TÜVRheinland®

Produkte
Products

Prüfbericht - Nr.: *Test Report No.:*	**10031957 001**		**Seite 1 von 39** *Page 1 of 39*
Auftraggeber: *Client:*	**Vencer Co., Ltd.** 20F-1, No.77, Sec. 1, Hsin Tai Wu Rd., Hsi-Chih, Taipei Hsien, Taiwan 22101, R.O.C.		
Gegenstand der Prüfung: *Test item:*	Bluetooth Stereo Audio Adapter		
Bezeichnung: *Identification:*	VD-3302	**Serien-Nr.:** *Serial No.:*	N/A
Wareneingangs-Nr.: *Receipt No.:*	TPE62912	**Eingangsdatum:** *Date of receipt:*	2011/05/17
Prüfort: *Testing location:*	**TÜV Rheinland Taiwan Ltd.** 11F., No.758, Sec. 4, Bade Rd., Songshan Dist., Taipei City 105 Taiwan **FCC Registration No.: 365730**		
Prüfgrundlage: *Test specification:*	**FCC CFR47 Part 15: Subpart C Section 15.247** **FCC CFR47 Part 15: Subpart C Section 15.209** **FCC CFR47 Part 15: Subpart C Section 15.207** **FCC CFR47 Part 15: Subpart C Section 15.205**		
Prüfergebnis: *Test Result:*	**Der Prüfgegenstand entspricht oben genannter Prüfgrundlage(n).** *The test item passed the test specification(s).*		
Prüflaboratorium: *Testing Laboratory:*	**TÜV Rheinland Taiwan Ltd.**		

geprüft/ *tested by:*			**kontrolliert**/ *reviewed by:*		
i.A.					
2011-07-28	Arvin Ho/Project Manager		2011-08-02	Shawn Peng/Manager	
Datum *Date*	**Name/Stellung** *Name/Position*	**Unterschrift** *Signature*	**Datum** *Date*	**Name/Stellung** *Name/Position*	**Unterschrift** *Signature*

Sonstiges/ *Other Aspects:*

Abkürzungen:				*Abbreviations:*			
P(ass)	=	*entspricht Prüfgrundlage*		*P(ass)*	=	*passed*	
F(ail)	=	*entspricht nicht Prüfgrundlage*		*F(ail)*	=	*failed*	
N/A	=	*nicht anwendbar*		*N/A*	=	*not applicable*	
N/T	=	*nicht getestet*		*N/T*	=	*not tested*	

TEST SUMMARY

5.1.1 ANTENNA REQUIREMENT
RESULT: Passed

5.1.2 PEAK OUTPUT POWER
RESULT: Passed

5.1.3 20DB BANDWIDTH
RESULT: Passed

5.1.4 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100KHZ BANDWIDTH
RESULT: Passed

5.1.5 SPURIOUS EMISSION
RESULT: Passed

5.1.6 FREQUENCY SEPARATION
RESULT: Passed

5.1.7 NUMBER OF HOPPING FREQUENCY
RESULT: Passed

5.1.8 TIME OF OCCUPANCY
RESULT: Passed

5.1.9 CONDUCTED EMISSION
RESULT: Passed

6.1.1 ELECTROMAGNETIC FIELDS
RESULT: Passed

Contents

1. General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix 1: Test Result of Radiated Emissions (File:AHO20110510)

Appendix 2: Test Result of Conducted Emissions (File:113144261)

Test Specifications
The following standards were applied (in bold: product standards, otherwise: basic standards).

Table 1: Applied Standard and Test Levels

Radio
FCC CFR47 Part 15: Subpart **C Section 15.247**

2. Test Sites

2.1 Test Facilities

TUV Rheinland Taiwan Ltd.

11F. No.758, Sec. 4, Bade Rd., Songshan Dist.
Taipei City 105
Taiwan (R.O.C.)
FCC Registration No.: 365730

2.2 List of Test and Measurement Instruments

Table 2: List of Test and Measurement Equipment

Kind of Equipment	Manufacturer	Type	S/N	Calibrated until
EMI Test Receiver	R&S	ESCI 7	1166.5950K07-100797-Pt	Nov. 09, 2011
Bilog Antenna	TESEQ	CBL6111D	29802	Oct. 01, 2011
Pre-Amplifier	HP	8447F	2805A03335	Jan. 02, 2012
Spectrum Analyzer	R&S	FSV 40	100921	Oct. 12, 2012
Horn Antenna (1GHz~18GHz)	COM-POWER	AHA118	701101	Dec. 27, 2012
Horn Antenna (18GHz~25GHz)	COM-POWER	AH840	101031	Oct. 1, 2012
Power meter	R&S	NRVD	100439	Mar. 25, 2012
Power sensor	R&S	NRV-Z1	100013	Mar. 25, 2012
Temp. & Humid. Chamber	Giant Force	GCT-099-40-S	MAF0103-007	May. 13, 2013

2.3 Traceability

All measurement equipment calibrations are traceable to NML(Taiwan)/NIST(USA) or where calibration is performed outside Taiwan, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basics using in house standards or comparisons.

2.5 Measurement Uncertainty

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements are ±3dB.

Table 3: Emission Measurement Uncertainty

Parameter	Uncertainty
Radio Frequency	± 1 x 10^{-7}
RF power, conducted	± 1 dB
Adjacent channel power	± 3 dB
Radiated emission of transmitter, valid up to 26 GHz	± 6 dB
Radiated emission of receiver, valid up to 26 GHz	± 6 dB
Temperature	± 2 ºC
Humidity	± 10 %

3. General Product Information

3.1 Product Function and Intended Use

The equipment, model as shown on the cover page, is a Bluetooth stereo receiver dongle developed for connection to other Bluetooth stereo devices such as mobile phone, desktop or notebook computer, PDA; which support A2DP profile.
For details refer to the User Guide, Data Sheet and Circuit Diagram.

3.2 Ratings and System Details

Table 4: Rating of EUT

Kind of Equipment:	Bluetooth Stereo Audio Adapter
Type Designation:	VD-3302
FCC ID	VHVBTVD3202

Table 5: Technical Specification of EUT

Technical Specification	Value
Operating Frequency band	2402 – 2480 MHz
Channel separation	1MHz
Number of Channels	79
Extreme Temperature Range	-10ºC to 50ºC
Operation Voltage	DC 5.0V (via built-in Micro USB port)
Modulation	FHSS, GFSK, 8DPSK, $\pi/4$ DQPSK
Antenna Type	Internal Antenna, Non-User Replaceable
Antenna Gain	1.39dBi

Table 6: Frequency hopping information

Technical Specification	Description
Hopping Range	Hereby we declare that the maximum frequency of this device is: 2402-2480MHz. This is according the Bluetooth Core Specification V2.1+EDR for devices which will be operated in the USA. This was checked during the Bluetooth Qualification tests (Test Case: TRM/CA/04-E).
Hopping Sequence	Example of a 79 hopping sequence in data mode: 33,04,21,44,23,42,53,46,55,48,40,59,72,29,76,31,08,73, 07,75,09,45,60,39,58,13,47,11,77,52,35,50,65,54,67,56, 69,62,71,64, 7,25,27,66,57,70,74,61,78,63,10,41,05,43, 15,44,64,68,02,70,06,01,51,03,55,05,03,66,53,49,36,47,
Receiver input bandwidth	The input bandwidth of the receiver is 1MHz. In every connection one Bluetooth device is the master and the other one is the slave. The master determines the hopping sequence. The slave follows this sequence. Both devices shift between RX and TX time slot according to the clock of the master. Additionally the type of connection is set up at the beginning of the connection. The master adapts its hopping frequency and its TX/RX timing according to the packet type of the connection. Also the slave of the connection will use these settings. Repeating of a packer has no influence on the hopping sequence. The hopping sequence generated by the master of the connection will be followed in any case. That means a repeated packet will not be send on the same frequency, it is send on the next frequency of the hopping sequence.

3.3 Independent Operation Modes

The basic operation modes are:

A. Transmitting
   1. Low channel
   2. Middle channel
   3. High channel

B. Receiving
C. Standby
D. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

3.5 Submitted Documents

- Bill of Material
- Circuit Diagram
- PCB Layout
- Instruction Manual
- Photo Document
- Rating Label
- Technical Description

4. Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

The equipment under test (EUT) was configured to measure its maximum power level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 4. All testing were performed according to the procedures in ANSI C63.4: 2003.

Full test was applied on all test modes, but only worst case was shown.

4.3 Special Accessories and Auxiliary Equipment

The product has been tested together with the following additional accessories:

Kind of Equipment	Manufacturer	Model Name	S/N
DC Power Supply	PeakTech	2250	0188
Power Adaptor	YiXing ChuangXing Electronic Co., Ltd.	CX-SW-1002	MOC005005WB3A

4.4 Countermeasures to achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Constructional Data Form or the Technical Construction File. No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test

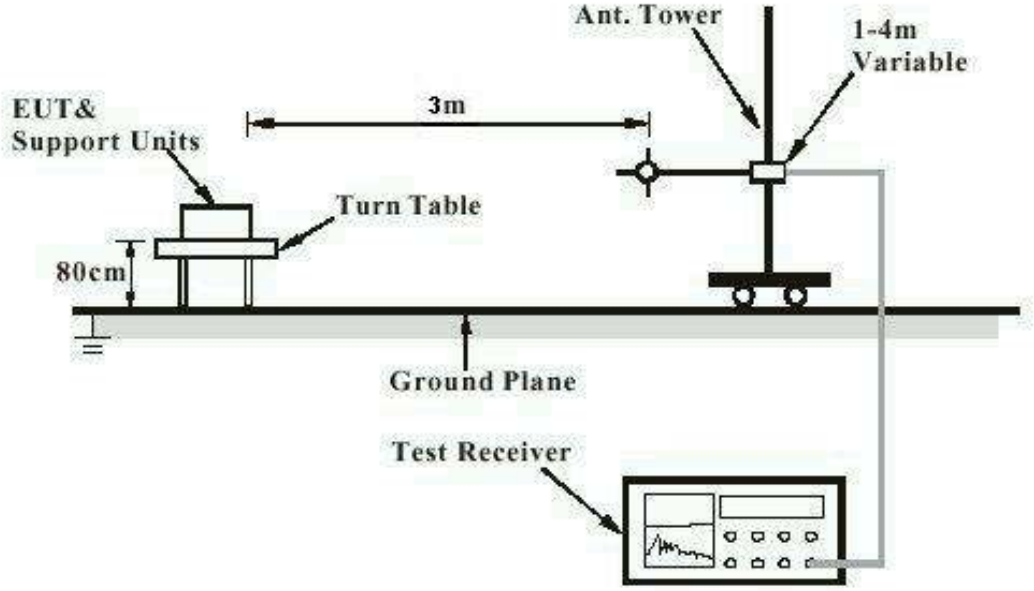


Diagram of Measurement Equipment Configuration for Mains Conduction Measurement

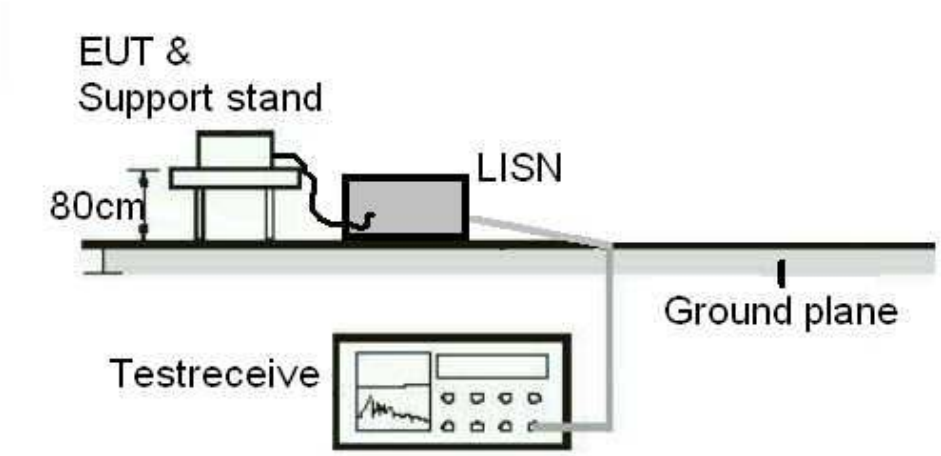
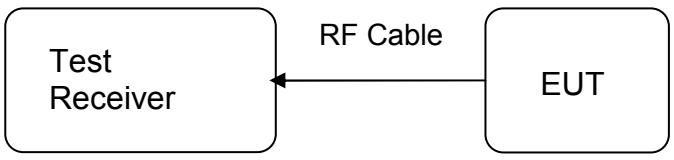


Diagram of Measurement Equipment Configuration for Conducted Transmitter Measurement



5. Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT: **Passed**

Test date	:	2011-04-18
Test standard	:	FCC Part 15.247(b)(4) and Part 15.203
Limit	:	the use of antennas with directional gains that do not exceed 6 dBi

According to the manufacturer declaration, the EUT has an internal antenna with an directional gain of 1.39dBi, and the antenna is a printed PCB trace with no possibility of replacement. Therefore, the EUT is considered to comply the provision.

Refer to EUT photo for details.

5.1.2 Peak Output Power

RESULT: **Passed**

Test date	:	2011-04-18
Test standard	:	FCC Part 15.247(b)(1)
Basic standard	:	ANSI C63.4: 2003
Limit	:	1 Watt
Kind of test site	:	Shielded room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A
Ambient temperature	:	22℃
Relative humidity	:	52%
Atmospheric pressure	:	101 kPa

Table 7: Test result of Peak Output Power, GFSK modulation

Channel	Channel Frequency (MHz)	Peak Output Power		Limit
		(dBm)	(W)	(W)
Low Channel	2402	1.44	0.00139	1
Middle Channel	2441	1.36	0.00137	1
High Channel	2480	1.11	0.00129	1

Table 8: Test result of Peak Output Power, 8DPSK modulation

Channel	Channel Frequency (MHz)	Peak Output Power		Limit
		(dBm)	(W)	(W)
Low Channel	2402	1.26	0.00134	1
Middle Channel	2441	1.03	0.00127	1
High Channel	2480	0.87	0.00122	1

5.1.3 20dB Bandwidth

RESULT: **Passed**

Date of testing	:	2011-07-22
Test standard	:	FCC Part 15.247(a)(1)
Basic standard	:	ANSI C63.4: 2003
Kind of test site	:	Shielded room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A
Ambient temperature	:	24℃
Relative humidity	:	53%
Atmospheric pressure	:	101 kPa

Table 9: Test result of 20dB Bandwidth, GFSK modulation

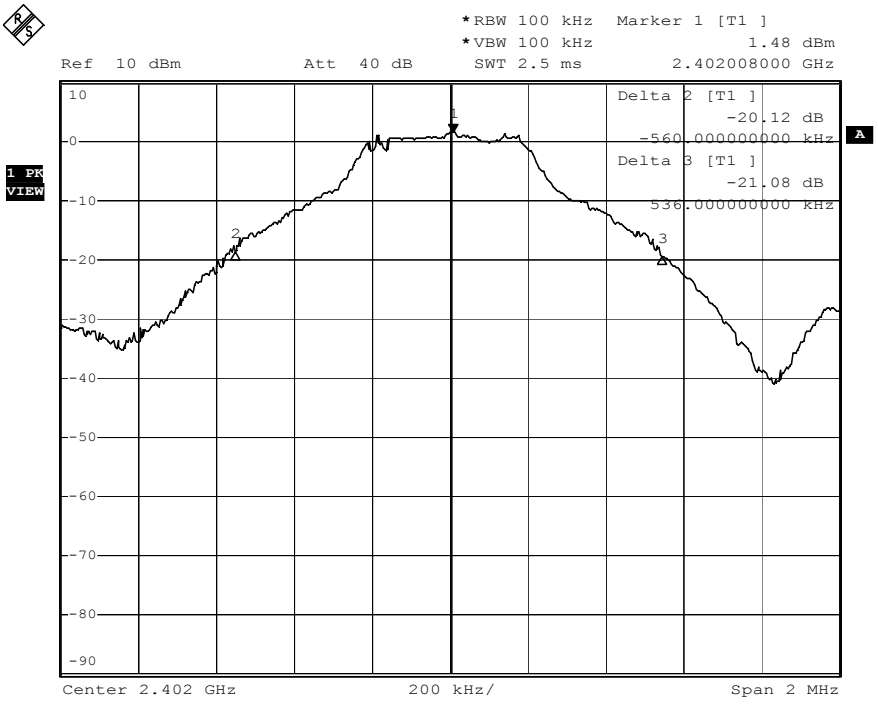
Channel	Channel Frequency (MHz)	20dB Bandwidth (kHz)	Limit (MHz)	Result
Low Channel	2402	1096	/	Pass
Mid Channel	2441	1096	/	Pass
High Channel	2480	1104	/	Pass

