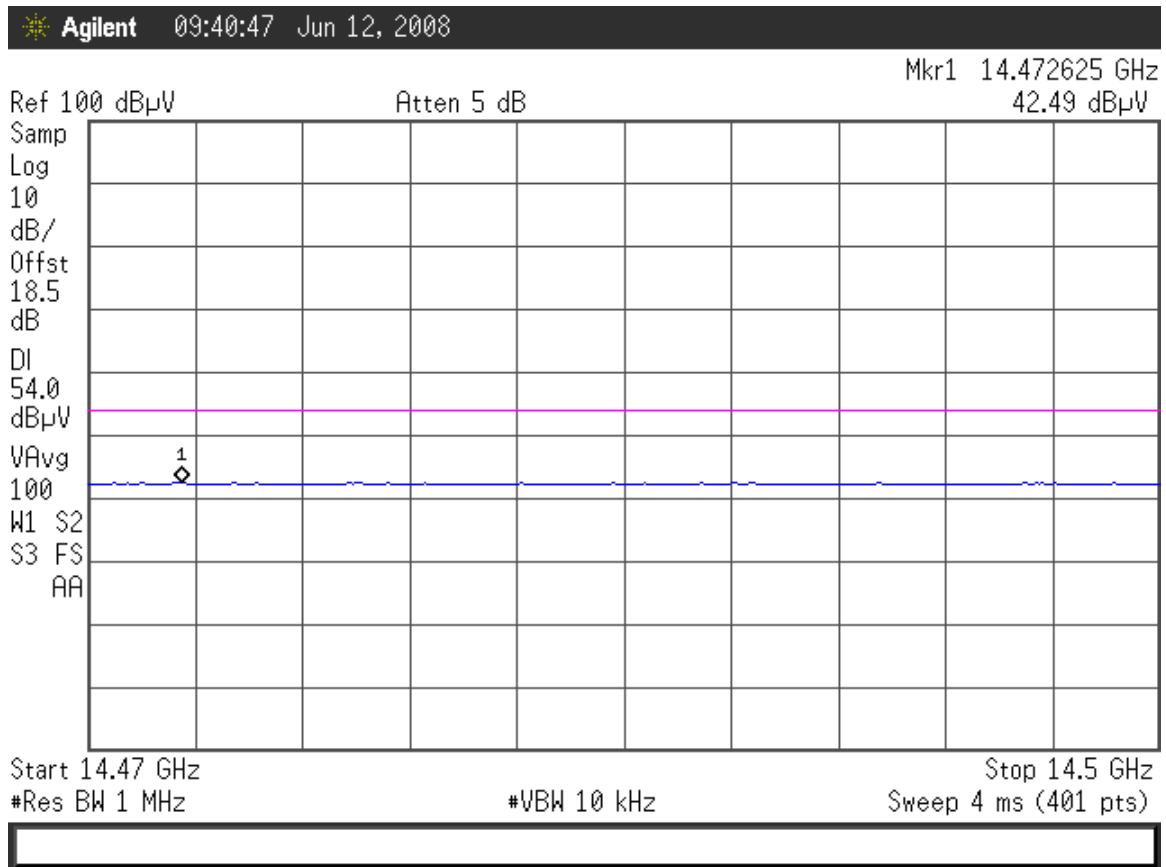
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 2	Antenna Horizontal		
Restricted Band	14.47GHz – 14.5GHz		


### Average Measurement



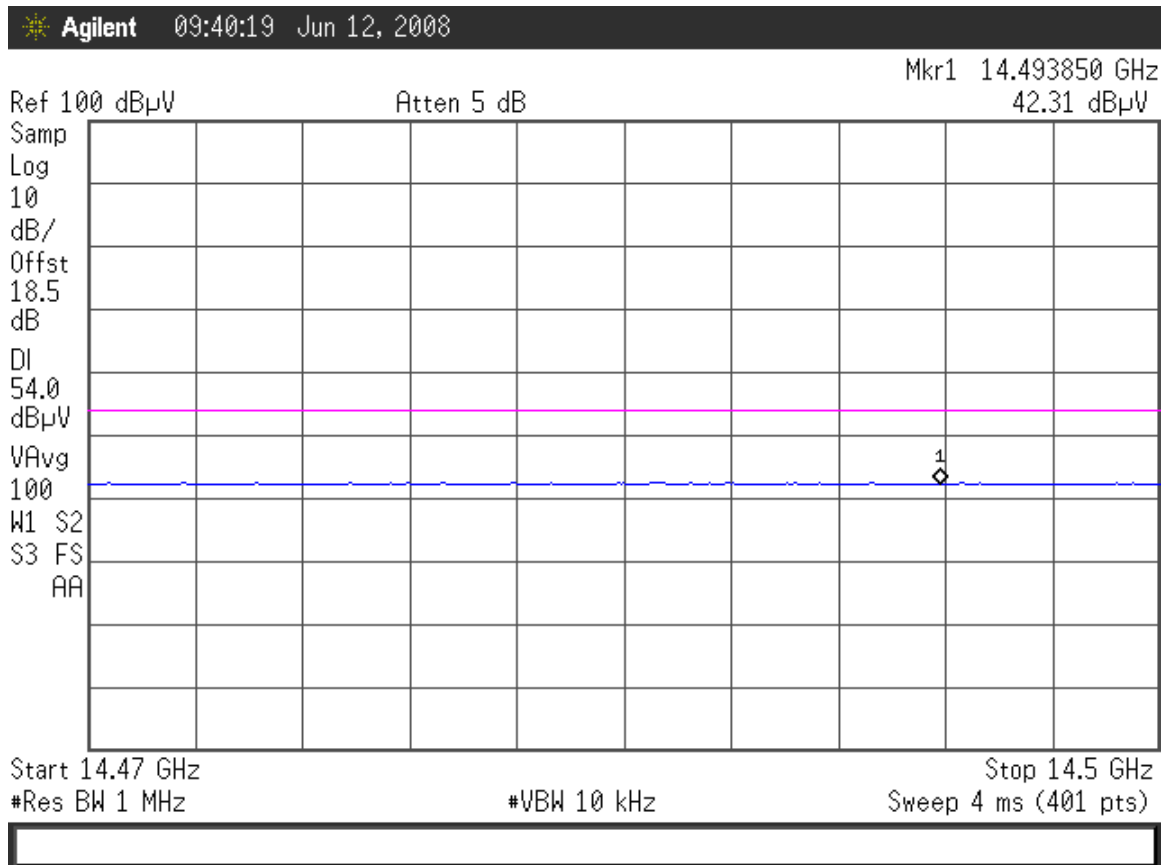
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DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 3	Antenna Vertical		
Restricted Band	14.47GHz – 14.5GHz		


Average Measurement



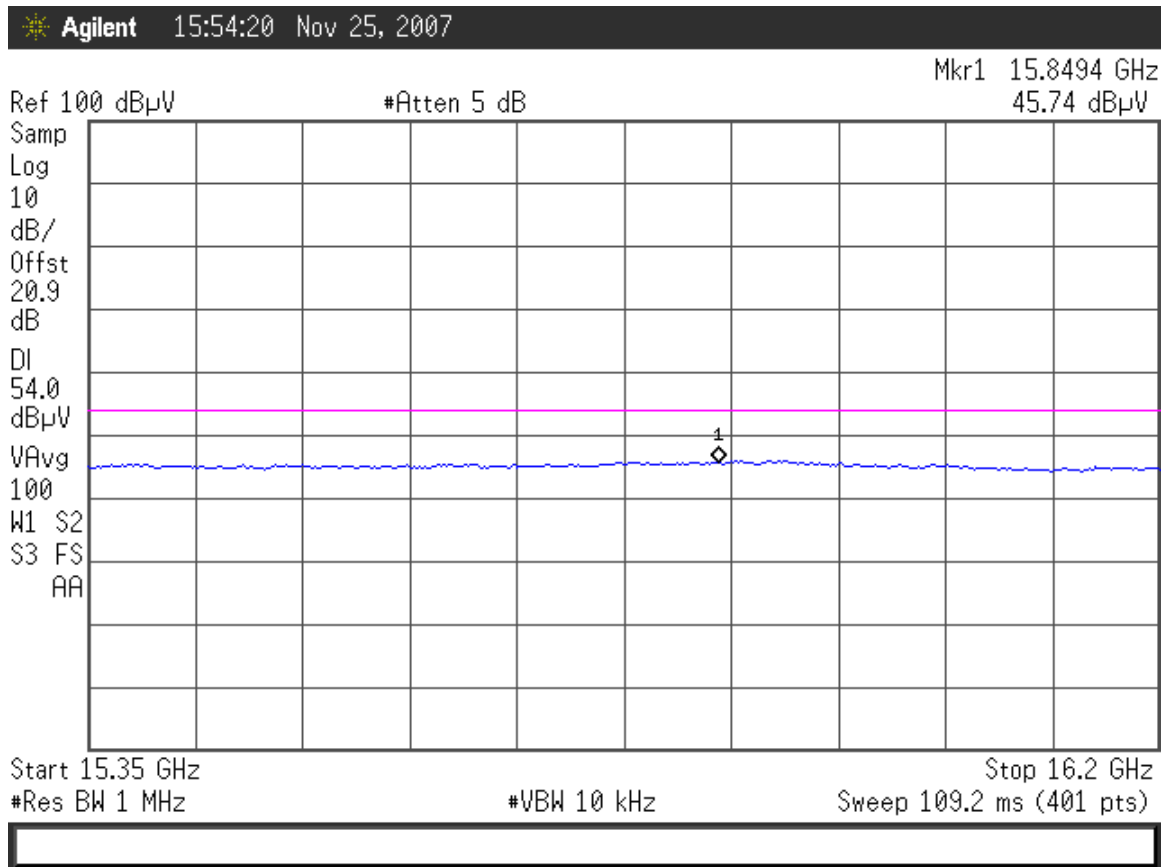
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 3	Antenna Horizontal		
Restricted Band	14.47GHz – 14.5GHz		


Average Measurement



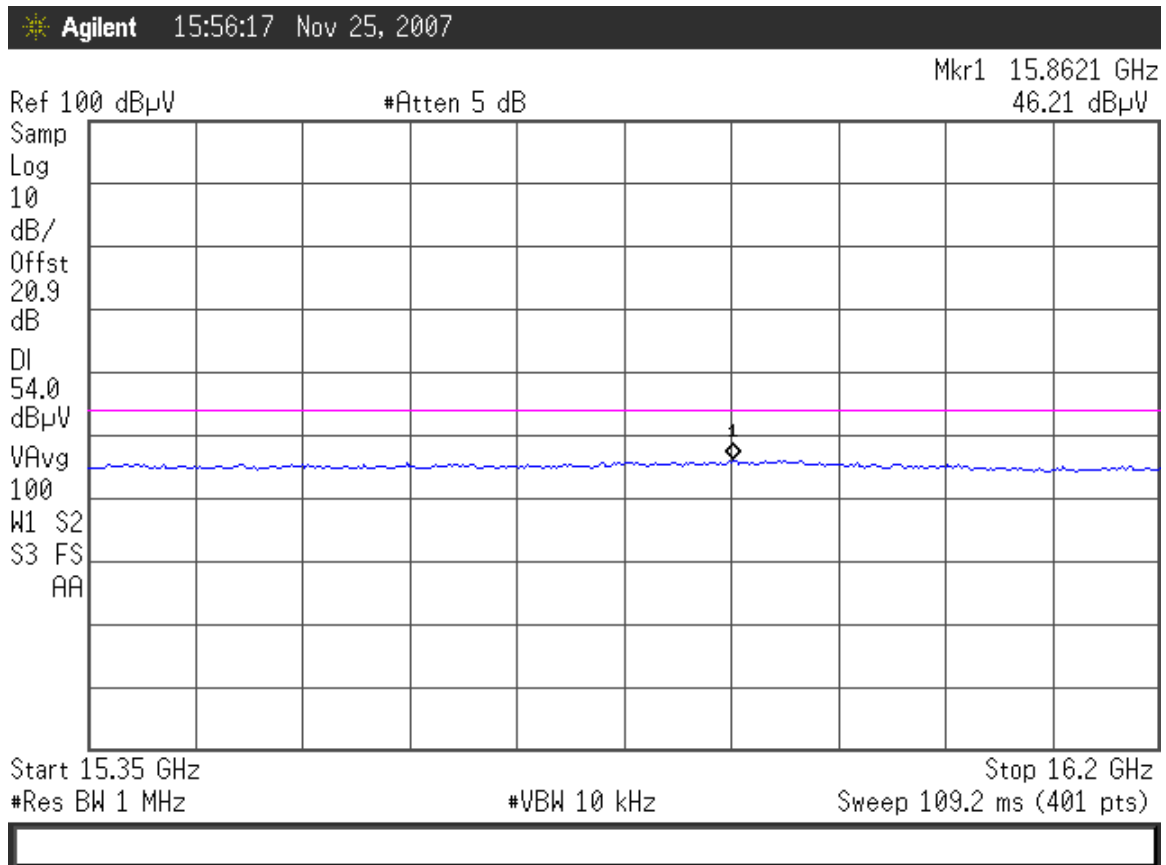
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	11-25-2007
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 1	Antenna Vertical		
Restricted Band	15.35GHz – 16.2GHz		

Average Measurement




	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	11-25-2007
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 1	Antenna Horizontal		
Restricted Band	15.35GHz – 16.2GHz		

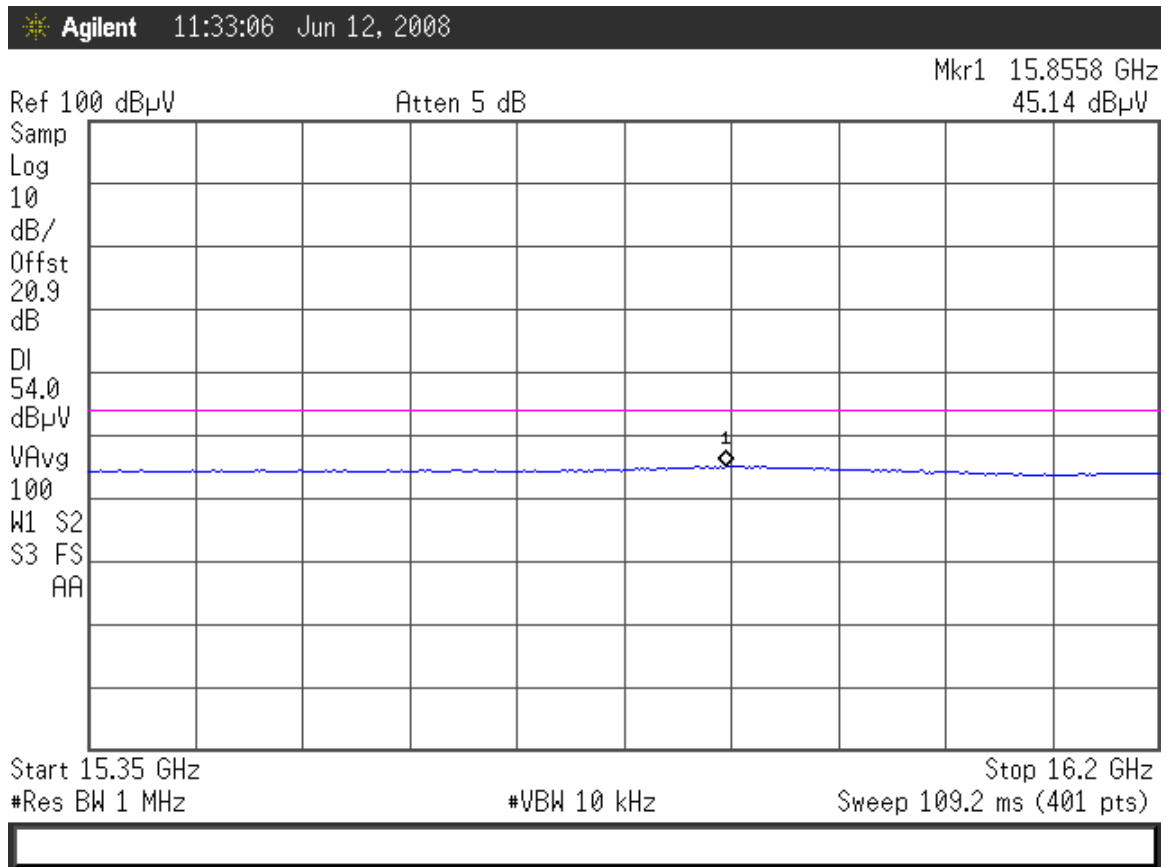
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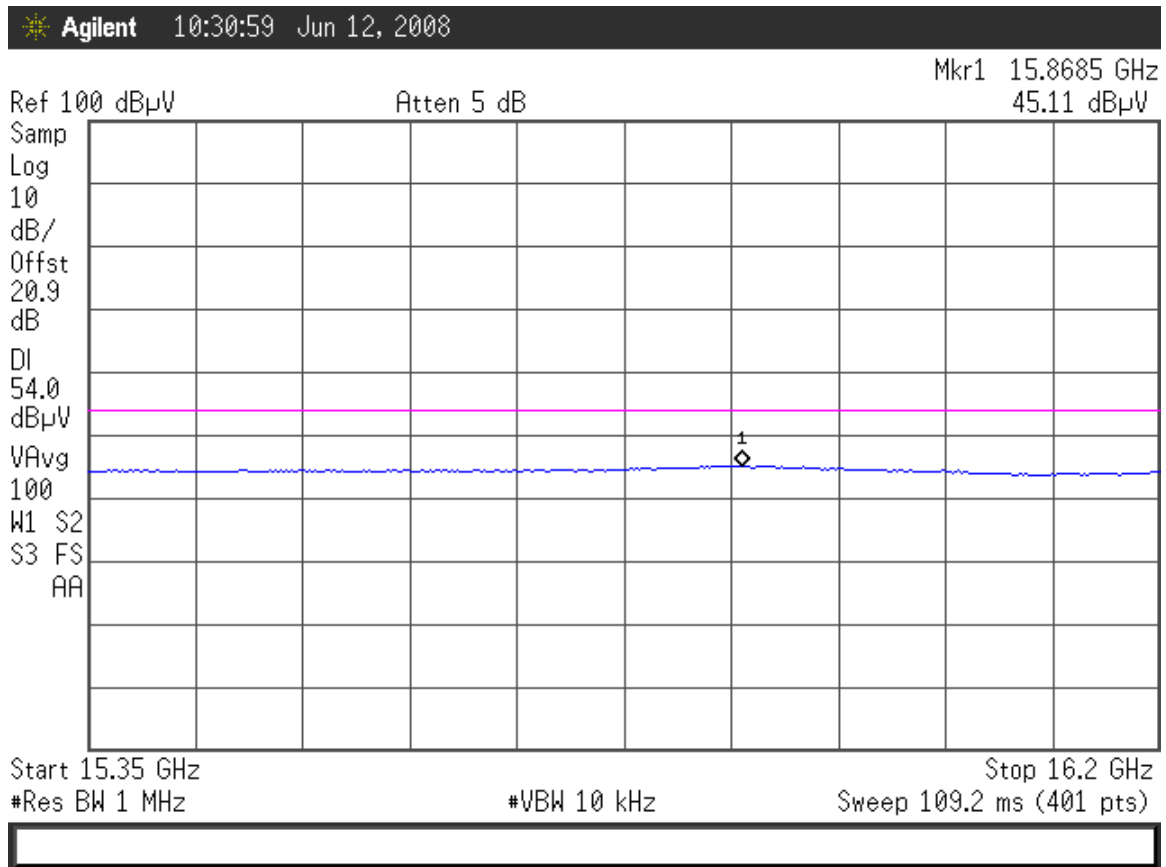
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 2	Antenna Vertical		
Restricted Band	15.35GHz – 16.2GHz		


### Average Measurement



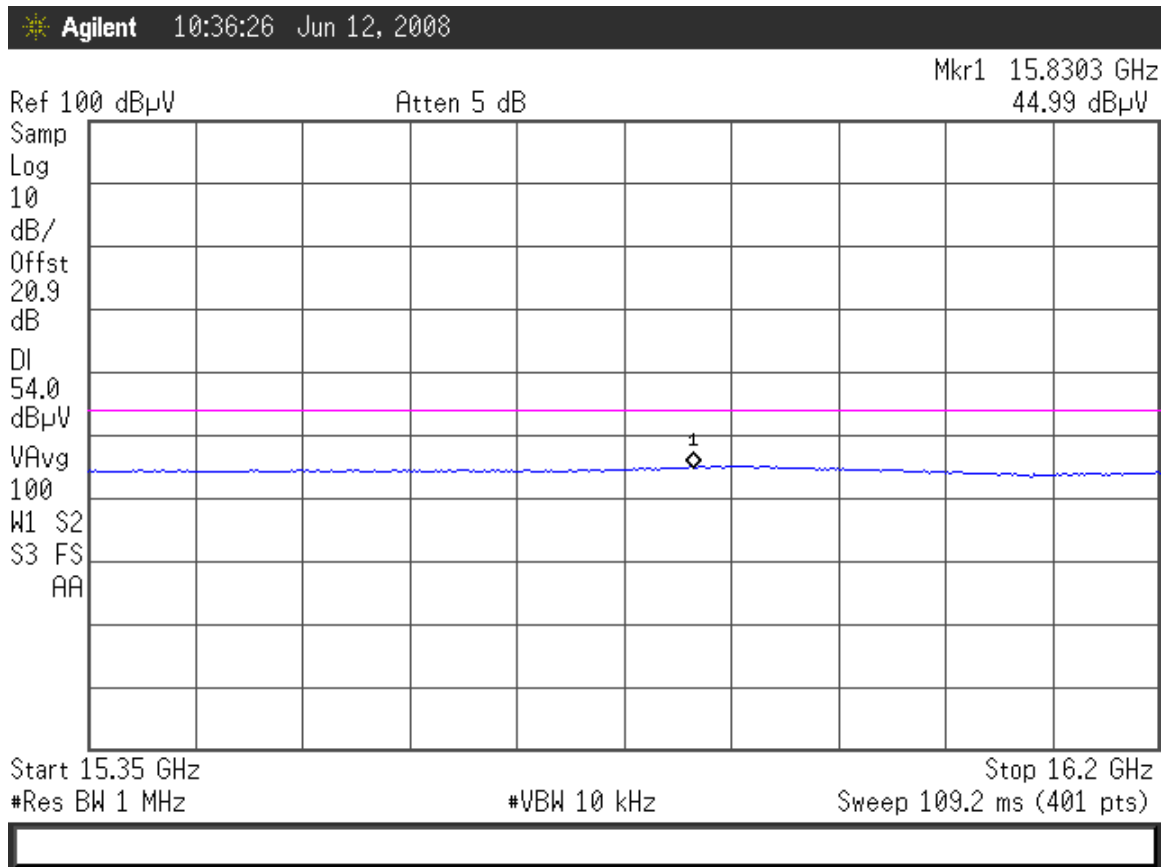
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 2	Antenna Horizontal		
Restricted Band	15.35GHz – 16.2GHz		


