FCC CERTIFICATION
On Behalf of
KOBIAN CANADA INC.

Hipstreet FM Transmitter
Model No.: HS-FMT172LCD

FCC ID: YH5-HSFMT172

Prepared for	:	KOBIAN CANADA INC.
Address	:	560 Denison Street, Unit#5, Markham, Ontario L3R 2M8, Canada
Prepared by	:	Accurate Technology Co., Ltd.
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Report Number	:	ATE20122589
Date of Test	:	Nov 13- 21, 2012
Date of Report	:	Nov 21, 2012

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APPENDIX I (TEST CURVES) (9 pages)

Test Report Certification

Applicant	:	KOBIAN CANADA INC.
Manufacturer	:	KOBIAN CANADA INC.
EUT Description	:	Hipstreet FM Transmitter
		(A) MODEL No.: HS-FMT172LCD
		(B) Brand Name: Hipstreet
		(C) Power Supply: DC 12V

Measurement Procedure Used:

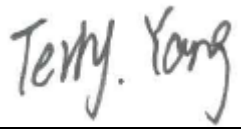
FCC Rules and Regulations Part 15 Subpart C Section 15.239
ANSI 63.4: 2009

The device described above is tested by ACCURATE TECHNOLOGY CO. LTD to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart C Section15.239 limits. The measurement results are contained in this test report and ACCURATE TECHNOLOGY CO. LTD is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of ACCURATE TECHNOLOGY CO. LTD.

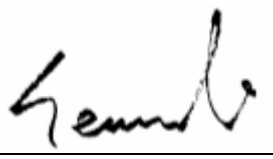
Date of Test : Nov 13-21, 2012

Prepared by :



(Engineer)

Approved & Authorized Signer :



(Manager)

1. GENERAL INFORMATION

1.1.Description of Device (EUT)

EUT	:	Hipstreet FM Transmitter
Model Number	:	HS-FMT172LCD
Brand Name	:	Hipstreet
Power Supply	:	DC 12V
Operate Frequency	:	88.1-107.9MHz (step 0.2MHz)
Applicant	:	KOBIAN CANADA INC.
Address	:	560 Denison Street, Unit#5, Markham, Ontario L3R 2M8, Canada
Manufacturer	:	KOBIAN CANADA INC.
Address	:	560 Denison Street, Unit#5, Markham, Ontario L3R 2M8, Canada
Date of sample received	:	Nov 13, 2012
Date of Test	:	Nov 13-21, 2012

1.2.Description of Test Facility

EMC Lab	:	Accredited by TUV Rheinland Shenzhen Listed by FCC The Registration Number is 752051 Listed by Industry Canada The Registration Number is 5077A-2 Accredited by China National Accreditation Committee for Laboratories The Certificate Registration Number is L3193
Name of Firm	:	ACCURATE TECHNOLOGY CO. LTD
Site Location	:	F1, Bldg. A, Changyuan New Material Port, Keyuan Rd. Science & Industry Park, Nanshan, Shenzhen, Guangdong P.R. China

1.3.Measurement Uncertainty

Conducted Emission Expanded Uncertainty	=	2.23dB, k=2
Radiated emission expanded uncertainty (9kHz-30MHz)	=	3.08dB, k=2
Radiated emission expanded uncertainty (30MHz-1000MHz)	=	4.42dB, k=2
Radiated emission expanded uncertainty (Above 1GHz)	=	4.06dB, k=2

2. MEASURING DEVICE AND TEST EQUIPMENT

Table 1: List of Test and Measurement Equipment

Kind of equipment	Manufacturer	Type	S/N	Calibrated until
EMI Test Receiver	Rohde&Schwarz	ESCS30	100307	Jan. 15, 2012
EMI Test Receiver	Rohde&Schwarz	ESPI3	101526/003	Jan. 15, 2012
Spectrum Analyzer	Agilent	E7405A	MY45115511	Jan. 15, 2012
Pre-Amplifier	Rohde&Schwarz	CBLU1183540-01	3791	Jan. 15, 2012
Loop Antenna	Schwarzbeck	FMZB1516	1516131	Jan. 15, 2012
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	Jan. 15, 2012
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	Jan. 15, 2012
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	Jan. 15, 2012
LISN	Rohde&Schwarz	ESH3-Z5	100305	Jan. 15, 2012
LISN	Schwarzbeck	NSLK8126	8126431	Jan. 15, 2012
iPod	Apple	A1238	8K039T1Y9ZU	----
Battery	CSB	F2	HR1234W	----

3. SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
Section 15.207	Conducted Emission	N/A
Section 15.239(c) Section 15.209	Harmonics and Spurious Radiated Emission	Compliant
Section 15.239(b)	Fundamental Radiated Emission	Compliant
Section 15.239(a)	Occupied Bandwidth	Compliant
Section 15.239	Tuning Range	Compliant

Remark: “N/A” means “Not applicable”.

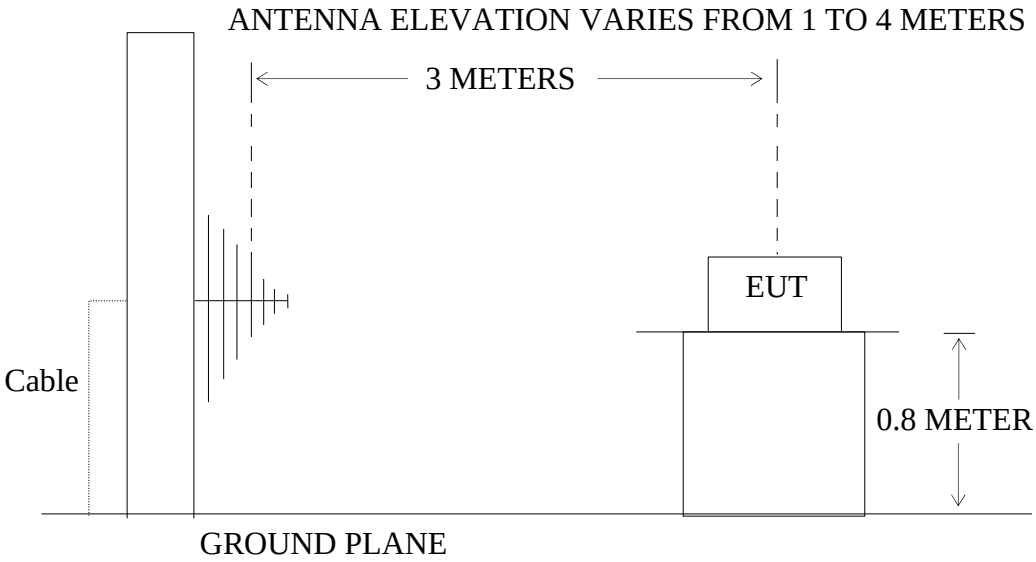
4. HARMONICS AND SPURIOUS RADIATED EMISSION FOR FCC PART 15 SECTION 15.239(C)

4.1.Block Diagram of Test Setup

4.1.1.Block diagram of connection between the EUT and simulators

(EUT: Hipstreet FM Transmitter)

4.1.2.Semi-Anechoic Chamber Test Setup Diagram



(EUT: Hipstreet FM Transmitter)

4.2.The Emission Limit for section 15.239(c)

4.2.1. The field strength of any emissions radiated on any frequency outside of the specified 200 kHz band shall not exceed the general radiated emission limits in Section 15.209.

Radiation Emission Measurement Limits According to Section 15.209

Frequency (MHz)	Limit,		
	Field Strength of Quasi-peak Value (microvolts/m)	Field Strength of Quasi-peak Value (dBμV/m)	The final measurement in band 9-90kHz, 110-490kHz and above 1000MHz is performed with Average detector. Except those frequency bands mention above, the final measurement for frequencies below 1000MHz is performed with Quasi Peak detector.
30 - 88	100	40	
88 - 216	150	43.5	
216 - 960	200	46	
Above 960	500	54	

4.3.Configuration of EUT on Measurement

The following equipment are installed on Radiated Emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

4.3.1.Hipstreet FM Transmitter (EUT)

Model Number : HS-FMT172LCD
Serial Number : N/A
Manufacturer : KOBIAN CANADA INC.

4.4. Operating Condition of EUT

4.4.1. Setup the EUT and simulator as shown as Section 4.1.

4.4.2. Turn on the power of all equipment.

4.4.3. Let the EUT work in TX modes [Connect EUT use Auxiliary Equipment (iPod , USB memory disk and SD card) playing typical audio signal with a 2.5 kHz tone at a level 16 dB higher than that required to produce a frequency deviation of 75 kHz] measure it. The transmit frequency are 88.1-107.9MHz. We are select 88.1M, 98.1M, 107.9MHz TX frequency to transmit.

4.5. Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4: 2009 on radiated emission measurement.

The bandwidth of test receiver is set at 120 kHz in 30-1000MHz.

The frequency range from 30MHz to 1000MHz is checked.

The final measurement for frequencies below 1000MHz is performed with Quasi Peak detector.

4.6. The Field Strength of Radiation Emission Measurement Results

PASS.

The frequency range 30MHz to 1000MHz is investigated.

Date of Test:	Nov 17, 2012	Temperature:	25°C
EUT:	Hipstreet FM Transmitter	Humidity:	50%
Model No.:	HS-FMT172LCD	Power Supply:	DC 12V
Test Mode:	TX 88.1MHz with Line in	Test Engineer:	Allen

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.(dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	298.5932	20.98	16.74	37.72	46.00	-8.28
Horizontal	336.5932	19.02	17.91	36.93	46.00	-9.07
Vertical	166.6382	23.84	12.41	36.25	43.50	-7.25
Vertical	312.5482	22.80	17.13	39.93	43.50	-6.07

Bandedge

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.(dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	87.6931	20.21	13.72	33.93	40.00	-6.07
Horizontal	87.8000	16.35	13.72	30.07	40.00	-9.93
Vertical	87.6812	12.83	13.72	26.55	40.00	-13.45
Vertical	87.8000	6.21	13.72	19.93	40.00	-20.07

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:
   Result = Reading + Corrected Factor
   Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss – Amplifier Gain

3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	Nov 17, 2012	Temperature:	25°C
EUT:	Hipstreet FM Transmitter	Humidity:	50%
Model No.:	HS-FMT172LCD	Power Supply:	DC 12V
Test Mode:	TX 98.1MHz with Line in	Test Engineer:	Allen

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.(dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	292.3643	21.20	16.60	37.80	46.00	-8.20
Horizontal	336.4816	20.10	17.91	38.01	46.00	-7.99
Vertical	366.0865	20.87	18.60	39.47	46.00	-6.53
Vertical	617.9415	16.01	23.83	39.84	46.00	-6.16

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:
   Result = Reading + Corrected Factor
   Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss – Amplifier Gain

3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	Nov 17, 2012	Temperature:	25°C
EUT:	Hipstreet FM Transmitter	Humidity:	50%
Model No.:	HS-FMT172LCD	Power Supply:	DC 12V
Test Mode:	TX 107.9MHz with Line in	Test Engineer:	Allen

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.(dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	298.5932	20.48	16.74	37.22	46.00	-8.78
Horizontal	617.9415	15.09	23.83	38.92	46.00	-7.08
Vertical	377.8480	21.80	18.80	40.60	46.00	-5.40
Vertical	520.2078	17.10	22.80	39.18	46.00	-6.82

Bandedge

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.(dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	108.2000	12.64	26.59	26.59	43.50	-16.91
Horizontal	108.3144	15.32	29.27	29.27	43.50	-14.23
Vertical	108.2000	10.84	13.95	24.79	43.50	-18.71
Vertical	108.7376	13.68	13.96	27.64	43.50	-15.86

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:
   Result = Reading + Corrected Factor
   Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss – Amplifier Gain

3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	Nov 17, 2012	Temperature:	25°C
EUT:	Hipstreet FM Transmitter	Humidity:	50%
Model No.:	HS-FMT172LCD	Power Supply:	DC 12V
Test Mode:	TX 88.1MHz with SD Card	Test Engineer:	Allen

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.(dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	260.3566	21.35	15.52	36.87	46.00	-9.13
Horizontal	827.1793	11.58	27.20	38.78	46.00	-7.22
Vertical	260.3566	19.25	15.52	34.77	46.00	-11.23
Vertical	298.5932	21.36	16.74	38.10	46.00	-7.90

Bandedge

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.(dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	87.2309	15.32	13.70	29.02	40.00	-10.98
Horizontal	87.8050	9.69	13.72	23.41	40.00	-16.59
Vertical	87.6890	16.32	13.72	30.04	40.00	-9.96
Vertical	87.8000	12.01	13.72	25.73	40.00	-14.27

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:
   Result = Reading + Corrected Factor
   Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss – Amplifier Gain

3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	Nov 17, 2012	Temperature:	25°C
EUT:	Hipstreet FM Transmitter	Humidity:	50%
Model No.:	HS-FMT172LCD	Power Supply:	DC 12V
Test Mode:	TX 98.1MHz with SD Card	Test Engineer:	Allen

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.(dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	167.2248	21.27	12.50	33.77	43.50	-9.73
Horizontal	312.5482	20.35	17.13	37.48	46.00	-8.52
Vertical	166.6383	21.61	12.41	34.02	43.50	-9.48
Vertical	322.5896	21.24	17.45	38.69	46.00	-7.31

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:
   Result = Reading + Corrected Factor
   Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss – Amplifier Gain

3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	Nov 17, 2012	Temperature:	25°C
EUT:	Hipstreet FM Transmitter	Humidity:	50%
Model No.:	HS-FMT172LCD	Power Supply:	DC 12V
Test Mode:	TX 107.9MHz with SD Card	Test Engineer:	Allen

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.(dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	167.2249	24.23	12.50	36.73	43.50	-6.77
Horizontal	322.5896	21.98	17.45	39.43	46.00	-6.57
Vertical	336.4816	20.23	17.91	38.14	46.00	-7.86
Vertical	509.3559	17.98	21.83	39.81	46.00	-6.19

Bandedge

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.(dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	108.2000	8.36	13.95	22.31	43.50	-21.19
Horizontal	108.6851	20.57	13.95	34.53	43.50	-8.97
Vertical	108.2000	6.65	13.95	20.60	43.50	-22.90
Vertical	108.7052	14.24	13.96	28.20	43.50	-15.30

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:
   Result = Reading + Corrected Factor
   Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss – Amplifier Gain

3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	Nov 17, 2012	Temperature:	25°C
EUT:	Hipstreet FM Transmitter	Humidity:	50%
Model No.:	HS-FMT172LCD	Power Supply:	DC 12V
Test Mode:	TX 88.1MHz with USB Port	Test Engineer:	Allen

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.(dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	298.5932	20.31	16.74	37.05	46.00	-8.95
Horizontal	827.1793	11.50	27.20	38.70	46.00	-7.30
Vertical	298.5932	21.24	16.74	37.98	46.00	-8.02
Vertical	336.4816	20.95	17.91	38.86	46.00	-7.14

Bandedge

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.(dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	87.7249	18.69	13.72	32.41	40.00	-7.59
Horizontal	87.8000	12.98	13.72	26.70	40.00	-13.30
Vertical	87.7172	17.00	13.72	30.72	40.00	-9.28
Vertical	87.8000	11.57	13.72	25.29	40.00	-14.71

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:
   Result = Reading + Corrected Factor
   Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss – Amplifier Gain

3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	Nov 17, 2012	Temperature:	25°C
EUT:	Hipstreet FM Transmitter	Humidity:	50%
Model No.:	HS-FMT172LCD	Power Supply:	DC 12V
Test Mode:	TX 98.1MHz with USB Port	Test Engineer:	Allen

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.(dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	292.3643	20.25	16.60	36.85	46.00	-9.15
Horizontal	696.3523	13.21	24.82	38.03	46.00	-7.97
Vertical	167.2248	21.36	12.50	33.86	43.50	-9.64
Vertical	478.1394	17.36	20.96	38.32	46.00	-7.68

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:
   Result = Reading + Corrected Factor
   Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss – Amplifier Gain

3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	Nov 17, 2012	Temperature:	25°C
EUT:	Hipstreet FM Transmitter	Humidity:	50%
Model No.:	HS-FMT172LCD	Power Supply:	DC 12V
Test Mode:	TX 107.9MHz with USB Port	Test Engineer:	Allen

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.(dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	298.5932	20.68	16.74	37.42	46.00	-8.58
Horizontal	716.2038	15.30	25.16	40.46	46.00	-5.54
Vertical	377.8480	20.68	18.80	39.48	46.00	-6.52
Vertical	520.2078	17.04	22.08	39.12	46.00	-6.88

Bandedge

Polarization	Frequency (MHz)	Reading(dBμV/m) QP	Factor Corr.(dB)	Result(dBμV/m) QP	Limits(dBμV/m) QP	Margin(dB) QP
Horizontal	108.2000	11.68	13.95	25.63	43.50	-17.87
Horizontal	108.6932	16.87	13.96	30.83	43.50	-12.67
Vertical	108.2021	7.05	13.95	21.00	43.50	-22.50
Vertical	108.6971	17.36	13.95	31.32	43.50	-12.18

Note:

1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:
   Result = Reading + Corrected Factor
   Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss – Amplifier Gain

3. The spectral diagrams in appendix I display the measurement of peak values.

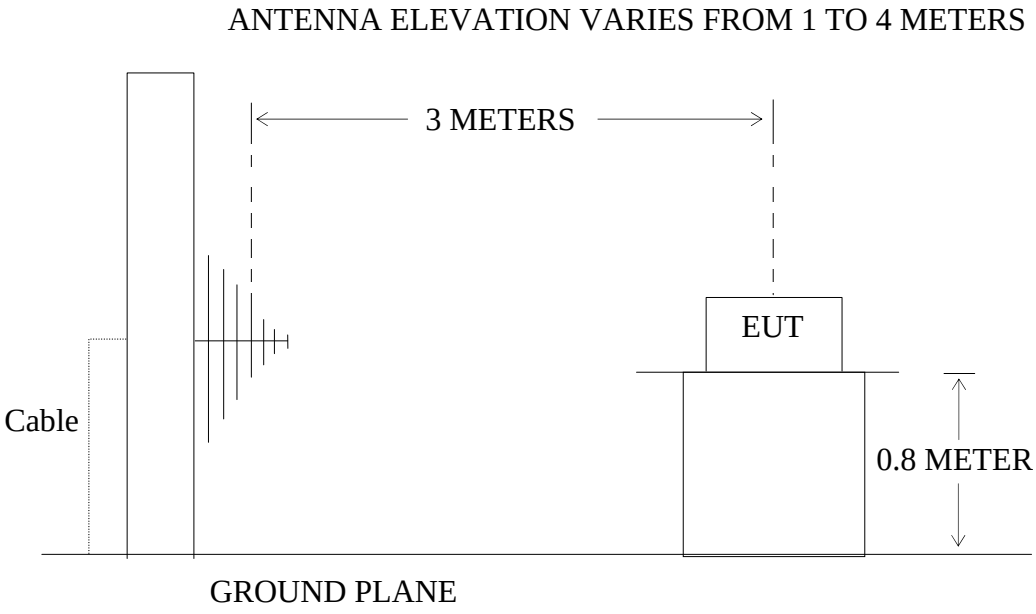
5. FUNDAMENTAL RADIATED EMISSION FOR FCC PART 15 SECTION 15.239(B)

5.1.Block Diagram of Test Setup

5.1.1.Block diagram of connection between the EUT and simulators

(EUT: Hipstreet FM Transmitter)

5.1.2.Semi-Anechoic Chamber Test Setup Diagram



(EUT: Hipstreet FM Transmitter)

5.2.The Emission Limit For Section 15.239(b)

5.2.1.The field strength of any emission within the permitted 200kHz band shall not exceed 250microvolts/meter at 3 meters. The emission limit in this paragraph is based on measurement instrumentation employing an average detector. The provisions in section 15.35 for limiting peak emissions apply.