Table 10: Test result of 20dB Bandwidth, 8DPSK modulation

Channel	Channel Frequency (MHz)	20dB Bandwidth (MHz)	Limit (MHz)	Result
Low Channel	2402	1.368	/	Pass
Mid Channel	2441	1.356	/	Pass
High Channel	2480	1.380	/	Pass

Test Plot of 20dB Bandwidth, GFSK modulation

Low Channel



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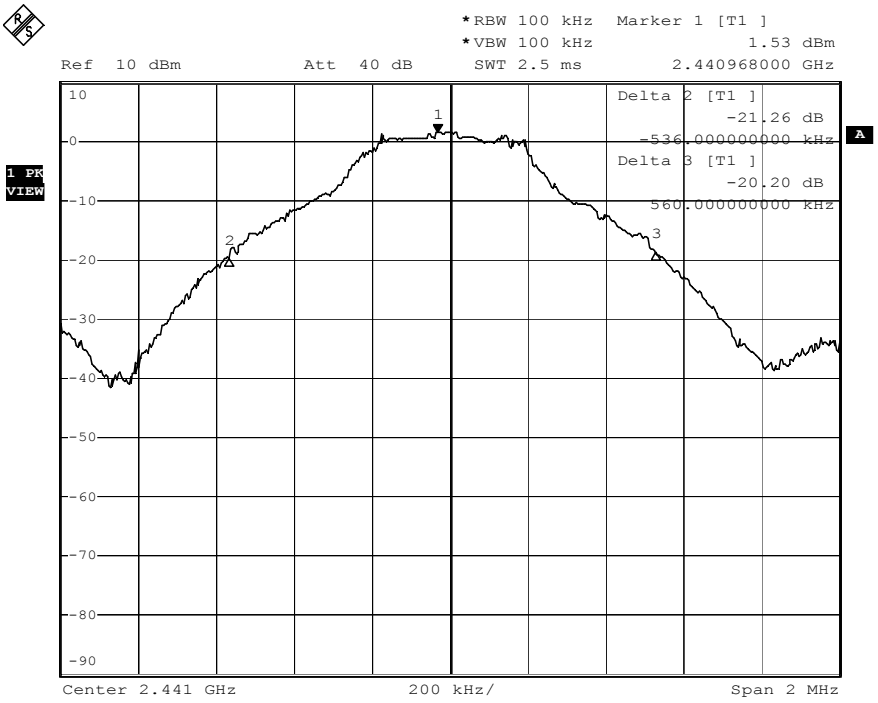
Middle Channel



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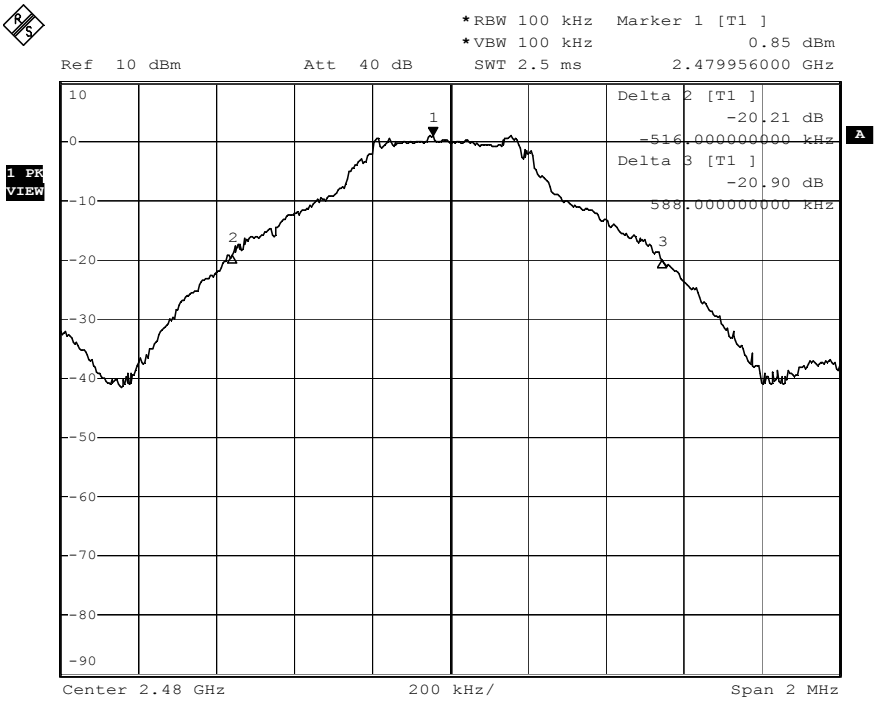
High Channel



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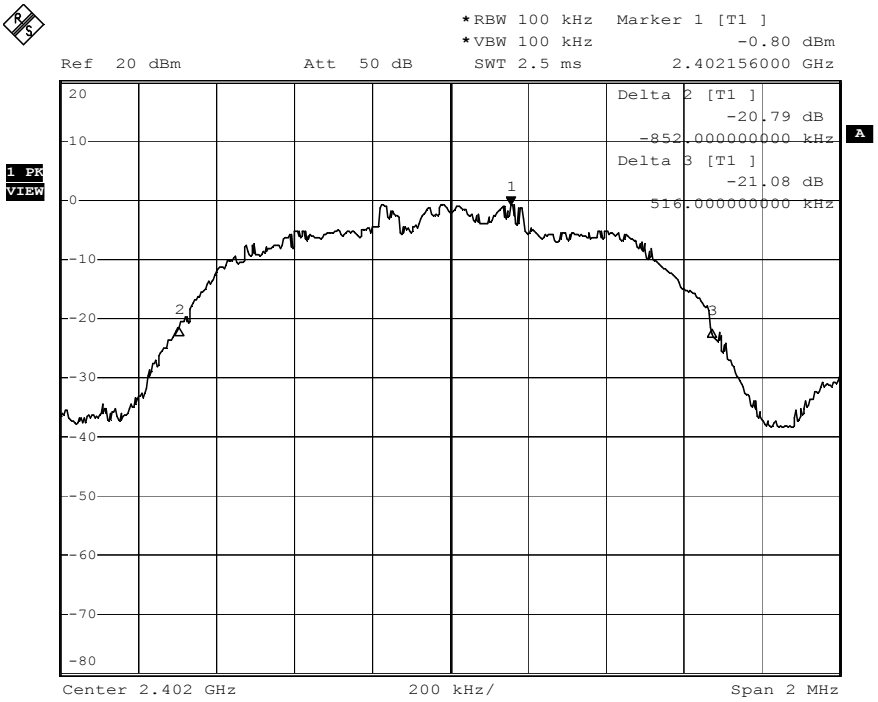
Test Plot of 20dB Bandwidth, 8DPSK modulation

Low Channel



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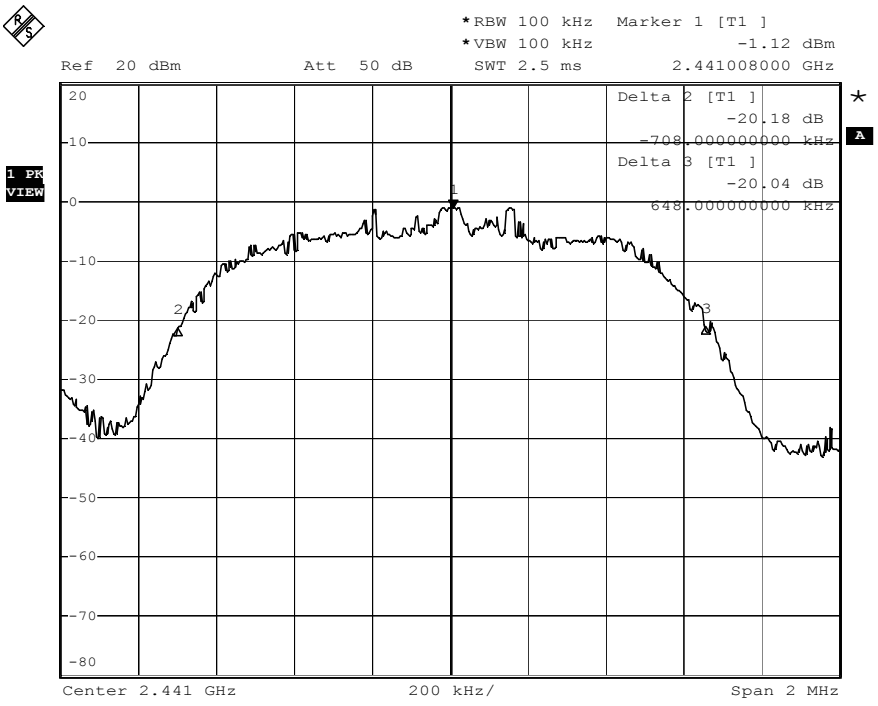
Middle Channel



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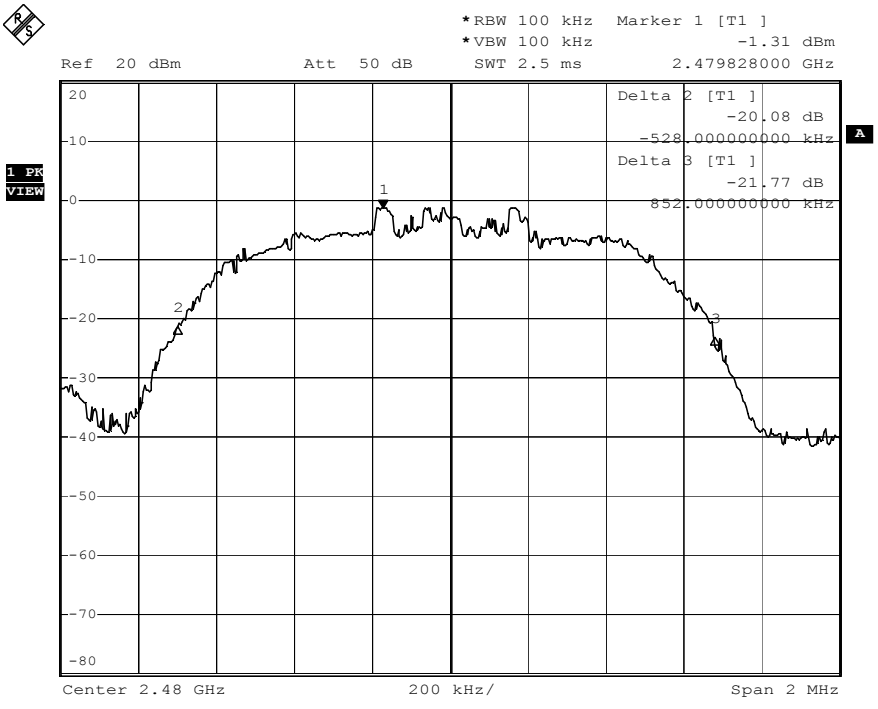
High Channel



Date: 22.JUL.2011 16:45:20

5.1.4 Conducted spurious emissions measured in 100kHz Bandwidth

RESULT: **Passed**

Date of testing	:	2011-07-25
Test standard	:	FCC part 15.247(d)
Basic standard	:	ANSI C63.4: 2003
Limit	:	20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power)
Kind of test site	:	Shielded room

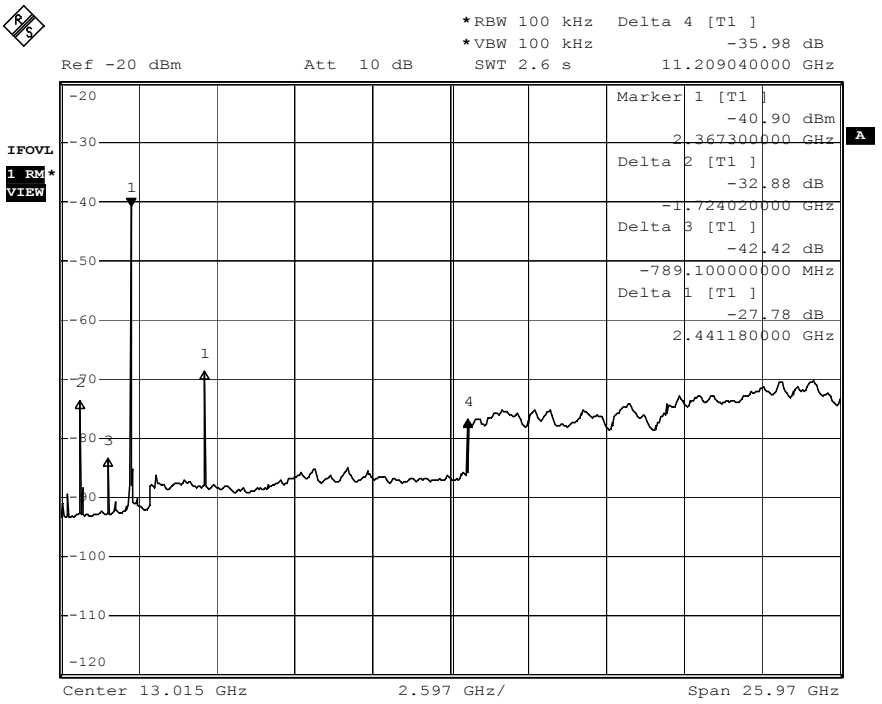
Test setup

Test Channel	:	Low/ High
Operation mode	:	A
Ambient temperature	:	22℃
Relative humidity	:	52%
Atmospheric pressure	:	101 kPa

All emissions are more than 20dB below fundamental, details refer to following test plot, and compliance is achived as well.
Due to the small size of the equipment, the frequency range starting from 30MHz was investigated.

Test Plot of 100kHz Bandwidth of Frequency Band Edge, GFSK modulation

Low Channel



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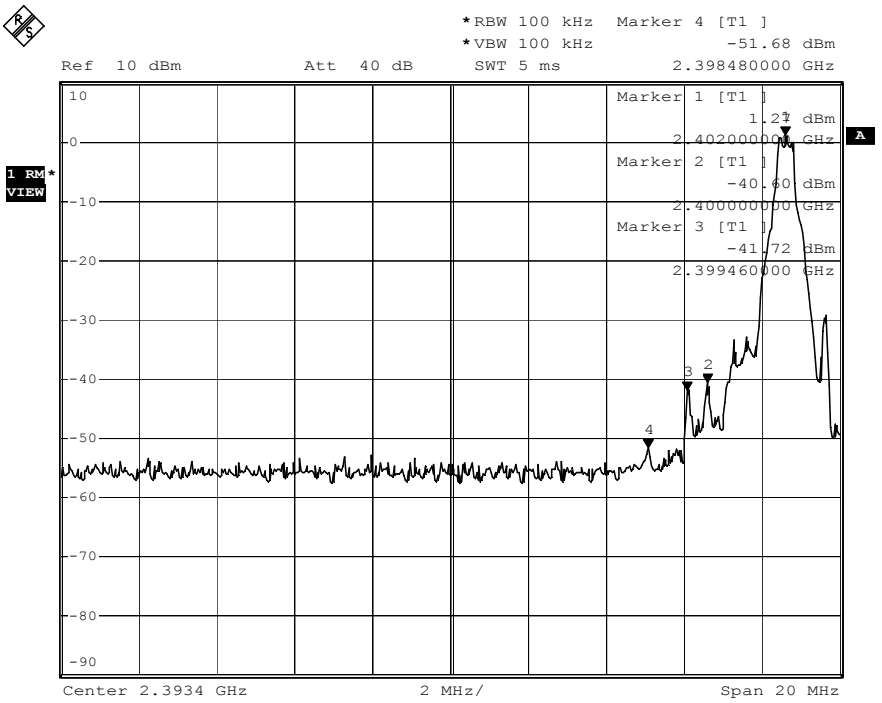