Average Measurement



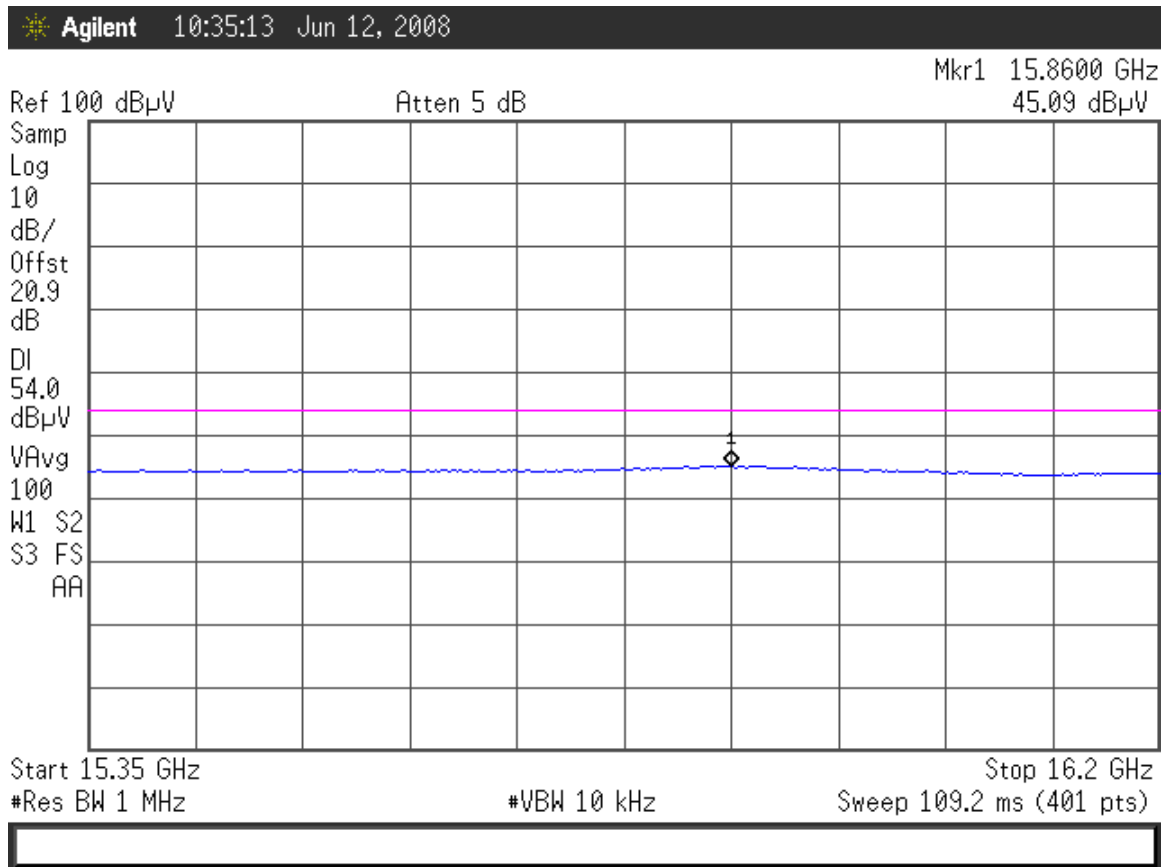
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 3	Antenna Vertical		
Restricted Band	15.35GHz – 16.2GHz		


Average Measurement



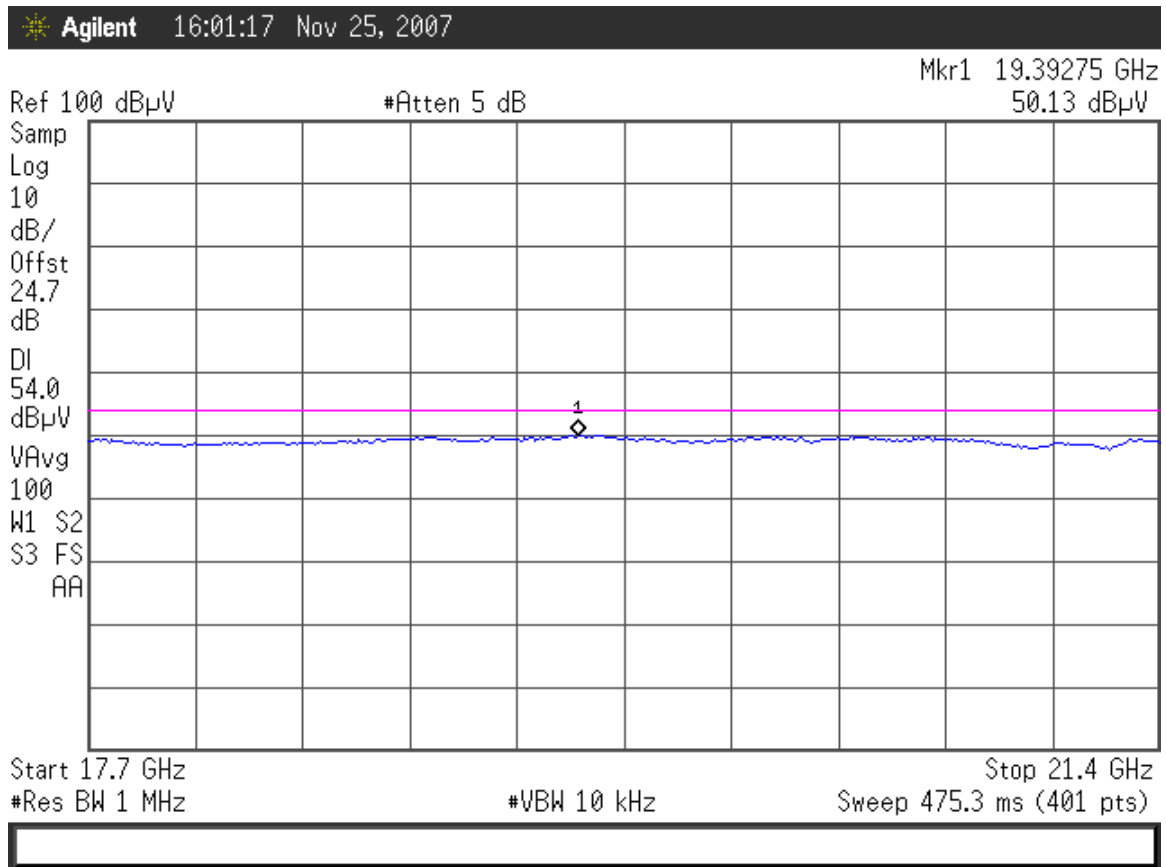
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 3	Antenna Horizontal		
Restricted Band	15.35GHz – 16.2GHz		


### Average Measurement



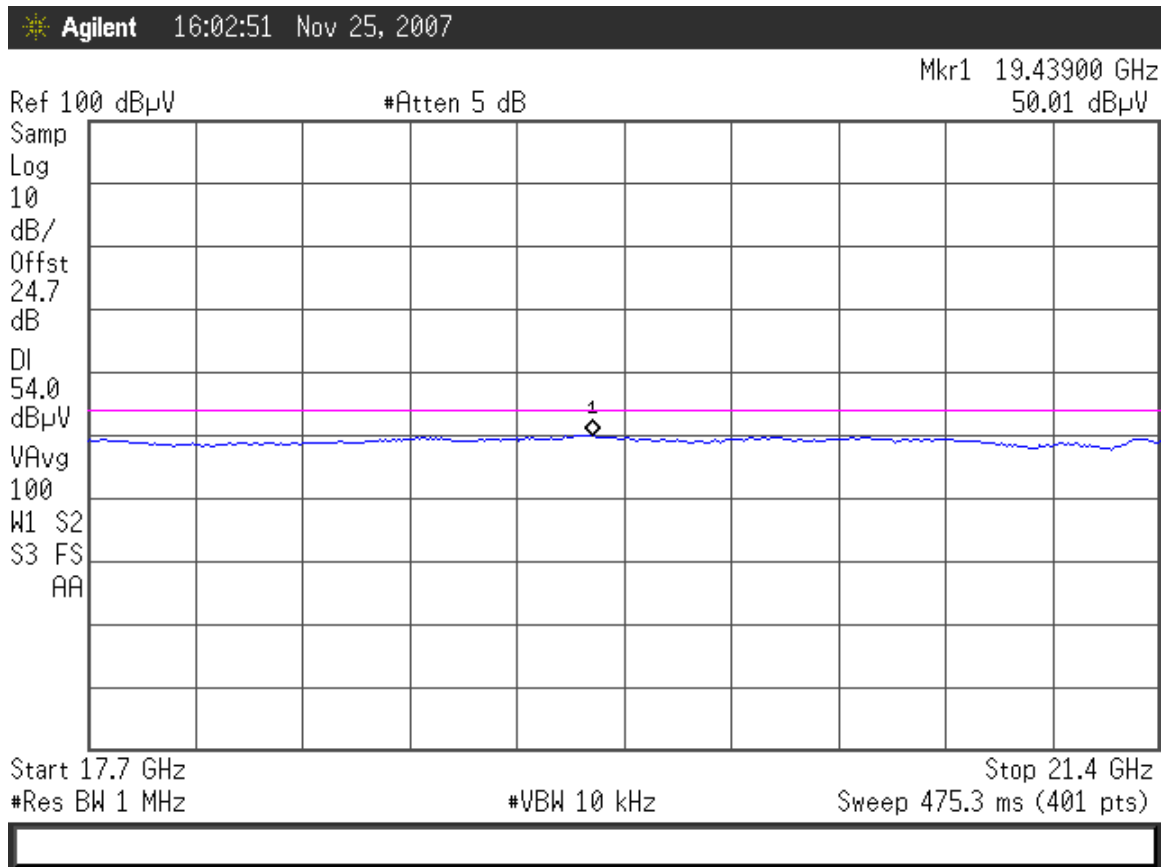
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	11-25-2007
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 1	Antenna Vertical		
Restricted Band	17.7GHz – 21.4GHz		


### Average Measurement



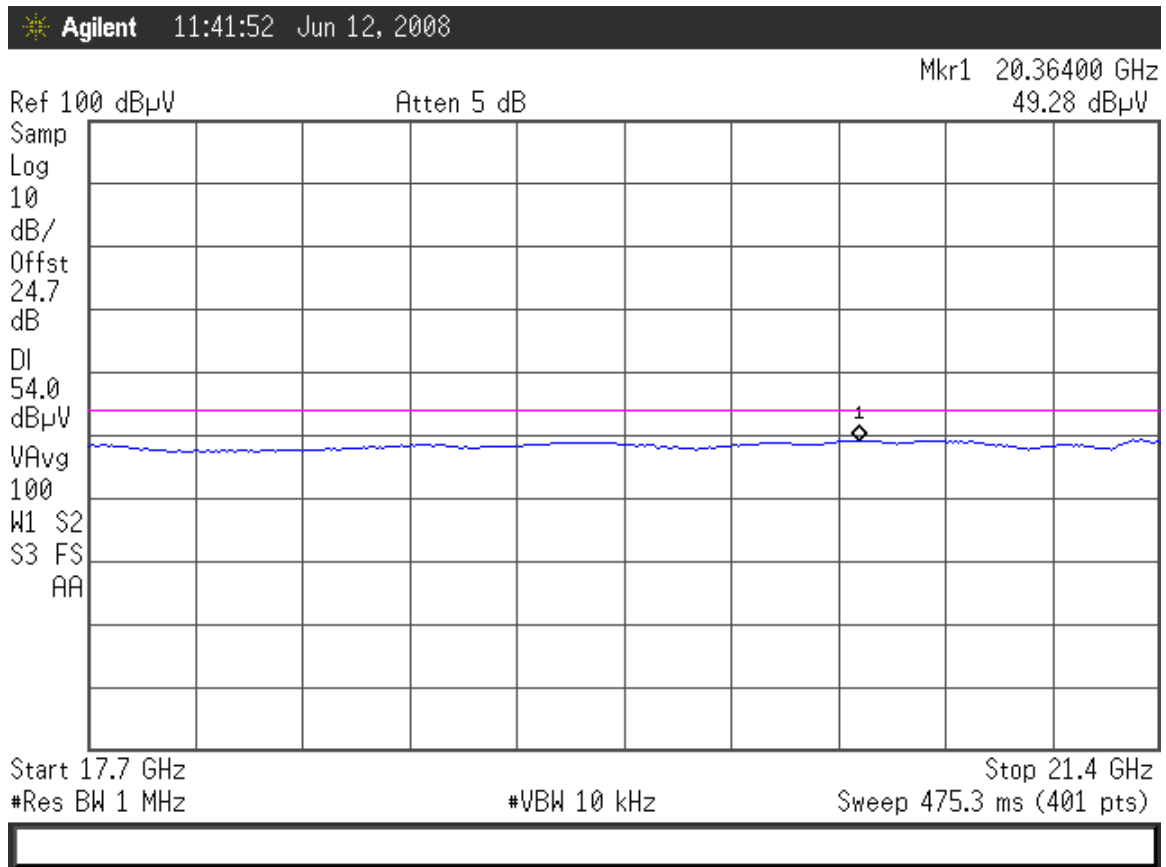
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	11-25-2007
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 1	Antenna Horizontal		
Restricted Band	17.7GHz – 21.4GHz		


Average Measurement



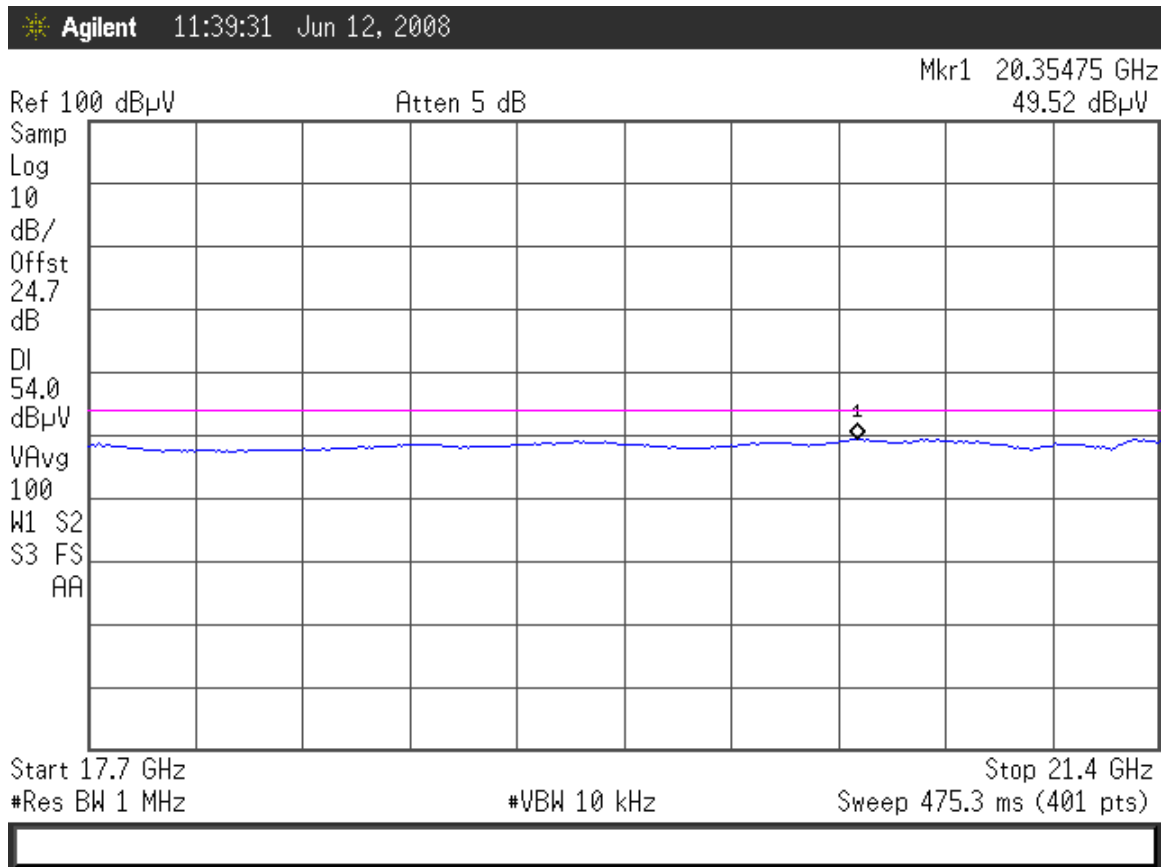
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 2	Antenna Vertical		
Restricted Band	17.7GHz – 21.4GHz		

### Average Measurement




	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 2	Antenna Horizontal		
Restricted Band	17.7GHz – 21.4GHz		

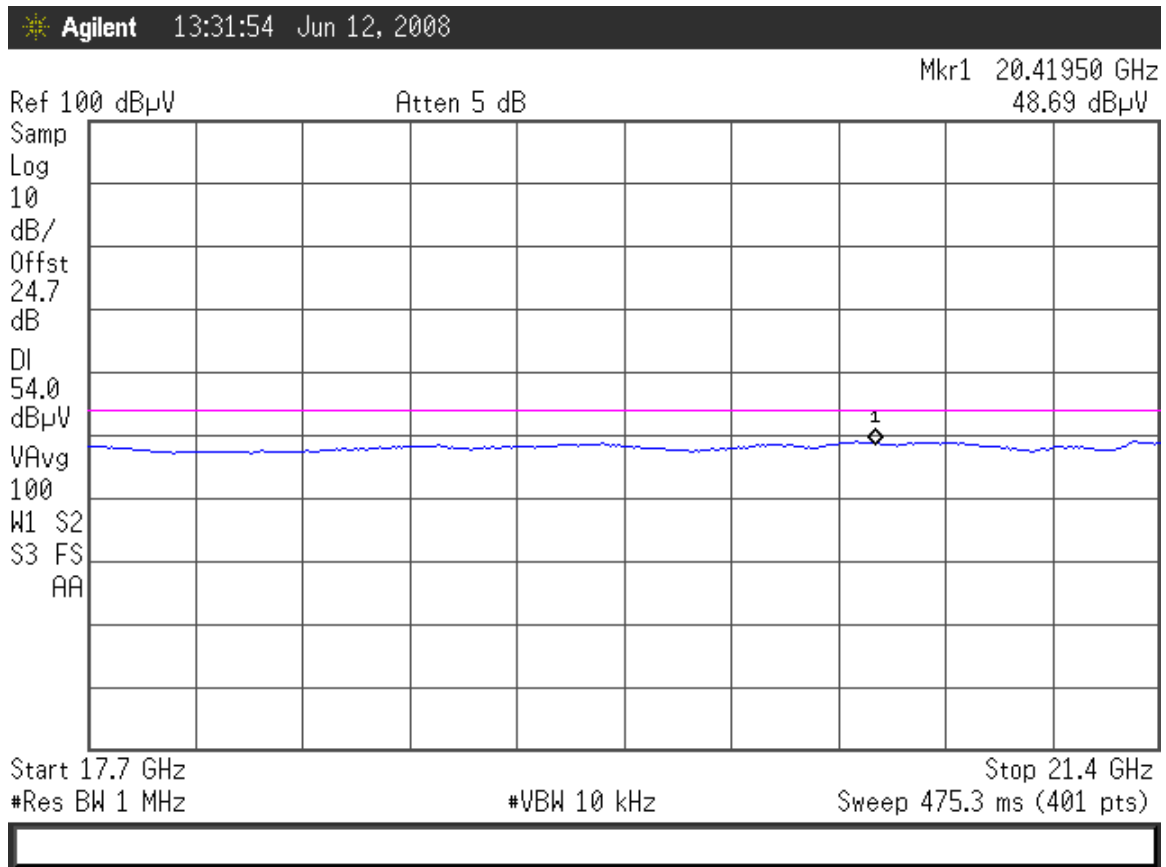
Average Measurement






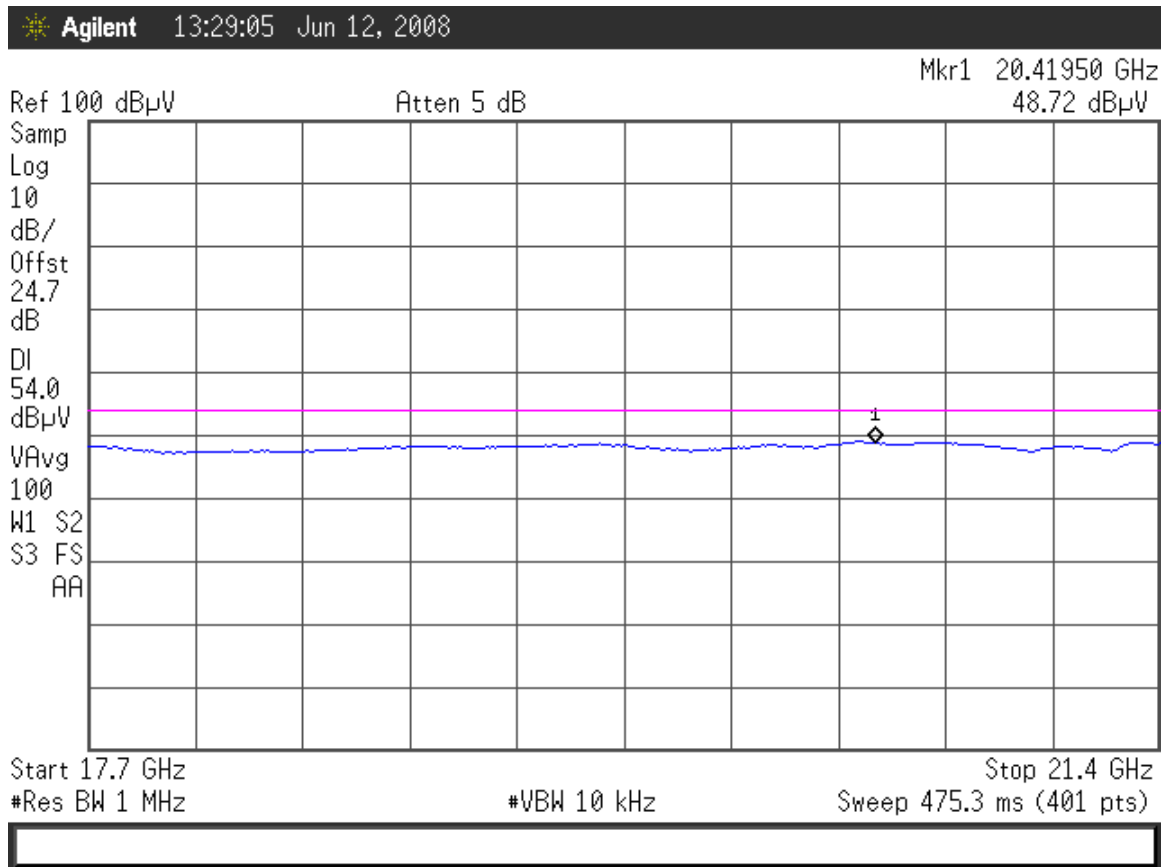
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 3	Antenna Vertical		
Restricted Band	17.7GHz – 21.4GHz		