5.3. EUT Configuration on Measurement

The following equipment are installed on the emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

5.3.1. Hipstreet FM Transmitter (EUT)

Model Number	:	HS-FMT172LCD
Serial Number	:	N/A
Manufacturer	:	KOBIAN CANADA INC.

5.4. Operating Condition of EUT

5.4.1. Setup the EUT and simulator as shown as Section 5.1.

5.4.2. Turn on the power of all equipment.

5.4.3. Let the EUT work in TX modes [Connect EUT use Auxiliary Equipment (iPod , USB memory disk and SD card) playing typical audio signal with a 2.5 kHz tone at a level 16 dB higher than that required to produce a frequency deviation of 75 kHz] measure it. The transmit frequency are 88.1-107.9MHz. We are select 88.1M, 98.1M, 107.9MHz TX frequency to transmit.

5.5. Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the interface cables must be manipulated according to ANSI C63.4: 2009 on radiated emission measurement.

The bandwidth of test receiver is set at 300 kHz.

5.6.The Emission Measurement Result

PASS.

Date of Test:	Nov 17, 2012	Temperature:	25°C
EUT:	Hipstreet FM Transmitter	Humidity:	50%
Model No.:	HS-FMT172LCD	Power Supply:	DC 12V
Test Mode:	TX 88.1MHz with Line in	Test Engineer:	Allen

Fundamental Radiated Emissions

Frequency (MHz)	Reading(dBμV/m)		Factor (dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin (dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
88.1000	24.88	25.45	13.75	38.63	39.20	48	68	-9.37	-28.80	Horizontal
88.1000	24.69	25.72	13.75	38.44	39.47	48	68	-9.56	-28.53	Vertical

Note:

1. Measurement was performed with modulated signal with average detector and peak detector.

2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:
   Result = Reading + Corrected Factor
   Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss – Amplifier Gain

3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	Nov 17, 2012	Temperature:	25°C
EUT:	Hipstreet FM Transmitter	Humidity:	50%
Model No.:	HS-FMT172LCD	Power Supply:	DC 12V
Test Mode:	TX 98.1MHz with Line in	Test Engineer:	Allen

Fundamental Radiated Emissions

Frequency (MHz)	Reading(dBμV/m)		Factor (dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin (dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
98.1000	24.01	25.13	14.52	38.53	39.65	48	68	-9.47	-28.35	Horizontal
98.1000	23.89	24.72	14.52	38.41	39.24	48	68	-9.59	-28.76	Vertical

Note:

1. Measurement was performed with modulated signal with average detector and peak detector.

2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:
   Result = Reading + Corrected Factor
   Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss – Amplifier Gain

3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	Nov 17, 2012	Temperature:	25°C
EUT:	Hipstreet FM Transmitter	Humidity:	50%
Model No.:	HS-FMT172LCD	Power Supply:	DC 12V
Test Mode:	TX 107.9MHz with Line in	Test Engineer:	Allen

Fundamental Radiated Emissions

Frequency (MHz)	Reading(dBμV/m)		Factor (dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin (dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
107.9000	24.84	25.93	13.95	38.79	39.88	48	68	-9.21	-28.12	Horizontal
107.9000	25.15	26.25	13.95	39.10	40.20	48	68	-8.90	-27.80	Vertical

Note:

1. Measurement was performed with modulated signal with average detector and peak detector.

2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:
   Result = Reading + Corrected Factor
   Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss – Amplifier Gain

3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	Nov 17, 2012	Temperature:	25°C
EUT:	Hipstreet FM Transmitter	Humidity:	50%
Model No.:	HS-FMT172LCD	Power Supply:	DC 12V
Test Mode:	TX 88.1MHz with SD Card	Test Engineer:	Allen

Fundamental Radiated Emissions

Frequency (MHz)	Reading(dBμV/m)		Factor (dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin (dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
88.1000	25.61	26.95	13.75	39.36	40.70	48	68	-8.64	-27.30	Horizontal
88.1000	24.69	25.87	13.75	38.44	39.62	48	68	-9.56	-28.38	Vertical

Note:

1. Measurement was performed with modulated signal with average detector and peak detector.

2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:
   Result = Reading + Corrected Factor
   Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss – Amplifier Gain

3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	Nov 17, 2012	Temperature:	25°C
EUT:	Hipstreet FM Transmitter	Humidity:	50%
Model No.:	HS-FMT172LCD	Power Supply:	DC 12V
Test Mode:	TX 98.1MHz with SD Card	Test Engineer:	Allen

Fundamental Radiated Emissions

Frequency (MHz)	Reading(dBμV/m)		Factor (dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin (dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
98.1000	26.01	27.13	14.52	40.53	41.65	48	68	-7.47	-26.35	Horizontal
98.1000	25.01	26.72	14.52	39.53	41.24	48	68	-8.47	-26.76	Vertical

Note:

1. Measurement was performed with modulated signal with average detector and peak detector.

2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:
   Result = Reading + Corrected Factor
   Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss – Amplifier Gain

3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	Nov 17, 2012	Temperature:	25°C
EUT:	Hipstreet FM Transmitter	Humidity:	50%
Model No.:	HS-FMT172LCD	Power Supply:	DC 12V
Test Mode:	TX 107.9MHz SD Card	Test Engineer:	Allen

Fundamental Radiated Emissions

Frequency (MHz)	Reading(dBμV/m)		Factor (dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin (dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
107.9000	25.21	26.43	13.95	39.16	40.38	48	68	-8.84	-27.62	Horizontal
107.9000	26.01	27.25	13.95	39.96	41.20	48	68	-8.04	-26.80	Vertical

Note:

1. Measurement was performed with modulated signal with average detector and peak detector.

2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:
   Result = Reading + Corrected Factor
   Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss – Amplifier Gain

3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	Nov 17, 2012	Temperature:	25°C
EUT:	Hipstreet FM Transmitter	Humidity:	50%
Model No.:	HS-FMT172LCD	Power Supply:	DC 12V
Test Mode:	TX 88.1MHz with USB Port	Test Engineer:	Allen

Fundamental Radiated Emissions

Frequency (MHz)	Reading(dBμV/m)		Factor (dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin (dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
88.1000	22.89	23.95	13.75	36.64	37.70	48	68	-11.36	-30.30	Horizontal
88.1000	20.95	25.72	13.75	37.95	39.47	48	68	-10.05	-30.53	Vertical

Note:

1. Measurement was performed with modulated signal with average detector and peak detector.

2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:
   Result = Reading + Corrected Factor
   Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss – Amplifier Gain

3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	Nov 17, 2012	Temperature:	25°C
EUT:	Hipstreet FM Transmitter	Humidity:	50%
Model No.:	HS-FMT172LCD	Power Supply:	DC 12V
Test Mode:	TX 98.1MHz with USB Port	Test Engineer:	Allen

Fundamental Radiated Emissions

Frequency (MHz)	Reading(dBμV/m)		Factor (dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin (dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
98.1000	23.01	24.13	14.52	37.53	38.65	48	68	-10.47	-29.35	Horizontal
98.1000	23.28	24.72	14.52	37.80	39.24	48	68	-5.70	-28.7	Vertical

Note:

1. Measurement was performed with modulated signal with average detector and peak detector.

2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:
   Result = Reading + Corrected Factor
   Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss – Amplifier Gain

3. The spectral diagrams in appendix I display the measurement of peak values.

Date of Test:	Nov 17, 2012	Temperature:	25°C
EUT:	Hipstreet FM Transmitter	Humidity:	50%
Model No.:	HS-FMT172LCD	Power Supply:	DC 12V
Test Mode:	TX 107.9MHz with USB Port	Test Engineer:	Allen

Fundamental Radiated Emissions

Frequency (MHz)	Reading(dBμV/m)		Factor (dB) Corr.	Result(dBμV/m)		Limit(dBμV/m)		Margin (dB)		Polarization
	AV	PEAK		AV	PEAK	AV	PEAK	AV	PEAK	
107.9000	25.36	26.43	13.95	39.31	40.38	48	68	-8.69	-27.62	Horizontal
107.9000	24.32	25.75	13.95	38.27	39.70	48	68	-9.73	-28.30	Vertical

Note:

1. Measurement was performed with modulated signal with average detector and peak detector.

2. The field strength is calculated by adding the antenna factor, high pass filter loss(if used) and cable loss, and subtracting the amplifier gain(if any)from the measured reading. The basic equation calculation is as follows:
   Result = Reading + Corrected Factor
   Where Corrected Factor = Antenna Factor + Cable Loss + High Pass Filter Loss – Amplifier Gain

3. The spectral diagrams in appendix I display the measurement of peak values.

6. OCCUPIED BANDWIDTH FOR FCC PART 15 SECTION 15.239(A)

6.1. The Requirement For Section 15.239(a)

6.1.1. Emission from the device shall be confined within a band 200 kHz wide centered on the operating frequency. The 200 kHz band shall lie wholly within the frequency range of 88-108MHz.

6.2. EUT Configuration on Measurement

The following equipment are installed on the emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

6.2.1. Hipstreet FM Transmitter (EUT)

Model Number	**:**	HS-FMT172LCD
Serial Number	**:**	N/A
Manufacturer	**:**	KOBIAN CANADA INC.

6.3. Operating Condition of EUT

6.3.1. Setup the EUT and simulator as shown as Section 5.1.

6.3.2. Turn on the power of all equipment.

6.3.3. Let the EUT work in TX modes [Connect EUT use Auxiliary Equipment (iPod , USB memory disk and SD card) playing typical audio signal with a 2.5 kHz tone at a level 16 dB higher than that required to produce a frequency deviation of 75 kHz] measure it. The transmit frequency are 88.1-107.9MHz. We are select 88.1M, 98.1M, 107.9MHz TX frequency to transmit..

6.4. Test Procedure

6.4.1. The EUT was placed on a turn table which is 0.8m above ground plane.

6.4.2. Set EUT as normal operation. Playing typical audio signal (the volume control was set to maximum.)

6.4.3. Set EMI test receiver Center Frequency = fundamental frequency, RBW= 3kHz, VBW= 10kHz, Span=500kHz.

6.4.4. Set EMI test receiver Max hold. Mark peak, -26dB.

6.5. Test Result

The EUT does meet the FCC requirement.

TX with Line in
FM 88.1MHz
-26dB bandwidth = 147.6 kHz

FM 98.0MHz
-26dB bandwidth = 149.4 kHz

FM 107.9MHz
-26dB bandwidth = 149.4 kHz

TX with Line in
FM 88.1MHz
-26dB bandwidth = 147.6 kHz

FM 98.0MHz
-26dB bandwidth = 148.2 kHz

FM 107.9MHz
-26dB bandwidth = 150.6 kHz

TX with Line in
FM 88.1MHz
-26dB bandwidth = 148.8 kHz

FM 98.0MHz
-26dB bandwidth = 148.2 kHz

FM 107.9MHz
-26dB bandwidth = 150.00 kHz

7. TUNING RANGE

7.1. The Requirement For Section 15.239

88-108MHz

7.2. EUT Configuration on Measurement

The following equipment are installed on the emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

7.2.1. Hipstreet FM Transmitter (EUT)

Model Number	**:**	HS-FMT172LCD
Serial Number	**:**	N/A
Manufacturer	**:**	KOBIAN CANADA INC.

7.3. Operating Condition of EUT

7.3.1. Setup the EUT and simulator as shown as Section 5.1.

7.3.2. Turn on the power of all equipment.

7.3.3. Let the EUT work in TX modes [Connect EUT use iPod playing typical audio signal ('Highway Blues' from sample music of windows XP) with maximum audio level] measure it. The transmit frequency are 88.1-107.9MHz. We are select 88.1M, 98.0M, 107.9MHz TX frequency to transmit.

7.4. Test Procedure

7.4.1. The EUT was placed on a turn table which is 0.8m above ground plane.

7.4.2. Set the EUT working on the working frequency.

7.4.3. Set EMI test receiver center frequency = working frequency, RBW=3 kHz, VBW= 10 kHz, Span=300 kHz.

7.4.4. Measuring the working frequency.

7.4.5. The working frequency should be inside 88-108MHz.

7.5. Test Result

The EUT does meet the FCC requirement.

Low Frequency = 88.100MHz	EUT LED display 88.1MHz
Mid Frequency = 98.100MHz	EUT LED display 98.0MHz
High Frequency = 107.900MHz	EUT LED display 107.9MHz

The working frequency rang is from 88.1 to 107.9MHz.

APPENDIX I
(Test Curves)

ACCURATE TECHNOLOGY CO., LTD.
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Site: 966 chamber
Tel:+86-0755-26503290
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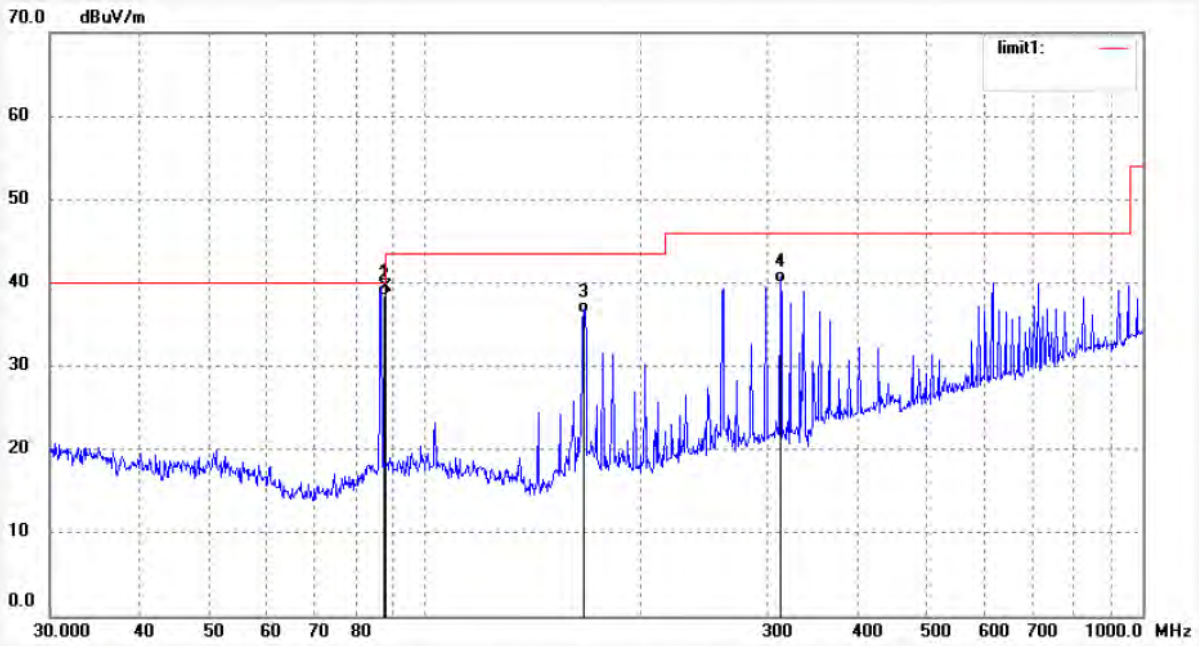
Job No.: ALEN #512
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 49 %
EUT: Hipstreet FM Transmitter
Mode: FM 88.1MHz(LINE IN)
Model: HS-FMT172LCD
Manufacturer: Kobian

Polarization: Vertical
Power Source: DC 12V
Date: 12/11/17/
Time: 8/33/29
Engineer Signature:
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	88.1000	25.72	13.75	39.47	68.00	-28.53	peak			
2	88.1000	24.69	13.75	38.44	48.00	-9.56	AVG			
3	166.6382	23.84	12.41	36.25	43.50	-7.25	QP			
4	312.5482	22.80	17.13	39.93	46.00	-6.07	QP			