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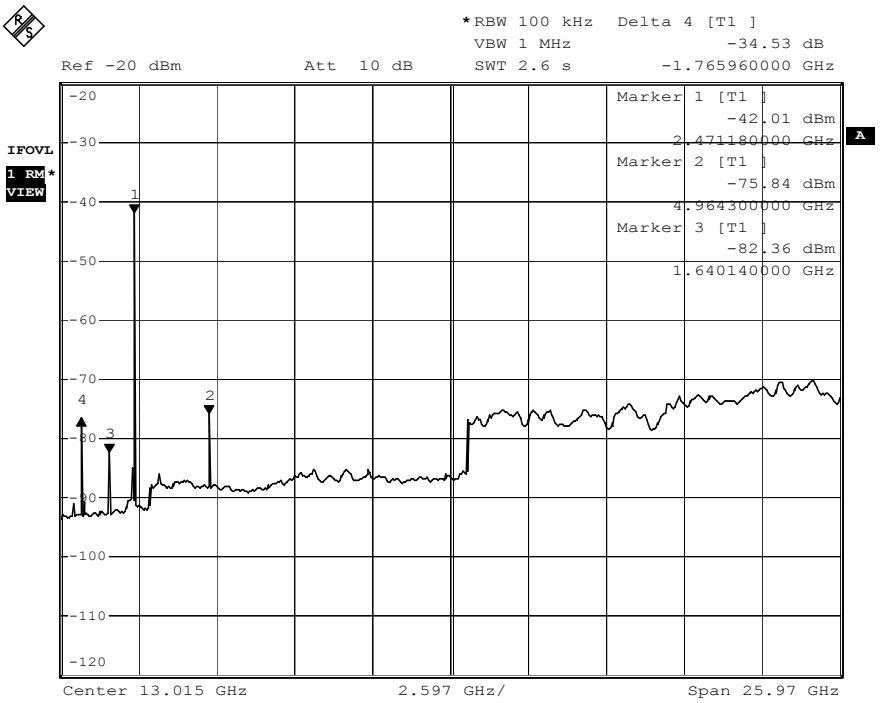
High Channel



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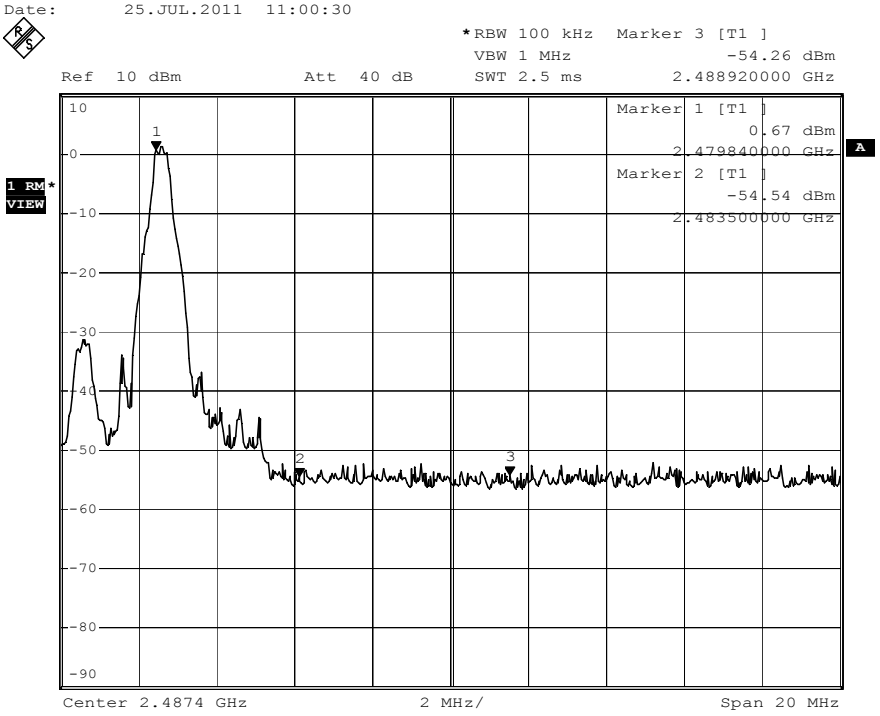

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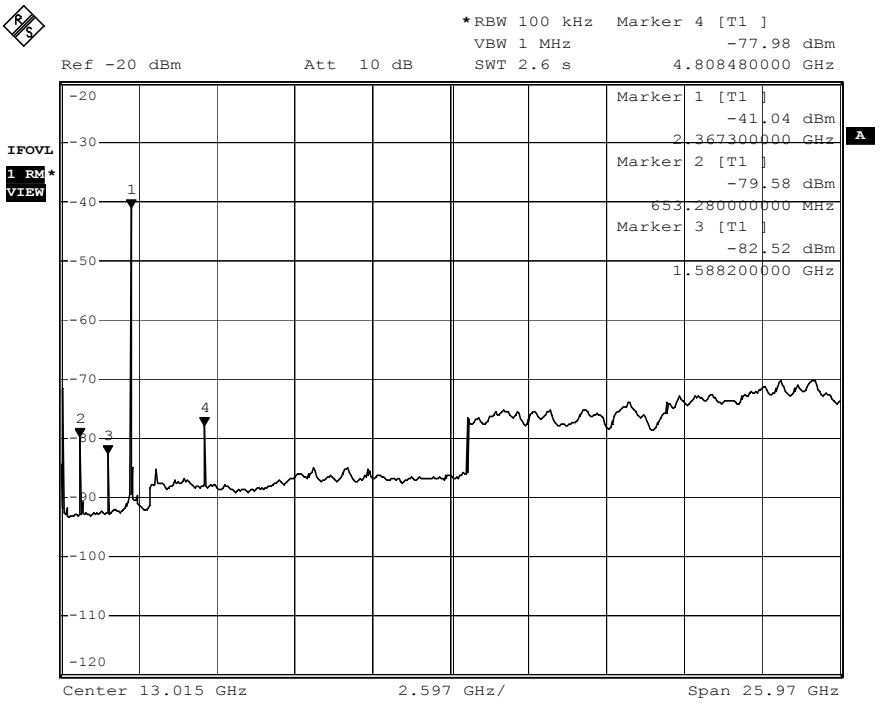
Test Plot of 100kHz Bandwidth of Frequency Band Edge, 8DPSK modulation

Low Channel



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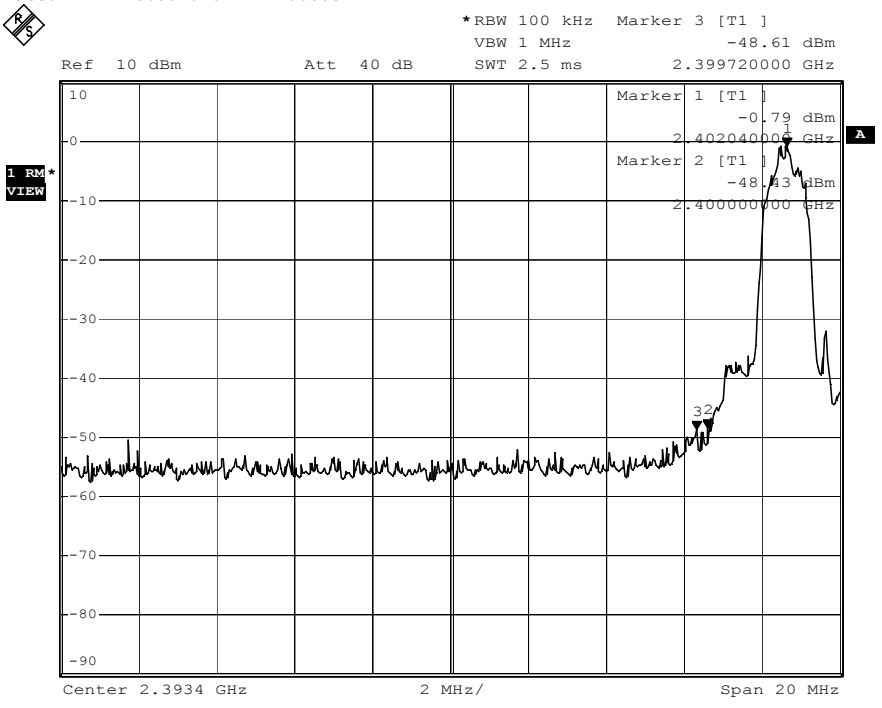

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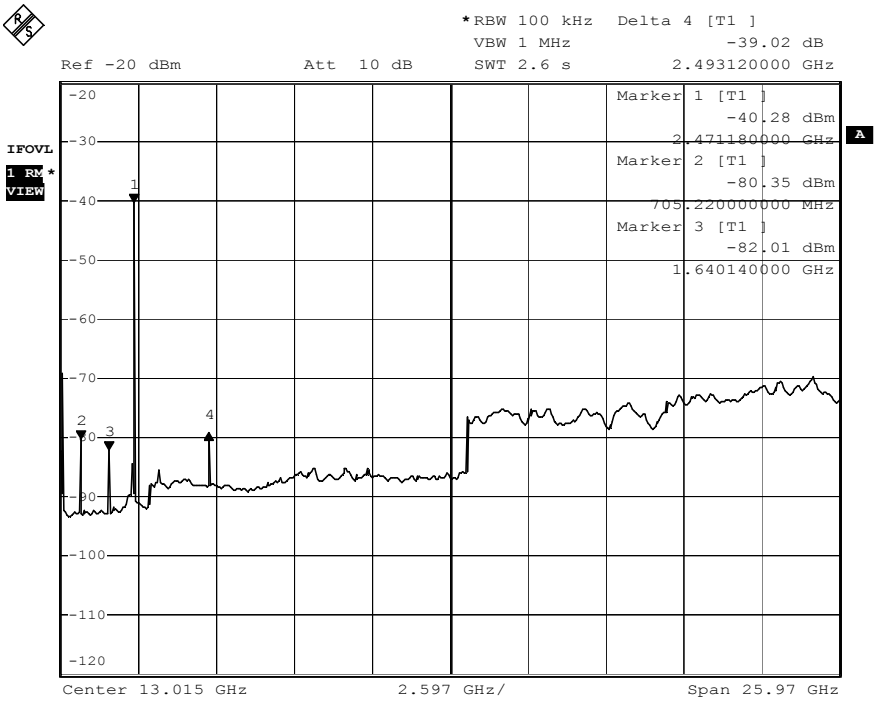
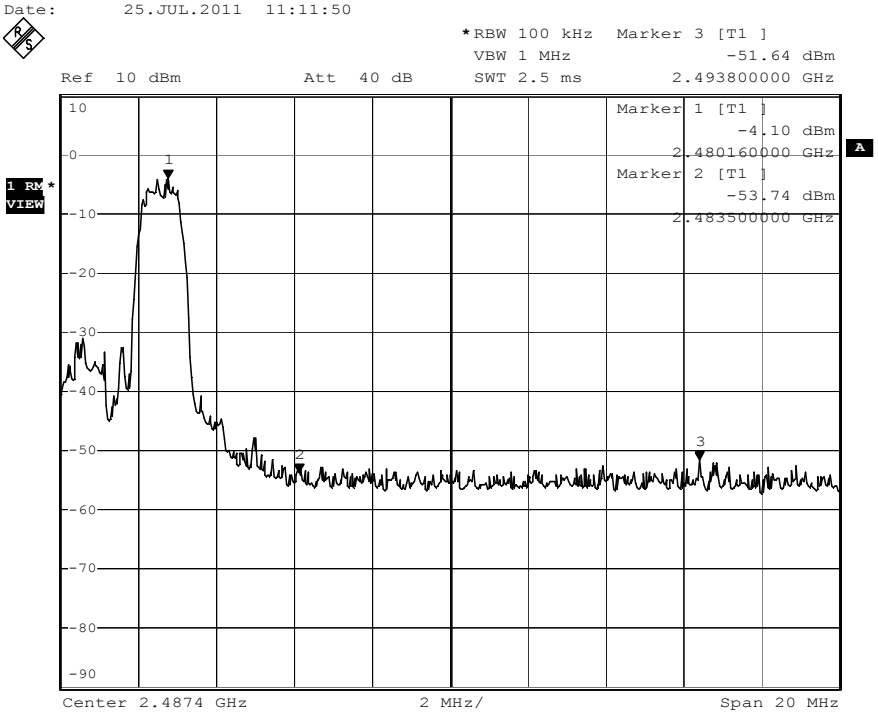
High Channel





5.1.5 Spurious Emission

RESULT: **Passed**

Date of testing	:	2011-05-11
Test standard	:	FCC part 15.247(d)
Basic standard	:	ANSI C63.4: 2003
Limits	:	Refer to 15.209(a) of FCC part 15.247(d) In addition, radiated emissions which fall in the restricted bands, must also comply with the radiated emission limits specified in 15.209(a)
Kind of test site	:	3m Semi-Anechoic Chamber

Test setup

Test Channel	:	Low/ Middle/ High
Operation mode	:	A, C
Ambient temperature	:	24℃
Relative humidity	:	56%
Atmospheric pressure	:	101 kPa

Remark: Testing was carried out within frequency range 9kHz to the tenth harmonics. For details refer to Appendix 1. The Radiated Emissions testing was performed in the X, Y and Z axis mode. The X Axis mode is the worst-case recorded in this test report.

5.1.6 Frequency Separation

RESULT: **Passed**

Date of testing	:	2011-07-22
Test standard	:	FCC part 15.247(a)(1)
Basic standard	:	ANSI C63.4: 2003
Limit	:	≥ 25kHz or 2/3 of 20dB bandwidth, whichever is greater

Test setup

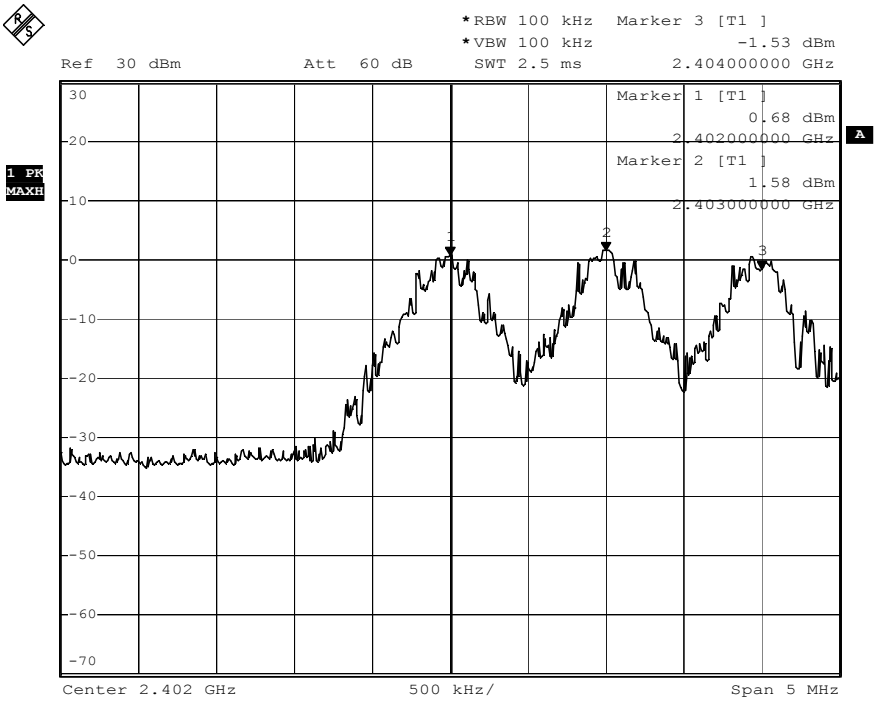
Test Channel	:	Low/ Middle/ High
Operation Mode	:	A
Ambient temperature	:	24℃
Relative humidity	:	53%
Atmospheric pressure	:	101 kPa

Table 11: Test result of Frequency Separation

Channel	Channel Frequency (MHz)	Measured Channel Separation (MHz)	Limit (kHz)	Result
Low Channel	2402	1	≥ 25kHz or 2/3 of 20dB bandwidth	Pass
Adjacency Channel	2403			
Mid Channel	2441	1	≥ 25kHz or 2/3 of 20dB bandwidth	Pass
Adjacency Channel	2442			
High Channel	2480	1	≥ 25kHz or 2/3 of 20dB bandwidth	Pass
Adjacency Channel	2479			

Test Plot of Frequency Separation

Low Channel



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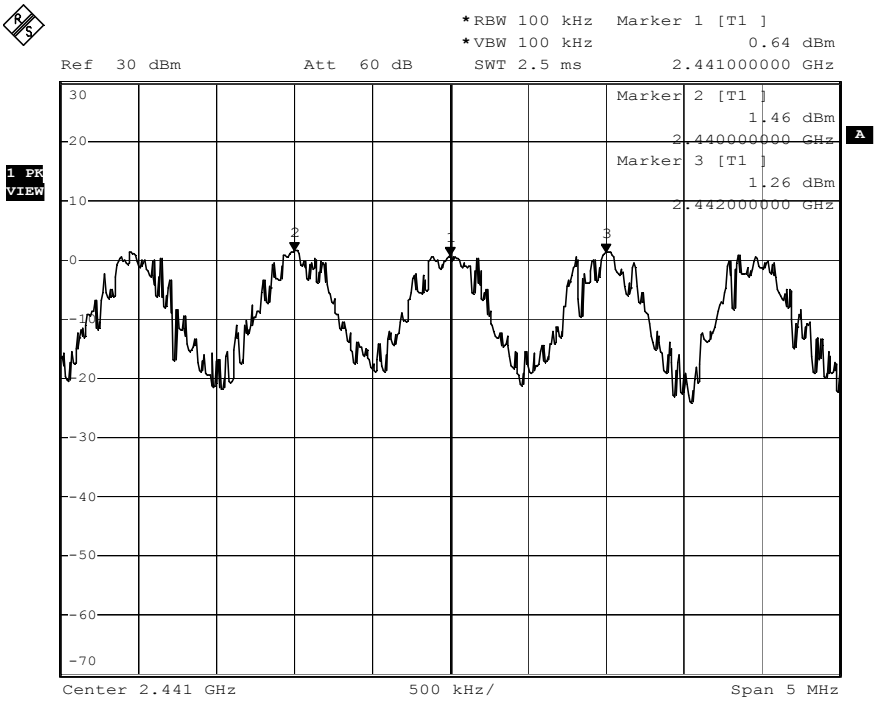
Middle Channel