### Average Measurement



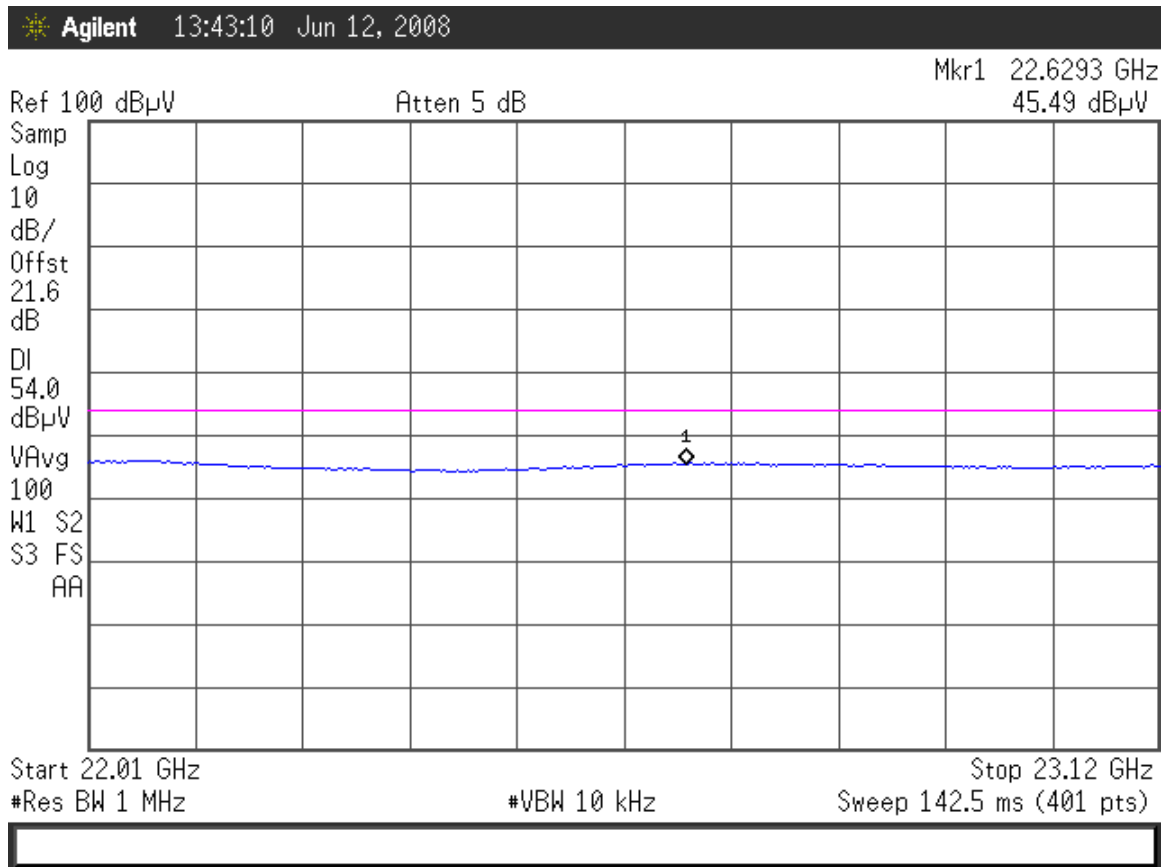
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 3	Antenna Horizontal		
Restricted Band	17.7GHz – 21.4GHz		


### Average Measurement



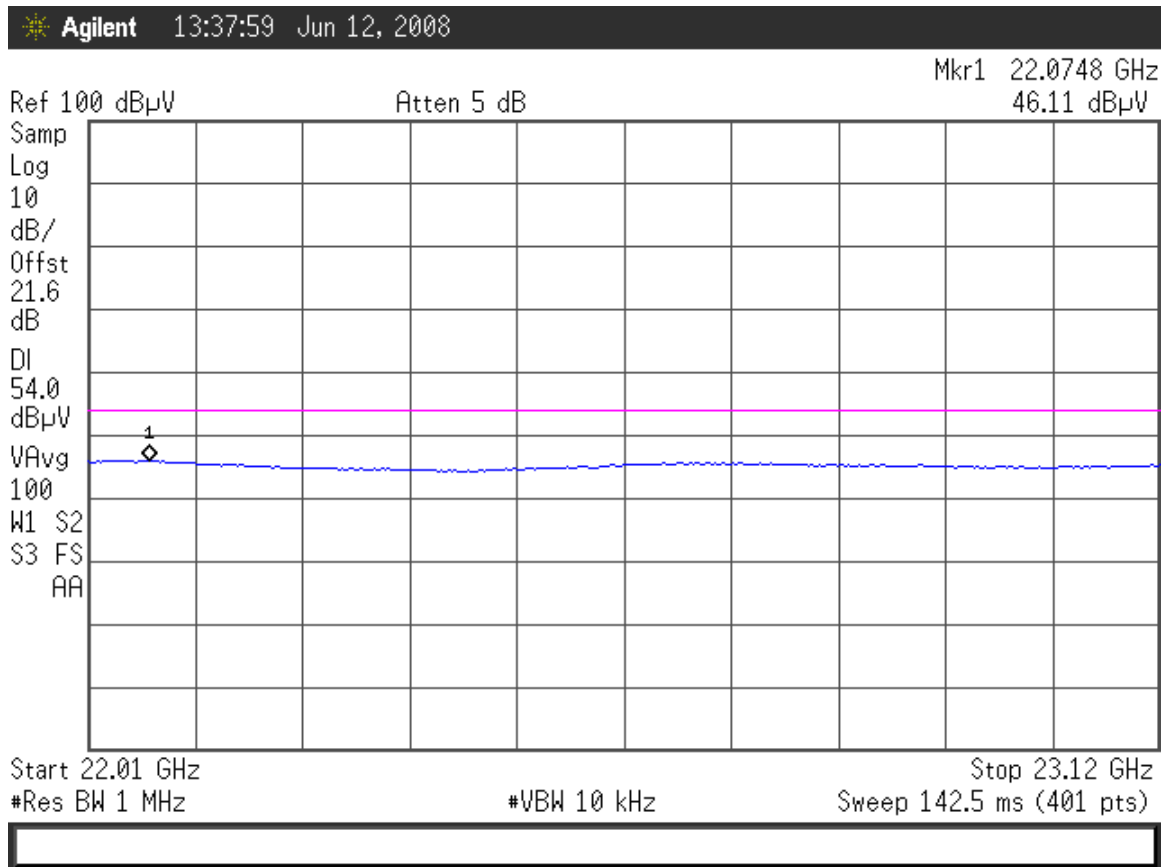
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 1	Antenna Vertical		
Restricted Band	22.01GHz – 23.12GHz		


### Average Measurement



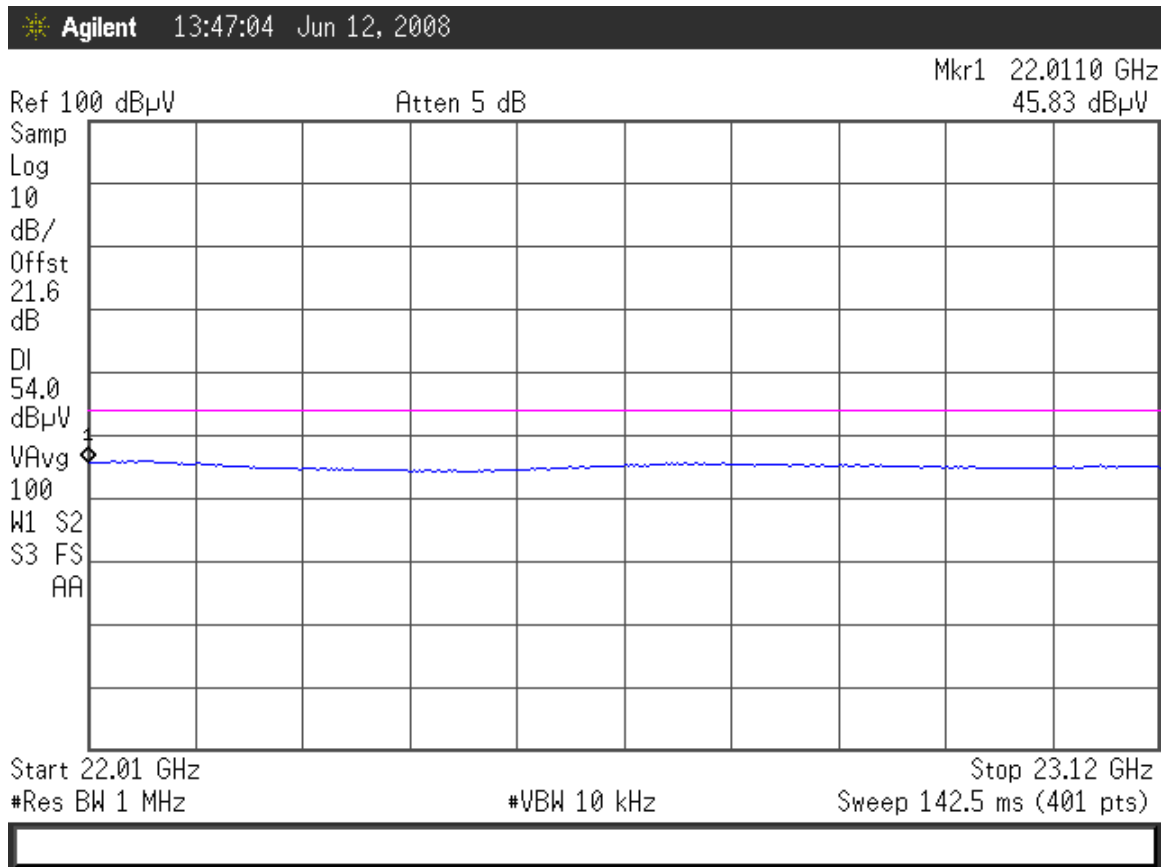
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 1	Antenna Horizontal		
Restricted Band	22.01GHz – 23.12GHz		


Average Measurement



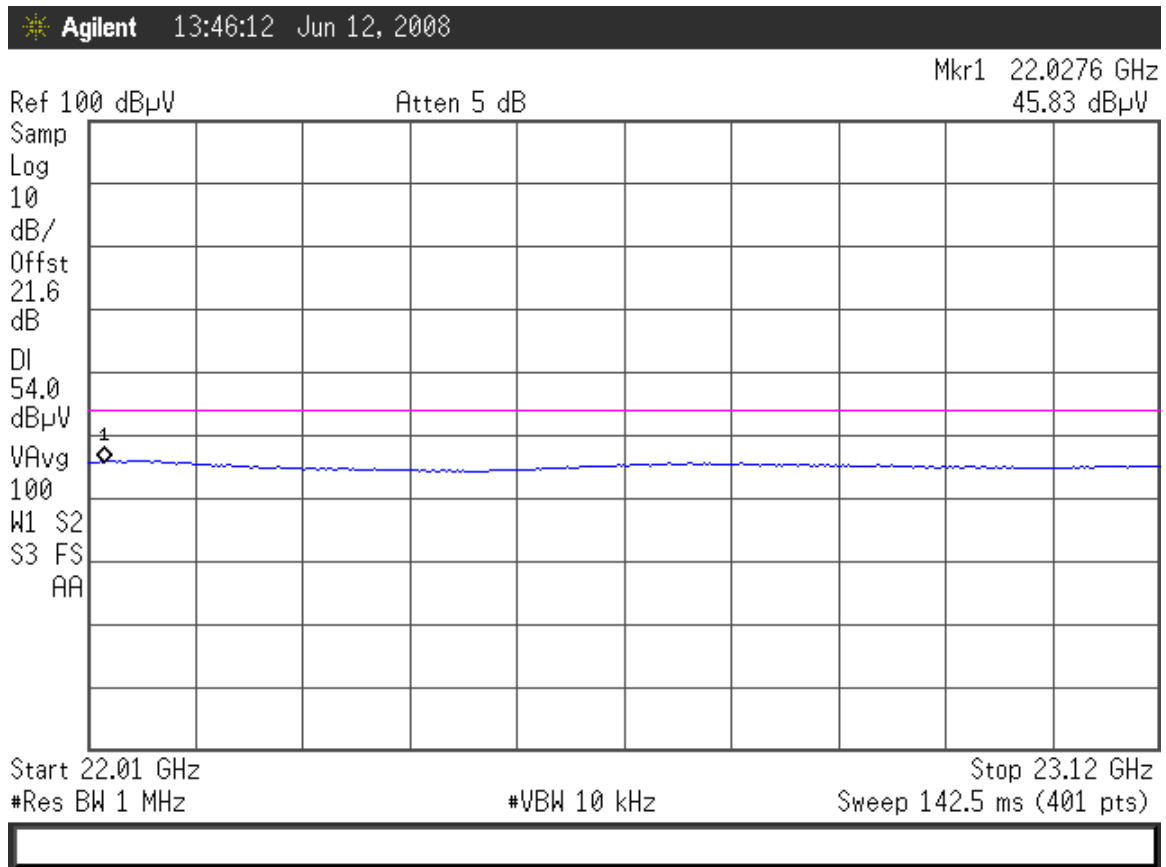
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 2	Antenna Vertical		
Restricted Band	22.01GHz – 23.12GHz		


### Average Measurement



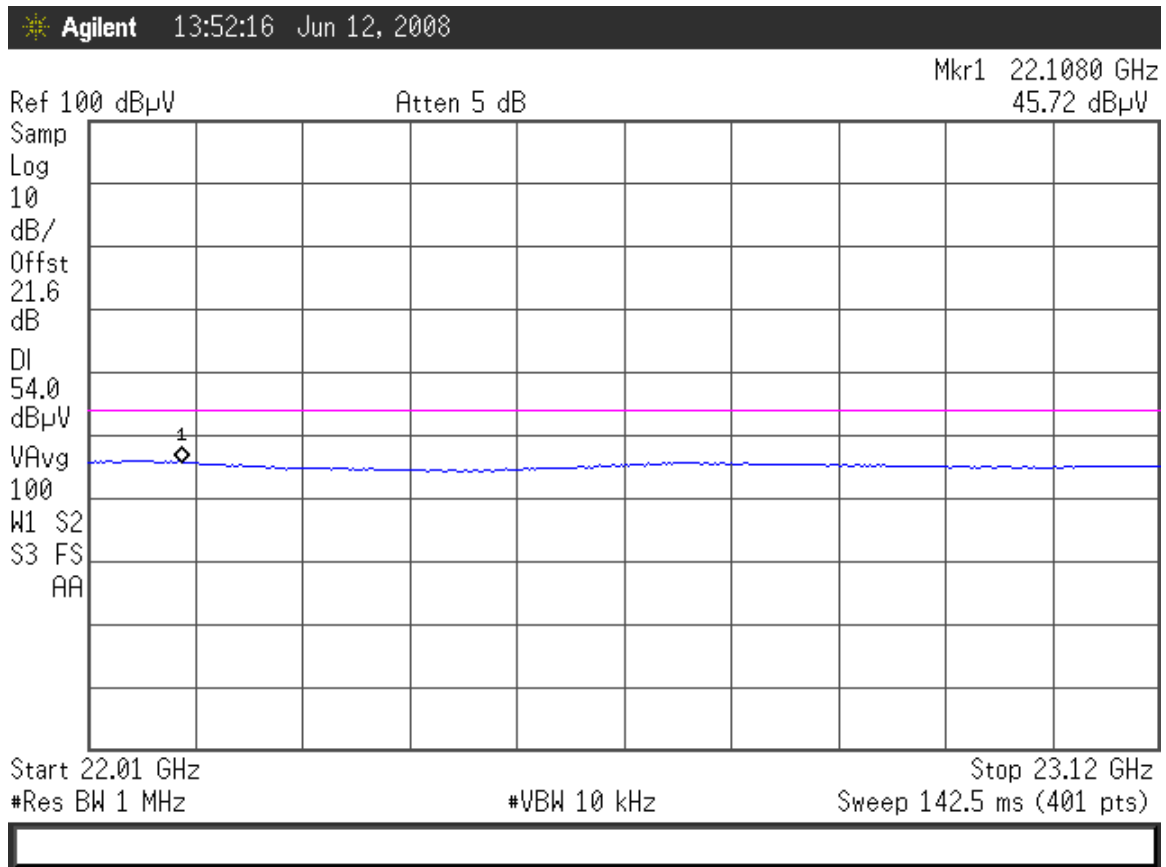
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 2	Antenna Horizontal		
Restricted Band	22.01GHz – 23.12GHz		


Average Measurement



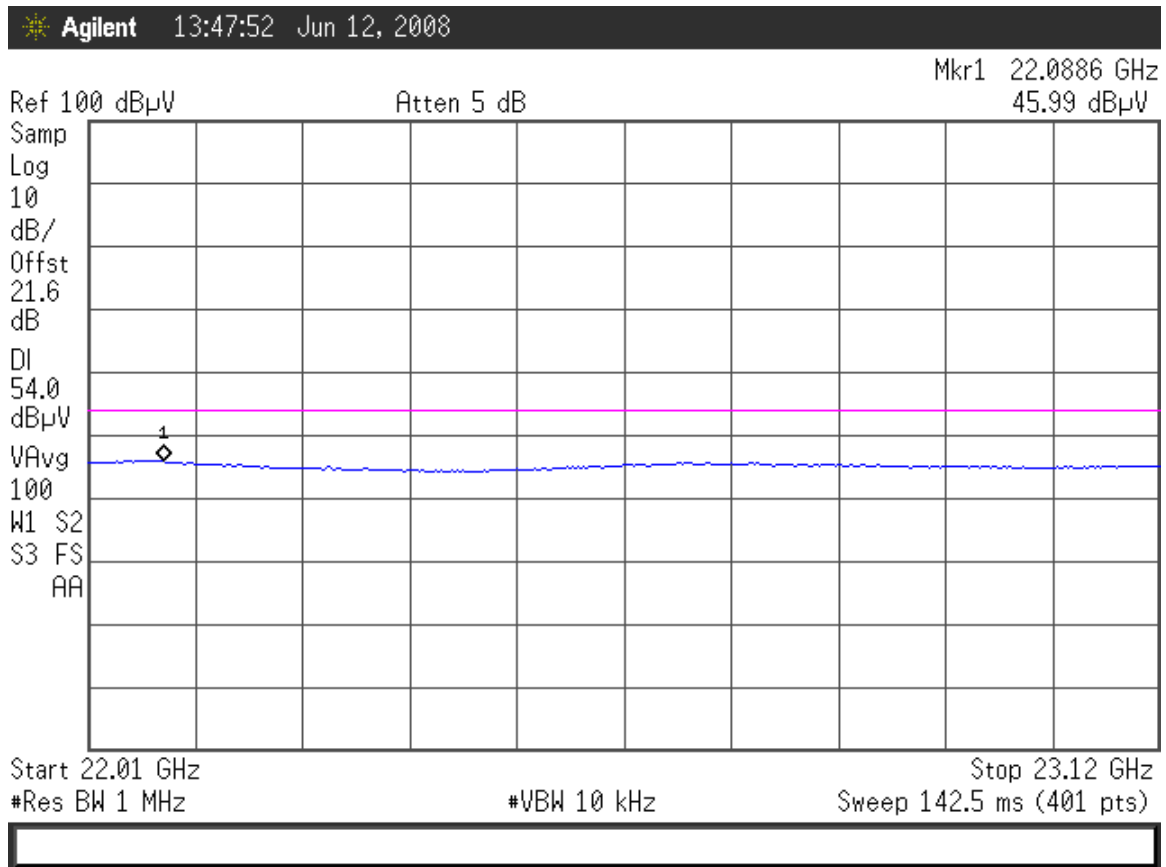
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 3	Antenna Vertical		
Restricted Band	22.01GHz – 23.12GHz		

### Average Measurement




	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 3	Antenna Horizontal		
Restricted Band	22.01GHz – 23.12GHz		