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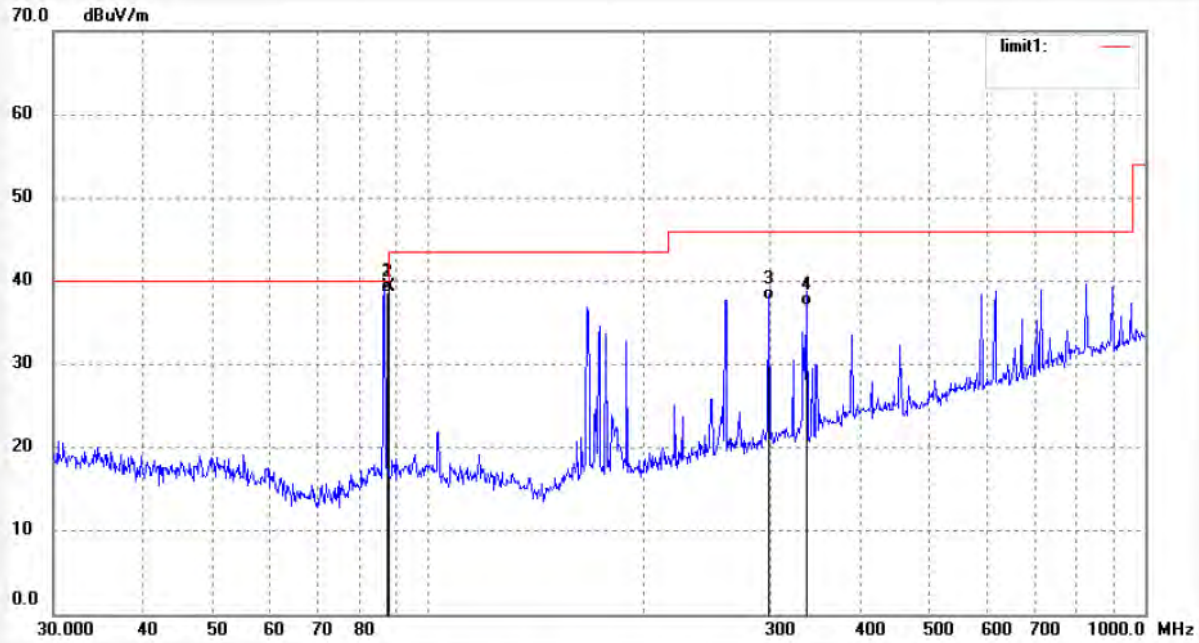
Job No.: ALEN #513
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 49 %
EUT: Hipstreet FM Transmitter
Mode: FM 88.1MHz(LINE IN)
Model: HS-FMT172LCD
Manufacturer: Kobian

Polarization: Horizontal
Power Source: DC 12V
Date: 12/11/17/
Time: 8/34/22
Engineer Signature:
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	88.1000	25.45	13.75	39.20	68.00	-28.80	peak			
2	88.1000	24.88	13.75	38.63	48.00	-9.37	AVG			
3	298.5932	20.98	16.74	37.72	46.00	-8.28	QP			
4	336.4816	19.02	17.91	36.93	46.00	-9.07	QP			

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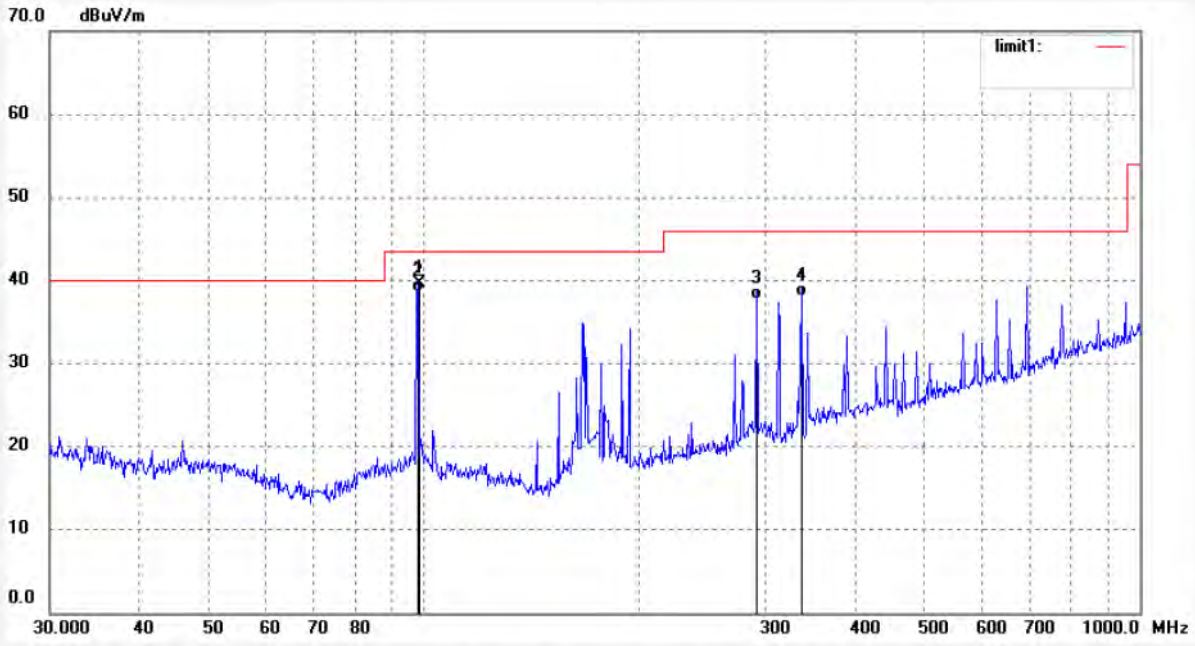
Job No.: ALEN #514
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 49 %
EUT: Hipstreet FM Transmitter
Mode: FM 98.1MHz(LINE IN)
Model: HS-FMT172LCD
Manufacturer: Kobian

Polarization: Horizontal
Power Source: DC 12V
Date: 12/11/17/
Time: 8/36/08
Engineer Signature:
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	98.1000	25.13	14.52	39.65	68.00	-28.35	peak			
2	98.1000	24.01	14.52	38.53	48.00	-9.47	AVG			
3	292.3643	21.20	16.60	37.80	46.00	-8.20	QP			
4	336.4816	20.10	17.91	38.01	46.00	-7.99	QP			

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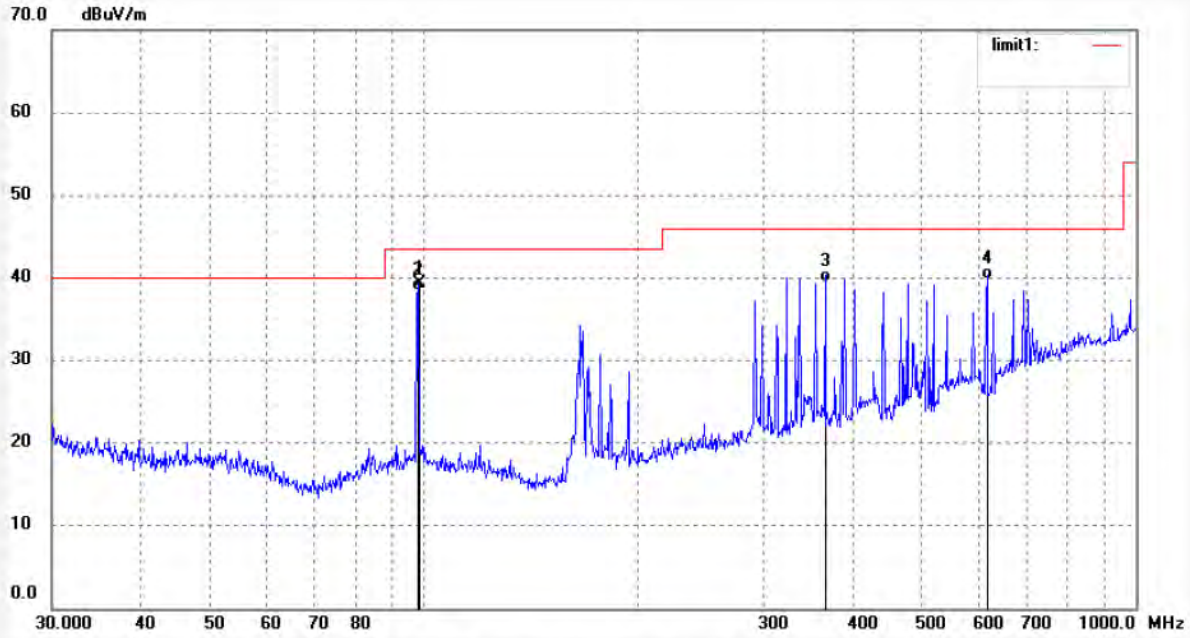
Job No.: ALEN #515	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 12V
Test item: Radiation Test	Date: 12/11/17/
Temp.(C)/Hum.(%) 23 C / 49 %	Time: 8/37/14
EUT: Hipstreet FM Transmitter	Engineer Signature:
Mode: FM 98.1MHz(LINE IN)	Distance: 3m
Model: HS-FMT172LCD	
Manufacturer: Kobian	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	98.1000	24.72	14.52	39.24	68.00	-28.76	peak			
2	98.1000	23.89	14.52	38.41	48.00	-9.59	AVG			
3	366.0865	20.87	18.60	39.47	46.00	-6.53	QP			
4	617.9415	16.01	23.83	39.84	46.00	-6.16	QP			

ACCURATE TECHNOLOGY CO., LTD.
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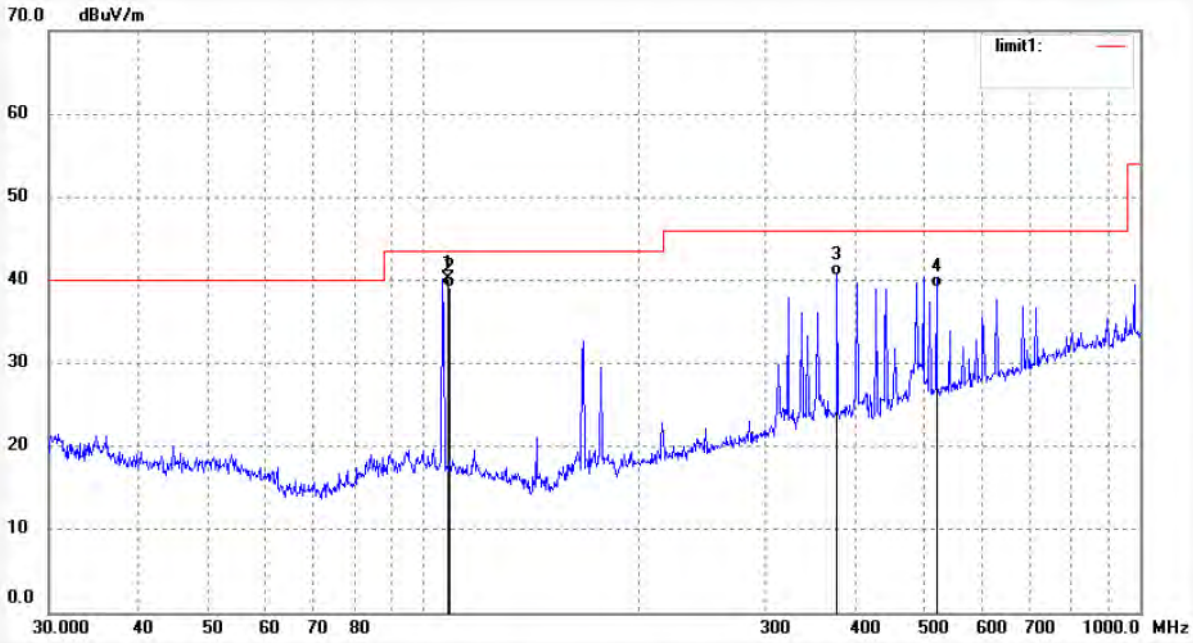
Fax:+86-0755-26503396

Job No.: ALEN #516
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 49 %
EUT: Hipstreet FM Transmitter
Mode: FM107.9MHz(Line in)
Model: HS-FMT172LCD
Manufacturer: Kobian

Polarization: Vertical
Power Source: DC 12V
Date: 12/11/17/
Time: 8/39/01
Engineer Signature:
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	107.9000	26.25	13.95	40.20	68.00	-27.80	peak			
2	107.9000	25.15	13.95	39.10	48.00	-8.90	AVG			
3	377.8480	21.80	18.80	40.60	46.00	-5.40	QP			
4	520.2078	17.10	22.08	39.18	46.00	-6.82	QP			

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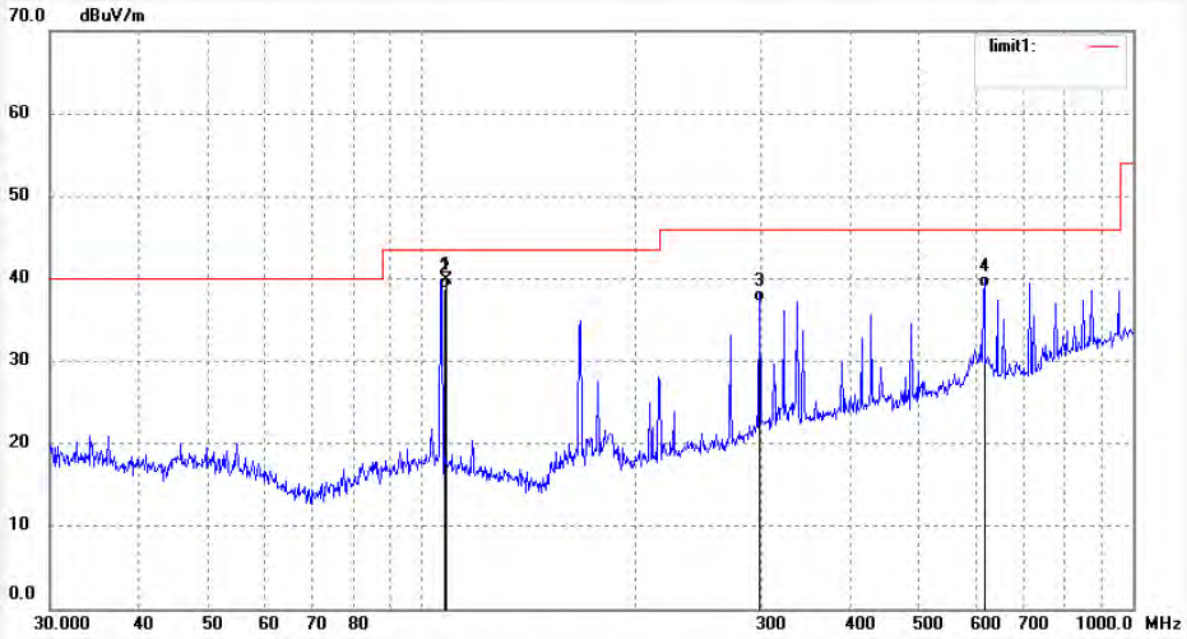
Fax:+86-0755-26503396

Job No.: ALEN #517	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 12V
Test item: Radiation Test	Date: 12/11/17/
Temp.(C)/Hum.(%) 23 C / 49 %	Time: 8/39/49
EUT: Hipstreet FM Transmitter	Engineer Signature:
Mode: FM107.9MHz(LINE IN)	Distance: 3m
Model: HS-FMT172LCD	
Manufacturer: Kobian	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	107.9000	25.93	13.95	39.88	68.00	-28.12	peak			
2	107.9000	24.84	13.95	38.79	48.00	-9.21	AVG			
3	298.5932	20.48	16.74	37.22	46.00	-8.78	QP			
4	617.9415	15.09	23.83	38.92	46.00	-7.08	QP			

ACCURATE TECHNOLOGY CO., LTD.
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Site: 966 chamber
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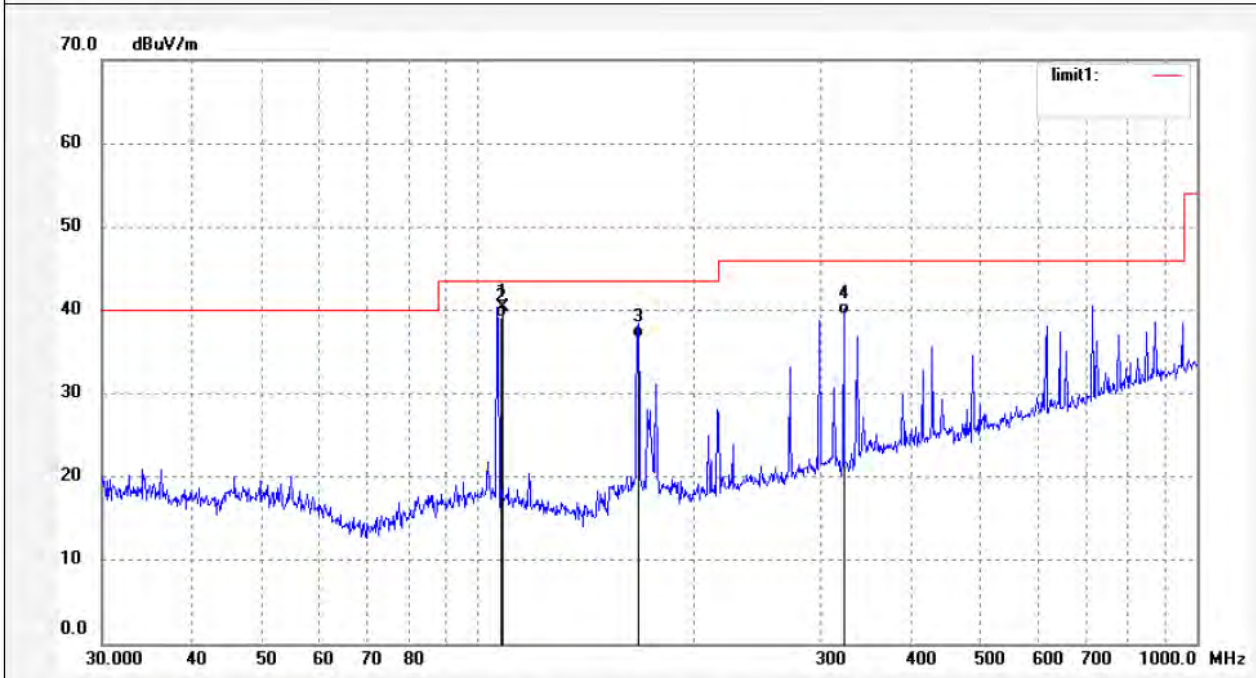
Fax:+86-0755-26503396