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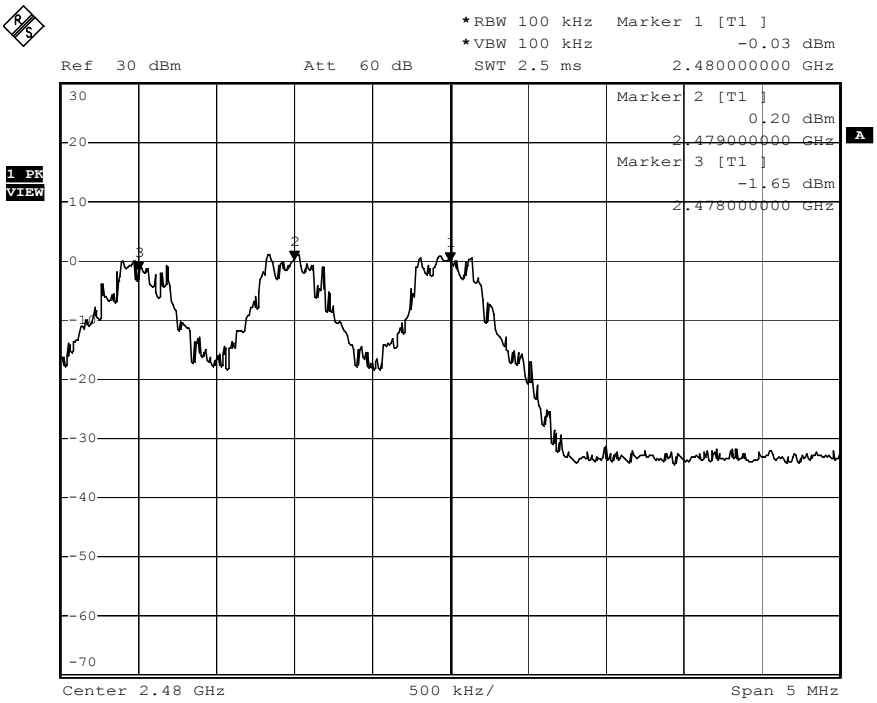
High Channel



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5.1.7 Number of hopping frequency

RESULT: **Passed**

Date of testing	:	2011-07-22
Test standard	:	FCC part 15.247(a)(1)(iii)
Basic standard	:	ANSI C63.4: 2003
Limits	:	≥ 15 non-overlapping channels
Kind of test site	:	Shield room

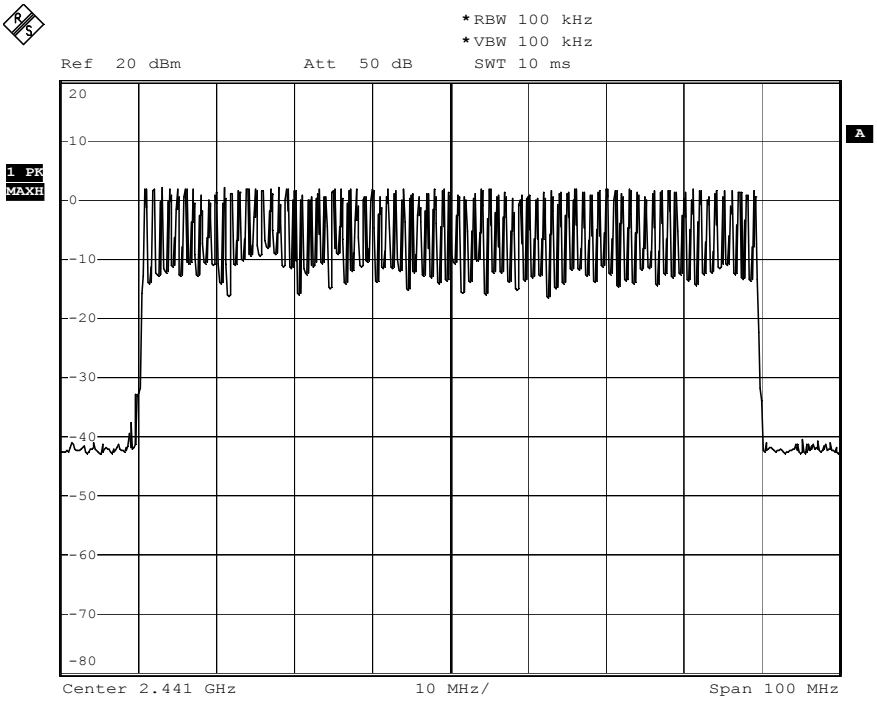
Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A
Ambient temperature	:	24℃
Relative humidity	:	53%
Atmospheric pressure	:	101 kPa

Table 12: Test result of Number of hopping frequency

Frequency Range	Measured Quantity of Hopping Channel	Limit	Result
2400 to 2483.5 MHz	79	≥15	Pass

Test Plot of Number of hopping frequencies



Date: 22.JUL.2011 16:48:48

5.1.8 Time of Occupancy

RESULT: **Passed**

Date of testing	:	2011-07-22
Test standard	:	FCC part 15.247(a)(1)(iii)
Basic standard	:	ANSI C63.4: 2003
Limits	:	0.4s
Kind of test site	:	Shield room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A
Ambient temperature	:	24℃
Relative humidity	:	53%
Atmospheric pressure	:	101 kPa

Table 13: Test result of Time of Occupancy

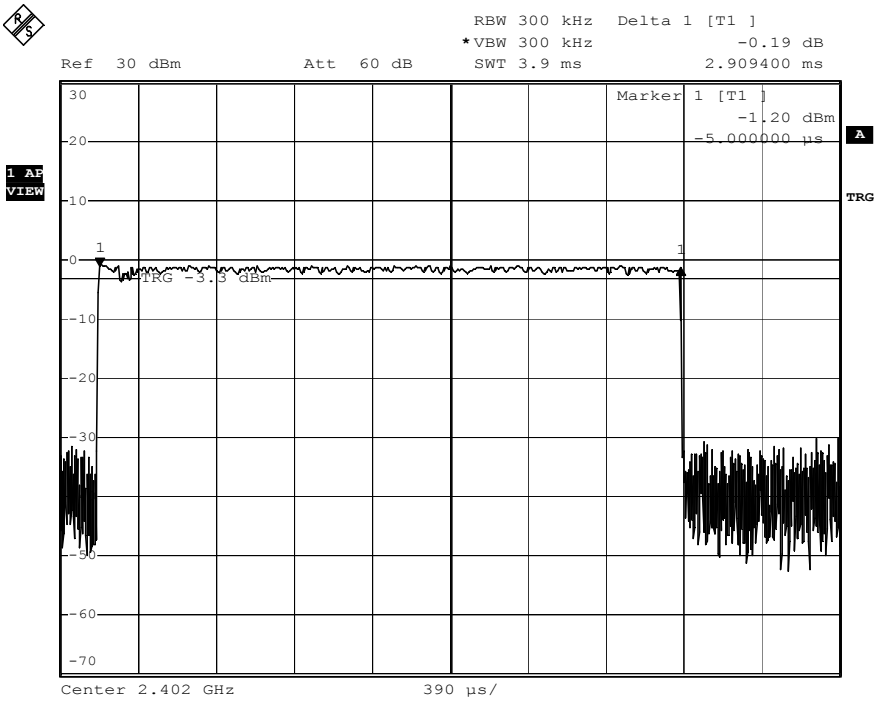
Channel	Data Mode	Captured Burst (s)	Dwell time (s)	Limit (s)	Result
Low Channel	DH5	2.9094	0.3724	0.4	Pass
	3-DH5	2.9172	0.3734	0.4	Pass
Mid Channel	DH5	2.9094	0.3724	0.4	Pass
	3-DH5	2.9172	0.3734	0.4	Pass
High Channel	DH5	2.9094	0.3724	0.4	Pass
	3-DH5	2.925	0.3744	0.4	Pass

Note:
Dwell time = Pulse width x (Hopping rate / Number of channels) x Period

Period = 0.4 (seconds/ channel) x 79 (channel) = 31.6 seconds

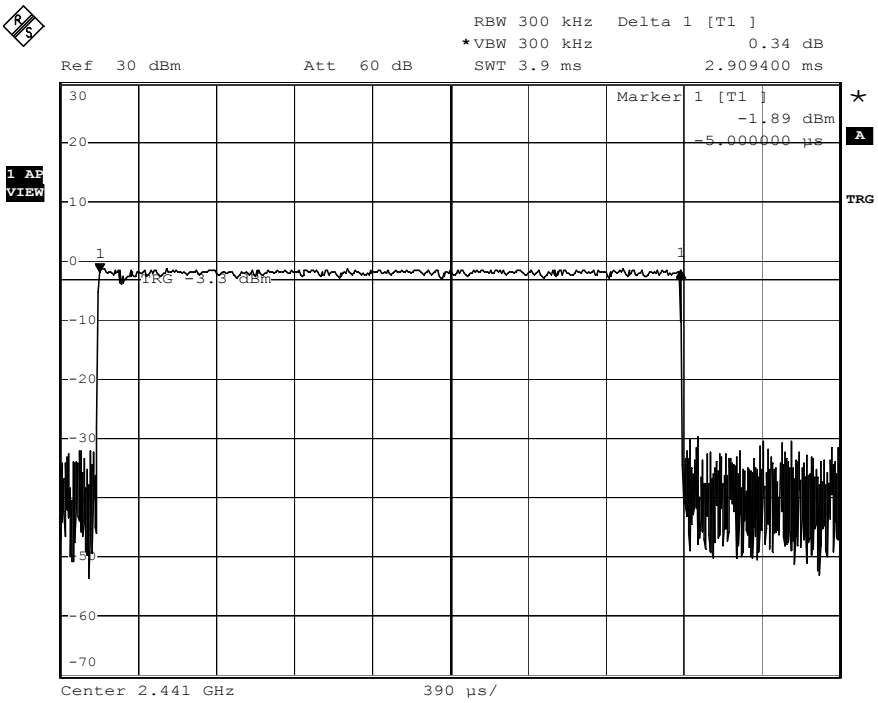
Test Plot of Time of Occupancy, GFSK modulation