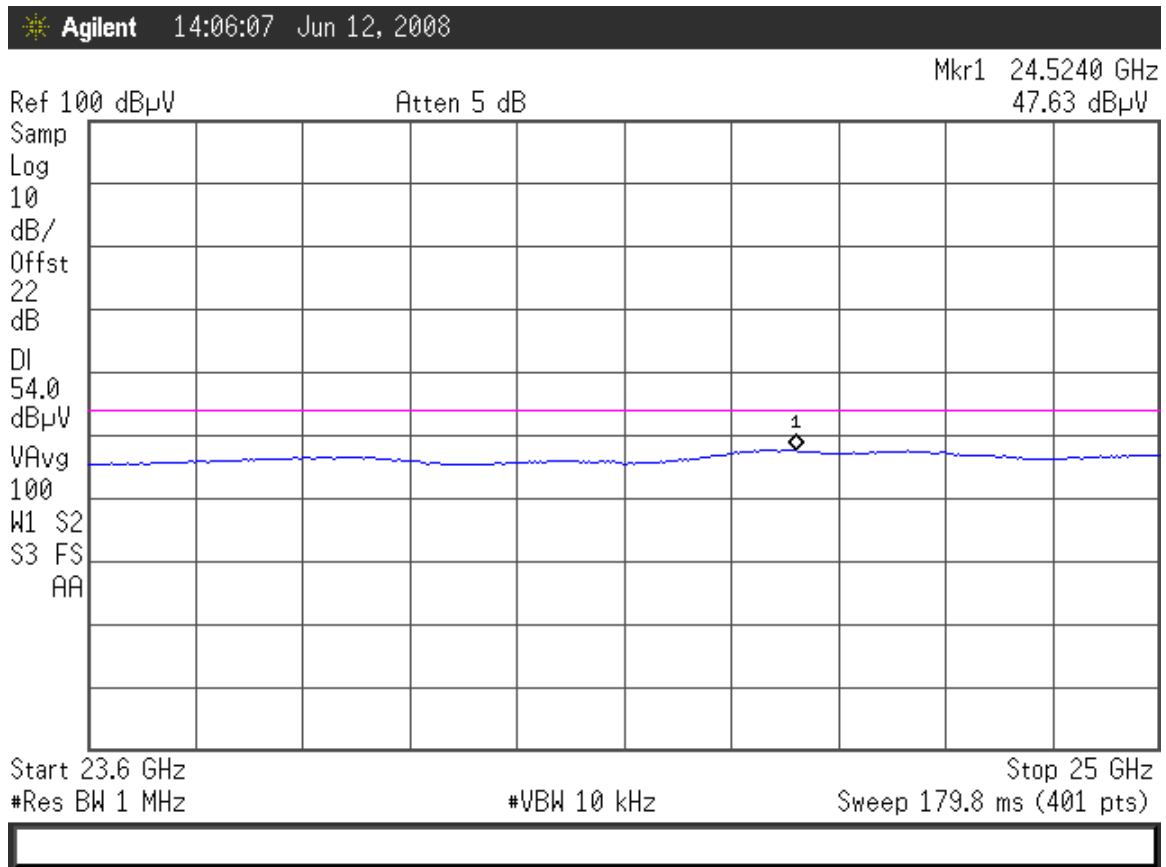
### Average Measurement






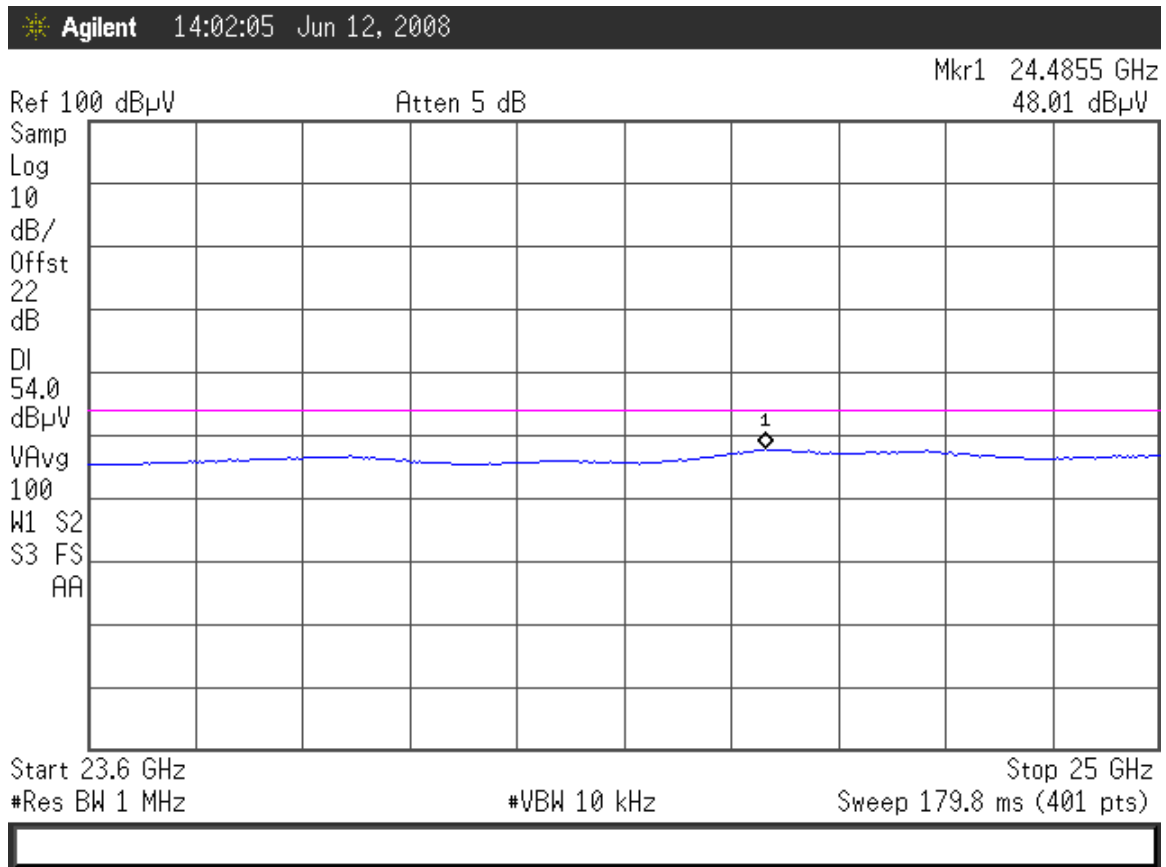
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 1	Antenna Vertical		
Restricted Band	23.6GHz – 25GHz		


### Average Measurement



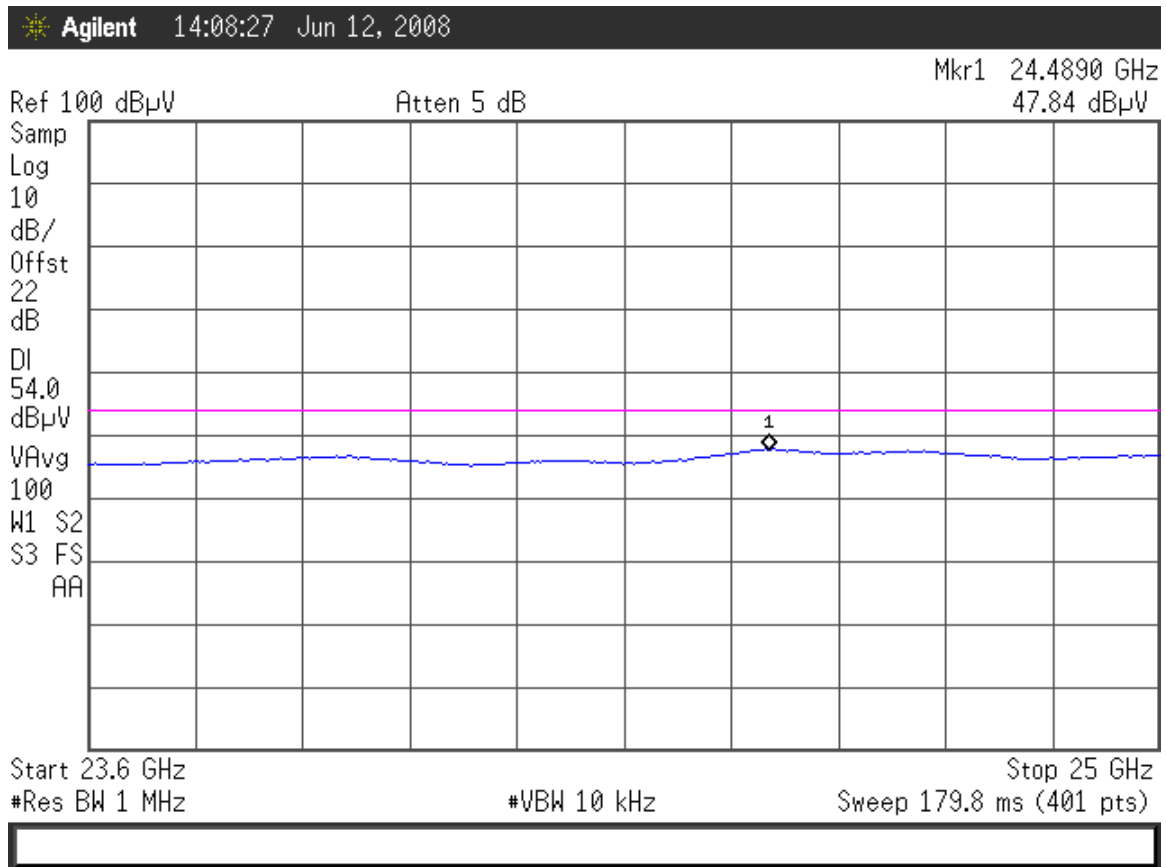
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 1	Antenna Horizontal		
Restricted Band	23.6GHz – 25GHz		


Average Measurement



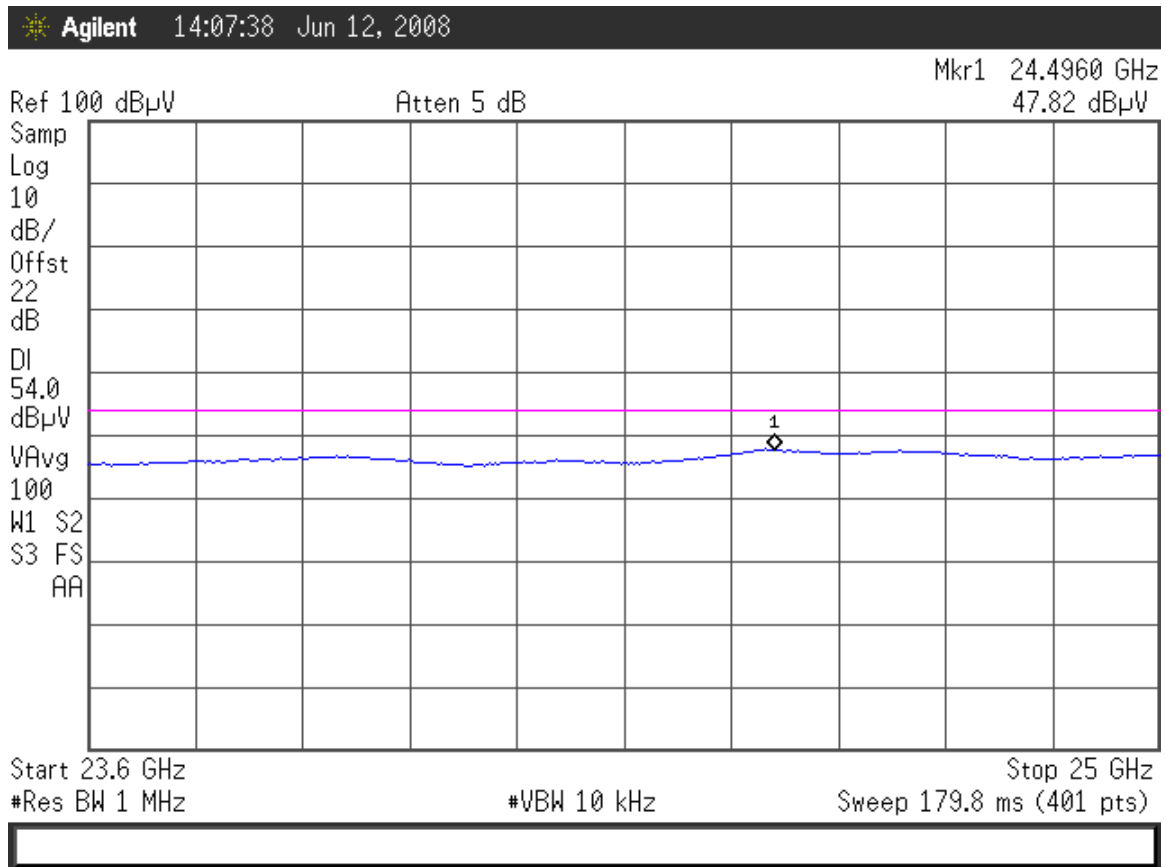
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 2	Antenna Vertical		
Restricted Band	23.6GHz – 25GHz		


### Average Measurement



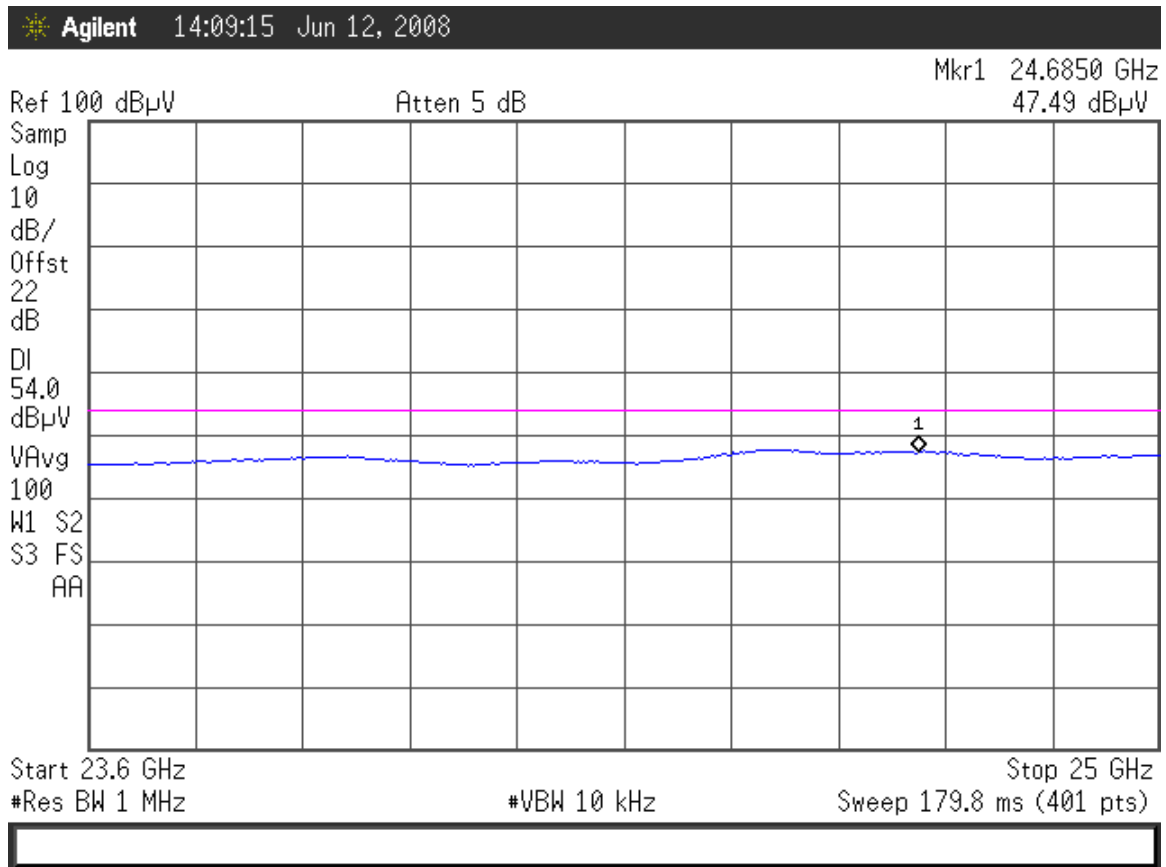
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 2	Antenna Horizontal		
Restricted Band	23.6GHz – 25GHz		


### Average Measurement



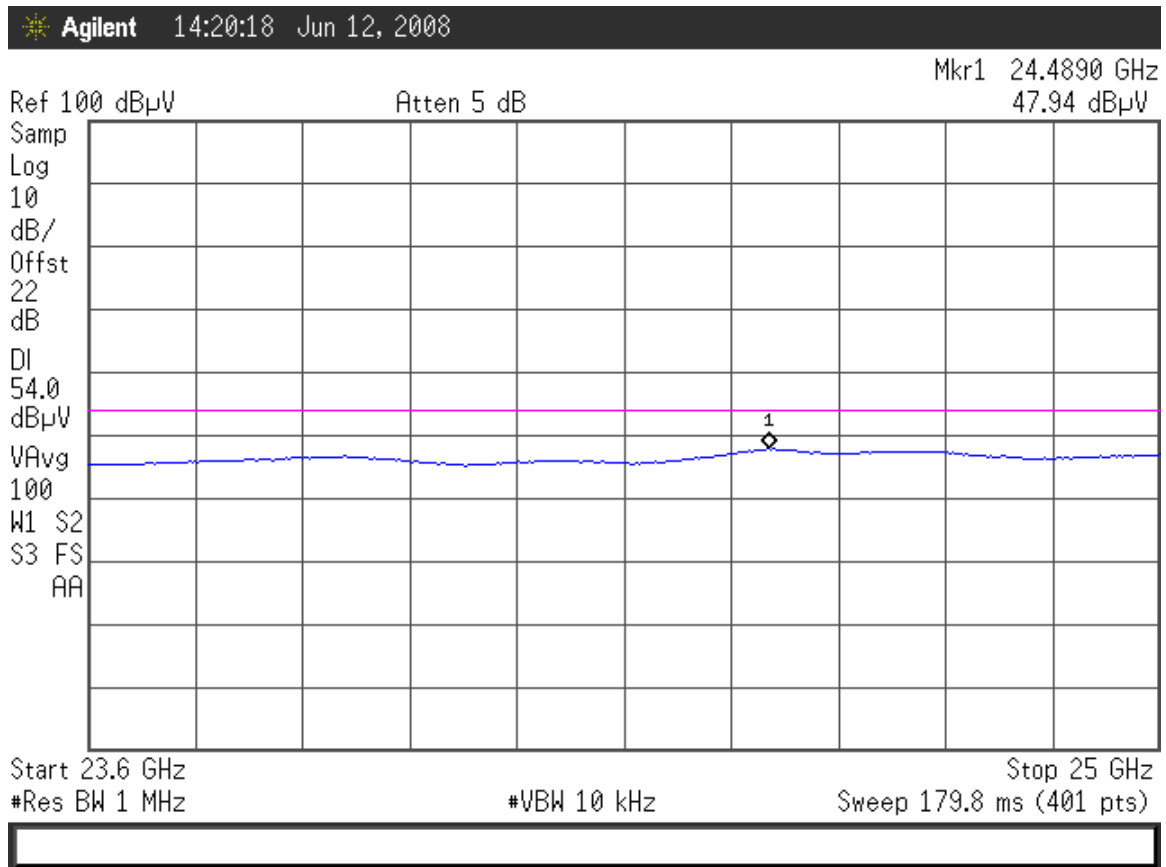
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 3	Antenna Vertical		
Restricted Band	23.6GHz – 25GHz		

Average Measurement



	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Radiated Emissions</b> (Restricted Bands)	
DNB Job Number:	88066	Date:	6-12-2008
Customer:	Kyosho Corp. of America		<b>15.205</b> <b>15.247(c)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Channel 3	Antenna Horizontal		
Restricted Band	23.6GHz – 25GHz		

Average Measurement



## 15.247(a, 2) 6dB Emission Bandwidth

### Test Procedure:

Use the following spectrum analyzer settings:

RBW	=	100kHz
VBW	=	300kHz
Span	=	Greater than RBW
Sweep	=	auto
Detector	=	peak
Trace	=	max hold

The EUT should be transmitting at its maximum data rate. Allow the trace to stabilize. Use the marker-to-peak function to set the marker to the peak of the emission. Use the marker-delta function to measure 6dB down one side of the emission. Reset the marker-delta functions, and move the marker to the other side of the emission, until it is even with the reference marker level. The marker-delta reading at this point is the 6dB bandwidth of the emission. If this value varies with different modes of operation (e.g., data rate, modulation format, etc.), repeat this test for each variation.


Requirement: The minimum 6dB bandwidth shall be at least 500kHz.

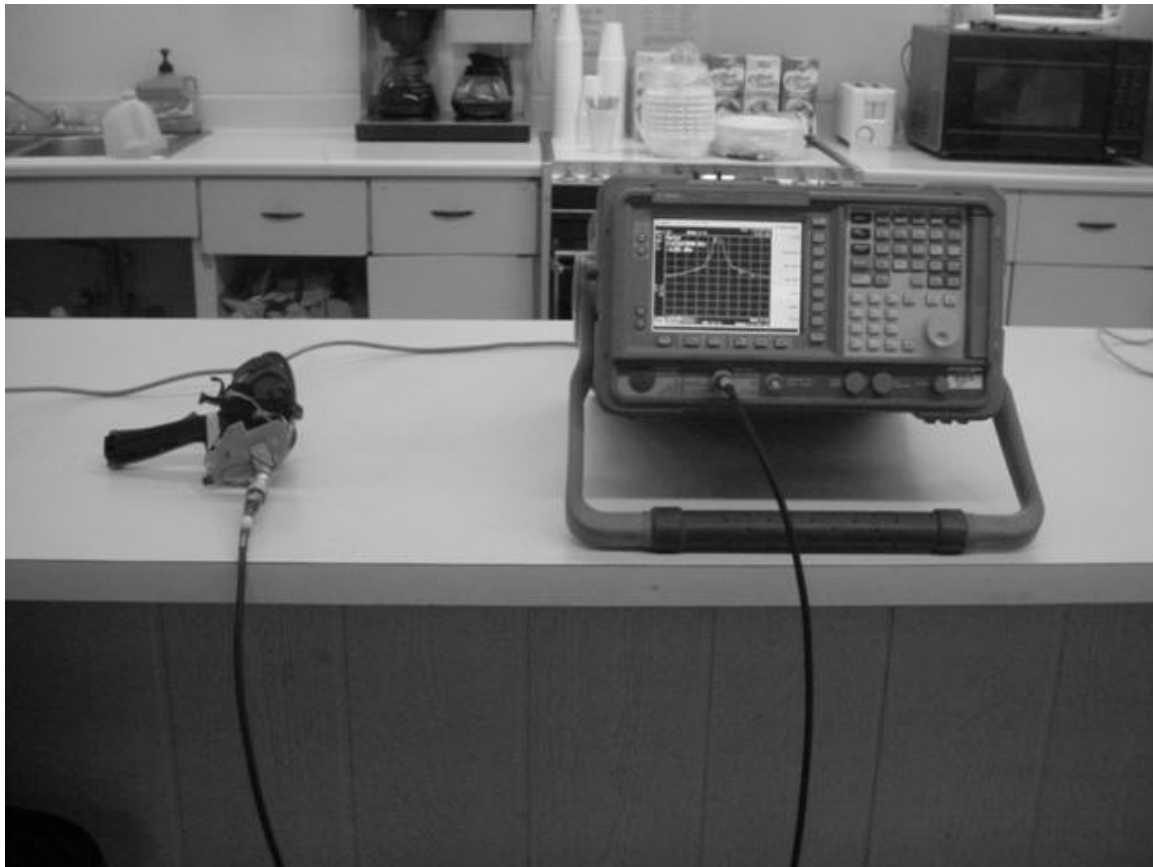
### EUT Operating Conditions:

The test fixture provided by the client allowed the EUT to transmit continuously at the low, mid, and upper channels respectively.