Job No.: ALEN #533	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 12V
Test item: Radiation Test	Date: 12/11/17/
Temp.(C)/Hum.(%) 23 C / 49 %	Time: 9/20/49
EUT: Hipstreet FM Transmitter	Engineer Signature:
Mode: FM107.9MHz(SD)	Distance: 3m
Model: HS-FMT172LCD	
Manufacturer: Kobian	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	107.9000	26.43	13.95	40.38	68.00	-27.62	peak			
2	107.9000	25.21	13.95	39.16	48.00	-8.84	AVG			
3	167.2249	24.23	12.50	36.73	43.50	-6.77	QP			
4	322.5896	21.98	17.45	39.43	46.00	-6.57	QP			

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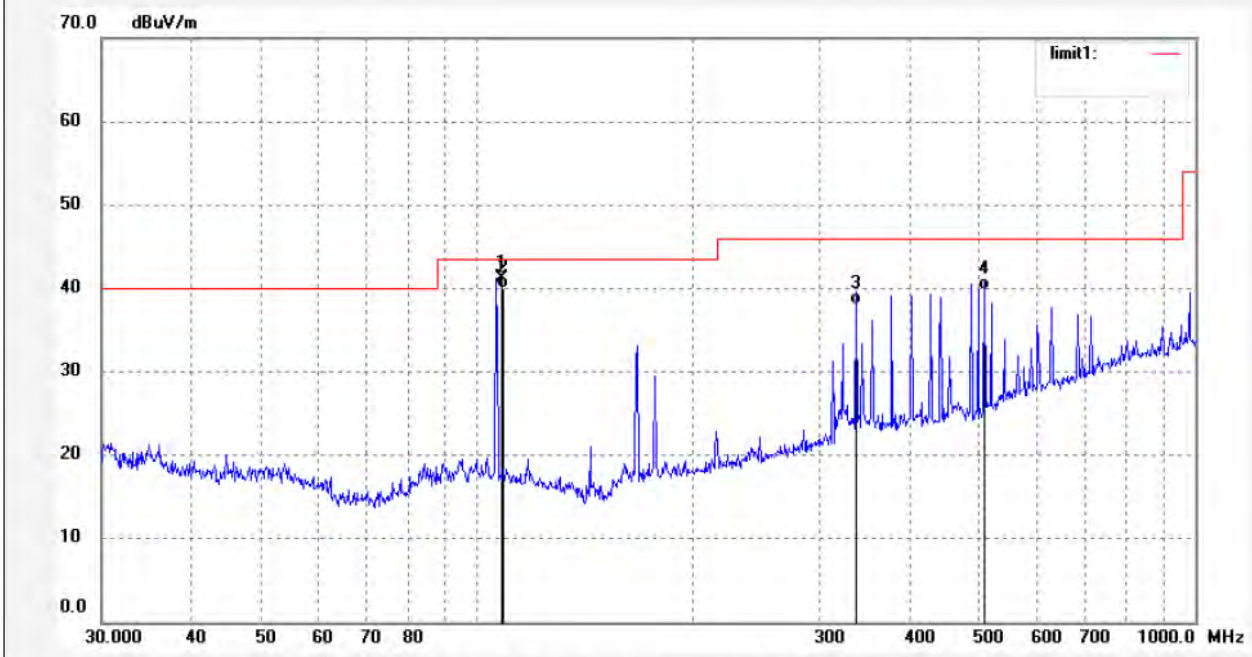
Fax:+86-0755-26503396

Job No.: ALEN #534	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 12V
Test item: Radiation Test	Date: 12/11/17/
Temp.(C)/Hum.(%) 23 C / 49 %	Time: 9/21/01
EUT: Hipstreet FM Transmitter	Engineer Signature:
Mode: FM107.9MHz(SD)	Distance: 3m
Model: HS-FMT172LCD	
Manufacturer: Kobian	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	107.9000	27.25	13.95	41.20	68.00	-26.80	peak			
2	107.9000	26.01	13.95	39.96	48.00	-8.04	AVG			
3	336.4816	20.23	17.91	38.14	46.00	-7.86	QP			
4	509.3559	17.98	21.83	39.81	46.00	-6.19	QP			

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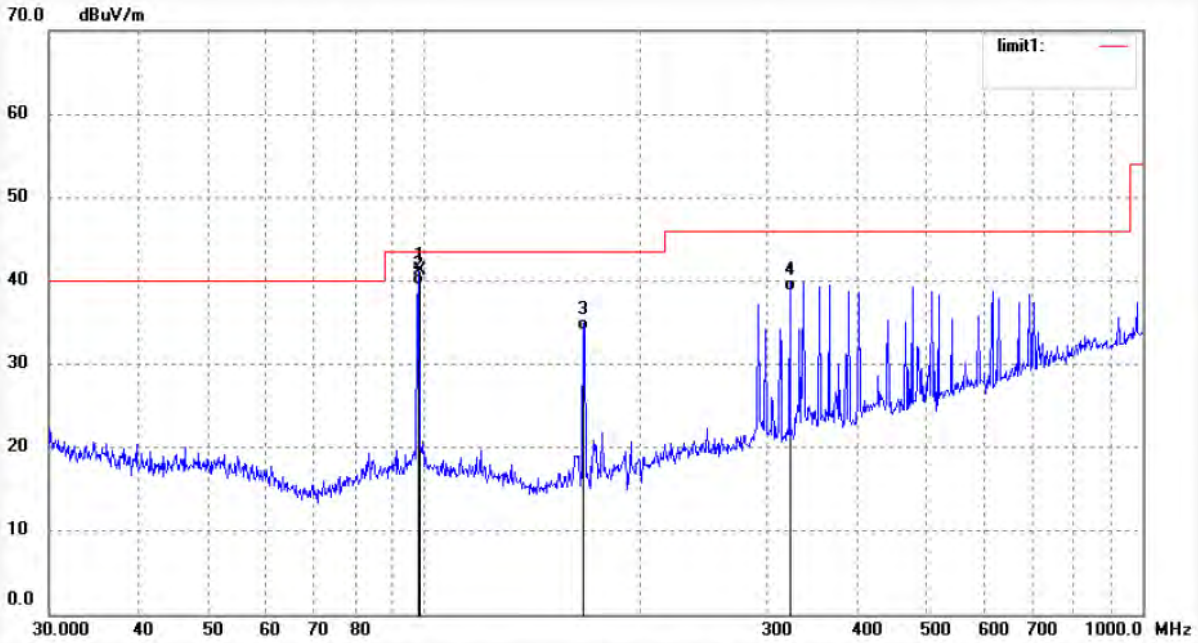
Job No.: ALEN #535	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 12V
Test item: Radiation Test	Date: 12/11/17/
Temp.(C)/Hum.(%) 23 C / 49 %	Time: 9/23/14
EUT: Hipstreet FM Transmitter	Engineer Signature:
Mode: FM 98.1MHz(SD)	Distance: 3m
Model: HS-FMT172LCD	
Manufacturer: Kobian	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	98.1000	26.72	14.52	41.24	68.00	-26.76	peak			
2	98.1000	25.01	14.52	39.53	48.00	-8.47	AVG			
3	166.6383	21.61	12.41	34.02	43.50	-9.48	QP			
4	322.5896	21.24	17.45	38.69	46.00	-7.31	QP			

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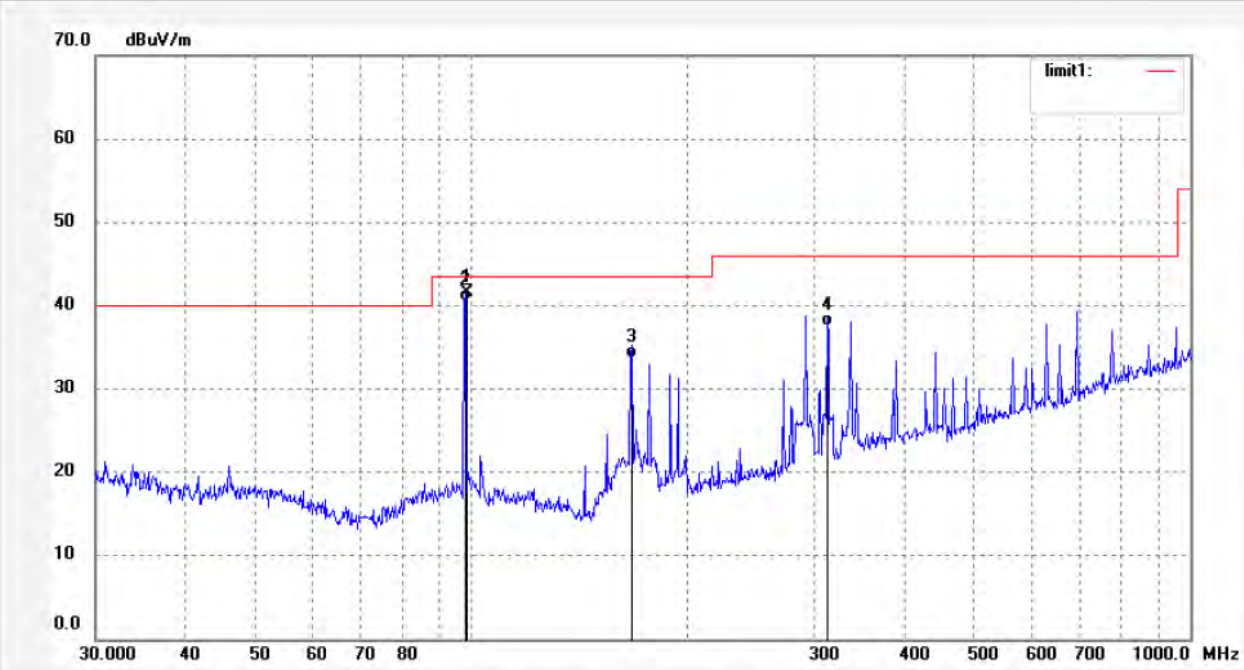
Job No.: ALEN #536	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 12V
Test item: Radiation Test	Date: 12/11/17/
Temp.(C)/Hum.(%) 23 C / 49 %	Time: 9/25/08
EUT: Hipstreet FM Transmitter	Engineer Signature:
Mode: FM 98.1MHz(SD)	Distance: 3m
Model: HS-FMT172LCD	
Manufacturer: Kobian	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	98.1000	27.13	14.52	41.65	68.00	-26.35	peak			
2	98.1000	26.01	14.52	40.53	48.00	-7.47	AVG			
3	167.2248	21.27	12.50	33.77	43.50	-9.73	QP			
4	312.5482	20.35	17.13	37.48	46.00	-8.52	QP			

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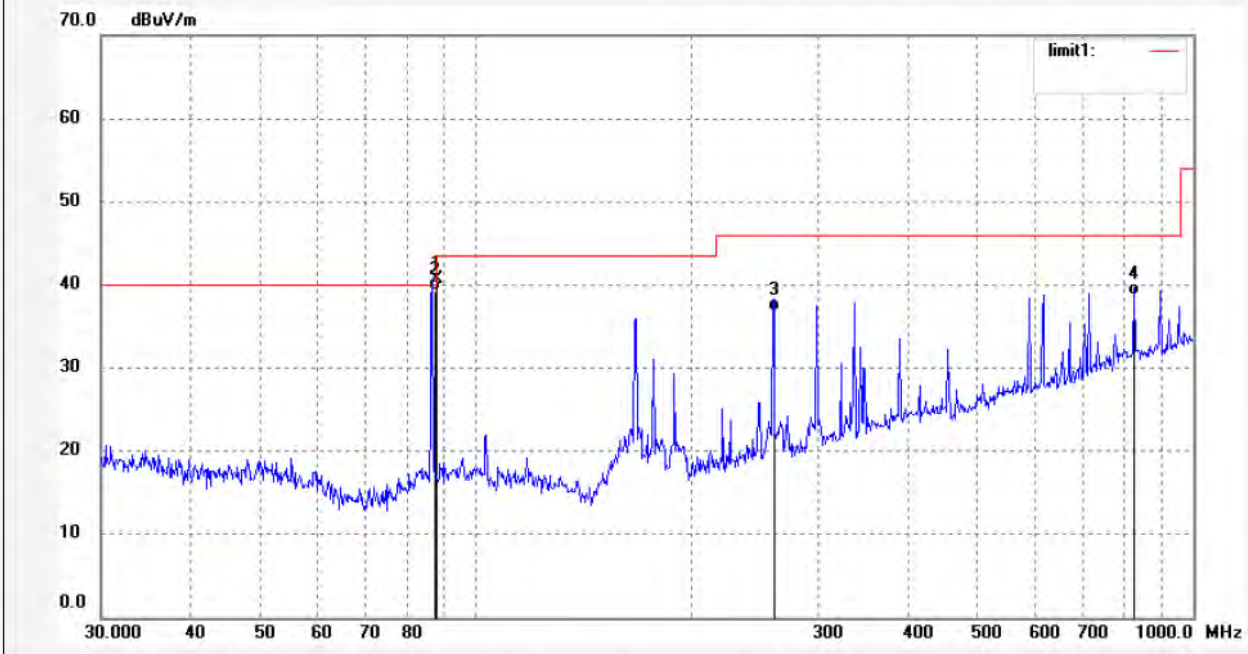
Job No.: ALEN #537
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 49 %
EUT: Hipstreet FM Transmitter
Mode: FM 88.1MHz(SD)
Model: HS-FMT172LCD
Manufacturer: Kobian

Polarization: Horizontal
Power Source: DC 12V
Date: 12/11/17/
Time: 9/28/22
Engineer Signature:
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	88.1000	26.95	13.75	40.70	68.00	-27.30	peak			
2	88.1000	25.61	13.75	39.36	48.00	-8.64	AVG			
3	260.3566	21.35	15.52	36.87	46.00	-9.13	QP			
4	827.1793	11.58	27.20	38.78	46.00	-7.22	QP			

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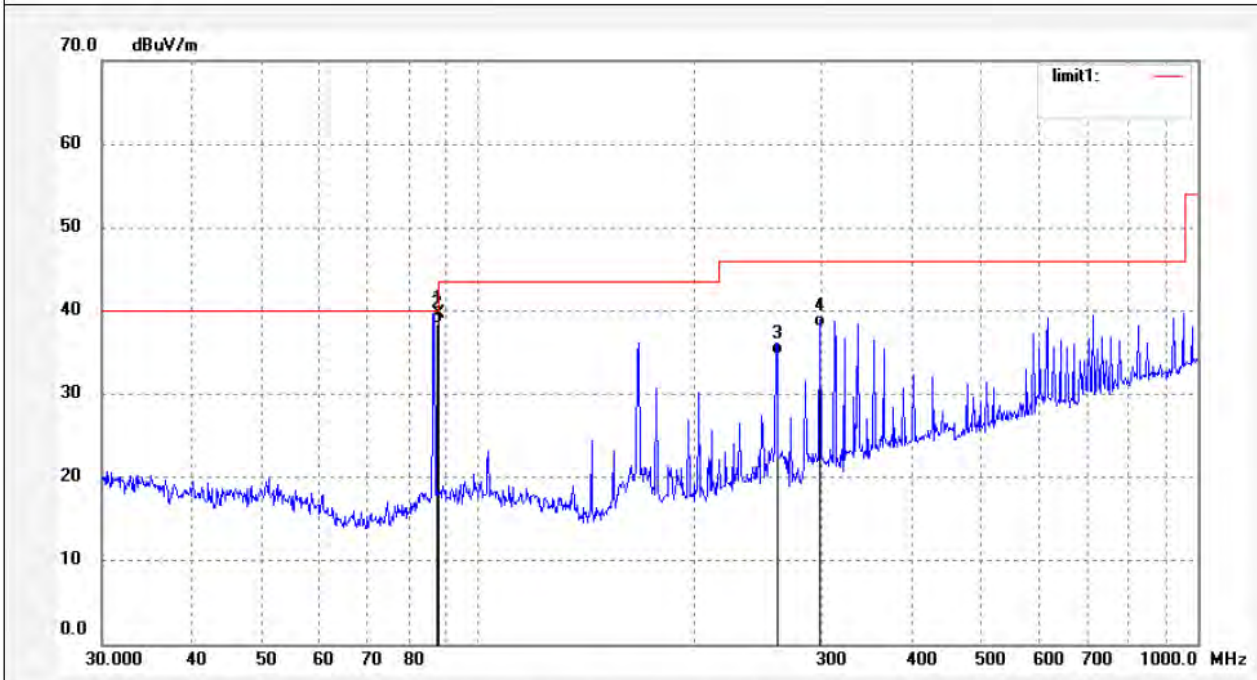
Job No.: ALEN #538
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 49 %
EUT: Hipstreet FM Transmitter
Mode: FM 88.1MHz(SD)
Model: HS-FMT172LCD
Manufacturer: Kobian

Polarization: Vertical
Power Source: DC 12V
Date: 12/11/17/
Time: 9/30/29
Engineer Signature:
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	88.1000	25.87	13.75	39.62	68.00	-28.38	peak			
2	88.1000	24.69	13.75	38.44	48.00	-9.56	AVG			
3	260.3566	19.25	15.52	34.77	46.00	-11.23	QP			
4	298.5932	21.36	16.74	38.10	46.00	-7.90	QP			