Low Channel- DH5



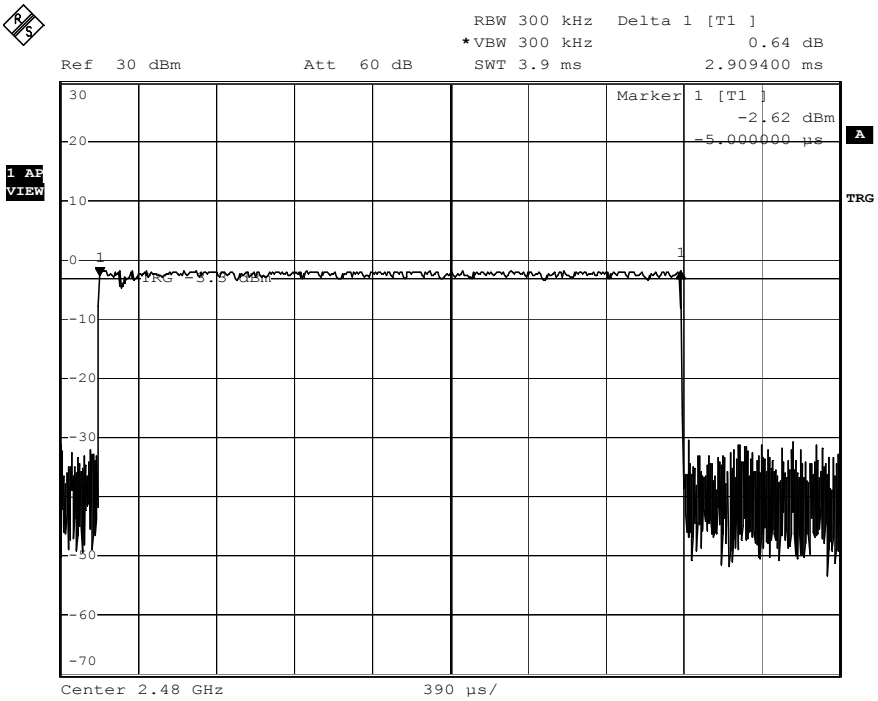
Date: 22.JUL.2011 17:02:20

Mid Channel- DH5



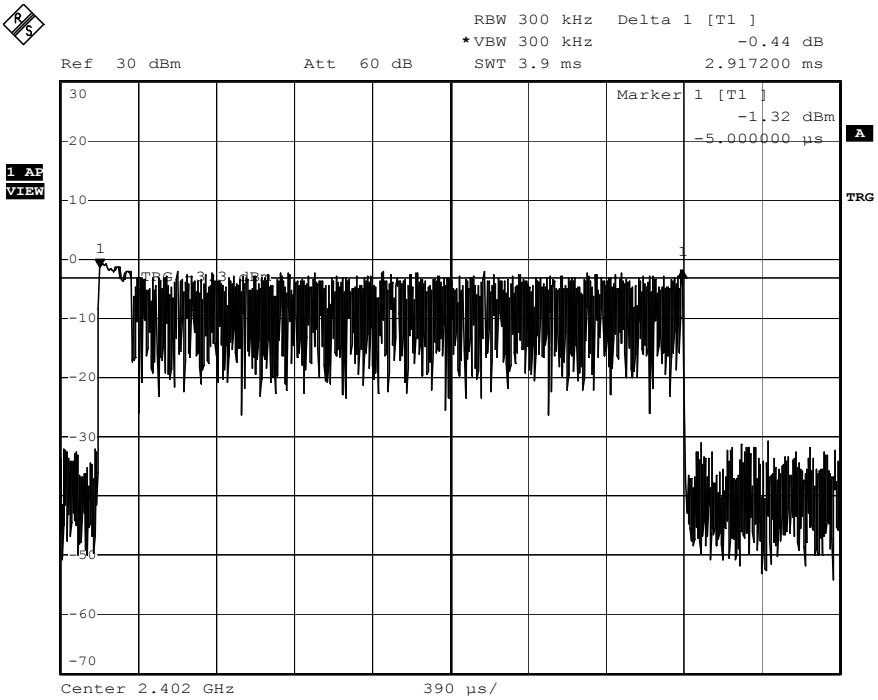
Date: 22.JUL.2011 17:01:57

High Channel- DH5

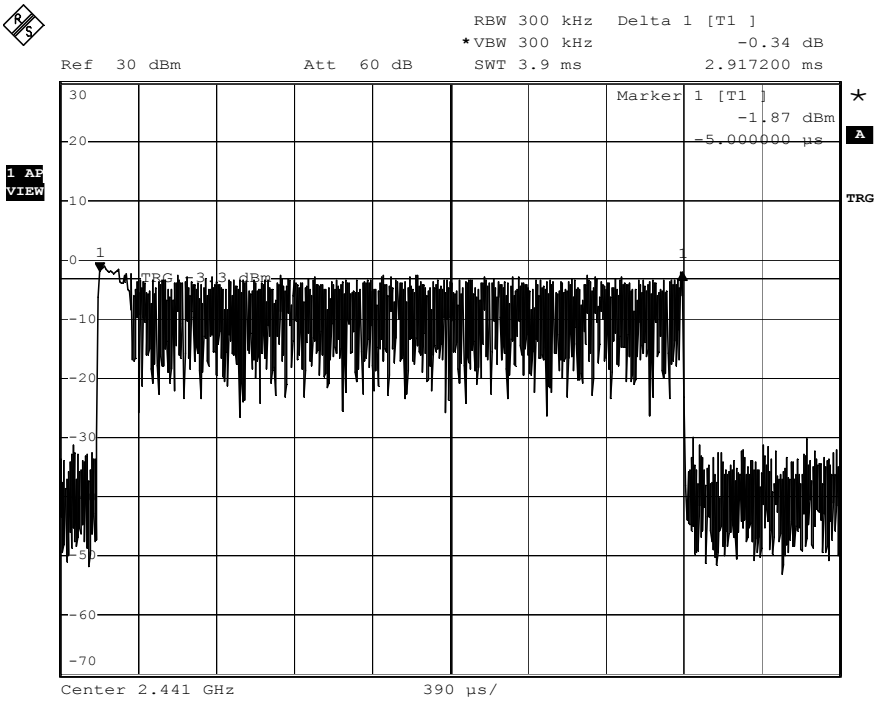


Test Plot of Time of Occupancy, 8DPSK modulation

Low Channel- 3DH5

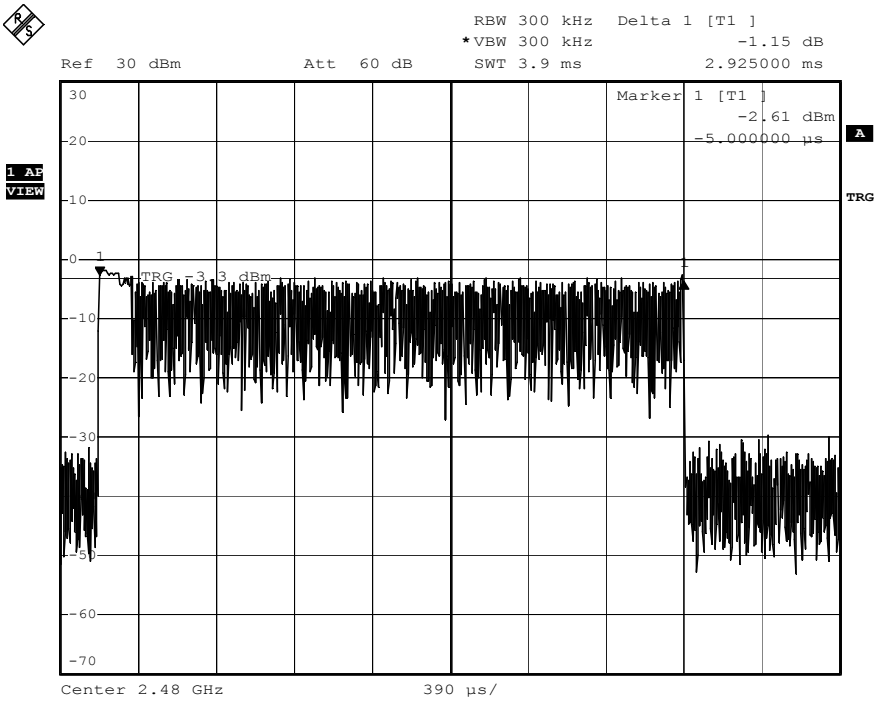


Mid Channel- 3DH5



Date: 22.JUL.2011 16:59:31

High Channel- 3DH5



Date: 22.JUL.2011 17:00:02

5.1.9 Conducted Emission

RESULT: **Passed**

Date of testing	:	2011-06-08
Test standard	:	FCC part 15.207(a)
Basic standard	:	ANSI C63.4: 2003
Limits	:	Refer to 15.207(a)
Kind of test site	:	Shield room

Test setup

Test Channel	:	Hopping
Operation mode	:	A, C
Ambient temperature	:	26℃
Relative humidity	:	55%
Atmospheric pressure	:	101 kPa

Remark: For details refer to Appendix 2.

6. Safety Human exposure

6.1 Radio Frequency Exposure Compliance

6.1.1 Electromagnetic Fields

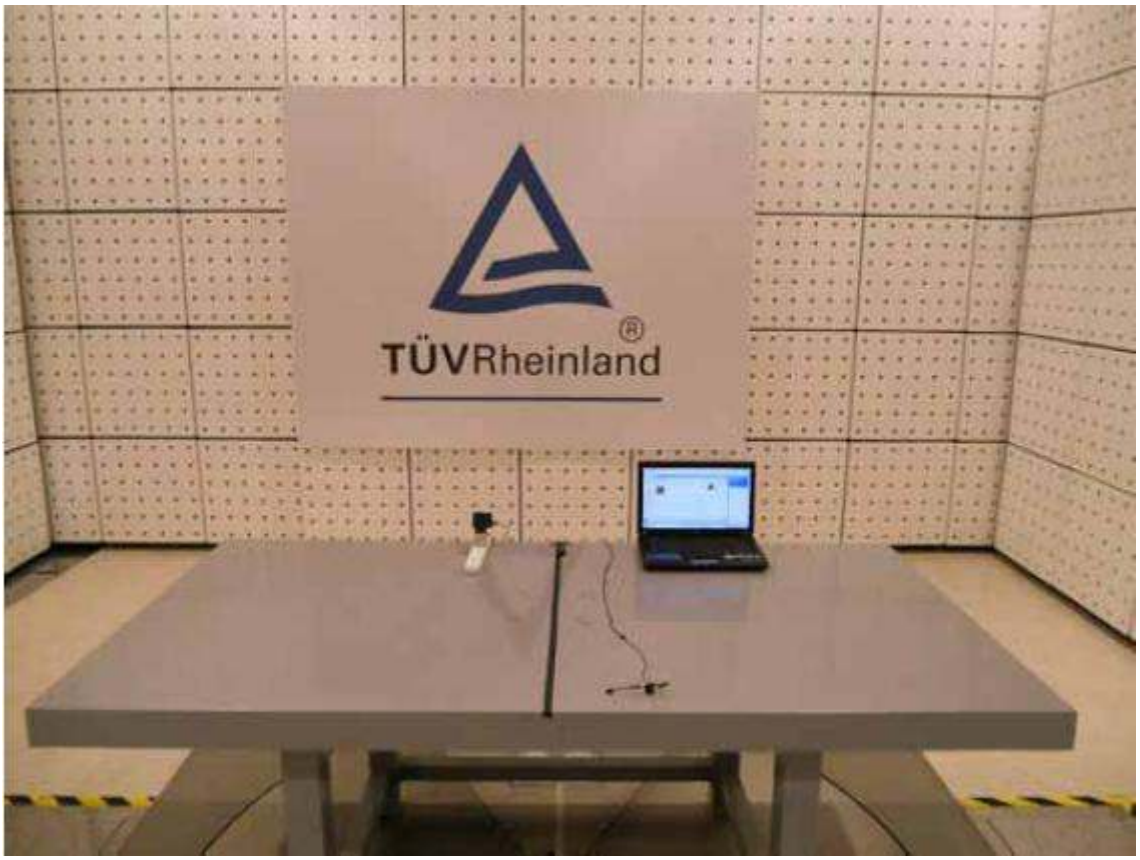
RESULT: **Passed**

Test standard : FCC KDB Publication 447498

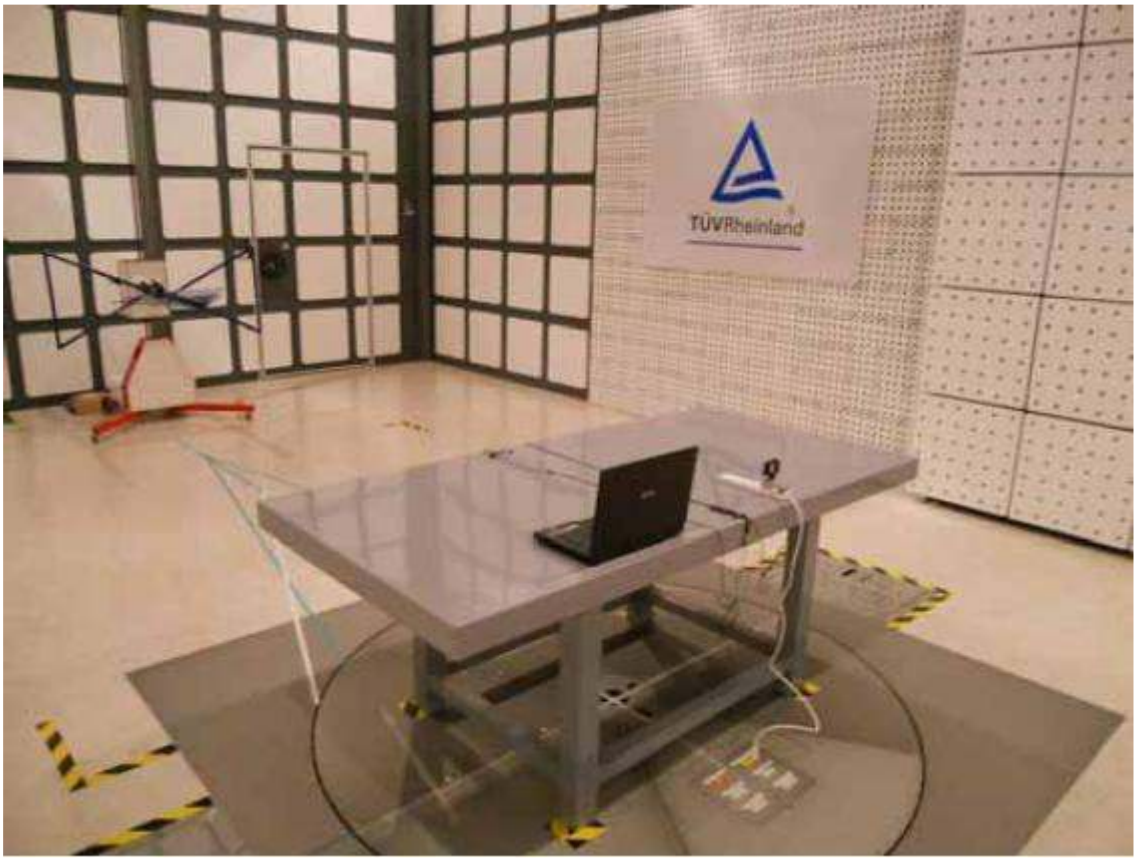
Since maximum peak output power of the transmitter is <60/f(GHz)mW, i.e. 0.0028mW<25(=60/2.4)mW, hence the EUT is exclueded from SAR evaluation according to FCC KDB publication 447498 D01: Mobile Portable RF Exposure.

7. Photographs of the Test Set-Up

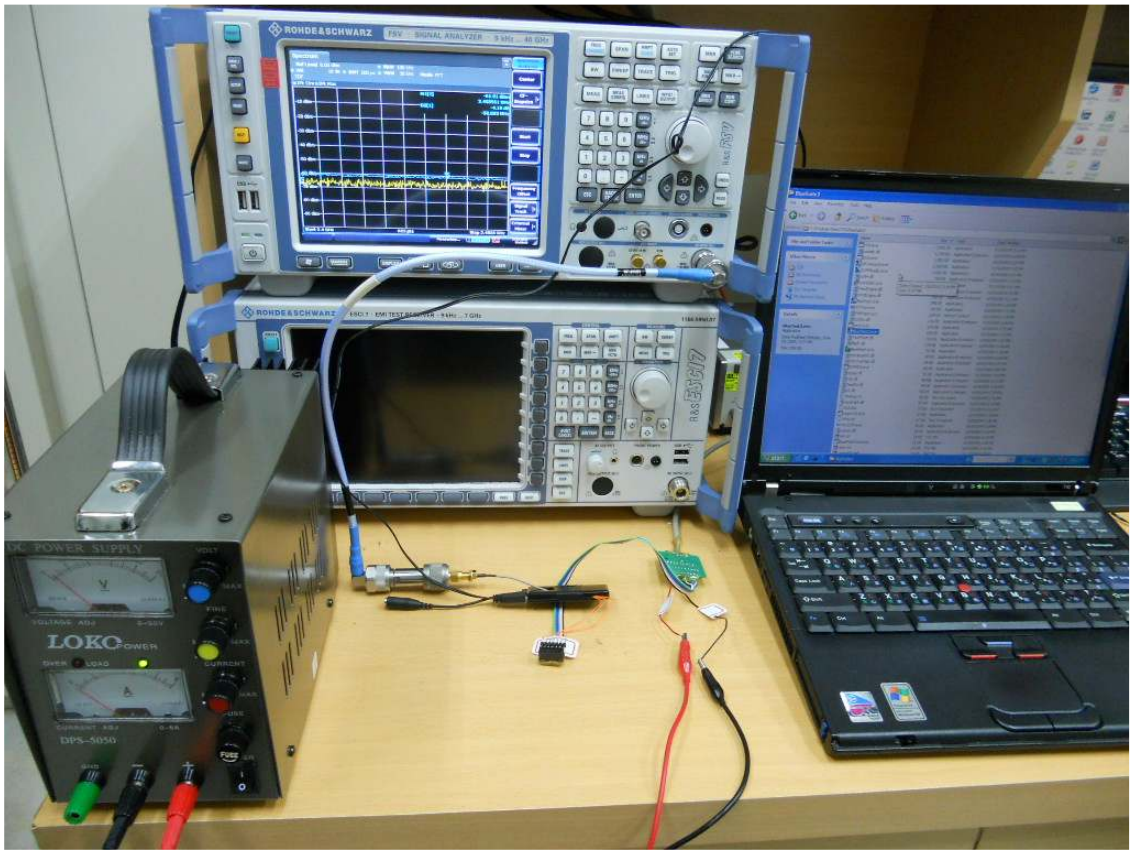
Photograph 1: Set-up for Spurious Emissions (Front View)



Photograph 2: Set-up for Spurious Emissions (Back View)



Photograph 3: Set-up for Conducted Testing



8. List of Tables

9. List of Photographs

Test Report No. 10031957 001

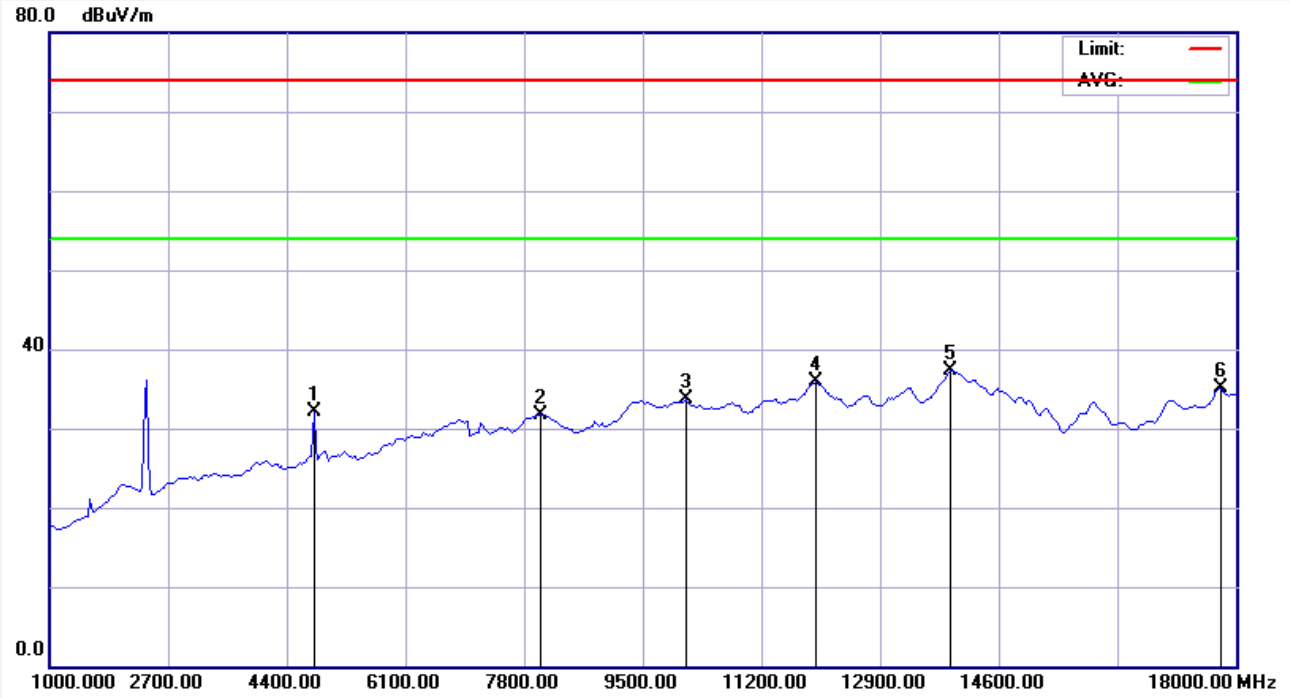
Appendix 1: Test Result of Radiated Emissions

(File: AHO20110510)

TUV Taiwan
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105
Tel:+886-2172-7000 fax:+886-2528-0018

Site: 966 Chamber

Test Time: 2011/5/10 PM 02:39:42



Report No.: AHO20110510

Test Standard: FCC above 1G PEAK

Test Distance: 3m

Test item: Radiation Emission

Ant. Polarization: Vertical

Applicant:

Temp.(℃)/Hum.(%): 24(℃) / 56 %

Product:

Power Rating:

Model No.:

Test Engineer: HuangK

Test Mode: 2402

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (◦)	P/F	Remark
1	4786.859	10.21	21.97	32.18	54.00	-21.82	AVG	100	15	P	
2	8028.846	18.32	13.37	31.69	54.00	-22.31	AVG	210	360	P	
3	10126.603	19.69	13.92	33.61	54.00	-20.39	AVG	267	360	P	
4	11979.167	22.34	13.47	35.81	54.00	-18.19	AVG	100	360	P	
5	13913.462	25.13	12.18	37.31	54.00	-16.69	AVG	200	65	P	
6	17782.051	23.24	11.80	35.04	54.00	-18.96	AVG	300	221	P	

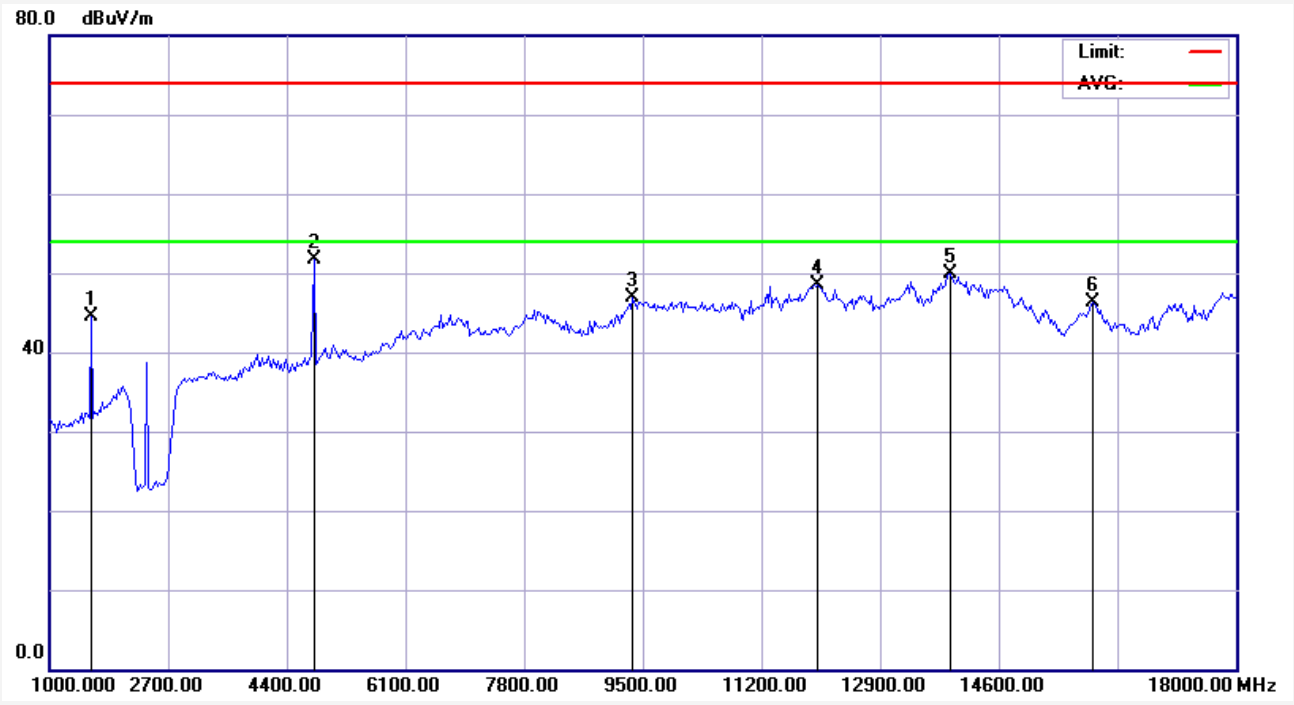
Note: Level=Reading+Factor.

Margin=Limit-Level.

TUV Taiwan
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105
Tel:+886-2172-7000 fax:+886-2528-0018

Site: 966 Chamber

Test Time: 2011/5/10 PM 02:57:35



Report No.: AHO20110510

Test Standard: FCC above 1G PEAK

Test Distance: 3m

Test item: Radiation Emission

Ant. Polarization: Vertical

Applicant:

Temp.(℃)/Hum.(%): 24(℃) / 56 %

Product:

Power Rating:

Model No.:

Test Engineer: HuangK

Test Mode: 2402

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (◦)	P/F	Remark
1	1599.359	2.17	42.29	44.46	74.00	-29.54	peak	175	360	P	
2	4786.859	10.21	41.49	51.70	74.00	-22.30	peak	100	149	P	
3	9363.782	19.31	27.55	46.86	74.00	-27.14	peak	100	358	P	
4	12006.410	22.40	26.19	48.59	74.00	-25.41	peak	400	307	P	
5	13913.462	25.13	24.83	49.96	74.00	-24.04	peak	100	236	P	
6	15956.731	21.07	25.31	46.38	74.00	-27.62	peak	400	253	P	

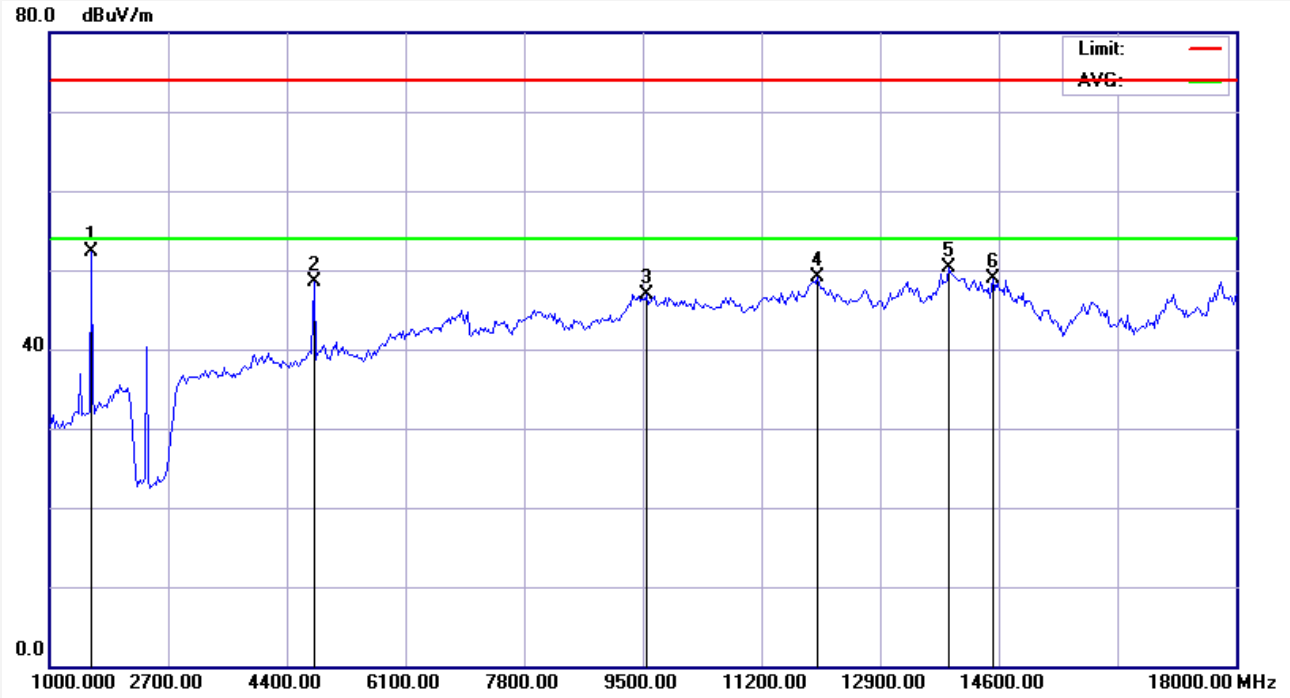
Note: Level=Reading+Factor.

Margin=Limit-Level.

TUV Taiwan
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105
Tel:+886-2172-7000 fax:+886-2528-0018

Site: 966 Chamber

Test Time: 2011/5/10 PM 03:06:53



Report No.: AHO20110510

Test Standard: FCC above 1G PEAK **Test Distance:** 3m

Test item: Radiation Emission **Ant. Polarization:** Horizontal

Applicant: **Temp.(℃)/Hum.(%):** 24(℃) / 56 %

Product: **Power Rating:**

Model No.: **Test Engineer:** HuangK

Test Mode: 2402

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (◦)	P/F	Remark
1	1599.359	2.17	50.12	52.29	74.00	-21.71	peak	100	62	P	
2	4786.859	10.21	38.28	48.49	74.00	-25.51	peak	200	266	P	
3	9554.487	19.94	26.97	46.91	74.00	-27.09	peak	100	30	P	
4	12006.410	22.40	26.62	49.02	74.00	-24.98	peak	100	175	P	
5	13886.218	24.97	25.29	50.26	74.00	-23.74	peak	143	360	P	
6	14512.821	24.70	24.26	48.96	74.00	-25.04	peak	400	118	P	

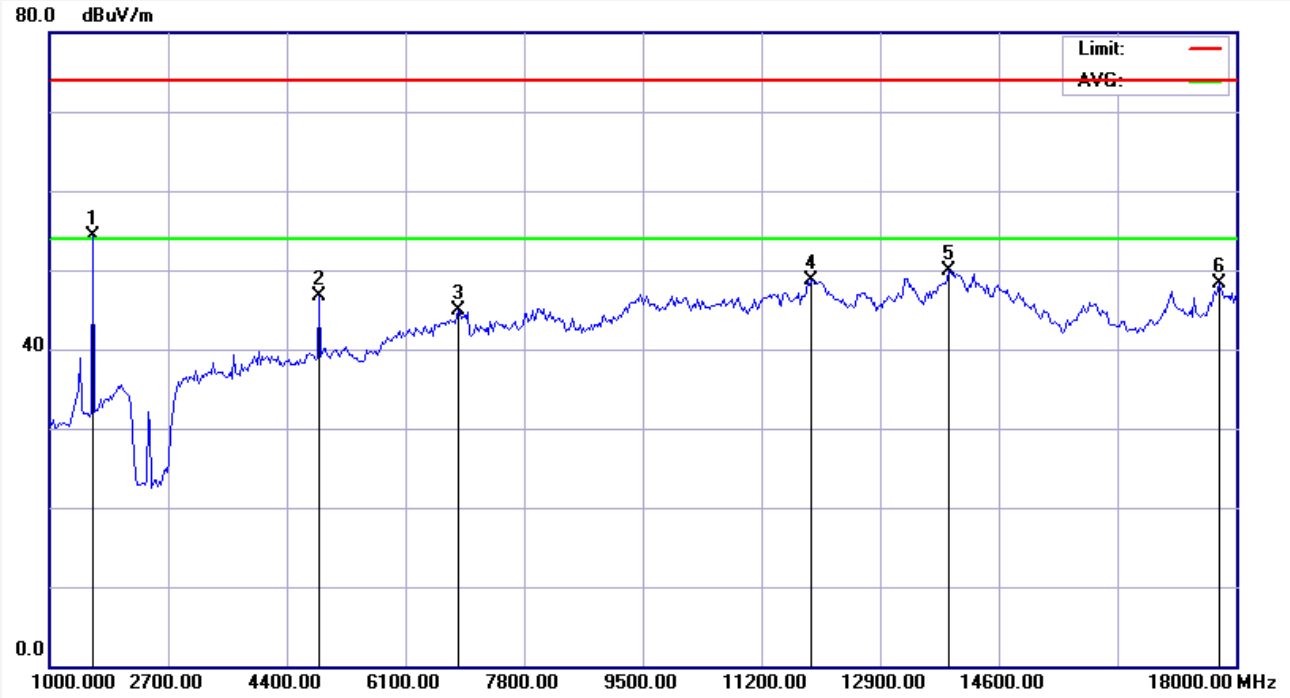
Note: Level=Reading+Factor.

Margin=Limit-Level.

TUV Taiwan
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105
Tel:+886-2172-7000 fax:+886-2528-0018

Site: 966 Chamber

Test Time: 2011/5/10 PM 03:15:49



Report No.: AHO20110510

Test Standard: FCC above 1G PEAK

Test Distance: 3m

Test item: Radiation Emission

Ant. Polarization: Horizontal

Applicant:

Temp.(℃)/Hum.(%): 24(℃) / 56 %

Product:

Power Rating:

Model No.:

Test Engineer: HuangK

Test Mode: 2441

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (◦)	P/F	Remark
1	1626.603	2.40	51.88	54.28	74.00	-19.72	peak	100	62	P	
2	4868.590	10.49	36.20	46.69	74.00	-27.31	peak	100	165	P	
3	6857.372	16.44	28.47	44.91	74.00	-29.09	peak	400	101	P	
4	11924.679	22.19	26.53	48.72	74.00	-25.28	peak	200	185	P	
5	13886.218	24.97	24.92	49.89	74.00	-24.11	peak	300	332	P	
6	17754.808	23.21	25.08	48.29	74.00	-25.71	peak	400	130	P	

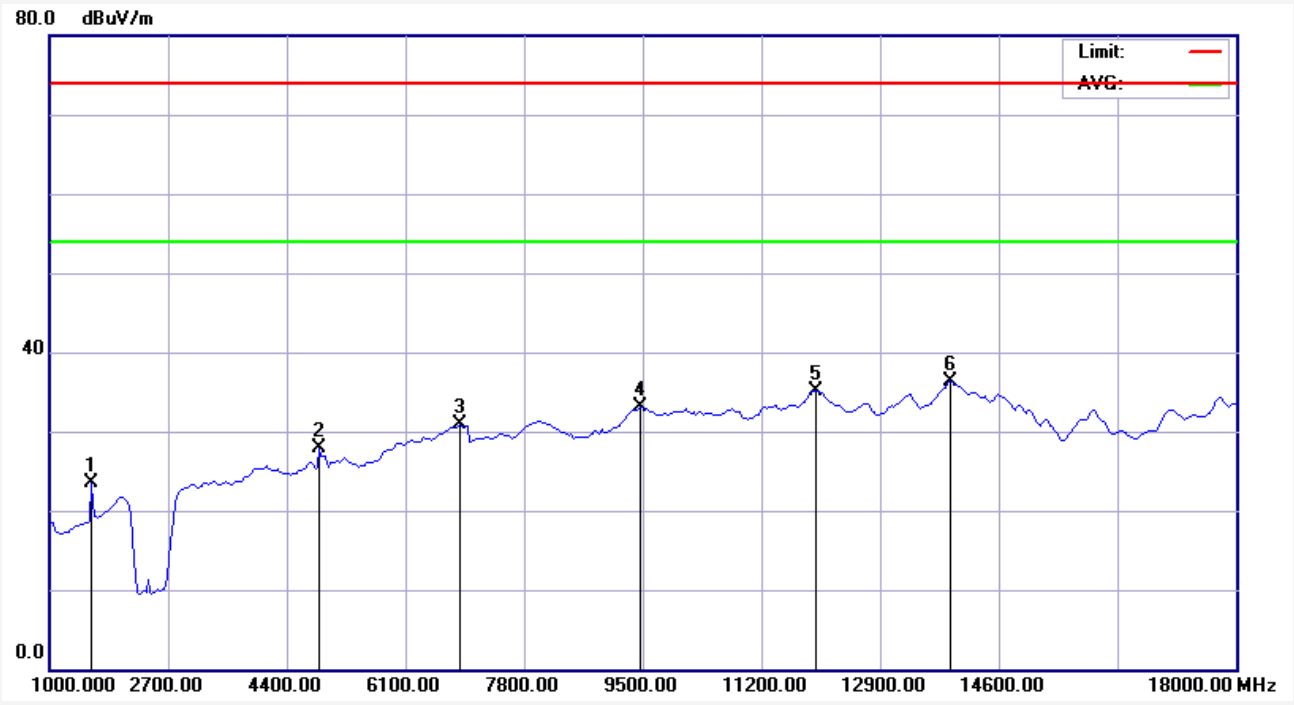
Note: Level=Reading+Factor.

Margin=Limit-Level.