### Test Setup:

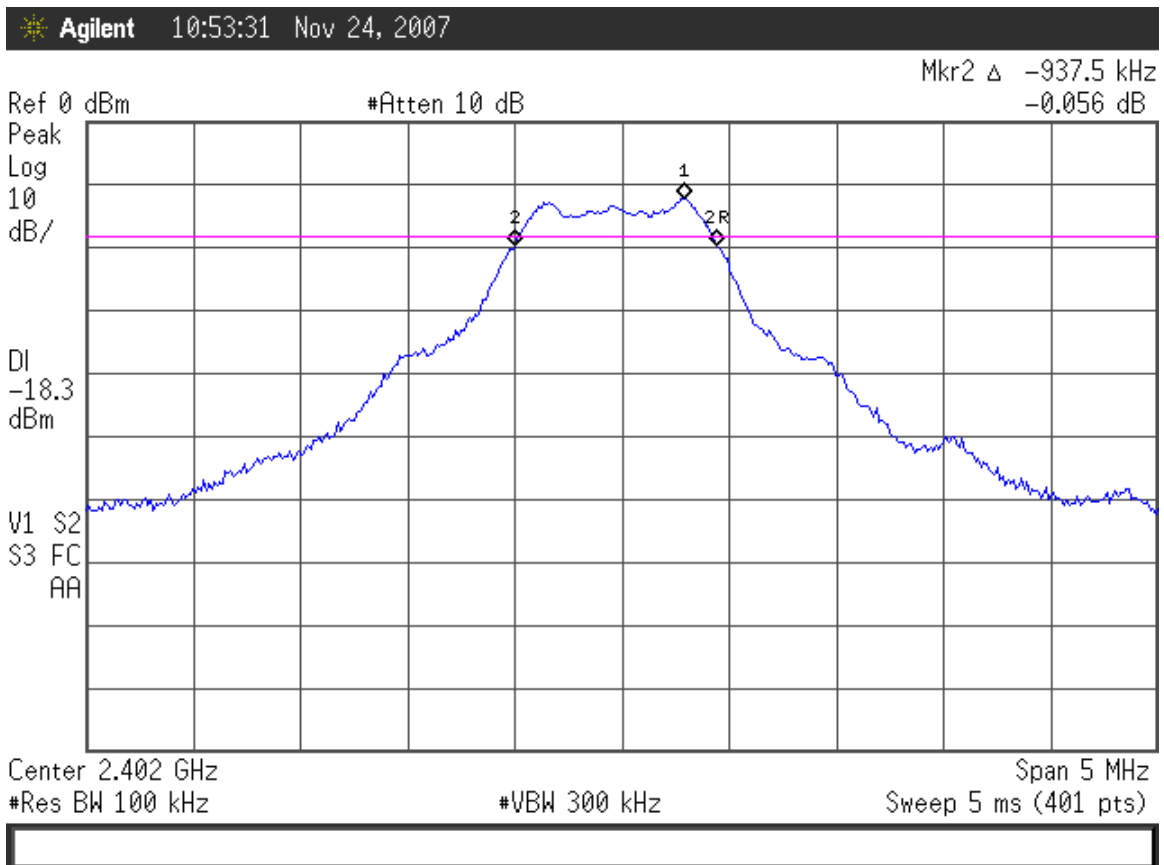



	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>6 dB Emission Bandwidth</b>	
DNB Job Number:	88066	Date:	11-24-2007
Customer:	Kyosho Corp. of America		<b>15.247(a,2)</b>
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Photograph of Test Setup			

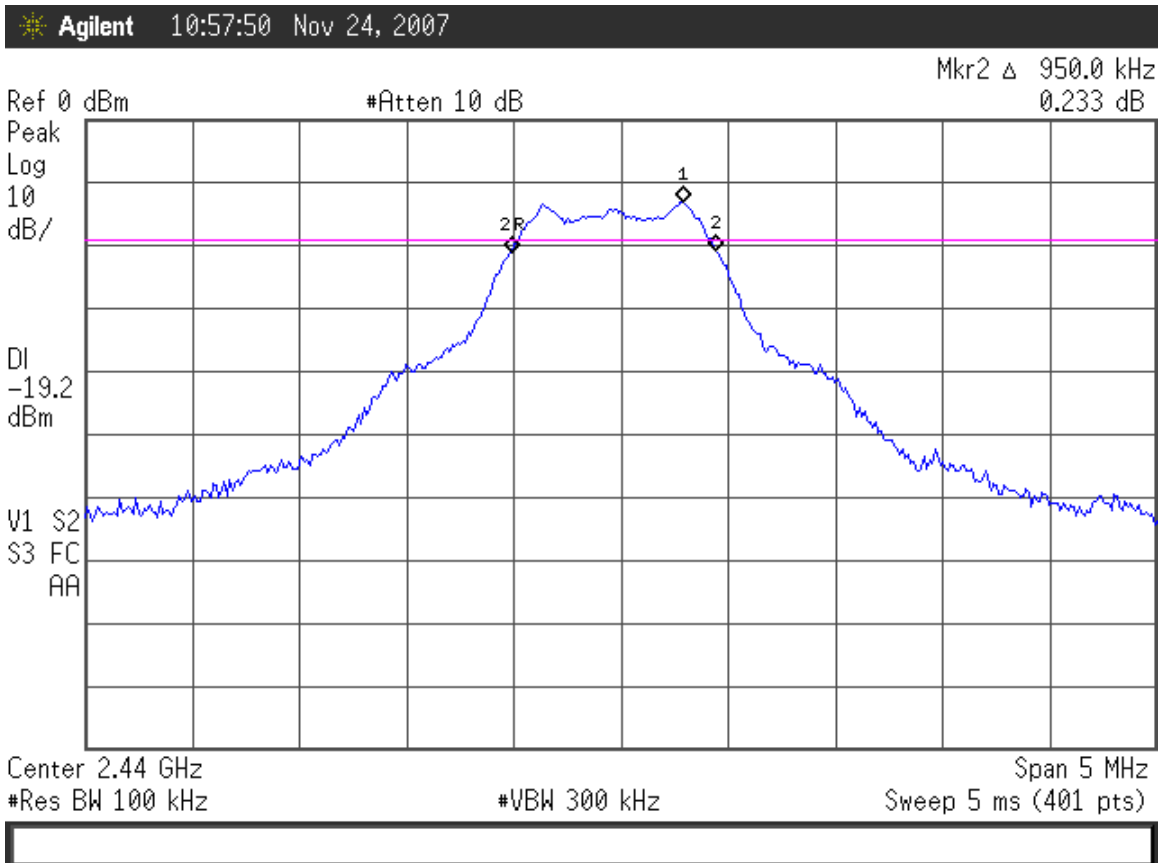





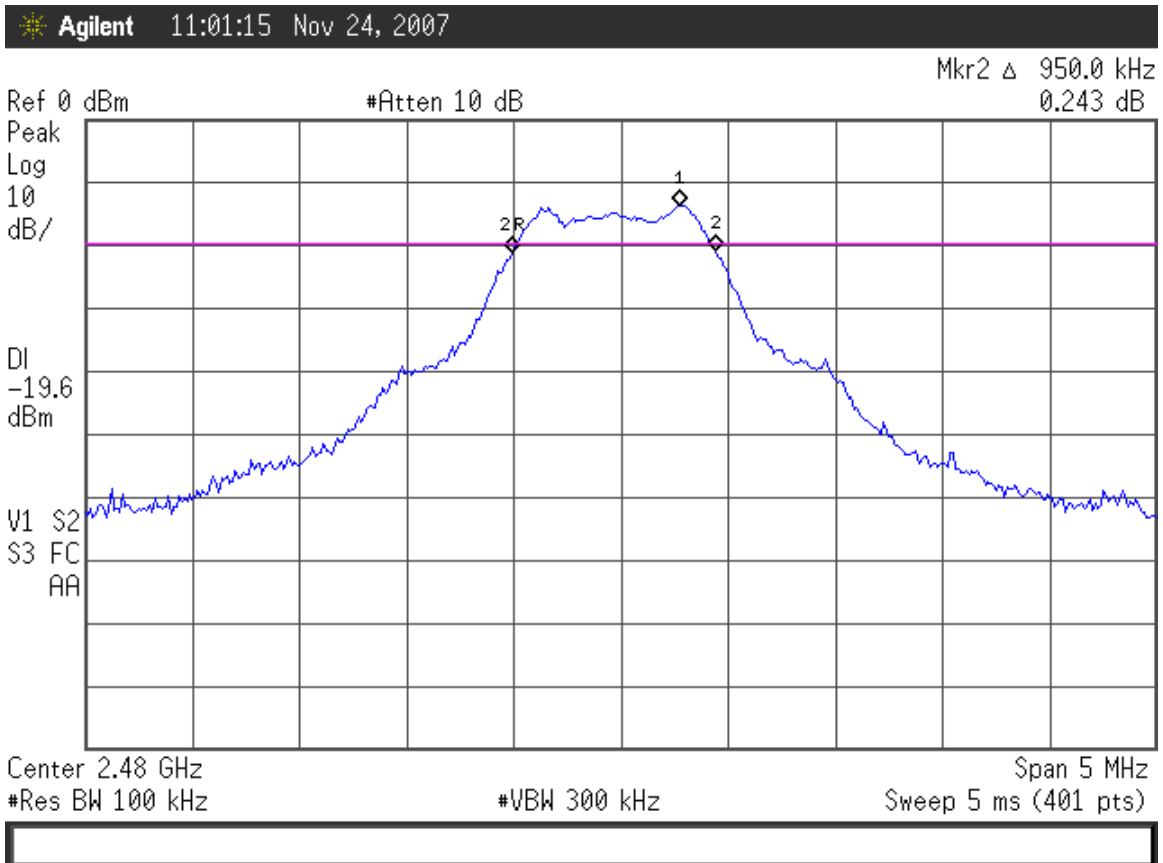
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630		6 dB Emission Bandwidth	
DNB Job Number:	88066	Date:	11-24-2007	
Customer:	Kyosho Corp of America			15.247(a,2)
Model Number:	KT-18	Specification:		
Description:	Remote Control Transmitter			
Environmental conditions				
Ambient Temperature		Relative Humidity		Barometric Pressure
22°C		35%		98.9kPa
Channel	Freq. (MHz)	6dB BW(kHz)	min. lim.(kHz)	Pass/fail
1	2402	937.5	500	Pass



	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630		6 dB Emission Bandwidth	
DNB Job Number:	88066	Date:	11-24-2007	
Customer:	Kyosho Corp of America			15.247(a,2)
Model Number:	KT-18	Specification:		
Description:	Remote Control Transmitter			
Environmental conditions				
Ambient Temperature		Relative Humidity		Barometric Pressure
22°C		35%		98.9kPa
Channel	Freq. (MHz)	6dB BW(kHz)	min. lim.(kHz)	Pass/fail
2	2440	950.0	500	Pass



	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630		6 dB Emission Bandwidth	
DNB Job Number:	88066	Date:	11-24-2007	
Customer:	Kyosho Corp of America			15.247(a,2)
Model Number:	KT-18	Specification:		
Description:	Remote Control Transmitter			
Environmental conditions				
Ambient Temperature		Relative Humidity		Barometric Pressure
22°C		35%		98.9kPa
Channel	Freq. (MHz)	6dB BW(kHz)	min. lim.(kHz)	Pass/fail
3	2480	950.0	500	Pass



### 15.247(b, 3) Maximum Peak Output Power (Conducted)

#### Test Procedure:

Connect RF power meter directly to antenna terminals. Record RF output of low, mid and upper channels.

#### De Facto EIRP Limit

Describe how the EUT complies with the *de facto* EIRP limit for every antenna proposed for use with the EUT. This includes those devices that will be used in point-to-point applications. If the peak output power, as measured above, must be reduced so that the *de facto* EIRP limit may be met for a particular antenna, describe exactly how much it will be reduced for that antenna. If the peak output power level is raised above the limit in order to compensate for cable loss between the EUT and the antenna, specify the minimum length of cable that will always be used, the type of cable and its loss in dB per unit length for the frequency of the emission. Also, specify who will be responsible for ensuring that compliant operation is maintained for every antenna that will be used with the EUT.

#### Point-to-Point Operation

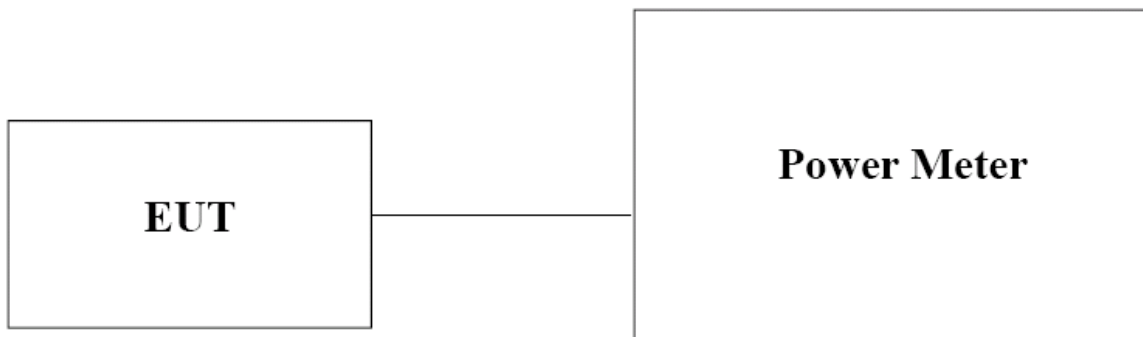
If the EIRP relaxation for point-to-point operation is proposed for any particular antenna, describe who will be responsible for ensuring that the EUT is only used in such an application.


Requirement: The maximum peak output power shall not exceed 1W (30dBm)

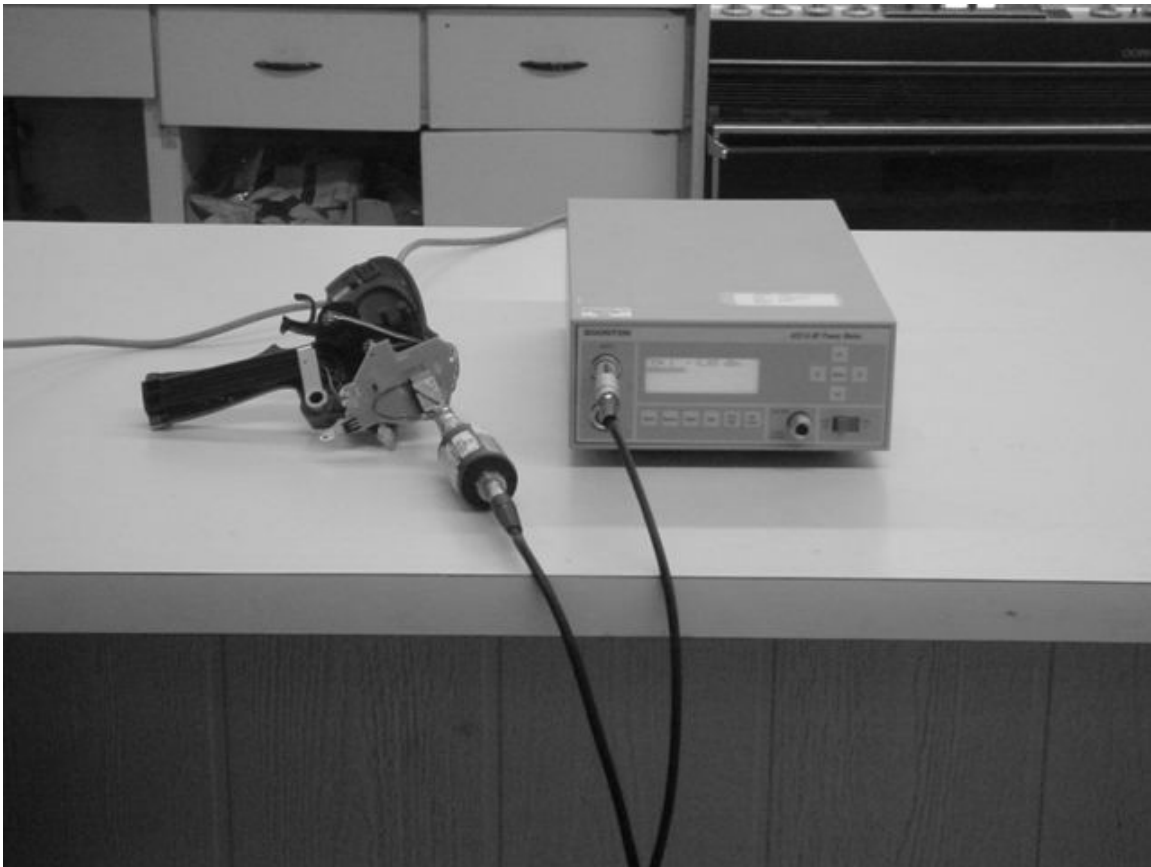
#### EUT Operating Conditions:


The test fixture provided by the client enabled the EUT to transmit continuously at the low, mid and upper channels respectively.

#### Test Setup:



	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Peak Output Power</b> (Conducted)	
<b>DNB Job Number:</b>	88066	<b>Date:</b>	11-24-2007
<b>Customer:</b>	Kyosho Corp. of America		<b>15.247(b, 3)</b>
<b>Model Number:</b>	KT-18	<b>Specification:</b>	
<b>Description:</b>	Remote Control Transmitter		
Photograph of Test Setup			



	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Peak Output Power</b> (Conducted)	
<b>DNB Job Number:</b>	88066	<b>Date:</b>	11-24-2007
<b>Customer:</b>	Kyosho Corp. of America		<b>15.247(b, 3)</b>
<b>Model Number:</b>	KT-18	<b>Specification:</b>	
<b>Description:</b>	Remote Control Transmitter		

Environmental conditions								
Ambient Temperature			Relative Humidity			Barometric Pressure		
25°C			34%			98.9kPa		
CH	Freq (MHz)	Conducted Power(dBm)	Limit (dBm)	De Facto Limit	Delta (dBm)	Pass/Fail	Antenna	
							Type	Gain
1	2402	-3.2	30	N/A	-33.2	Pass	Omni	0 dbi

Environmental conditions								
Ambient Temperature			Relative Humidity			Barometric Pressure		
25°C			34%			98.9kPa		
CH	Freq (MHz)	Conducted Power(dBm)	Limit (dBm)	De Facto Limit	Delta (dBm)	Pass/Fail	Antenna	
							Type	Gain
19	2440	-3.1	30	N/A	-33.1	Pass	Omni	0 dbi

Environmental conditions								
Ambient Temperature			Relative Humidity			Barometric Pressure		
25°C			34%			98.9kPa		
CH	Freq (MHz)	Conducted Power(dBm)	Limit (dBm)	De Facto Limit	Delta (dBm)	Pass/Fail	Antenna	
							Type	Gain
39	2480	-3.3	30	N/A	-33.3	Pass	Omni	0 dbi

### 15.247(c) Spurious RF Conducted Emissions

Use the following spectrum analyzer settings:


Span	=	Wide enough to capture the peak level of the in-band emission and all spurious emissions (e.g. harmonics) from the lowest frequency generated in the EUT up through the 10 <sup>th</sup> harmonic. Typically, several plots are required to cover this entire span.
RBW	=	100kHz
VBW	=	300kHz
Sweep	=	auto
Detector	=	peak
Trace	=	max. hold

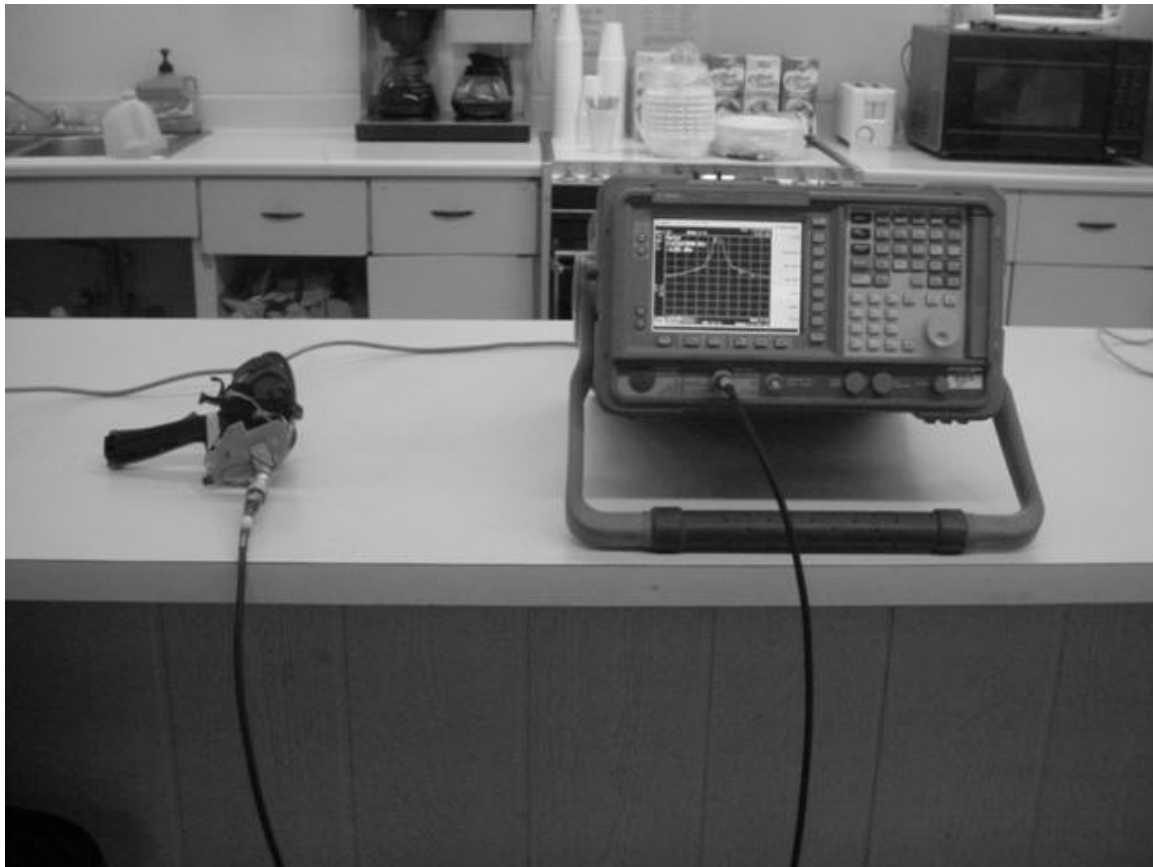
Allow the trace to stabilize. Set the marker on the peak of any spurious emission recorded.