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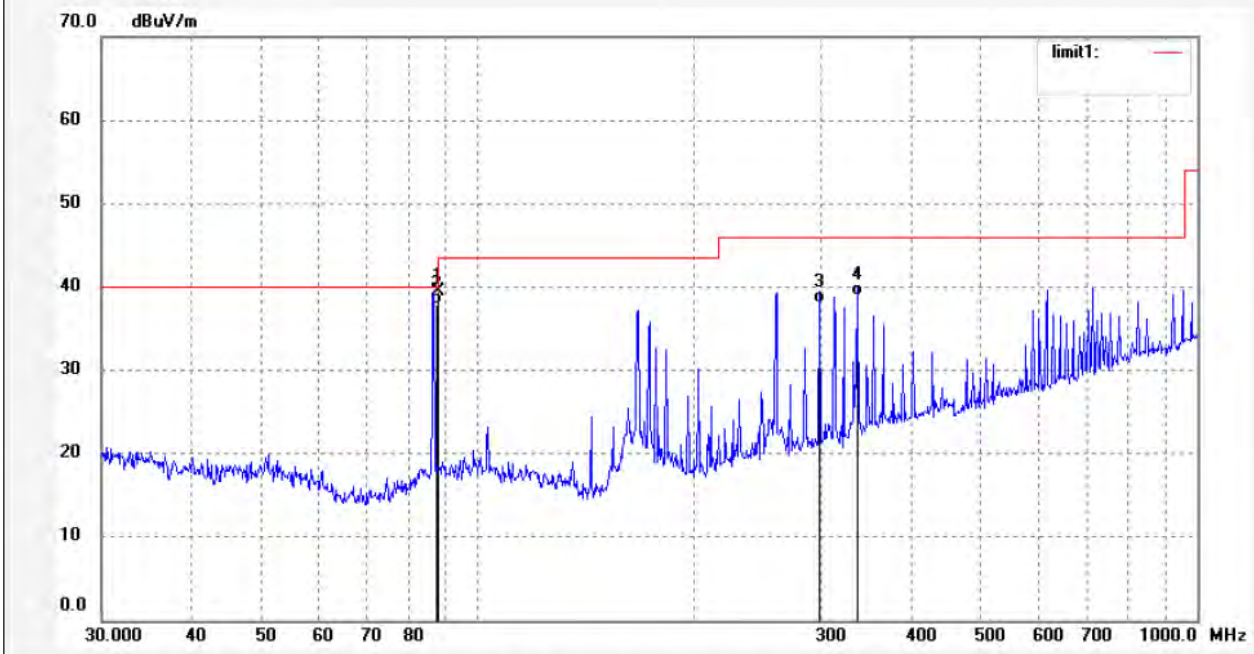
Job No.: ALEN #539	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 12V
Test item: Radiation Test	Date: 12/11/17/
Temp.(C)/Hum.(%) 23 C / 49 %	Time: 9/33/29
EUT: Hipstreet FM Transmitter	Engineer Signature:
Mode: FM 88.1MHz(USB)	Distance: 3m
Model: HS-FMT172LCD	
Manufacturer: Kobian	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	88.1000	25.72	13.75	39.47	68.00	-30.53	peak			
2	88.1000	24.20	13.75	37.95	48.00	-10.05	AVG			
3	298.5932	21.24	16.74	37.98	46.00	-8.02	QP			
4	336.4816	20.95	17.91	38.86	46.00	-7.14	QP			

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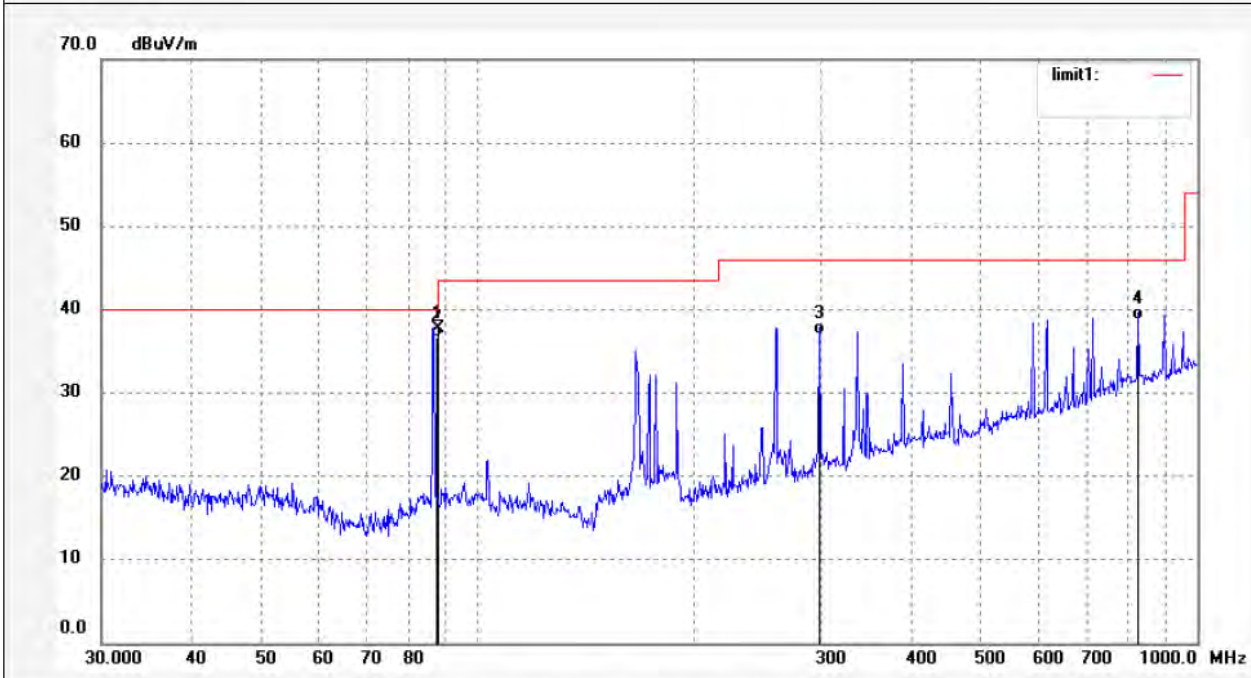
Job No.: ALEN #540	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 12V
Test item: Radiation Test	Date: 12/11/17/
Temp.(C)/Hum.(%) 23 C / 49 %	Time: 9/34/22
EUT: Hipstreet FM Transmitter	Engineer Signature:
Mode: FM 88.1MHz(USB)	Distance: 3m
Model: HS-FMT172LCD	
Manufacturer: Kobian	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	88.1000	23.95	13.75	37.70	68.00	-30.30	peak			
2	88.1000	22.89	13.75	36.64	48.00	-11.36	AVG			
3	298.5932	20.31	16.74	37.05	46.00	-8.95	QP			
4	827.1793	11.50	27.20	38.70	46.00	-7.30	QP			

ACCURATE TECHNOLOGY CO., LTD.
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Site: 966 chamber
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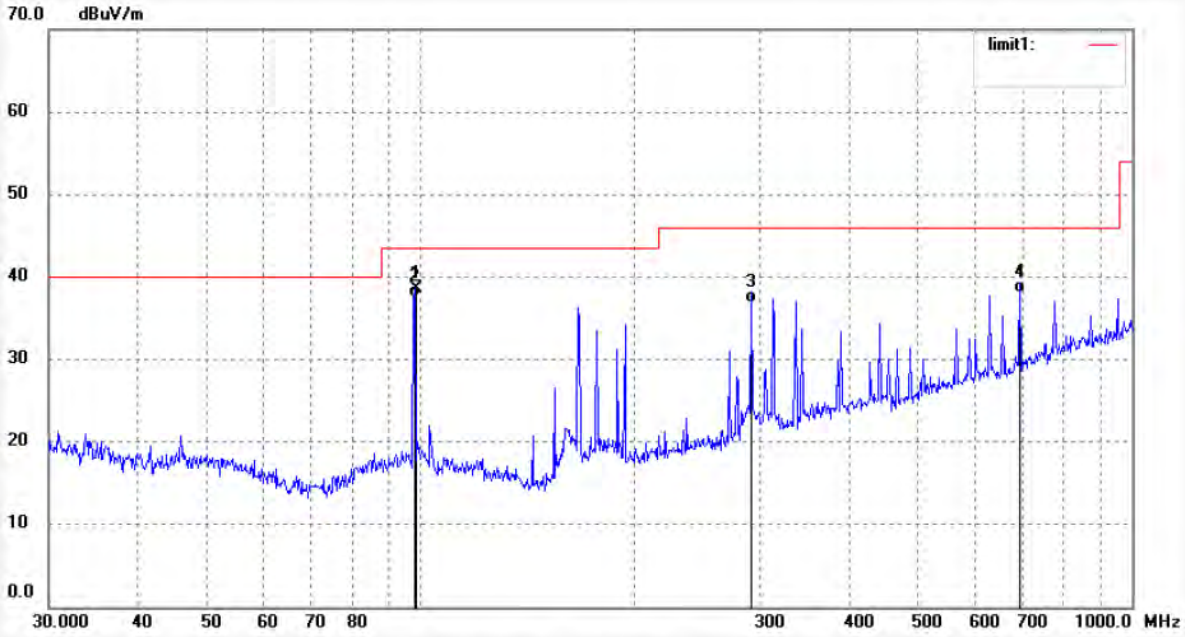
Fax:+86-0755-26503396

Job No.: ALEN #541
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 49 %
EUT: Hipstreet FM Transmitter
Mode: FM 98.1MHz(USB)
Model: HS-FMT172LCD
Manufacturer: Kobian

Polarization: Horizontal
Power Source: DC 12V
Date: 12/11/17/
Time: 9/36/08
Engineer Signature:
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	98.1000	24.13	14.52	38.65	68.00	-29.35	peak			
2	98.1000	23.01	14.52	37.53	48.00	-10.47	AVG			
3	292.3643	20.25	16.60	36.85	46.00	-9.15	QP			
4	696.3523	13.21	24.82	38.03	46.00	-7.97	QP			

ACCURATE TECHNOLOGY CO., LTD.
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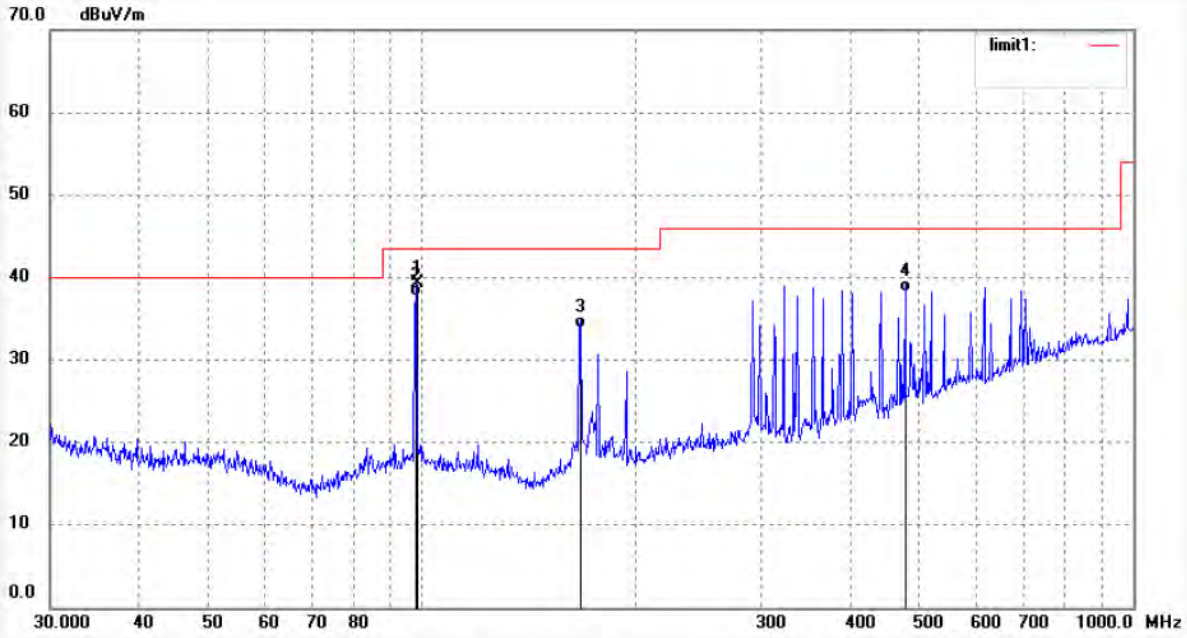
Job No.: ALEN #542	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 12V
Test item: Radiation Test	Date: 12/11/17/
Temp.(C)/Hum.(%) 23 C / 49 %	Time: 9/37/14
EUT: Hipstreet FM Transmitter	Engineer Signature:
Mode: FM 98.1MHz(USB)	Distance: 3m
Model: HS-FMT172LCD	
Manufacturer: Kobian	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	98.1000	24.72	14.52	39.24	68.00	-28.76	peak			
2	98.1000	23.28	14.52	37.80	48.00	-5.70	AVG			
3	167.2248	21.36	12.50	33.86	43.50	-9.64	QP			
4	478.1394	17.36	20.96	38.32	46.00	-7.68	QP			

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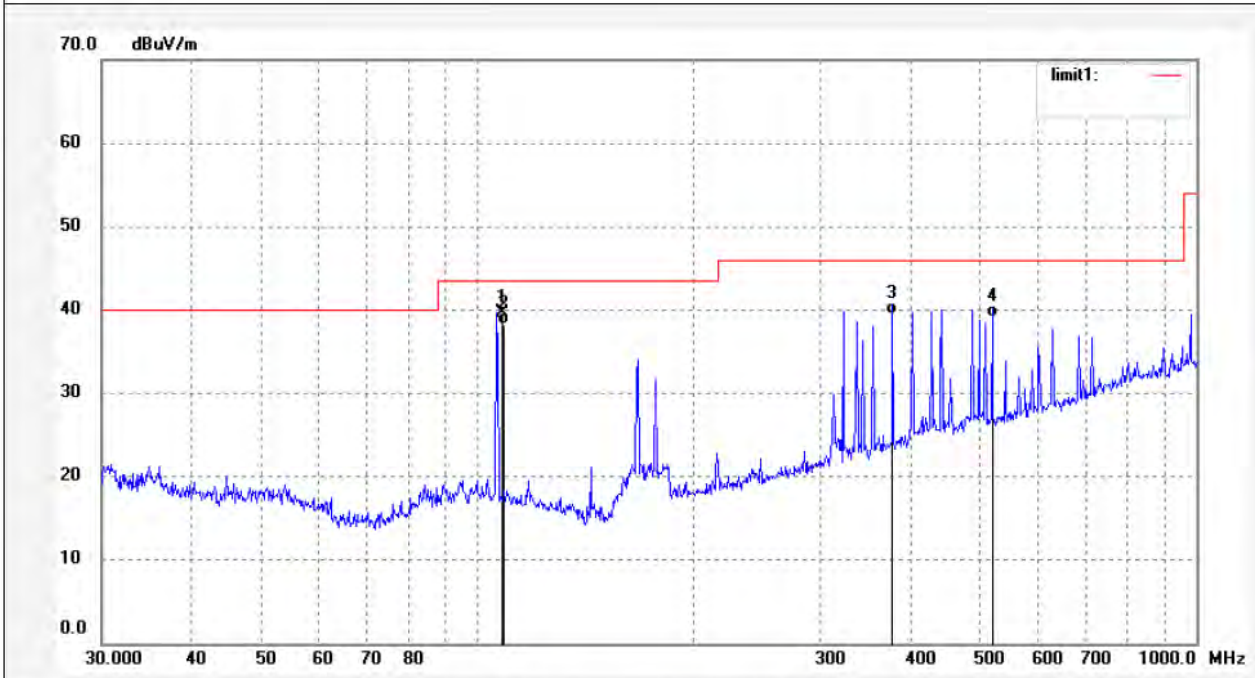
Job No.: ALEN #543	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 12V
Test item: Radiation Test	Date: 12/11/17/
Temp.(C)/Hum.(%) 23 C / 49 %	Time: 9/39/01
EUT: Hipstreet FM Transmitter	Engineer Signature:
Mode: FM107.9MHz(USB)	Distance: 3m
Model: HS-FMT172LCD	
Manufacturer: Kobian	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	107.9000	25.75	13.95	39.70	68.00	-28.30	peak			
2	107.9000	24.32	13.95	38.27	48.00	-9.73	AVG			
3	377.8480	20.68	18.80	39.48	46.00	-6.52	QP			
4	520.2078	17.04	22.08	39.12	46.00	-6.88	QP			

ACCURATE TECHNOLOGY CO., LTD.
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Site: 966 chamber
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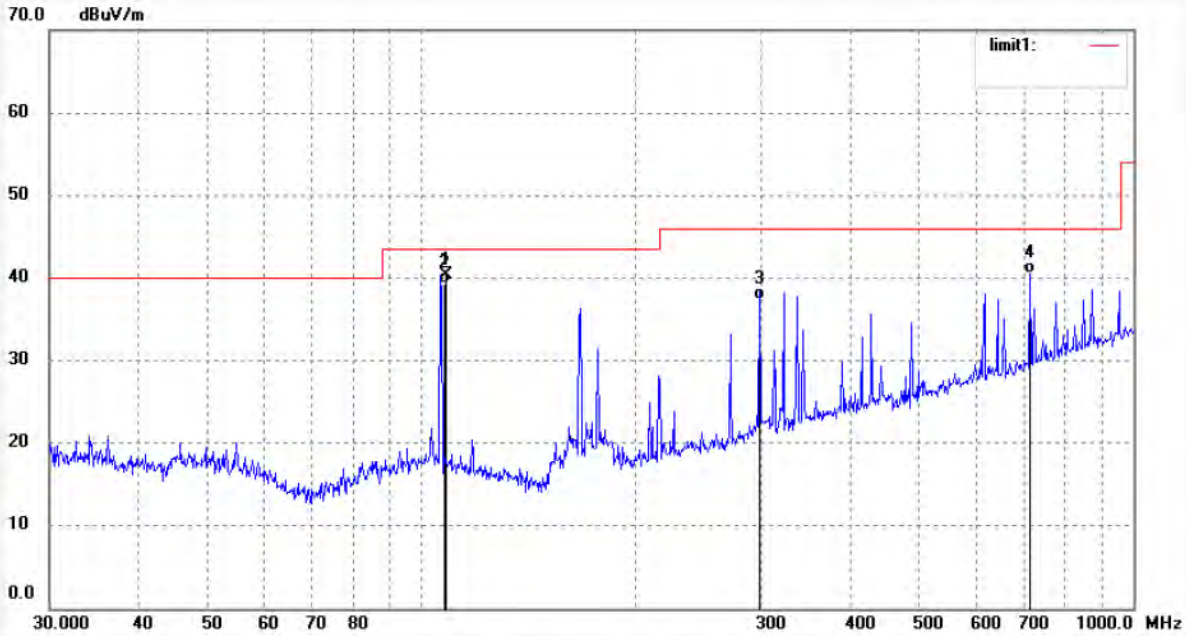
Fax:+86-0755-26503396