TUV Taiwan
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105
Tel:+886-2172-7000 fax:+886-2528-0018

Site: 966 Chamber

Test Time: 2011/5/10 PM 03:25:15



Report No.: AHO20110510

Test Standard: FCC above 1G PEAK

Test Distance: 3m

Test item: Radiation Emission

Ant. Polarization: Horizontal

Applicant:

Temp.(℃)/Hum.(%): 24(℃) / 56 %

Product:

Power Rating:

Model No.:

Test Engineer: HuangK

Test Mode: 2441

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (◦)	P/F	Remark
1	1599.359	2.17	21.28	23.45	54.00	-30.55	AVG	100	0	P	
2	4868.590	10.49	17.35	27.84	54.00	-26.16	AVG	200	256	P	
3	6884.615	16.47	14.37	30.84	54.00	-23.16	AVG	200	240	P	
4	9472.756	19.86	13.24	33.10	54.00	-20.90	AVG	100	56	P	
5	11979.167	22.34	12.84	35.18	54.00	-18.82	AVG	100	0	P	
6	13913.462	25.13	11.24	36.37	54.00	-17.63	AVG	114	360	P	

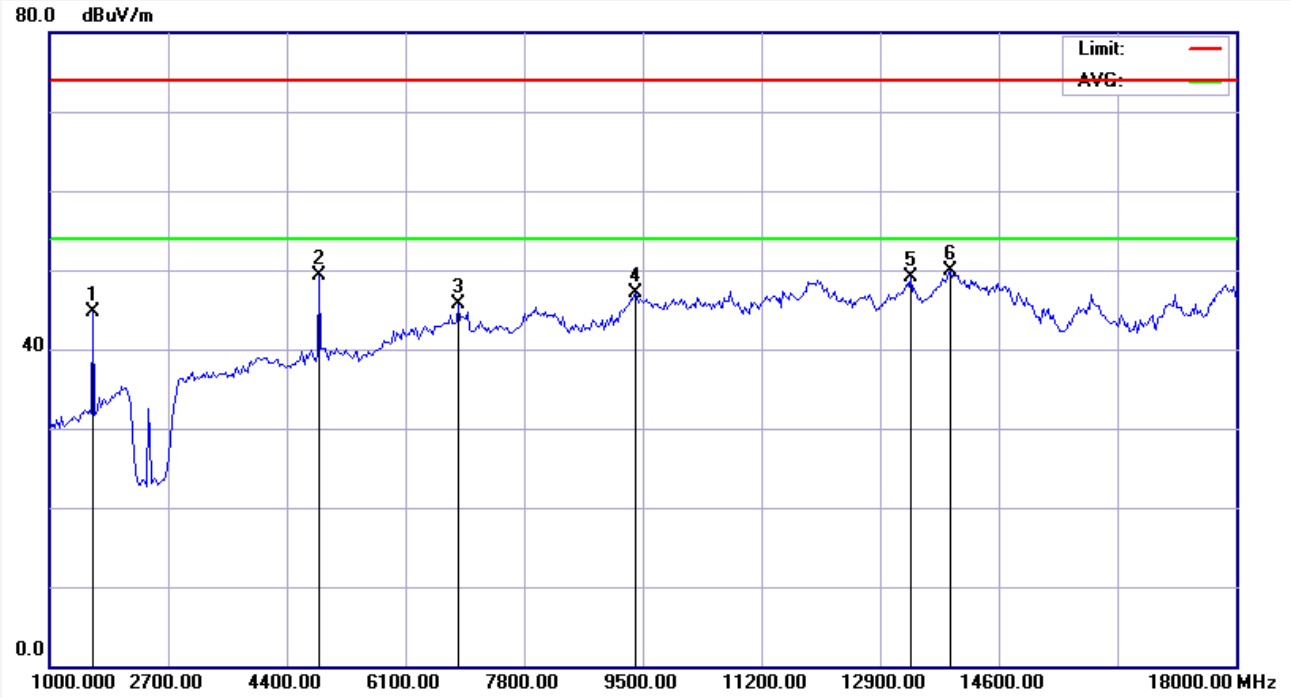
Note: Level=Reading+Factor.

Margin=Limit-Level.

TUV Taiwan
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105
Tel:+886-2172-7000 fax:+886-2528-0018

Site: 966 Chamber

Test Time: 2011/5/10 PM 03:41:53



Report No.: AHO20110510

Test Standard: FCC above 1G PEAK

Test Distance: 3m

Test item: Radiation Emission

Ant. Polarization: Vertical

Applicant:

Temp.(℃)/Hum.(%): 24(℃) / 56 %

Product:

Power Rating:

Model No.:

Test Engineer: HuangK

Test Mode: 2441

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (◦)	P/F	Remark
1	1626.603	2.40	42.35	44.75	74.00	-29.25	peak	173	360	P	
2	4868.590	10.49	38.82	49.31	74.00	-24.69	peak	100	114	P	
3	6857.372	16.44	29.19	45.63	74.00	-28.37	peak	300	152	P	
4	9391.026	19.45	27.59	47.04	74.00	-26.96	peak	400	324	P	
5	13341.346	22.64	26.46	49.10	74.00	-24.90	peak	400	41	P	
6	13913.462	25.13	24.70	49.83	74.00	-24.17	peak	114	360	P	

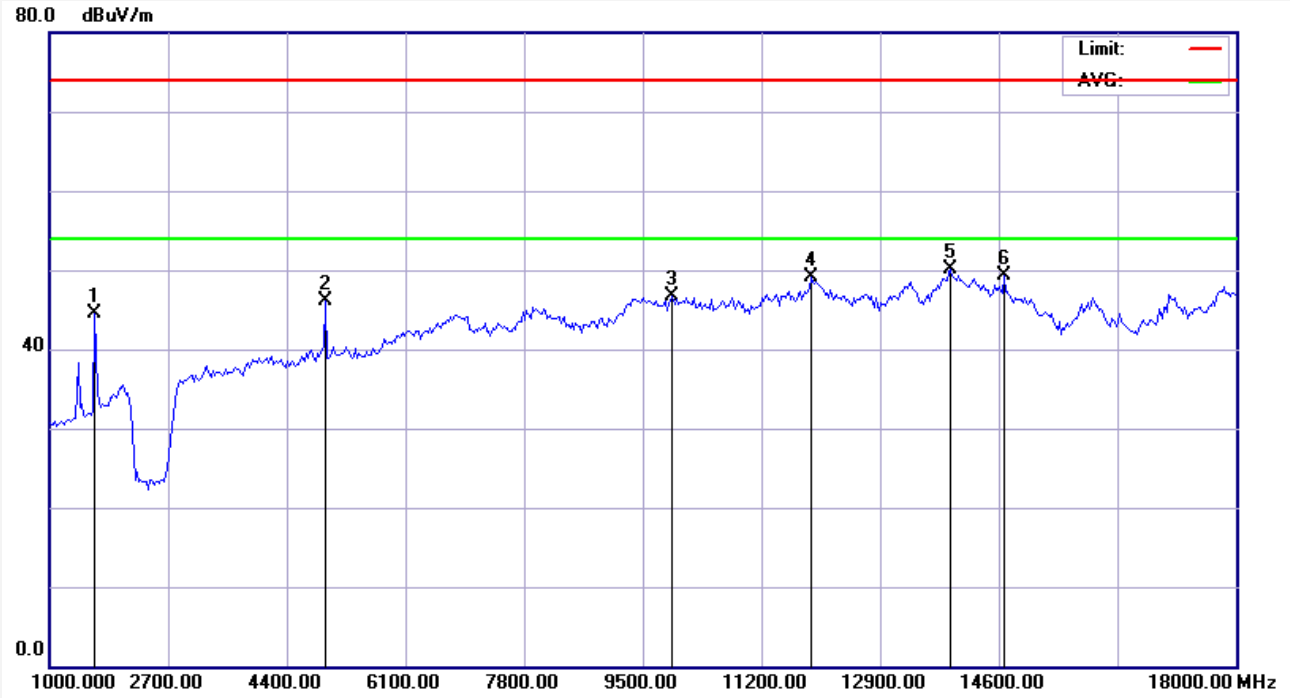
Note: Level=Reading+Factor.

Margin=Limit-Level.

TUV Taiwan
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105
Tel:+886-2172-7000 fax:+886-2528-0018

Site: 966 Chamber

Test Time: 2011/5/10 PM 03:51:00



Report No.: AHO20110510

Test Standard: FCC above 1G PEAK

Test Distance: 3m

Test item: Radiation Emission

Ant. Polarization: Vertical

Applicant:

Temp.(℃)/Hum.(%): 24(℃) / 56 %

Product:

Power Rating:

Model No.:

Test Engineer: HuangK

Test Mode: 2480

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (◦)	P/F	Remark
1	1653.846	2.63	41.95	44.58	74.00	-29.42	peak	300	139	P	
2	4950.321	10.75	35.42	46.17	74.00	-27.83	peak	100	94	P	
3	9908.654	19.55	27.16	46.71	74.00	-27.29	peak	200	211	P	
4	11924.679	22.19	26.82	49.01	74.00	-24.99	peak	100	142	P	
5	13913.462	25.13	24.96	50.09	74.00	-23.91	peak	400	256	P	
6	14676.282	24.07	25.19	49.26	74.00	-24.74	peak	100	358	P	

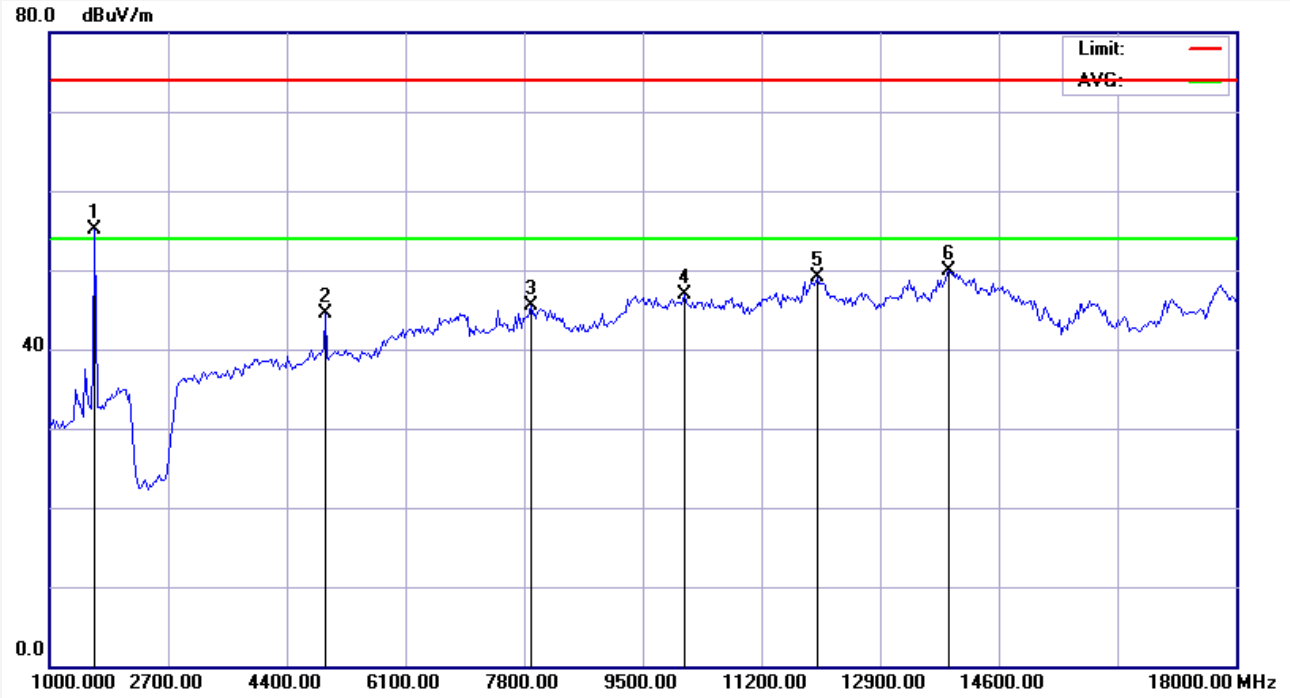
Note: Level=Reading+Factor.

Margin=Limit-Level.

TUV Taiwan
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105
Tel:+886-2172-7000 fax:+886-2528-0018

Site: 966 Chamber

Test Time: 2011/5/10 PM 03:58:15



Report No.: AHO20110510

Test Standard: FCC above 1G PEAK **Test Distance:** 3m

Test item: Radiation Emission **Ant. Polarization:** Horizontal

Applicant: **Temp.(℃)/Hum.(%):** 24(℃) / 56 %

Product: **Power Rating:**

Model No.: **Test Engineer:** HuangK

Test Mode: 2480

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (◦)	P/F	Remark
1	1653.846	2.63	52.51	55.14	74.00	-18.86	peak	100	66	P	
2	4950.321	10.75	33.83	44.58	74.00	-29.42	peak	200	262	P	
3	7892.628	18.05	27.50	45.55	74.00	-28.45	peak	264	0	P	
4	10099.359	19.63	27.25	46.88	74.00	-27.12	peak	300	287	P	
5	12006.410	22.40	26.72	49.12	74.00	-24.88	peak	300	65	P	
6	13886.218	24.97	24.88	49.85	74.00	-24.15	peak	400	156	P	

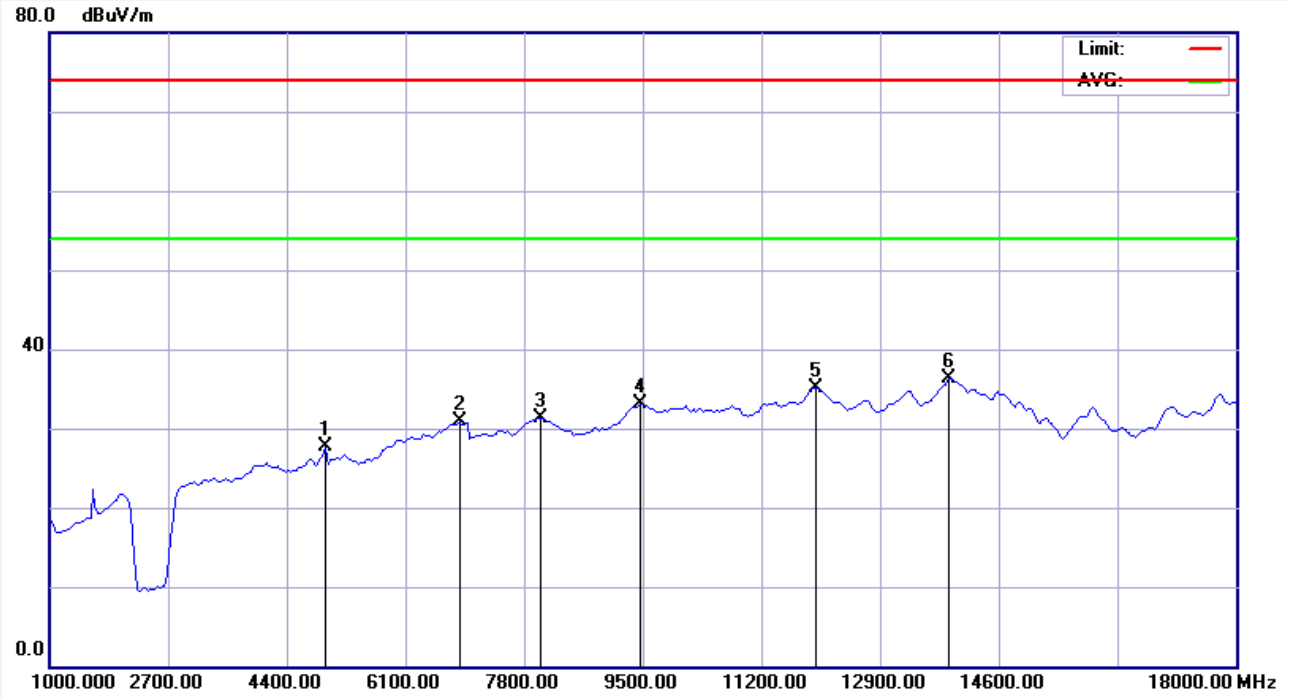
Note: Level=Reading+Factor.

Margin=Limit-Level.