Requirement: The maximum out-of-band emissions shall not exceed 20dBc


Test Setup:




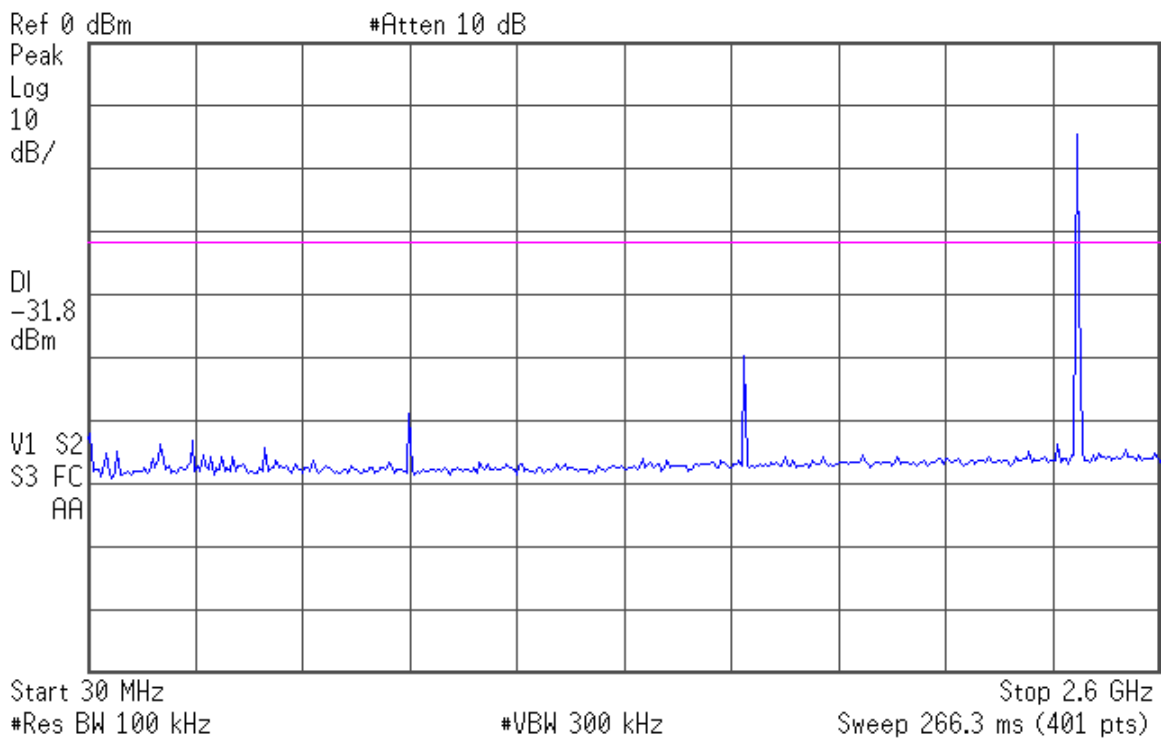
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Spurious Emissions</b> (Conducted)	
<b>DNB Job Number:</b>	88066	<b>Date:</b>	11-24-2007
<b>Customer:</b>	Kyosho Corp. of America		<b>15.247(c)</b>
<b>Model Number:</b>	KT-18	<b>Specification:</b>	
<b>Description:</b>	Remote Control Transmitter		
Photograph of Test Setup			







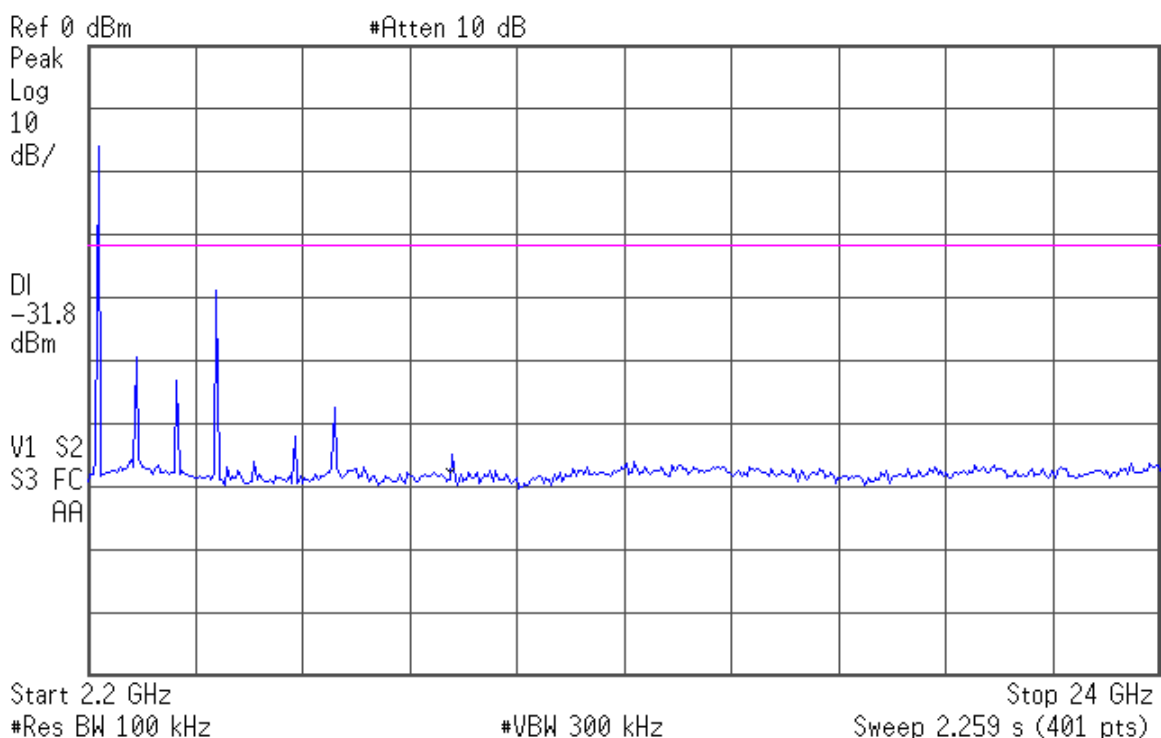
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	Spurious Emissions (Conducted)	
DNB Job Number:	88066	Date:	11-24-2007
Customer:	Kyosho Corp. of America		15.247(c)
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Environmental conditions			
Ambient Temperature	Relative Humidity	Barometric Pressure	
22°C	33%	98.9kPa	
Channel	Freq. (MHz)	Pass/Fail	
1	2402	Pass	



**Agilent** 11:27:32 Nov 24, 2007




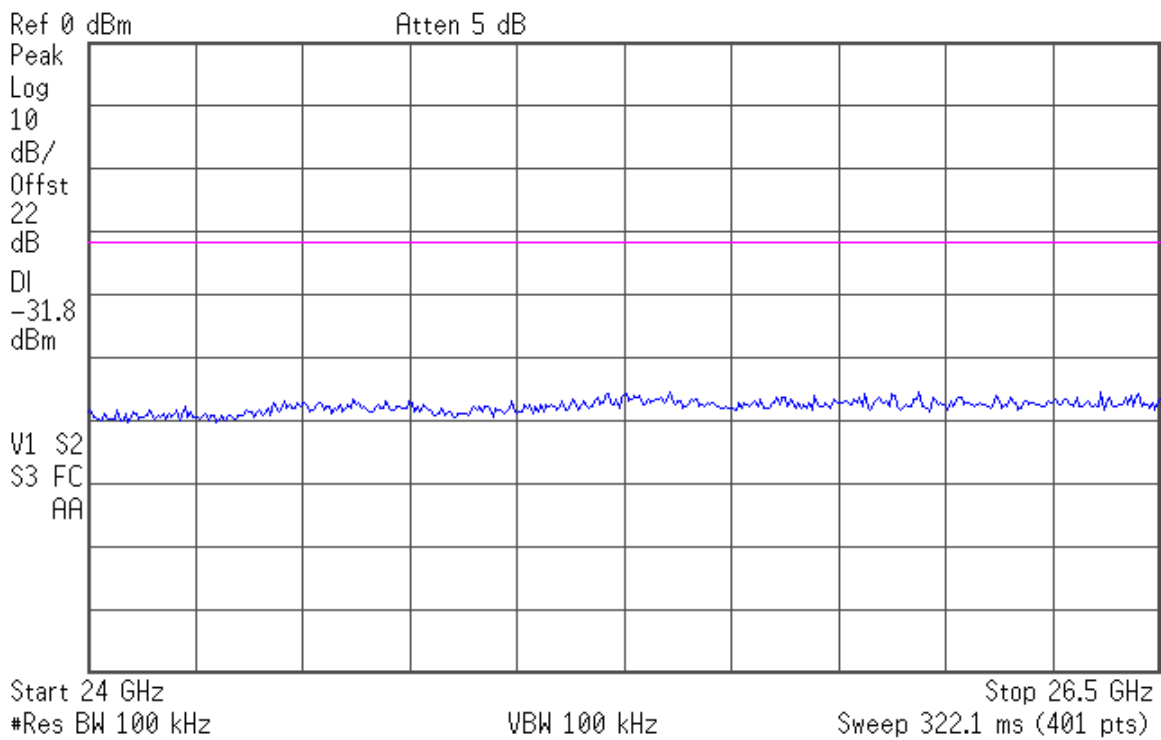
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Spurious Emissions</b> (Conducted)	
<b>DNB Job Number:</b>	88066	<b>Date:</b>	11-24-2007
<b>Customer:</b>	Kyosho Corp. of America		<b>15.247(c)</b>
<b>Model Number:</b>	KT-18	<b>Specification:</b>	
<b>Description:</b>	Remote Control Transmitter		
<b>Environmental conditions</b>			
<b>Ambient Temperature</b>	<b>Relative Humidity</b>	<b>Barometric Pressure</b>	
22°C	33%	98.9kPa	
<b>Channel</b>	<b>Freq. (MHz)</b>	<b>Pass/Fail</b>	
1	2402	Pass	



**Agilent** 11:20:58 Nov 24, 2007




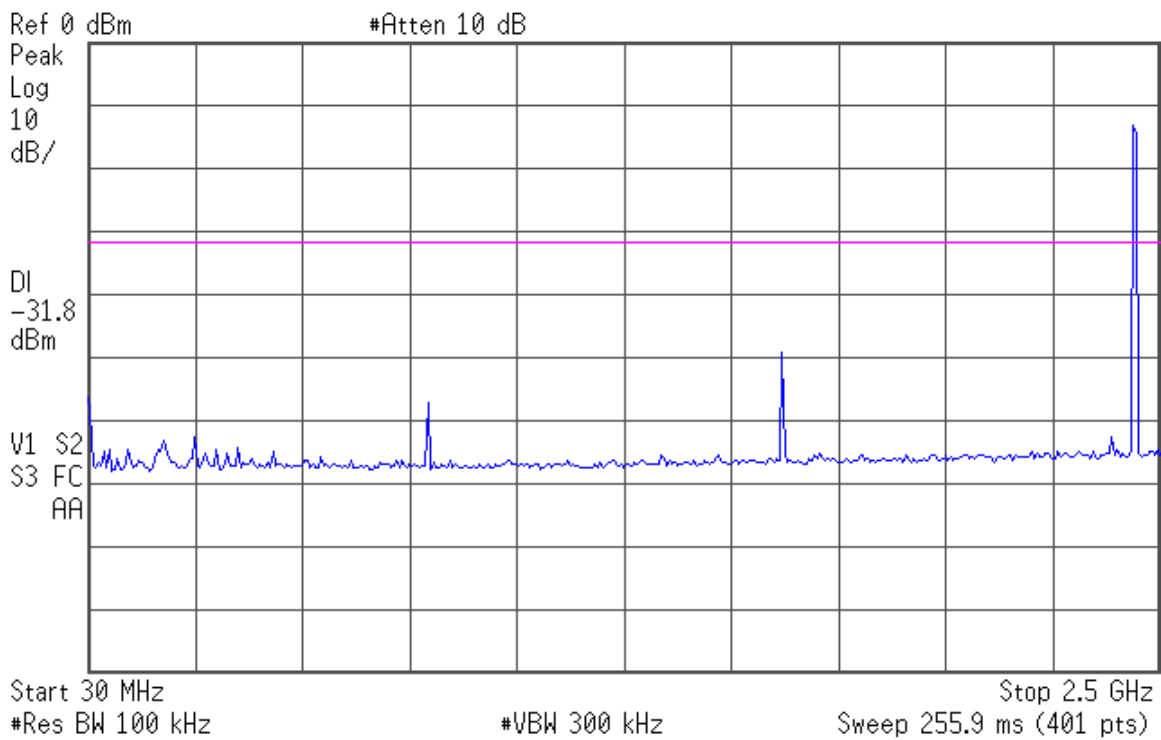
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Spurious Emissions</b> (Conducted)	
<b>DNB Job Number:</b>	88066	<b>Date:</b>	6-12-2008
<b>Customer:</b>	Kyosho Corp. of America		<b>15.247(c)</b>
<b>Model Number:</b>	KT-18	<b>Specification:</b>	
<b>Description:</b>	Remote Control Transmitter		
<b>Environmental conditions</b>			
<b>Ambient Temperature</b>	<b>Relative Humidity</b>	<b>Barometric Pressure</b>	
22°C	33%	98.9kPa	
<b>Channel</b>	<b>Freq. (MHz)</b>	<b>Pass/Fail</b>	
1	2402	Pass	



**Agilent** 14:56:17 Jun 12, 2008

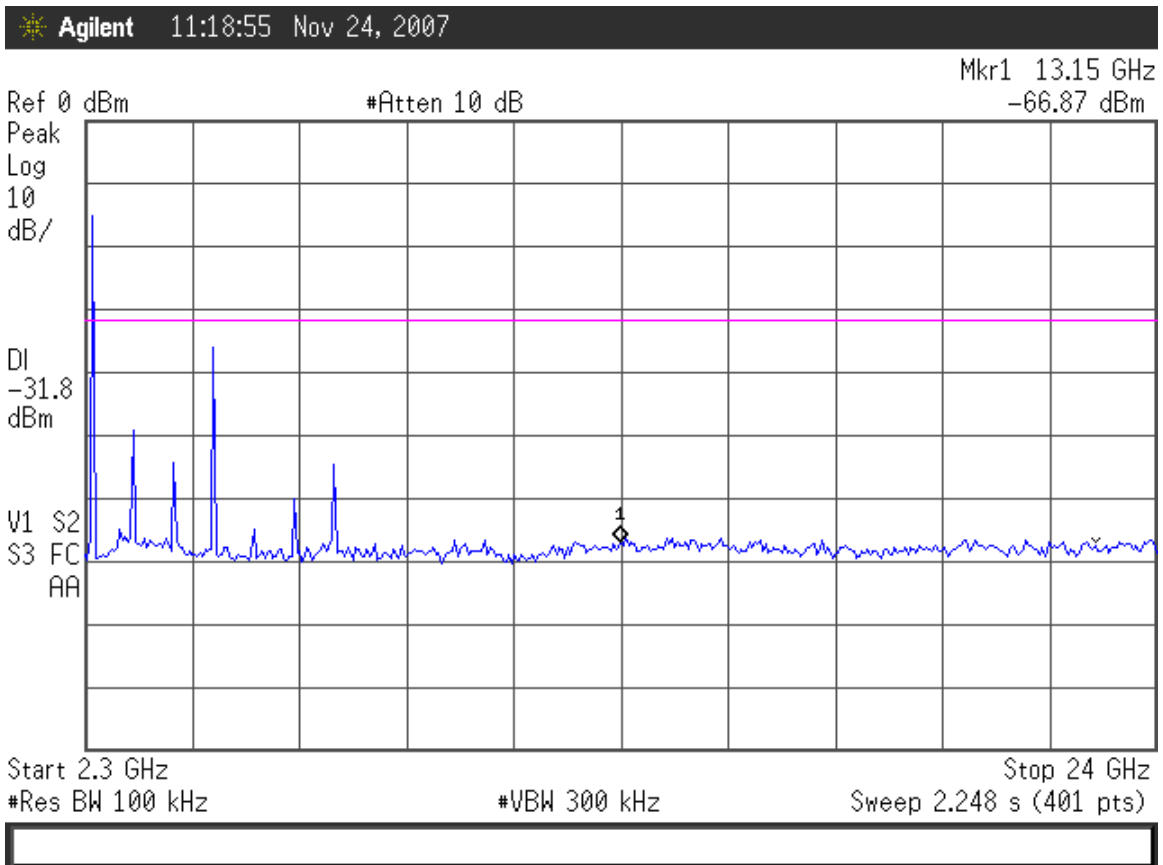



	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Spurious Emissions</b> (Conducted)	
<b>DNB Job Number:</b>	88066	<b>Date:</b>	11-24-2007
<b>Customer:</b>	Kyosho Corp. of America		<b>15.247(c)</b>
<b>Model Number:</b>	KT-18	<b>Specification:</b>	
<b>Description:</b>	Remote Control Transmitter		
<b>Environmental conditions</b>			
<b>Ambient Temperature</b>	<b>Relative Humidity</b>	<b>Barometric Pressure</b>	
22°C	33%	98.9kPa	
<b>Channel</b>	<b>Freq. (MHz)</b>	<b>Pass/Fail</b>	
2	2440	Pass	


**Agilent** 11:13:46 Nov 24, 2007

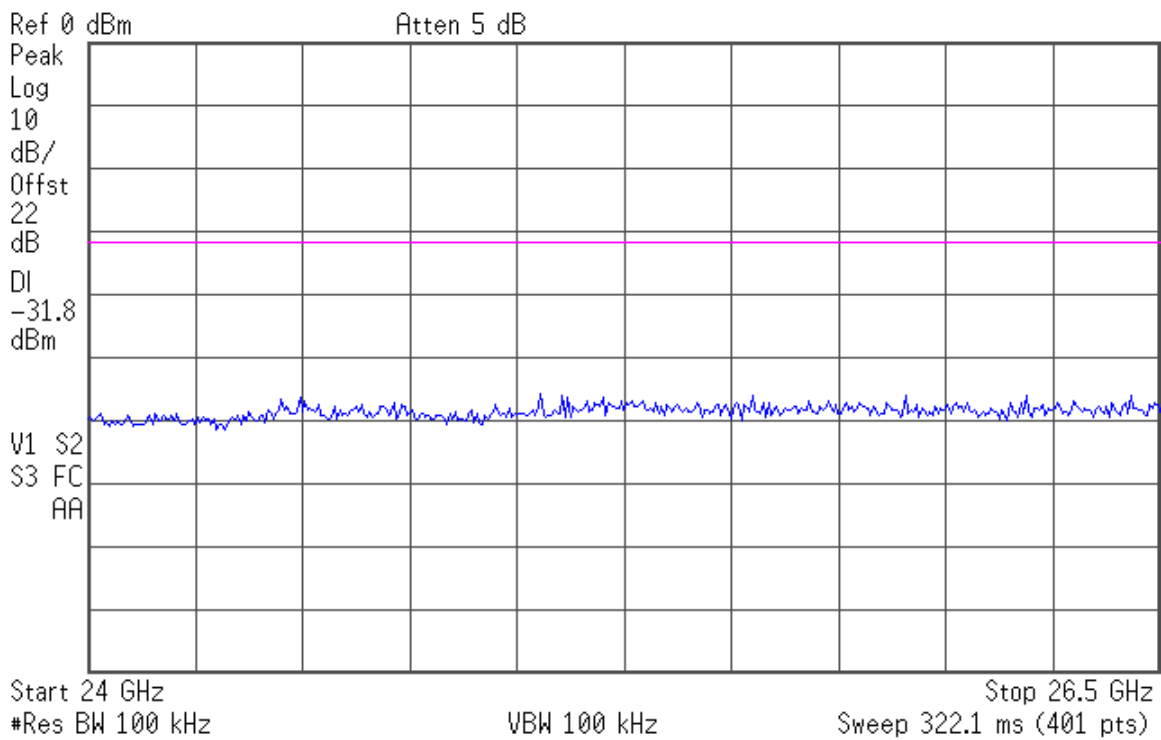



	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	Spurious Emissions (Conducted)	
DNB Job Number:	88066	Date:	11-24-2007
Customer:	Kyosho Corp. of America		15.247(c)
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Environmental conditions			
Ambient Temperature	Relative Humidity	Barometric Pressure	
22°C	33%	98.9kPa	
Channel	Freq. (MHz)	Pass/Fail	
2	2440	Pass	