Job No.: ALEN #544
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 49 %
EUT: Hipstreet FM Transmitter
Mode: FM107.9MHz(USB)
Model: HS-FMT172LCD
Manufacturer: Kobian

Polarization: Horizontal
Power Source: DC 12V
Date: 12/11/17/
Time: 9/40/49
Engineer Signature:
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	107.9000	26.43	13.95	40.38	68.00	-27.62	peak			
2	107.9000	25.36	13.95	39.31	48.00	-8.69	AVG			
3	298.5932	20.68	16.74	37.42	46.00	-8.58	QP			
4	716.2038	15.30	25.16	40.46	46.00	-5.54	QP			

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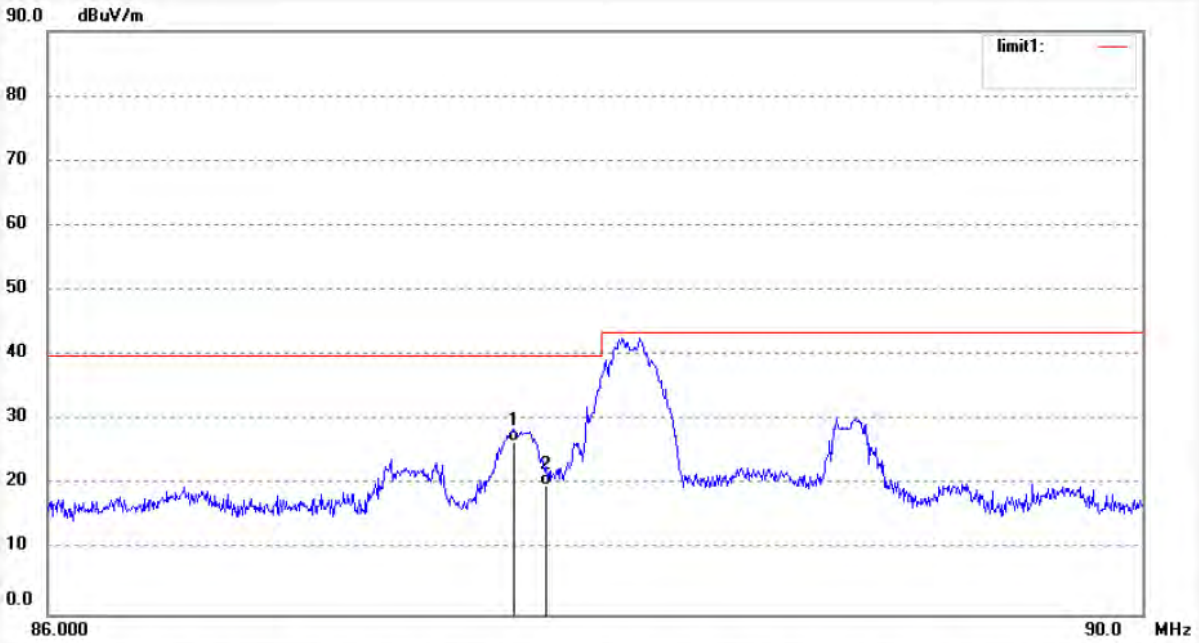
Job No.: ALEN #610	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 12V
Test item: Radiation Test	Date: 12/11/17/
Temp.(C)/Hum.(%) 23 C / 49 %	Time: 9/31/01
EUT: Hipstreet FM Transmitter	Engineer Signature:
Mode: FM 88.1MHz(Line in)	Distance: 3m
Model: HS-FMTI72LCD	
Manufacturer: Kobian	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	87.6812	12.83	13.72	26.55	40.00	-13.45	QP			
2	87.8000	6.21	13.72	19.93	40.00	-20.07	QP			

ACCURATE TECHNOLOGY CO., LTD.
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Job No.: ALEN #609	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 12V
Test item: Radiation Test	Date: 12/11/17/
Temp.(C)/Hum.(%) 23 C / 49 %	Time: 9/30/31
EUT: Hipstreet FM Transmitter	Engineer Signature:
Mode: FM 88.1MHz(Line in)	Distance: 3m
Model: HS-FMTI72LCD	
Manufacturer: Kobian	

Note:

No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	87.6931	20.21	13.72	33.93	40.00	-6.07	QP			
2	87.8000	16.35	13.72	30.07	40.00	-9.93	QP			

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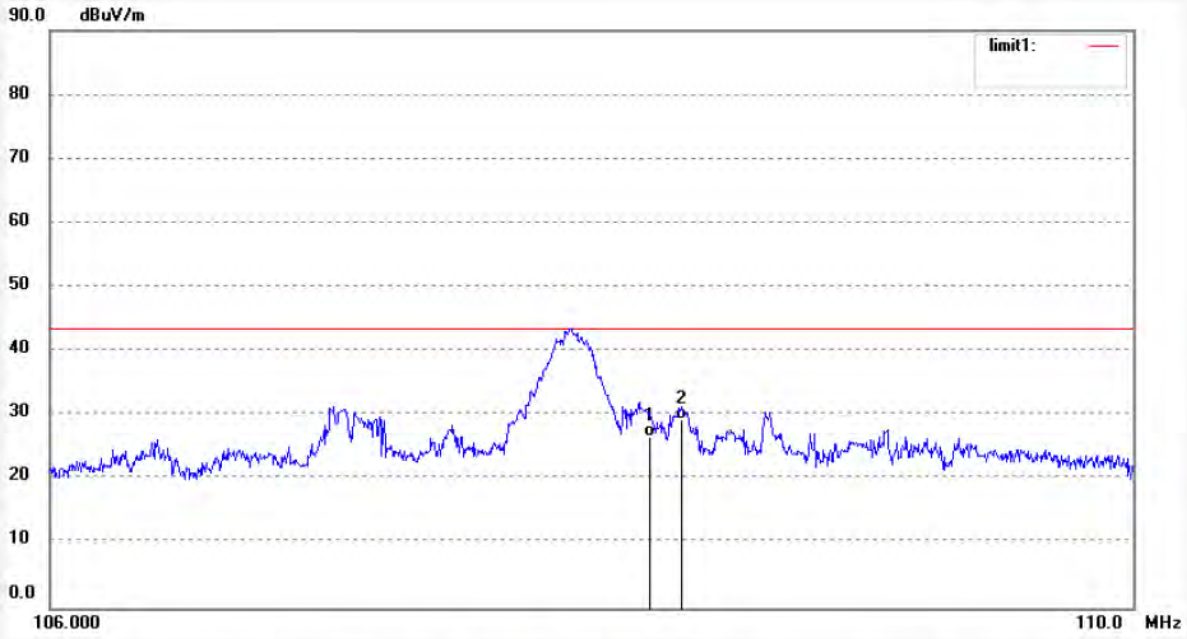
Job No.: ALEN #608	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 12V
Test item: Radiation Test	Date: 12/11/17/
Temp.(C)/Hum.(%) 23 C / 49 %	Time: 10/29/16
EUT: Hipstreet FM Transmitter	Engineer Signature:
Mode: FM 107.9MHz(Line in)	Distance: 3m
Model: HS-FMTI72LCD	
Manufacturer: Kobian	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	108.2000	12.64	13.95	26.59	43.50	-16.91	QP			
2	108.3144	15.32	13.95	29.27	43.50	-14.23	QP			

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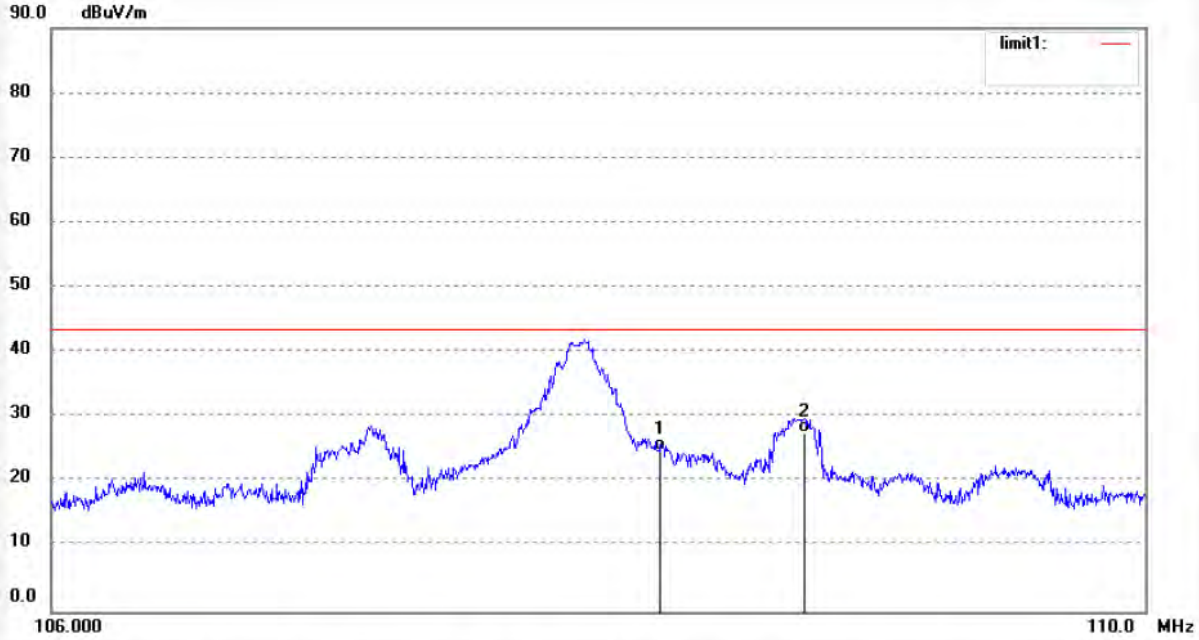
Job No.: ALEN #607	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 12V
Test item: Radiation Test	Date: 12/11/17/
Temp.(C)/Hum.(%) 23 C / 49 %	Time: 10/28/45
EUT: Hipstreet FM Transmitter	Engineer Signature:
Mode: FM 107.9MHz(Line in)	Distance: 3m
Model: HS-FMTI72LCD	
Manufacturer: Kobian	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	108.2000	10.84	13.95	24.79	43.50	-18.71	QP			
2	108.7376	13.68	13.96	27.64	43.50	-15.86	QP			

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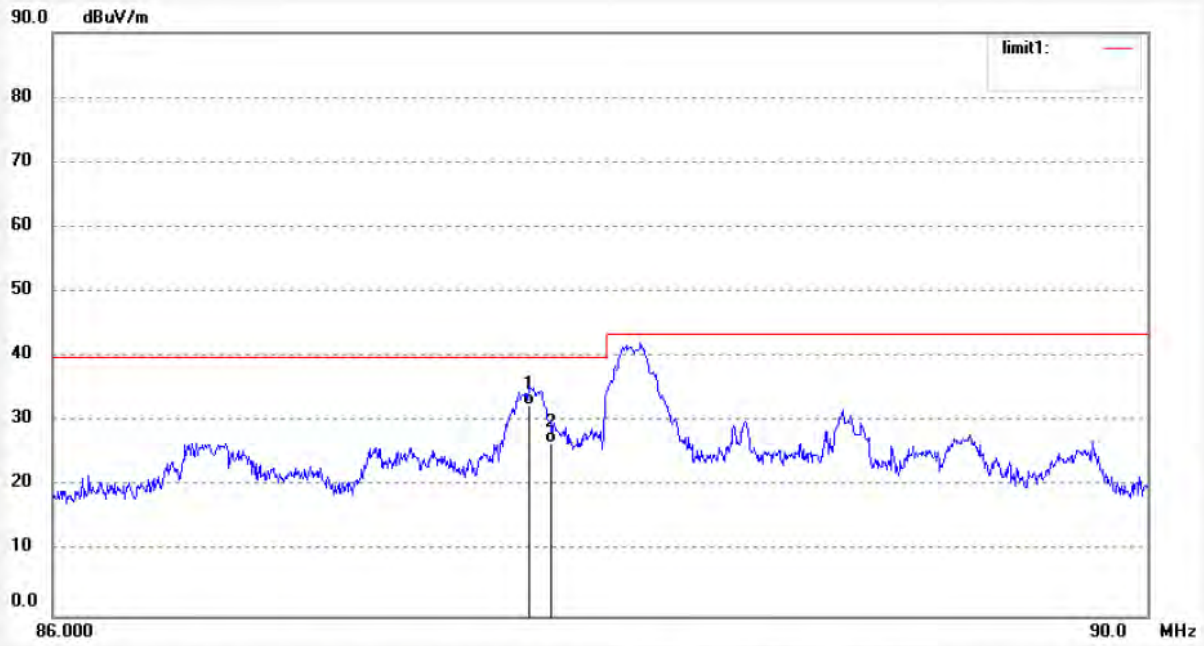
Site: 966 chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: ALEN #597	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 12V
Test item: Radiation Test	Date: 12/11/17/
Temp.(C)/Hum.(%) 23 C / 49 %	Time: 9/31/54
EUT: Hipstreet FM Transmitter	Engineer Signature:
Mode: FM 88.1MHz(USB)	Distance: 3m
Model: HS-FMTI72LCD	
Manufacturer: Kobian	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	87.7249	18.69	13.72	32.41	40.00	-7.59	QP			
2	87.8000	12.98	13.72	26.70	40.00	-13.30	QP			

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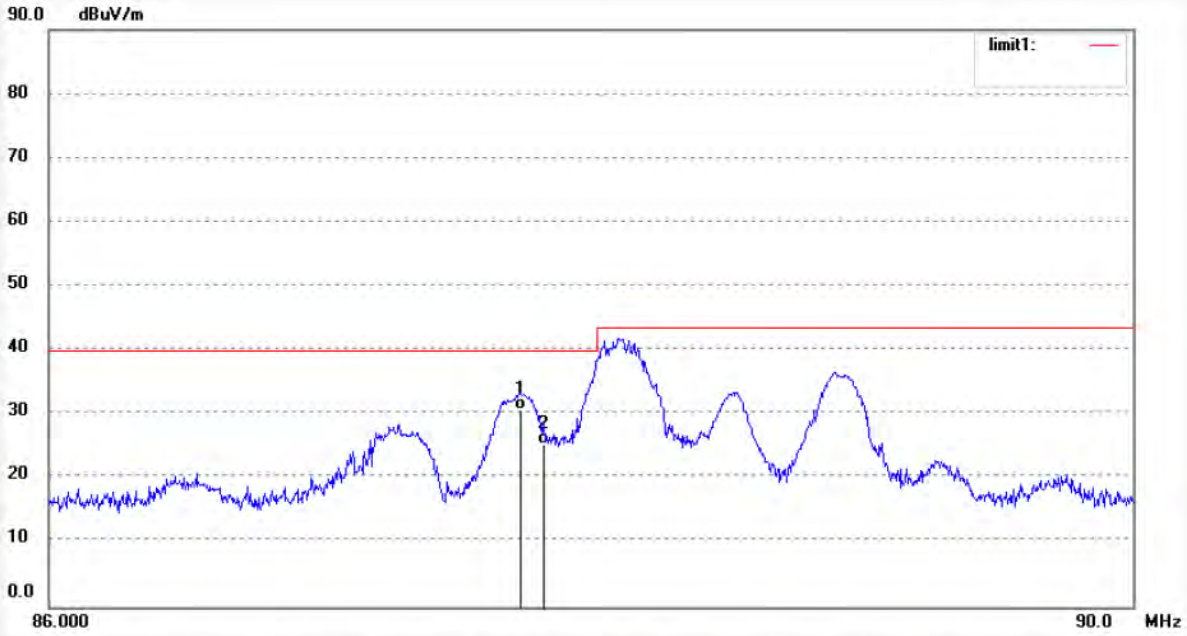
Fax:+86-0755-26503396

Job No.: ALEN #598
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 49 %
EUT: Hipstreet FM Transmitter
Mode: FM 88.1MHz(USB)
Model: HS-FMTI72LCD
Manufacturer: Kobian

Polarization: Vertical
Power Source: DC 12V
Date: 12/11/17/
Time: 9/33/12
Engineer Signature:
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	87.7172	17.00	13.72	30.72	40.00	-9.28	QP			
2	87.8000	11.57	13.72	25.29	40.00	-14.71	QP			

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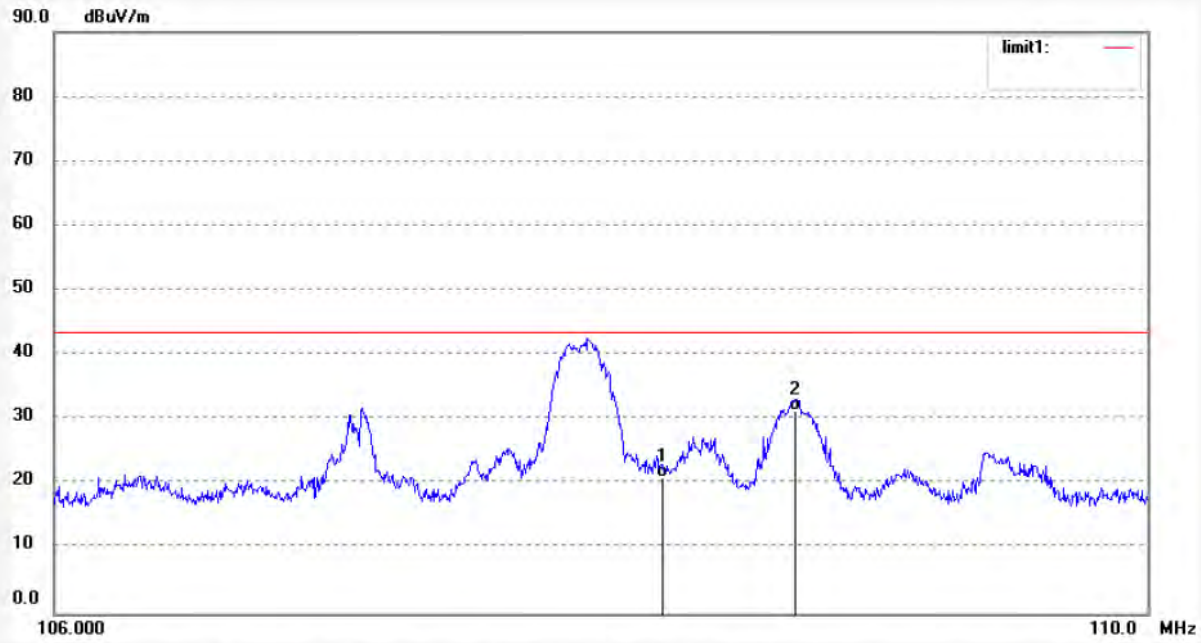
Fax:+86-0755-26503396