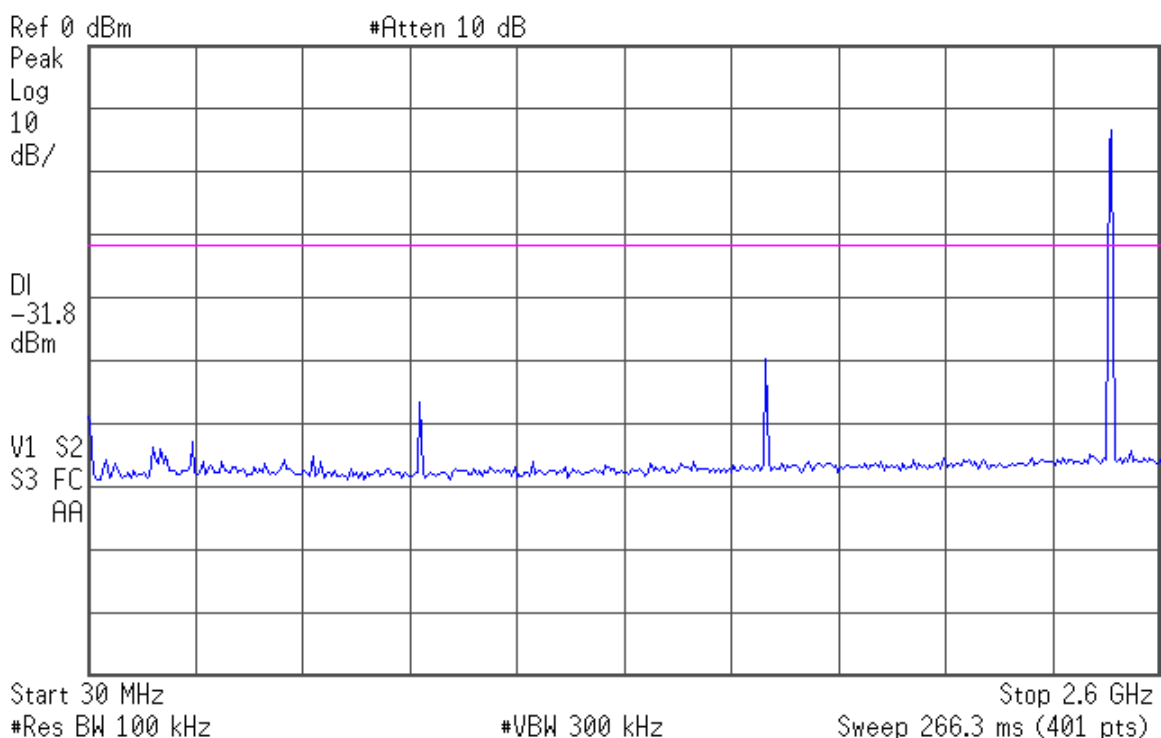
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Spurious Emissions</b> (Conducted)	
<b>DNB Job Number:</b>	88066	<b>Date:</b>	6-12-2008
<b>Customer:</b>	Kyosho Corp. of America		<b>15.247(c)</b>
<b>Model Number:</b>	KT-18	<b>Specification:</b>	
<b>Description:</b>	Remote Control Transmitter		
<b>Environmental conditions</b>			
<b>Ambient Temperature</b>	<b>Relative Humidity</b>	<b>Barometric Pressure</b>	
22°C	33%	98.9kPa	
<b>Channel</b>	<b>Freq. (MHz)</b>	<b>Pass/Fail</b>	
2	2440	Pass	


Agilent 14:56:49 Jun 12, 2008




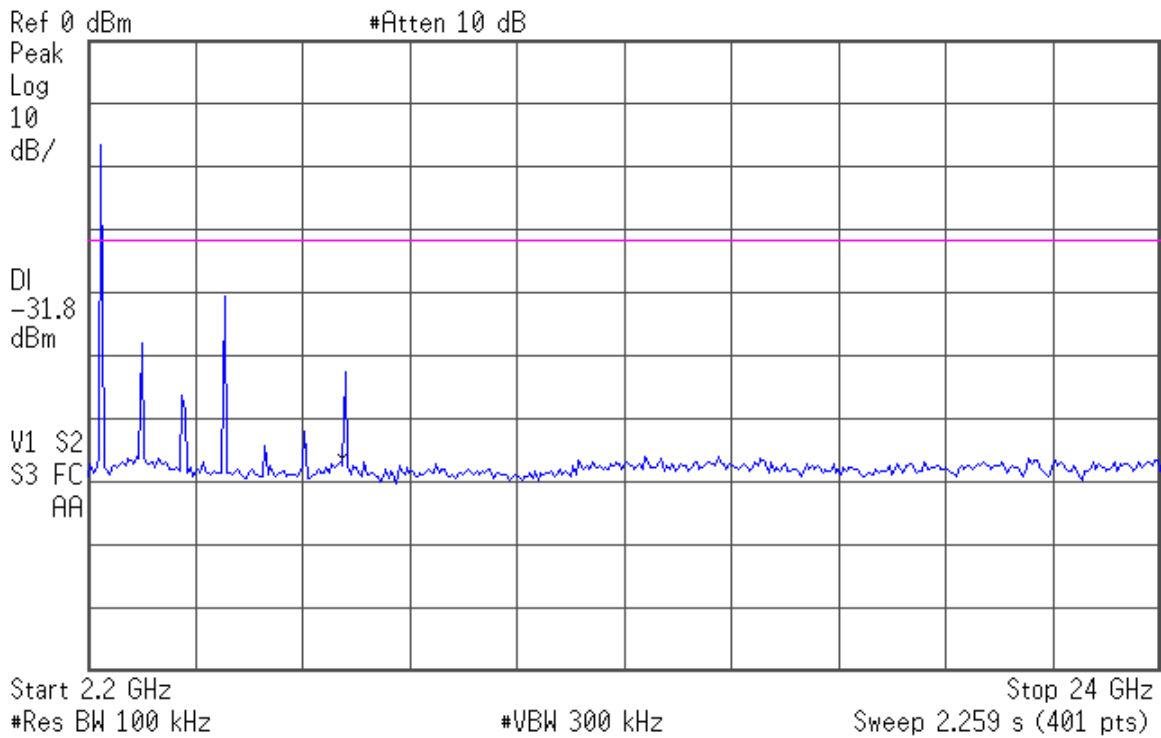
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Spurious Emissions</b> (Conducted)	
<b>DNB Job Number:</b>	88066	<b>Date:</b>	11-24-2007
<b>Customer:</b>	Kyosho Corp. of America		<b>15.247(c)</b>
<b>Model Number:</b>	KT-18	<b>Specification:</b>	
<b>Description:</b>	Remote Control Transmitter		
<b>Environmental conditions</b>			
<b>Ambient Temperature</b>	<b>Relative Humidity</b>	<b>Barometric Pressure</b>	
22°C	33%	98.9kPa	
<b>Channel</b>	<b>Freq. (MHz)</b>	<b>Pass/Fail</b>	
3	2480	Pass	


**Agilent** 11:24:46 Nov 24, 2007





	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Spurious Emissions</b> (Conducted)	
<b>DNB Job Number:</b>	88066	<b>Date:</b>	11-24-2007
<b>Customer:</b>	Kyosho Corp. of America		<b>15.247(c)</b>
<b>Model Number:</b>	KT-18	<b>Specification:</b>	
<b>Description:</b>	Remote Control Transmitter		
<b>Environmental conditions</b>			
<b>Ambient Temperature</b>	<b>Relative Humidity</b>	<b>Barometric Pressure</b>	
22°C	33%	98.9kPa	
<b>Channel</b>	<b>Freq. (MHz)</b>	<b>Pass/Fail</b>	
3	2480	Pass	

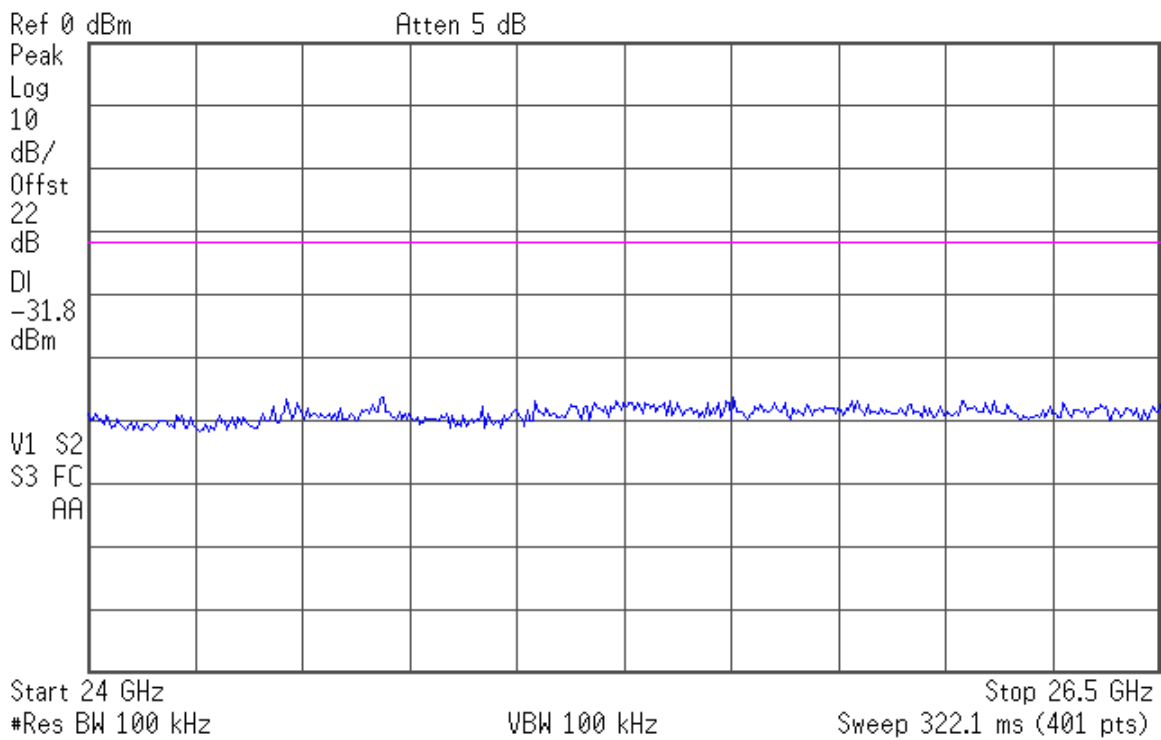

**Agilent** 11:22:21 Nov 24, 2007





	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	Spurious Emissions (Conducted)	
DNB Job Number:	88066	Date:	11-24-2007
Customer:	Kyosho Corp. of America		15.247(c)
Model Number:	KT-18	Specification:	
Description:	Remote Control Transmitter		
Environmental conditions			
Ambient Temperature	Relative Humidity	Barometric Pressure	
22°C	33%	98.9kPa	
Channel	Freq. (MHz)	Pass/Fail	
3	2480	Pass	


**Agilent** 14:57:17 Jun 12, 2008



### 15.247 (c) Band Edge Measurements

#### Procedure:

Use the following spectrum analyzer settings:

Span = Capture peak of low and high channel, as well as emissions outside band.

RBW > 1% of the span

VBW > RBW

Sweep = auto

Detector = peak


Trace = max hold

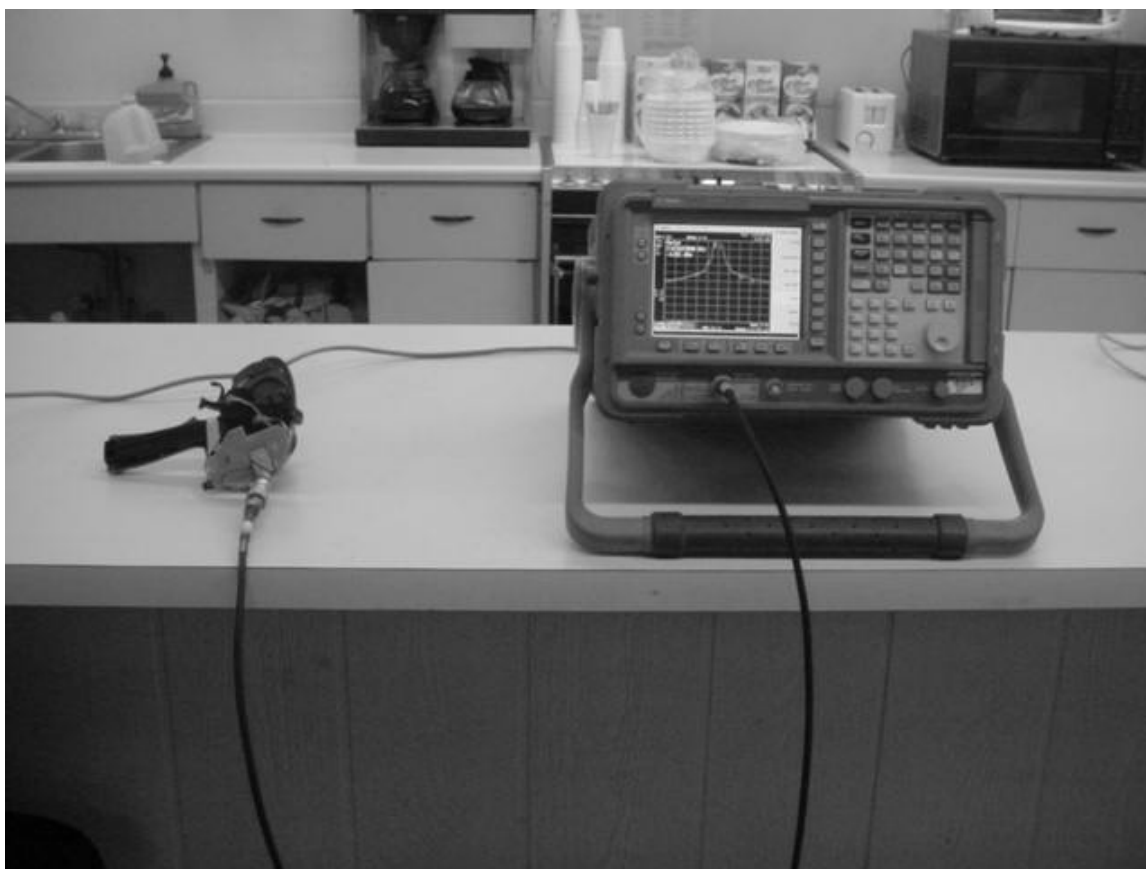
Allow trace to stabilize. Set the marker on the emission at the bandedge, or on the highest modulation product outside of the band. Enable the marker-delta function, then use the marker-to-peak function to move the marker to the peak of the in-band emission.


Requirement: The maximum out-of-band emissions shall not exceed 20dBc

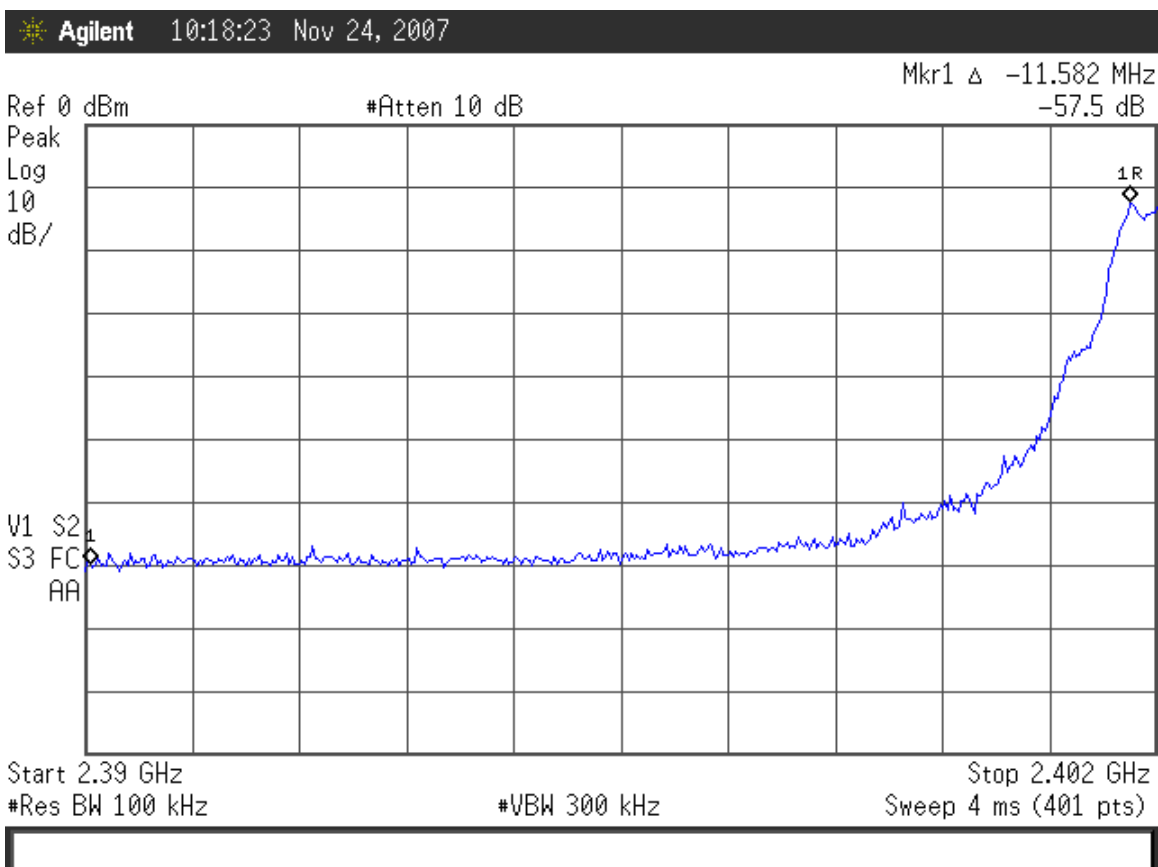
#### Test Setup:




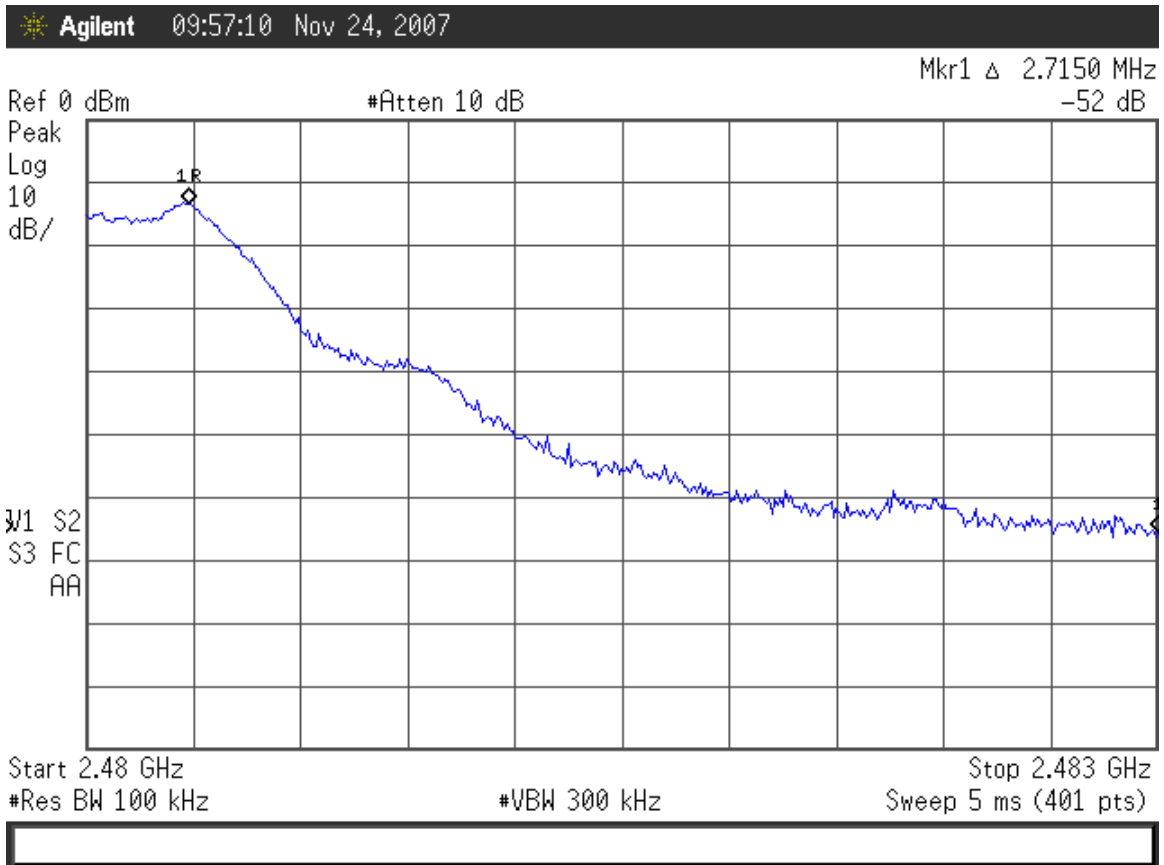
	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Band Edge Measurements</b> (Conducted)	
<b>DNB Job Number:</b>	88066	<b>Date:</b>	11-24-2007
<b>Customer:</b>	Kyosho Corp. of America		<b>15.247(c)</b>
<b>Model Number:</b>	KT-18	<b>Specification:</b>	
<b>Description:</b>	Remote Control Transmitter		
Photograph of Test Setup			



	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630		Band Edge Measurements (Conducted)	
DNB Job Number:	88066	Date:	11-24-2007	
Customer:	Kyosho Corp. of America			15.247(c)
Model Number:	KT-18	Specification:		
Description:	Remote Control Transmitter			
Environmental conditions				
Ambient Temperature		Relative Humidity		Barometric Pressure
23°C		27%		99.2kPa
Channel	Freq. (MHz)	Measured dBc	Minimum dBc	Pass/Fail
1	2402	-57.5	-20	Pass



		5969 Robinson Ave. Riverside, CA 92503 (951)637-2630		Band Edge Measurements (Conducted)	
DNB Job Number:		88066		Date:	11-24-2007
Customer:		Kyosho Corp. of America			15.247(c)
Model Number:		KT-18		Specification:	
Description:		Remote Control Transmitter			
Environmental conditions					
Ambient Temperature		Relative Humidity		Barometric Pressure	
23°C		27%		99.2kPa	
Channel	Freq. (MHz)	Measured dBc	Minimum dBc	Pass/Fail	
1	2402	-52.0	-20	Pass	



#### 15.247 (d) Peak Power Spectral Density


**Procedure:**

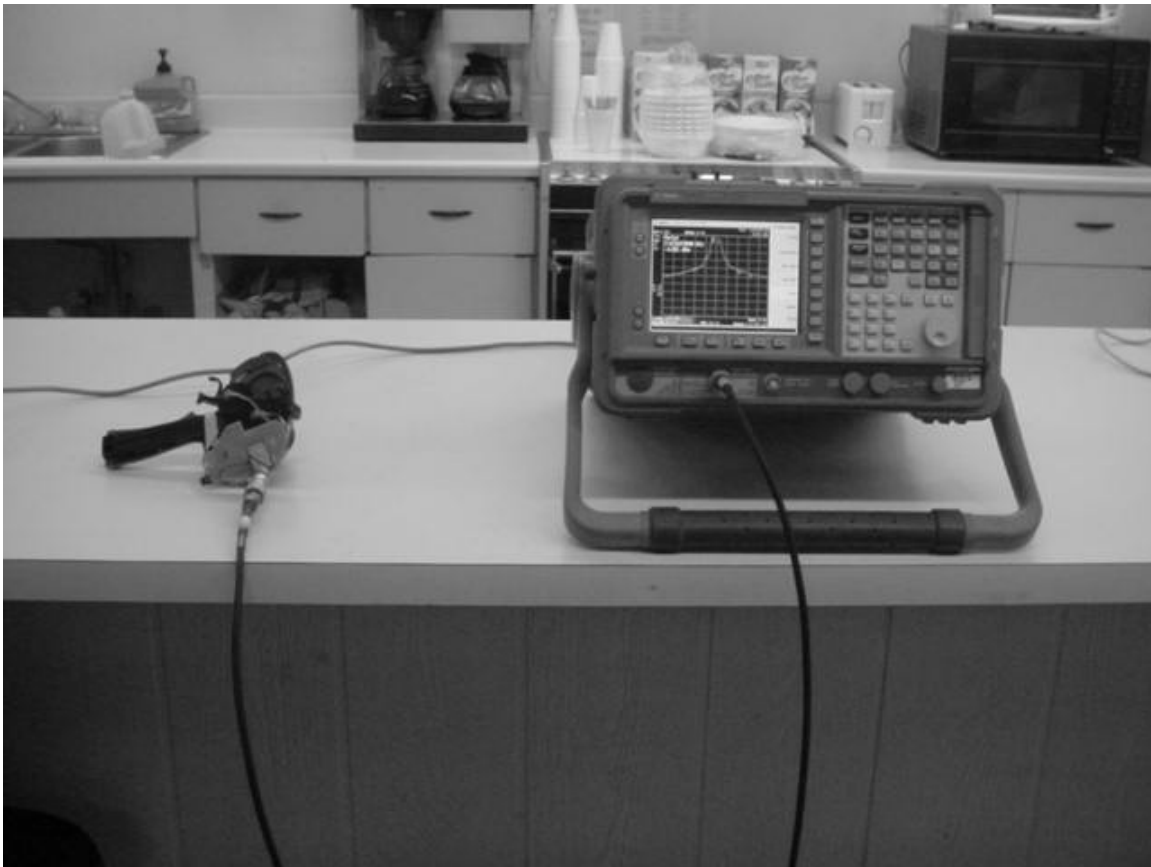
Locate and zoom in on emission peak(s) within the passband. Set  $RBW = 3\text{kHz}$ ,  $VBW > RBW$ ,  $\text{Sweep} = (\text{Span}/3\text{kHz})$ . The peak level measured must be no greater than +8dBm.


Requirement: The PPSD shall not exceed 8dBm

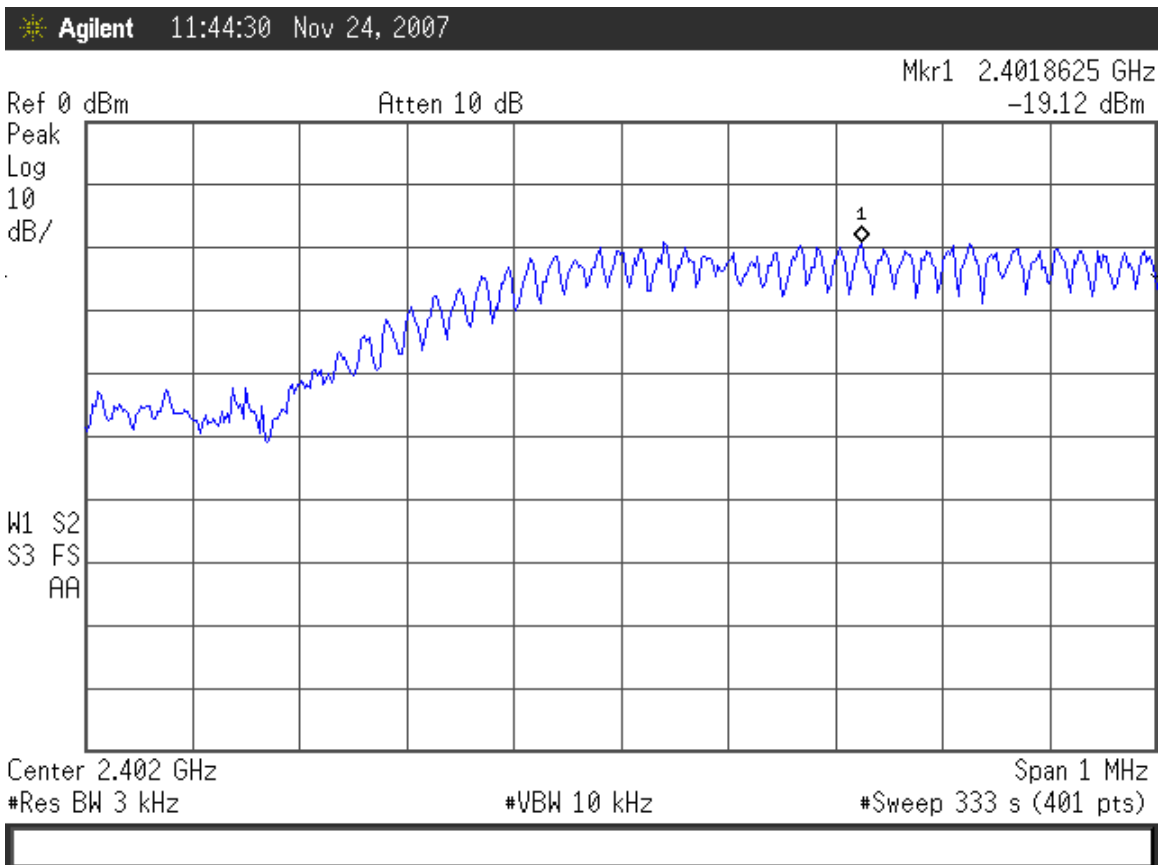
**Test Setup:**




	5969 Robinson Ave. Riverside, CA 92503 (951)637-2630	<b>Spectral Density</b> (Conducted)	
<b>DNB Job Number:</b>	88066	<b>Date:</b>	11-24-2007
<b>Customer:</b>	Kyosho Corp. of America		<b>15.247(d)</b>
<b>Model Number:</b>	KT-18	<b>Specification:</b>	
<b>Description:</b>	Remote Control Transmitter		
Photograph of Test Setup			

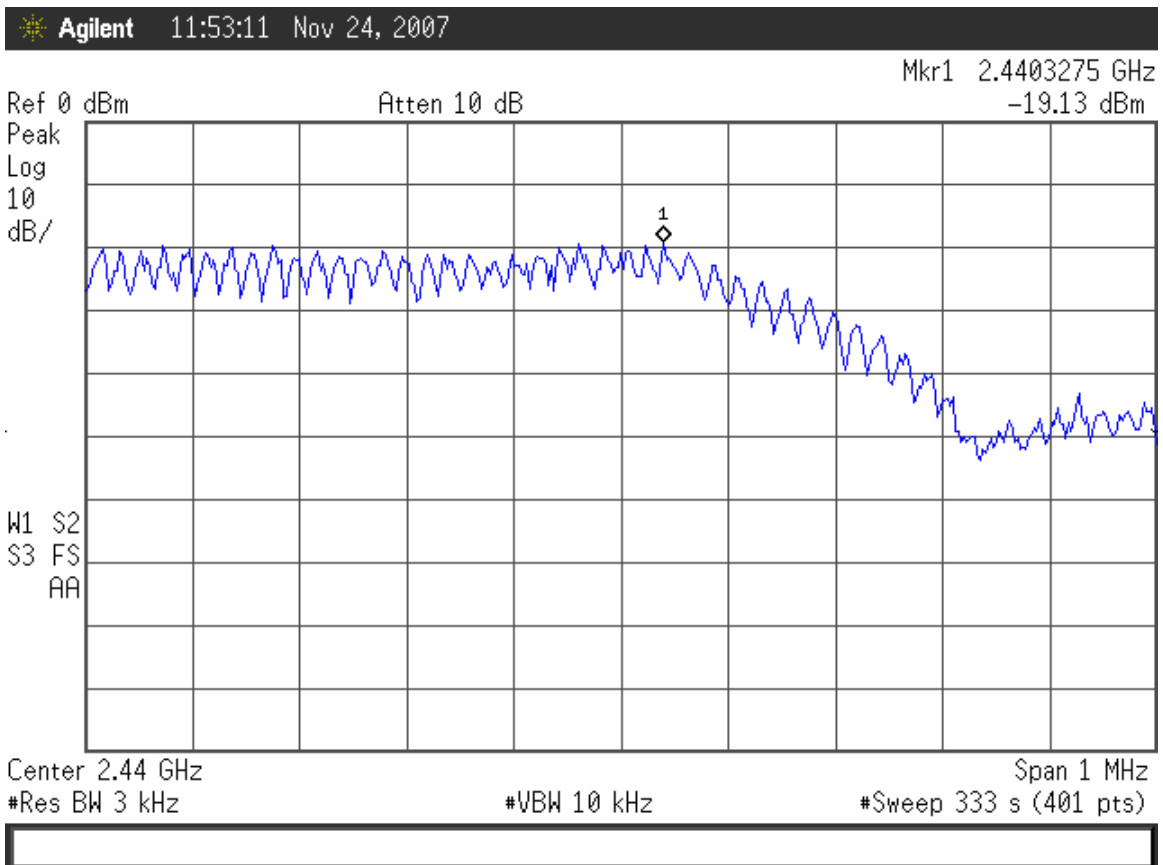



		5969 Robinson Ave. Riverside, CA 92503 (951)637-2630		Spectral Density (Conducted)	
DNB Job Number:		88066		Date:	11-24-2007
Customer:		Kyosho Corp. of America			15.247(d)
Model Number:		KT-18		Specification:	
Description:		Remote Control Transmitter			
Environmental conditions					
Ambient Temperature		Relative Humidity			Barometric Pressure
24°C		32%			99.5kPa
Channel	Freq. (MHz)	Peak Reading (dBm)	Limit (dBm)		Pass/Fail
1	2402	-19.12	8.0		Pass

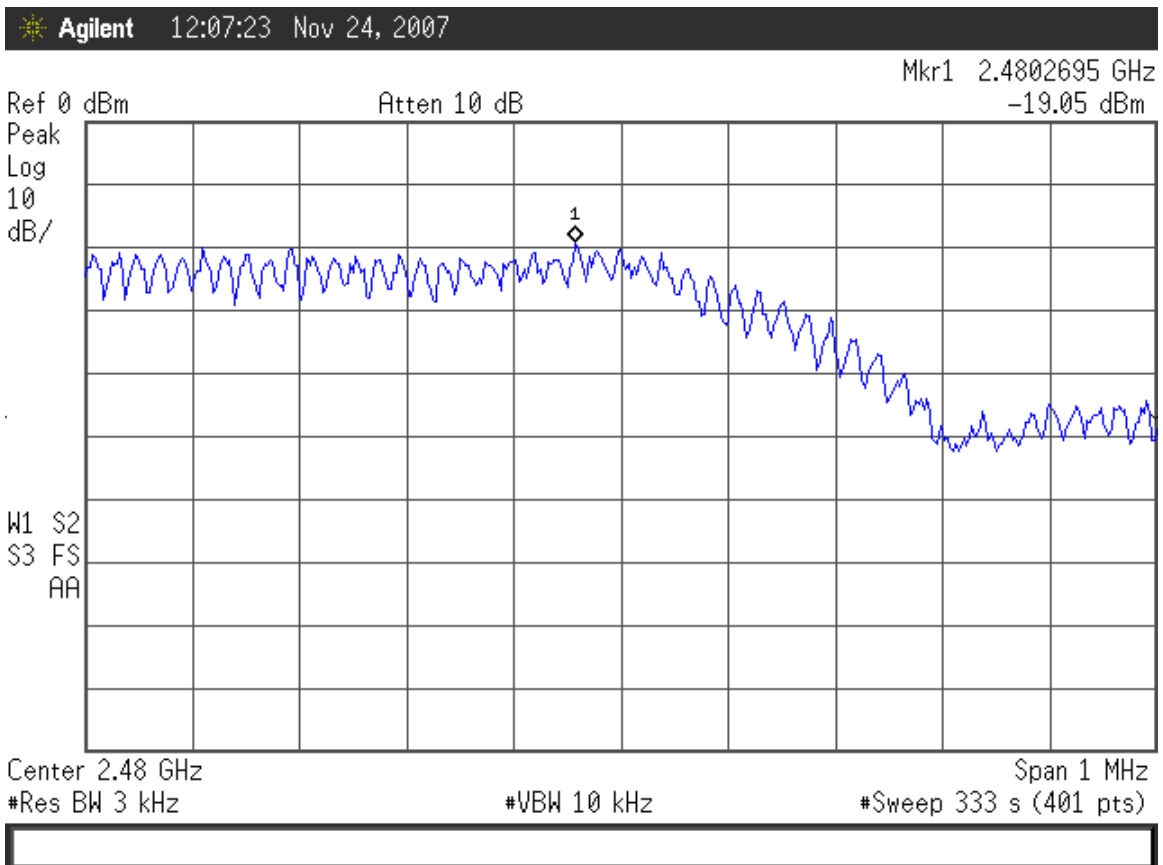




		5969 Robinson Ave. Riverside, CA 92503 (951)637-2630		Spectral Density (Conducted)	
DNB Job Number:		88066		Date:	11-24-2007
Customer:		Kyosho Corp. of America			15.247(d)
Model Number:		KT-18		Specification:	
Description:		Remote Control Transmitter			
Environmental conditions					
Ambient Temperature		Relative Humidity			Barometric Pressure
24°C		32%			99.5kPa
Channel	Freq. (MHz)	Peak Reading (dBm)	Limit (dBm)	Pass/Fail	
2	2440	-19.13	8.0	Pass	



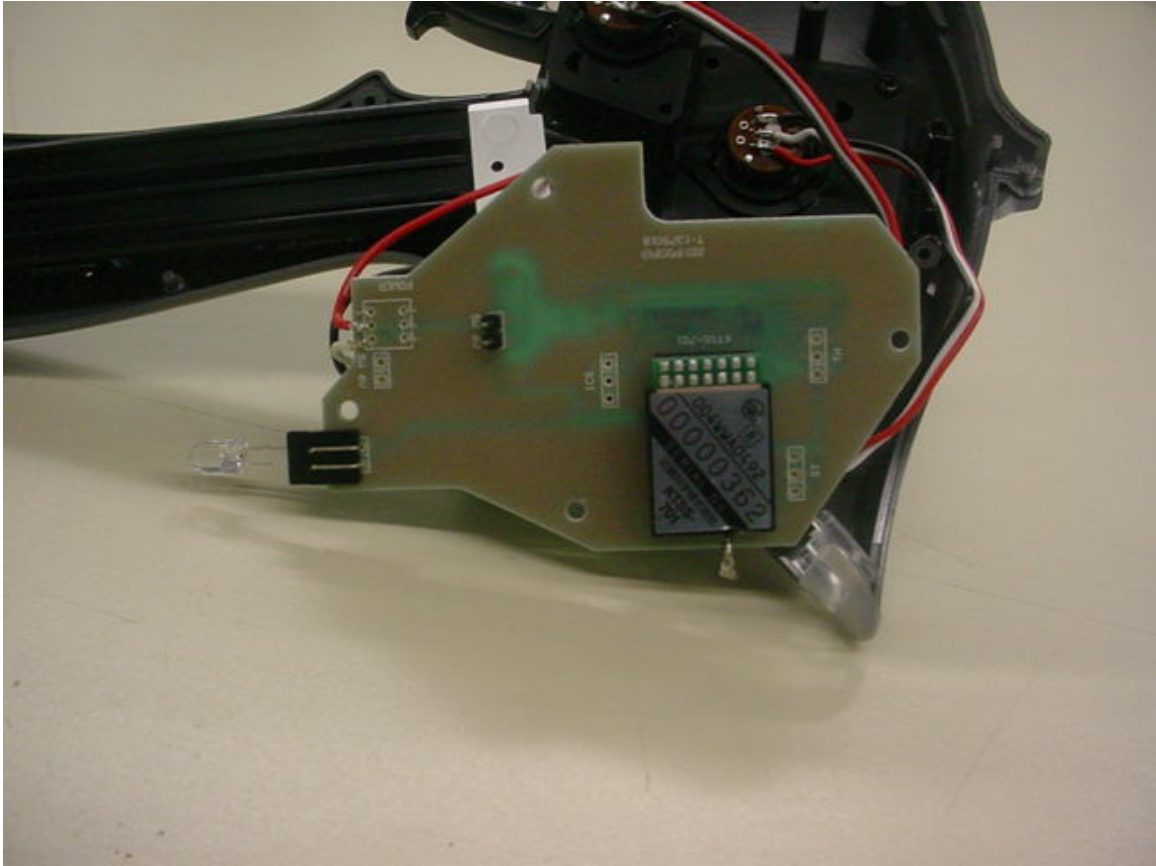
		5969 Robinson Ave. Riverside, CA 92503 (951)637-2630		Spectral Density (Conducted)	
DNB Job Number:		88066		Date:	11-24-2007
Customer:		Kyosho Corp. of America			15.247(d)
Model Number:		KT-18		Specification:	
Description:		Remote Control Transmitter			
Environmental conditions					
Ambient Temperature		Relative Humidity			Barometric Pressure
24°C		32%			99.5kPa
Channel	Freq. (MHz)	Peak Reading (dBm)	Limit (dBm)		Pass/Fail
3	2480	-19.05	8.0		Pass

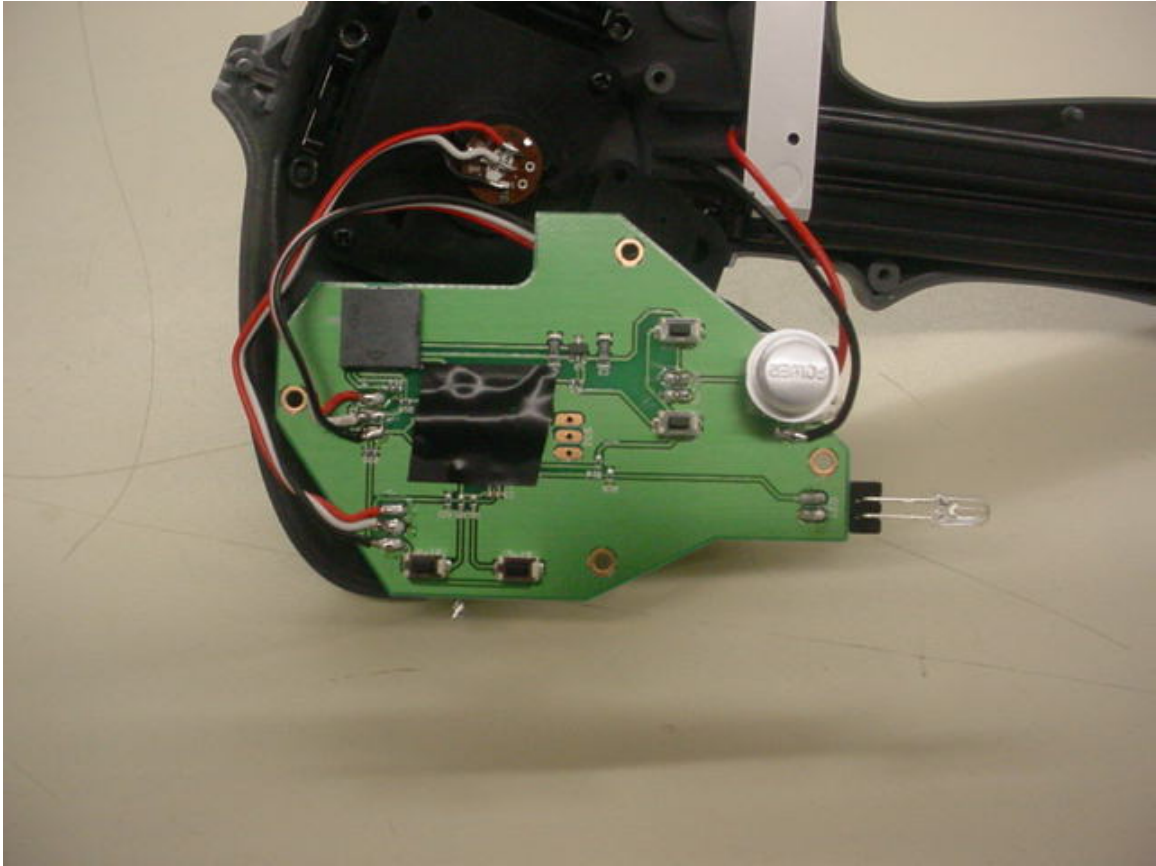


2.1033 (b) (7) Equipment Photographs









End Of Report