Job No.: ALEN #599
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 49 %
EUT: Hipstreet FM Transmitter
Mode: FM 107.9MHz(USB)
Model: HS-FMTI72LCD
Manufacturer: Kobian

Polarization: Vertical
Power Source: DC 12V
Date: 12/11/17/
Time: 9/35/09
Engineer Signature:
Distance: 3m

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	108.2021	7.05	13.95	21.00	43.50	-22.50	QP			
2	108.6971	17.36	13.96	31.32	43.50	-12.18	QP			

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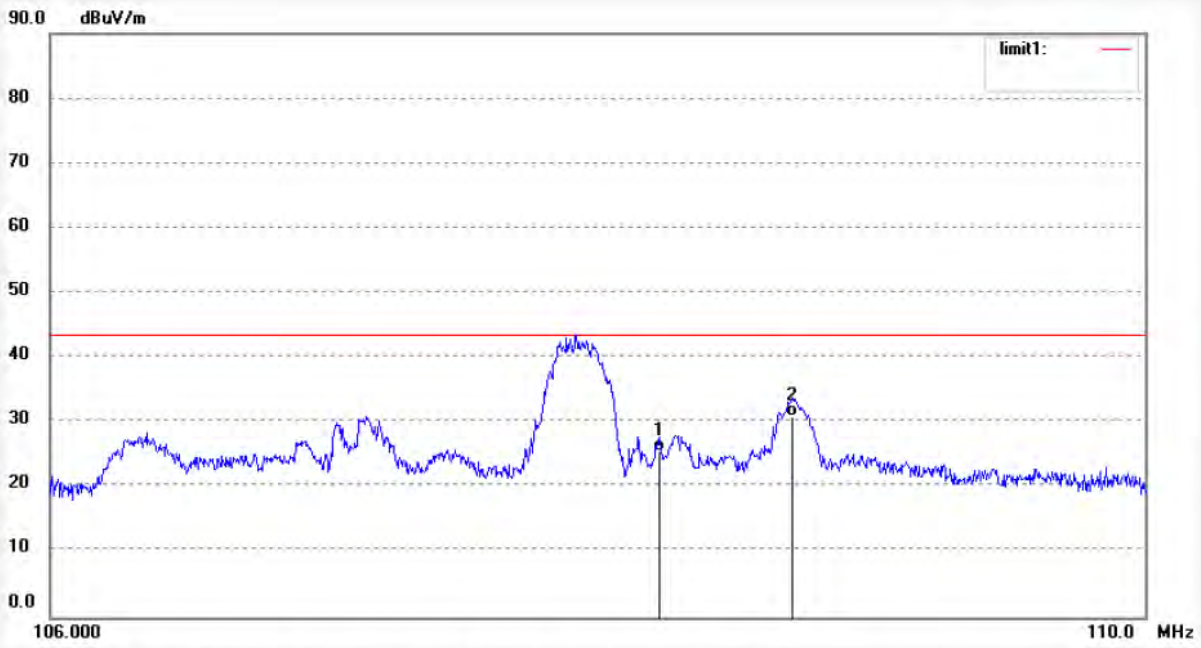
Fax:+86-0755-26503396

Job No.: ALEN #600	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 12V
Test item: Radiation Test	Date: 12/11/17/
Temp.(C)/Hum.(%) 23 C / 49 %	Time: 9/35/39
EUT: Hipstreet FM Transmitter	Engineer Signature:
Mode: FM 107.9MHz(USB)	Distance: 3m
Model: HS-FMTI72LCD	
Manufacturer: Kobian	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	108.2000	11.68	13.95	25.63	43.50	-17.87	QP			
2	108.6932	16.87	13.96	30.83	43.50	-12.67	QP			

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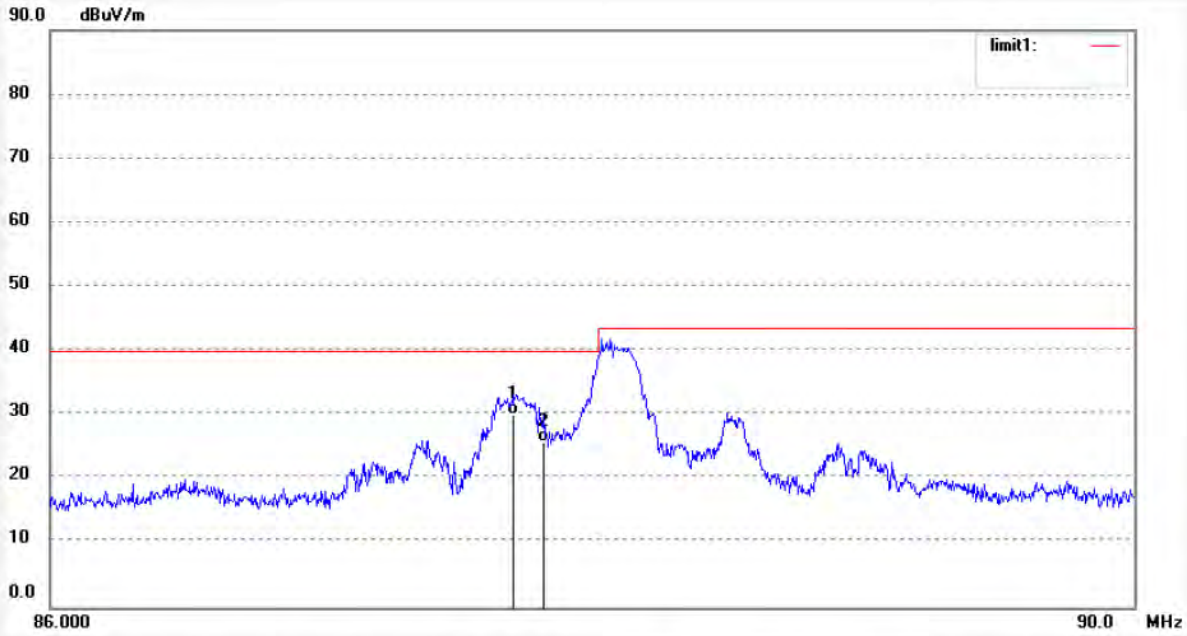
Fax:+86-0755-26503396

Job No.: ALEN #595	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 12V
Test item: Radiation Test	Date: 12/11/17/
Temp.(C)/Hum.(%) 23 C / 49 %	Time: 9/30/03
EUT: Hipstreet FM Transmitter	Engineer Signature:
Mode: FM 88.1MHz(SD)	Distance: 3m
Model: HS-FMTI72LCD	
Manufacturer: Kobian	

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	87.6890	16.32	13.72	30.04	40.00	-9.96	QP			
2	87.8000	12.01	13.72	25.73	40.00	-14.27	QP			

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Job No.: ALEN #596	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 12V
Test item: Radiation Test	Date: 12/11/17/
Temp.(C)/Hum.(%) 23 C / 49 %	Time: 9/30/39
EUT: Hipstreet FM Transmitter	Engineer Signature:
Mode: FM 88.1MHz(SD)	Distance: 3m
Model: HS-FMTI72LCD	
Manufacturer: Kobian	

Note:

No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	87.2309	15.32	13.70	29.02	40.00	-10.98	QP			
2	87.8050	9.69	13.72	23.41	40.00	-16.59	QP			

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Fax:+86-0755-26503396

Job No.: ALEN #594	Polarization: Vertical
Standard: FCC Class B 3M Radiated	Power Source: DC 12V
Test item: Radiation Test	Date: 12/11/17/
Temp.(C)/Hum.(%) 23 C / 49 %	Time: 9/27/48
EUT: Hipstreet FM Transmitter	Engineer Signature:
Mode: FM 107.9MHz(SD)	Distance: 3m
Model: HS-FMTI72LCD	
Manufacturer: Kobian	

Note:

No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	108.2000	6.65	13.95	20.60	43.50	-22.90	QP			
2	108.7052	14.24	13.96	28.20	43.50	-15.30	QP			

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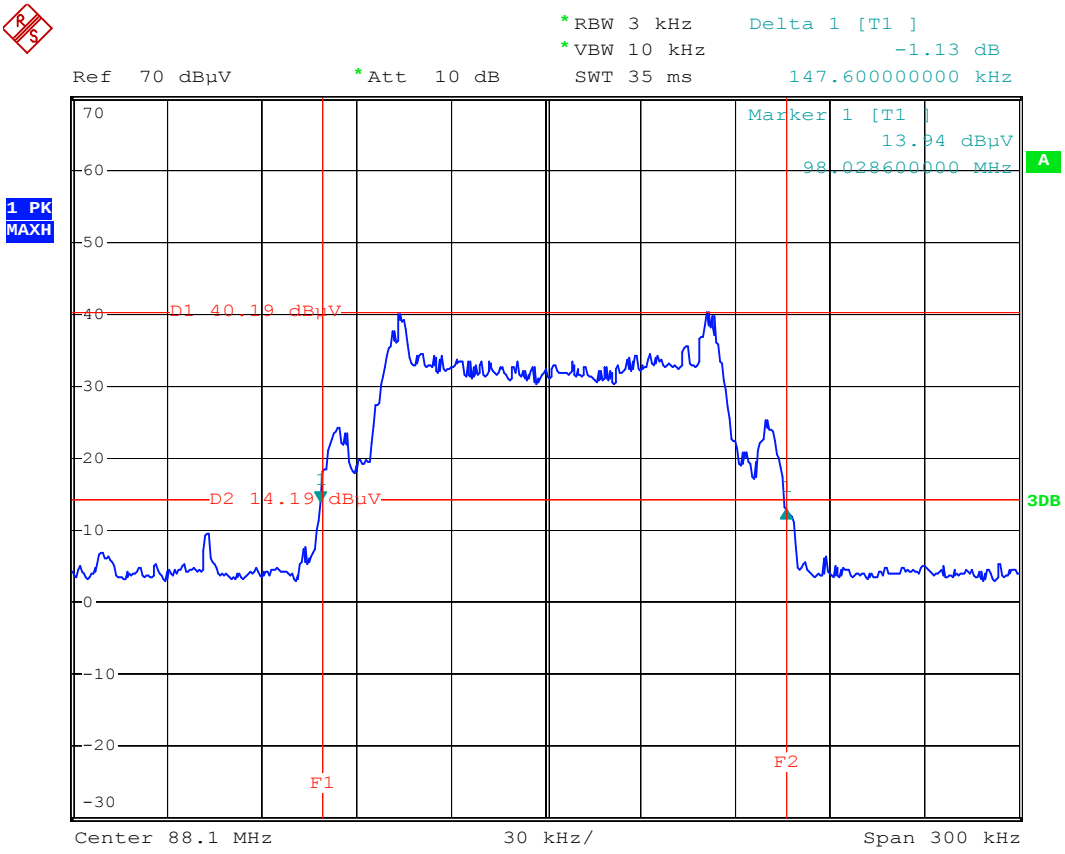
Fax:+86-0755-26503396

Job No.: ALEN #593	Polarization: Horizontal
Standard: FCC Class B 3M Radiated	Power Source: DC 12V
Test item: Radiation Test	Date: 12/11/17/
Temp.(C)/Hum.(%) 23 C / 49 %	Time: 9/27/17
EUT: Hipstreet FM Transmitter	Engineer Signature:
Mode: FM 107.9MHz(SD)	Distance: 3m
Model: HS-FMTI72LCD	
Manufacturer: Kobian	

Note:

No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	108.2000	8.36	13.95	22.31	43.50	-21.19	QP			
2	108.6851	20.57	13.96	34.53	43.50	-8.97	QP			

TX with Line in



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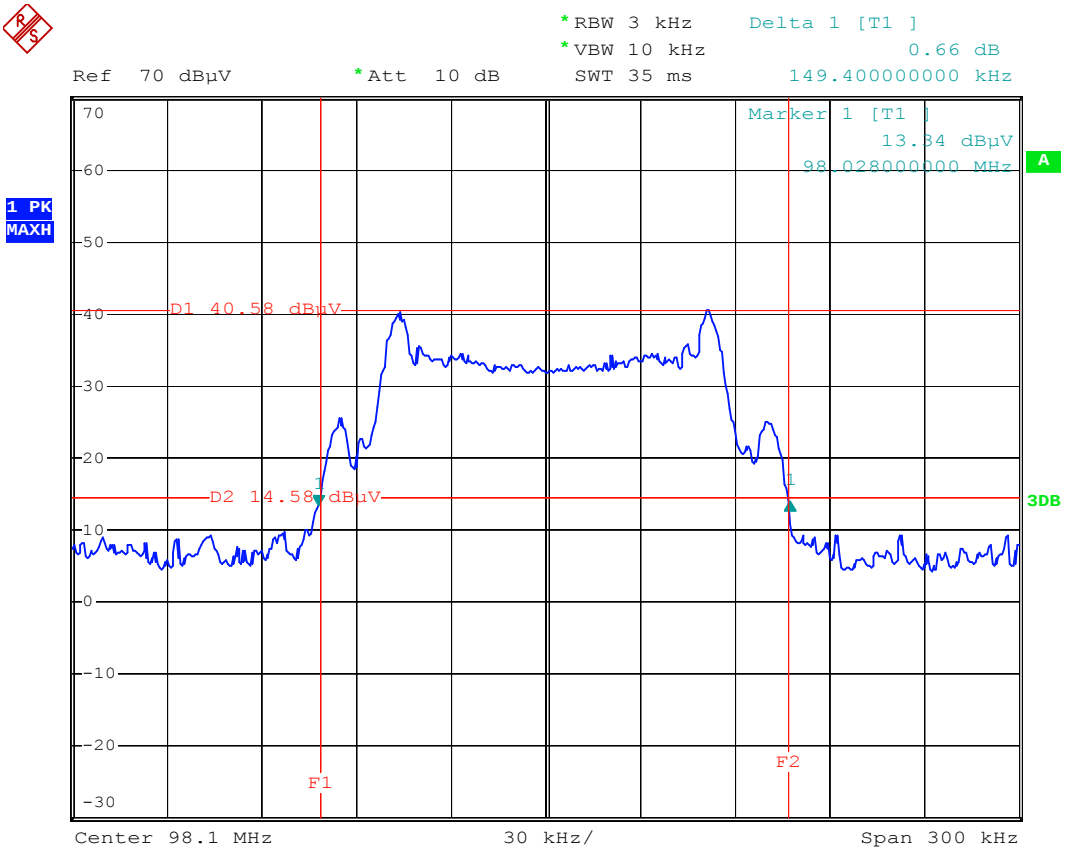

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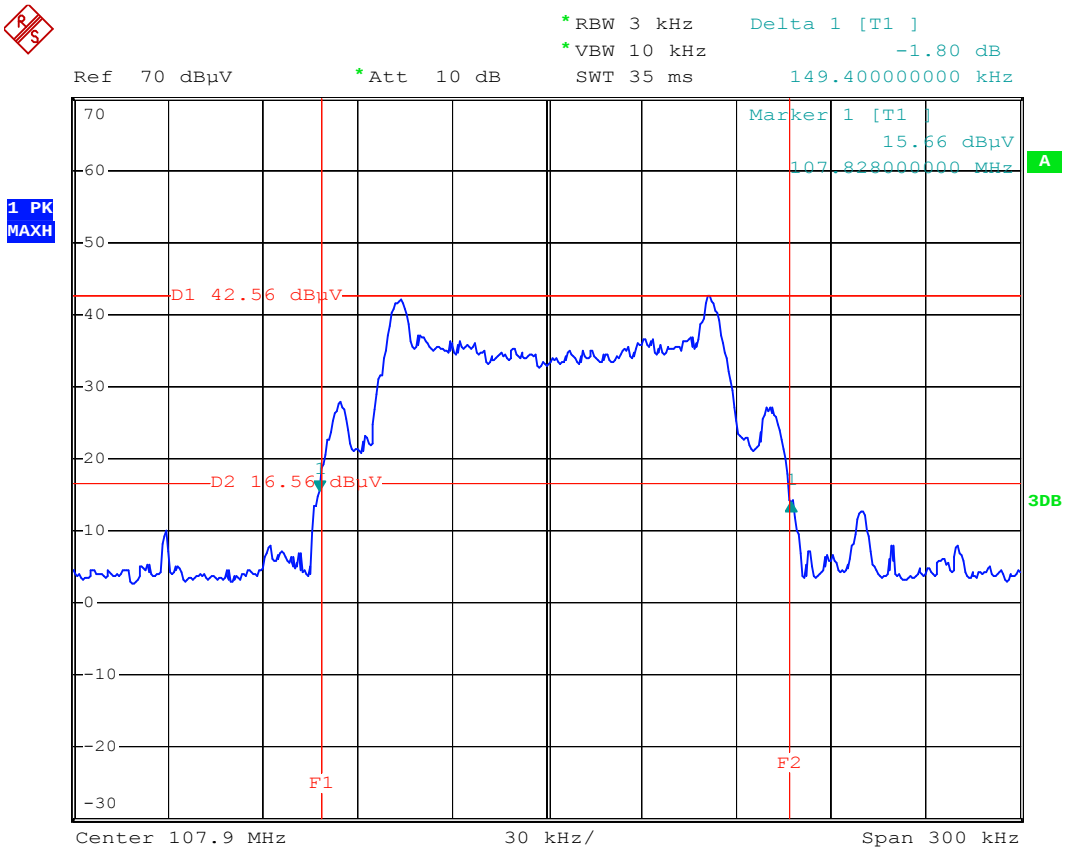

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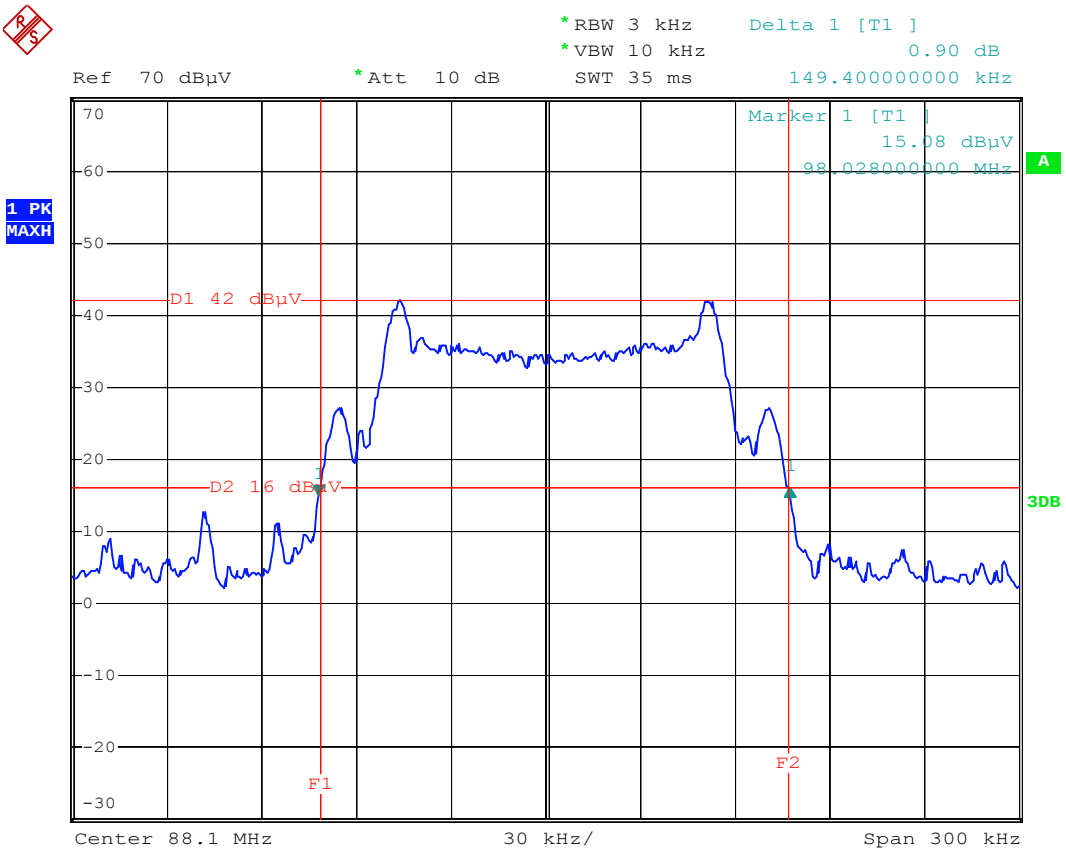

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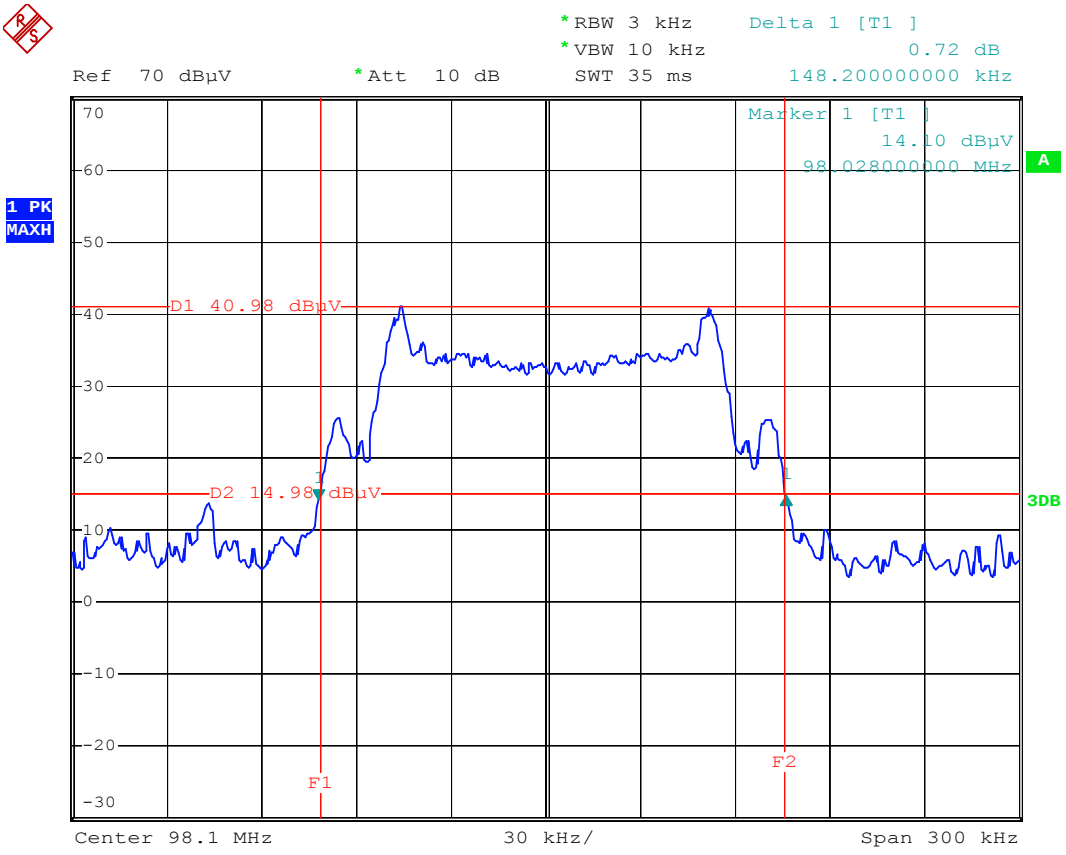

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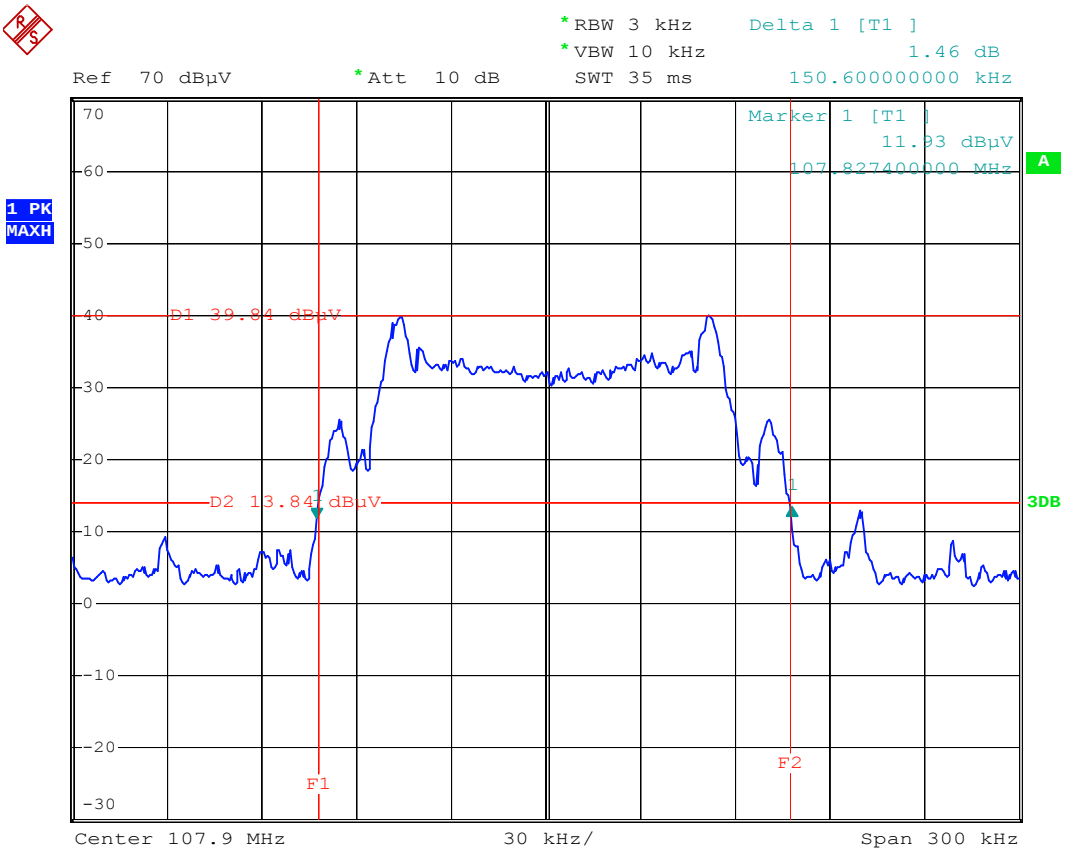

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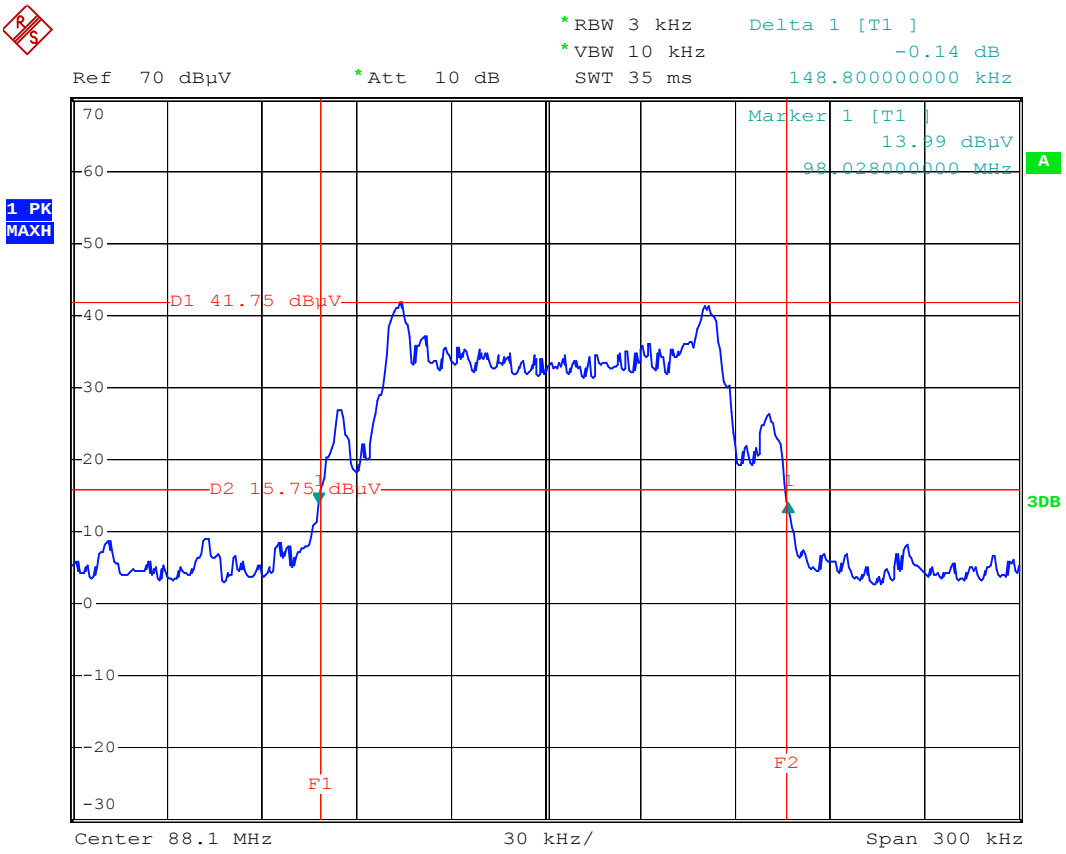

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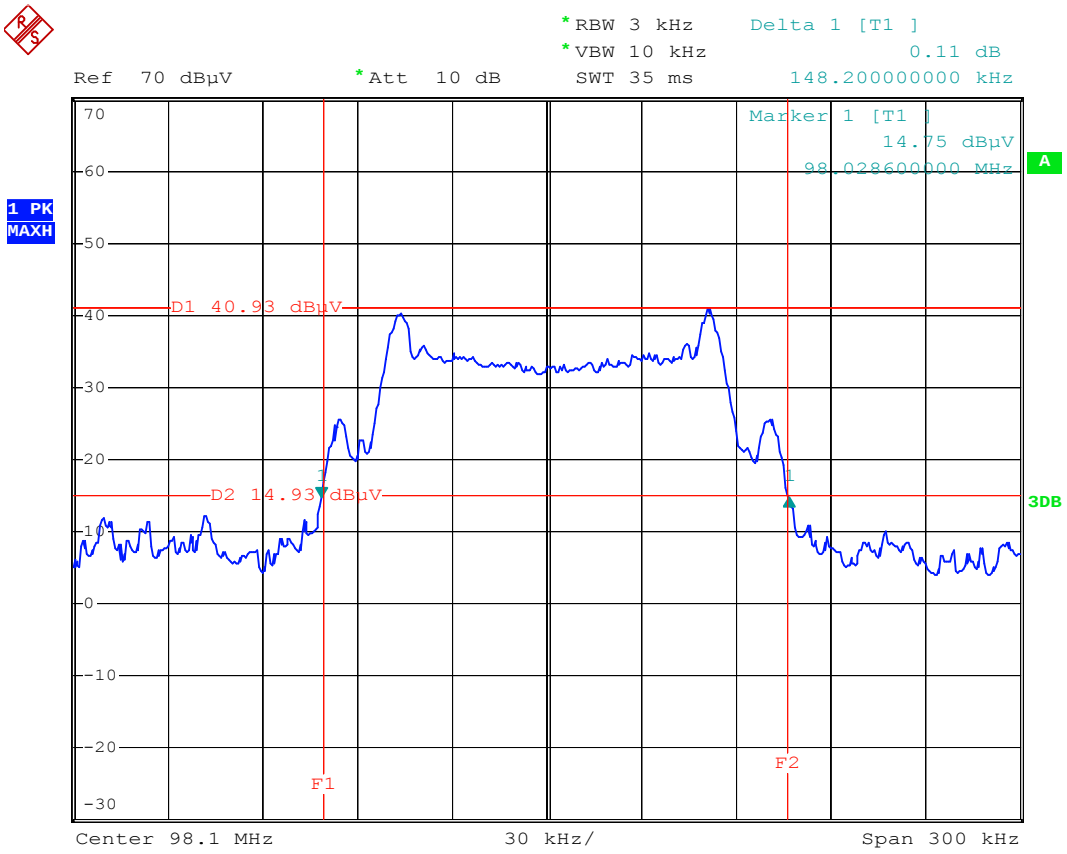

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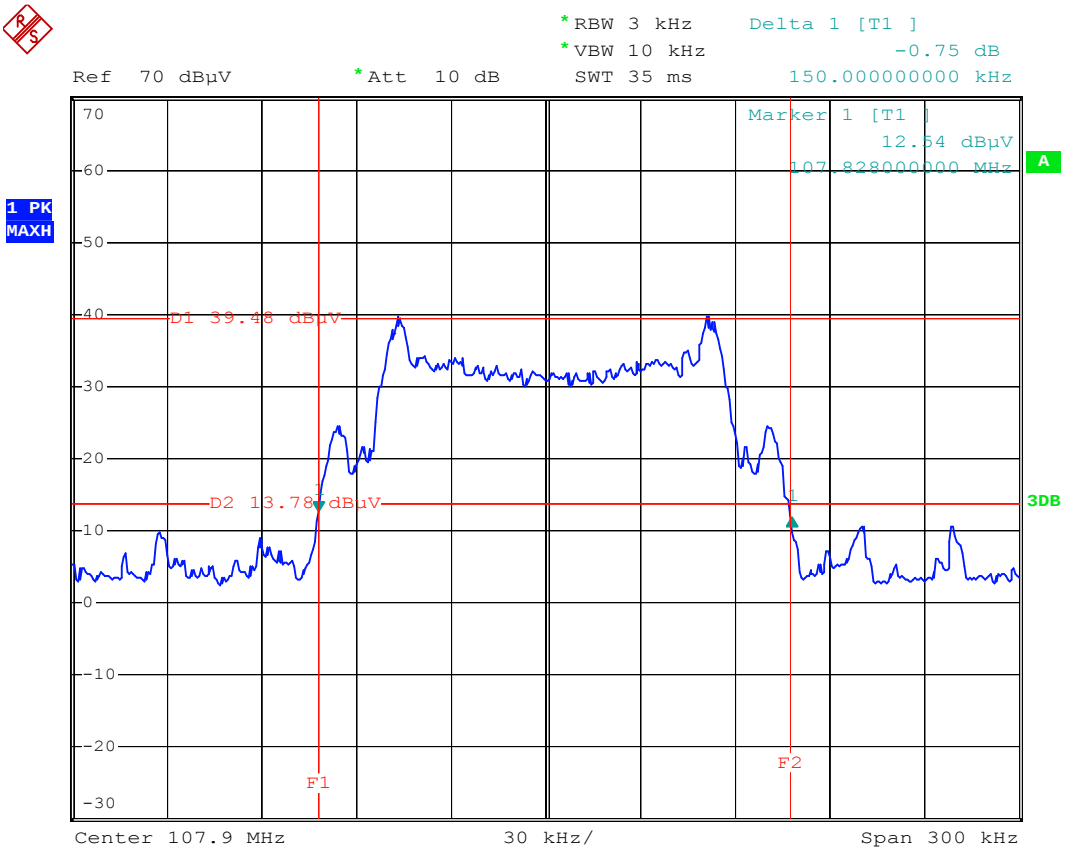

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