TUV Taiwan
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105
Tel:+886-2172-7000 fax:+886-2528-0018

Site: 966 Chamber

Test Time: 2011/5/10 PM 04:04:32



Report No.: AHO20110510

Test Standard: FCC above 1G PEAK

Test Distance: 3m

Test item: Radiation Emission

Ant. Polarization: Horizontal

Applicant:

Temp.(℃)/Hum.(%): 24(℃) / 56 %

Product:

Power Rating:

Model No.:

Test Engineer: HuangK

Test Mode: 2480

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (◦)	P/F	Remark
1	4950.321	10.75	16.96	27.71	54.00	-26.29	AVG	100	168	P	
2	6884.615	16.47	14.38	30.85	54.00	-23.15	AVG	189	360	P	
3	8028.846	18.32	12.95	31.27	54.00	-22.73	AVG	245	0	P	
4	9472.756	19.86	13.24	33.10	54.00	-20.90	AVG	100	56	P	
5	11979.167	22.34	12.82	35.16	54.00	-18.84	AVG	100	236	P	
6	13886.218	24.97	11.38	36.35	54.00	-17.65	AVG	200	18	P	

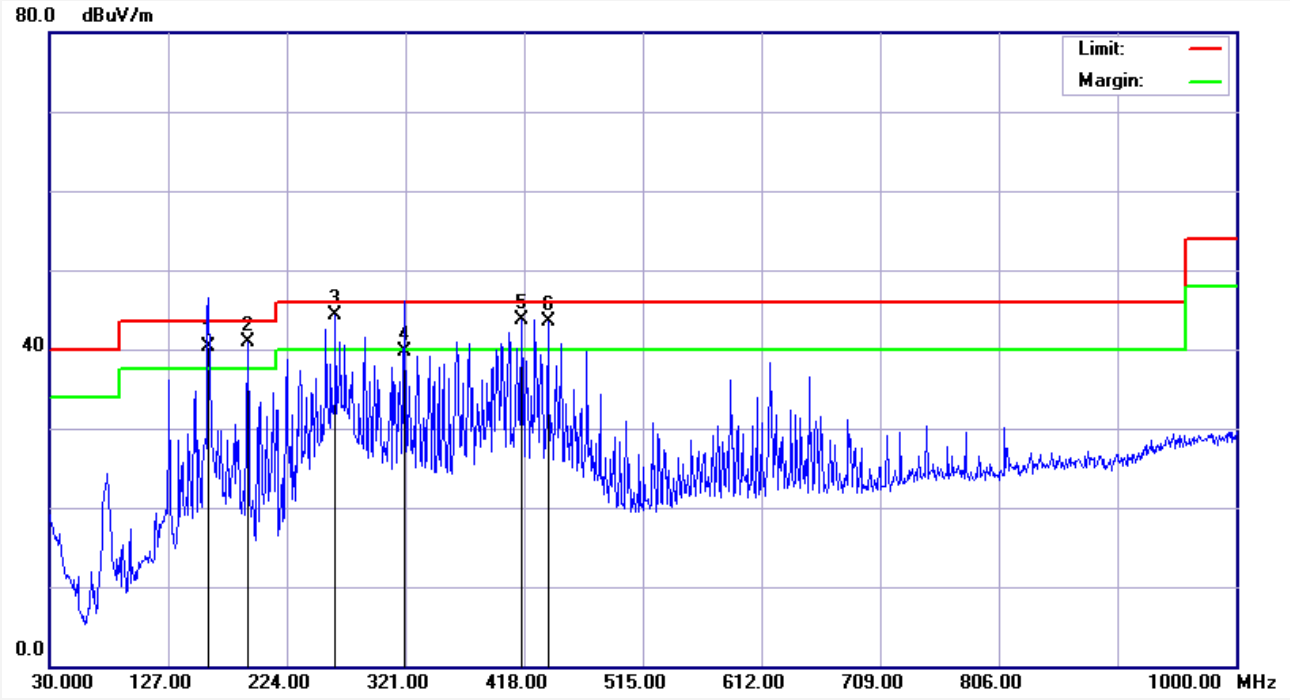
Note: Level=Reading+Factor.

Margin=Limit-Level.

TUV Taiwan
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105
Tel:+886-2172-7000 fax:+886-2528-0018

Site: 966 Chamber

Test Time: 2011/5/10 PM 04:38:38



Report No.: AHO20110510

Test Standard: FCC Class B 3M Radiation

Test Distance: 3m

Test item: Radiation Emission

Ant. Polarization: Horizontal

Applicant:

Temp.(℃)/Hum.(%): 24(℃) / 56 %

Product:

Power Rating:

Model No.:

Test Engineer: HuangK

Test Mode: 2480

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (◦)	P/F	Remark
1	160.0399	-14.57	54.96	40.39	43.50	-3.11	QP	100	71	P	
2	191.9900	-16.88	57.75	40.87	43.50	-2.63	QP	200	109	P	
3	263.7700	-11.41	55.71	44.30	46.00	-1.70	QP	100	151	P	
4	320.0300	-10.98	50.66	39.68	46.00	-6.32	QP	100	161	P	
5	416.0600	-8.99	52.76	43.77	46.00	-2.23	QP	100	198	P	
6	437.4000	-8.83	52.28	43.45	46.00	-2.55	QP	100	200	P	

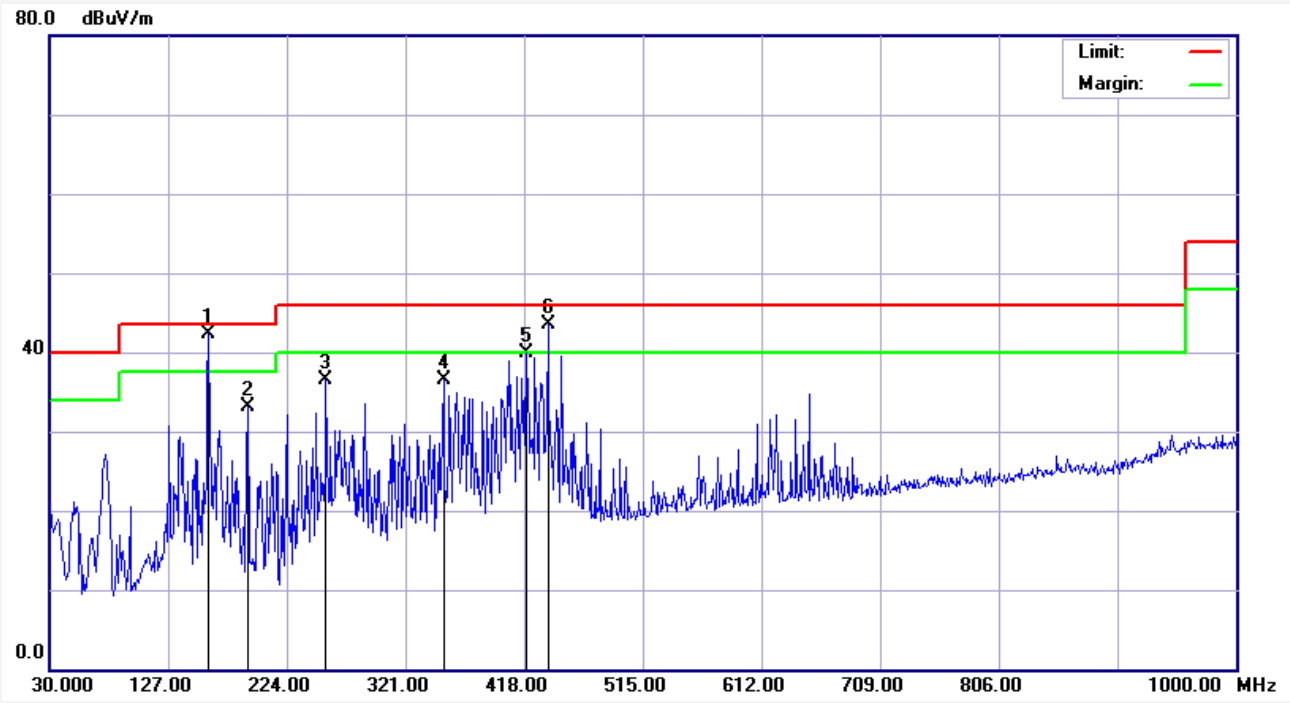
Note: Level=Reading+Factor.

Margin=Limit-Level.

TUV Taiwan
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105
Tel:+886-2172-7000 fax:+886-2528-0018

Site: 966 Chamber

Test Time: 2011/5/10 PM 04:51:30



Report No.: AHO20110510

Test Standard: FCC Class B 3M Radiation

Test Distance: 3m

Test item: Radiation Emission

Ant. Polarization: Vertical

Applicant:

Temp.(℃)/Hum.(%): 24(℃) / 56 %

Product:

Power Rating:

Model No.:

Test Engineer: HuangK

Test Mode: 2480

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (◦)	P/F	Remark
1	159.9800	-14.57	56.91	42.34	43.50	-1.16	QP	106	360	P	
2	191.9900	-16.88	49.98	33.10	43.50	-10.40	QP	100	88	P	
3	256.0100	-11.82	48.39	36.57	46.00	-9.43	QP	200	159	P	
4	352.0400	-10.28	46.88	36.60	46.00	-9.40	QP	100	241	P	
5	419.9400	-8.96	48.84	39.88	46.00	-6.12	QP	100	217	P	
6	437.4000	-8.83	52.37	43.54	46.00	-2.46	QP	100	237	P	

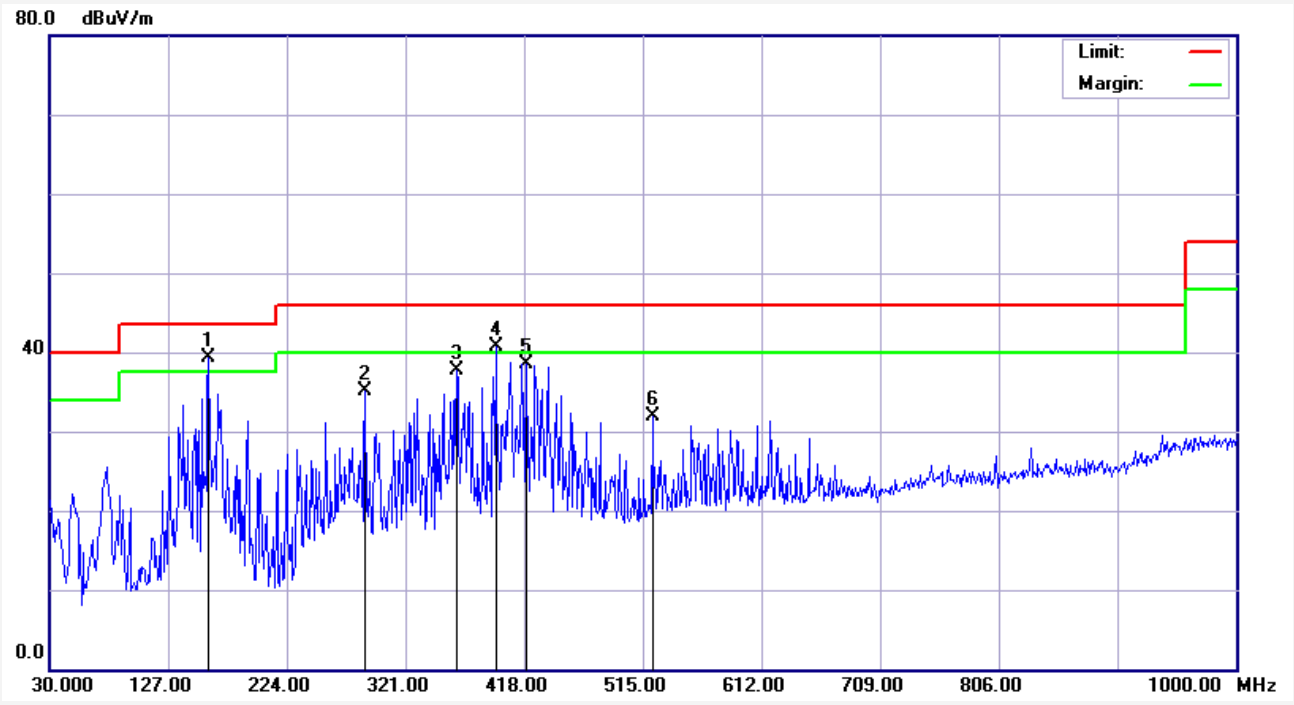
Note: Level=Reading+Factor.

Margin=Limit-Level.

TUV Taiwan
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105
Tel:+886-2172-7000 fax:+886-2528-0018

Site: 966 Chamber

Test Time: 2011/5/10 PM 05:00:38



Report No.: AHO20110510

Test Standard: FCC Class B 3M Radiation

Test Distance: 3m

Test item: Radiation Emission

Ant. Polarization: Vertical

Applicant:

Temp.(℃)/Hum.(%): 24(℃) / 56 %

Product:

Power Rating:

Model No.:

Test Engineer: HuangK

Test Mode: 2441

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (◦)	P/F	Remark
1	159.9800	-14.57	53.87	39.30	43.50	-4.20	peak	300	128	P	
2	288.0200	-11.75	46.77	35.02	46.00	-10.98	peak	100	25	P	
3	362.7100	-10.03	47.65	37.62	46.00	-8.38	peak	100	211	P	
4	394.7200	-9.25	49.86	40.61	46.00	-5.39	peak	100	214	P	
5	419.9400	-8.96	47.44	38.48	46.00	-7.52	peak	100	234	P	
6	522.7600	-6.75	38.66	31.91	46.00	-14.09	peak	100	258	P	

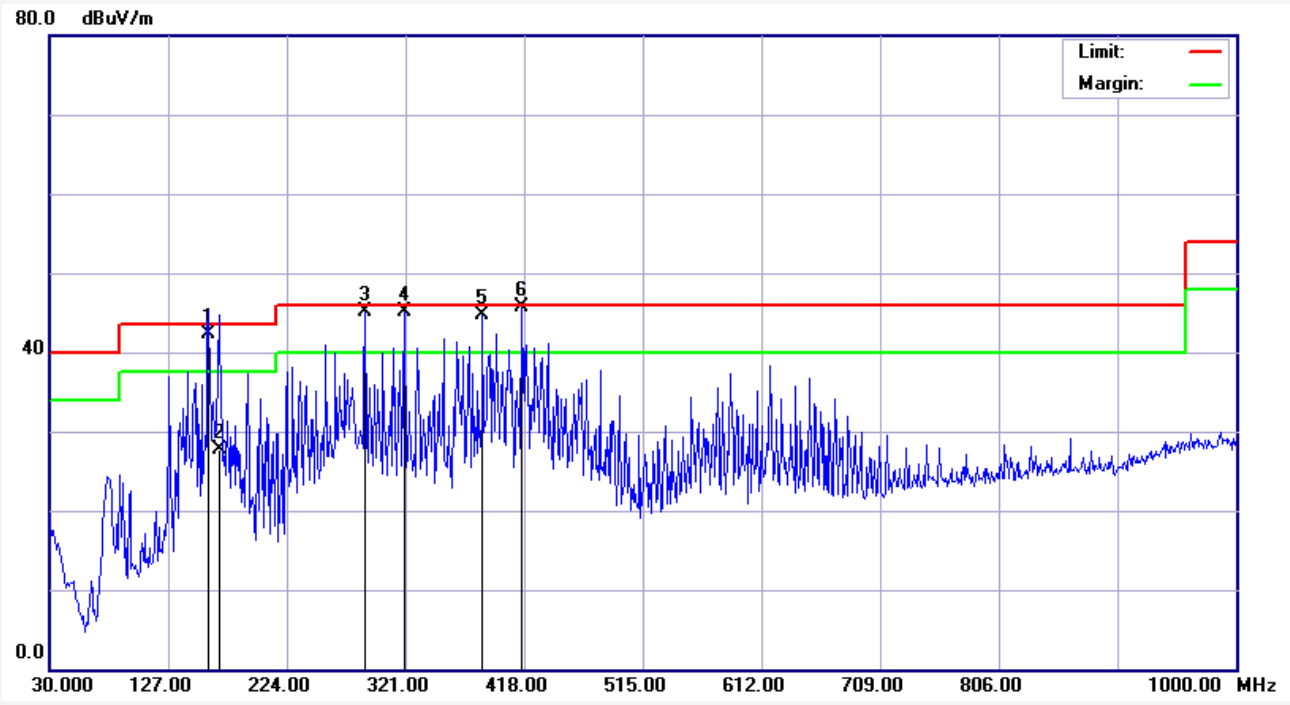
Note: Level=Reading+Factor.

Margin=Limit-Level.

TUV Taiwan
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105
Tel:+886-2172-7000 fax:+886-2528-0018

Site: 966 Chamber

Test Time: 2011/5/10 PM 05:06:52



Report No.: AHO20110510

Test Standard: FCC Class B 3M Radiation

Test Distance: 3m

Test item: Radiation Emission

Ant. Polarization: Horizontal

Applicant:

Temp.(℃)/Hum.(%): 24(℃) / 56 %

Product:

Power Rating:

Model No.:

Test Engineer: HuangK

Test Mode: 2441

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (◦)	P/F	Remark
1	160.0200	-14.57	56.82	42.25	43.50	-1.25	QP	200	36	P	
2	168.7380	-15.59	43.39	27.80	43.50	-15.70	QP	200	103	P	
3	288.0200	-11.75	56.93	45.18	46.00	-0.82	QP	100	28	P	
4	320.0300	-10.98	56.04	45.06	46.00	-0.94	QP	100	257	P	
5	384.0500	-9.51	54.31	44.80	46.00	-1.20	QP	100	184	P	
6	416.0600	-8.99	54.61	45.62	46.00	-0.38	QP	100	184	P	

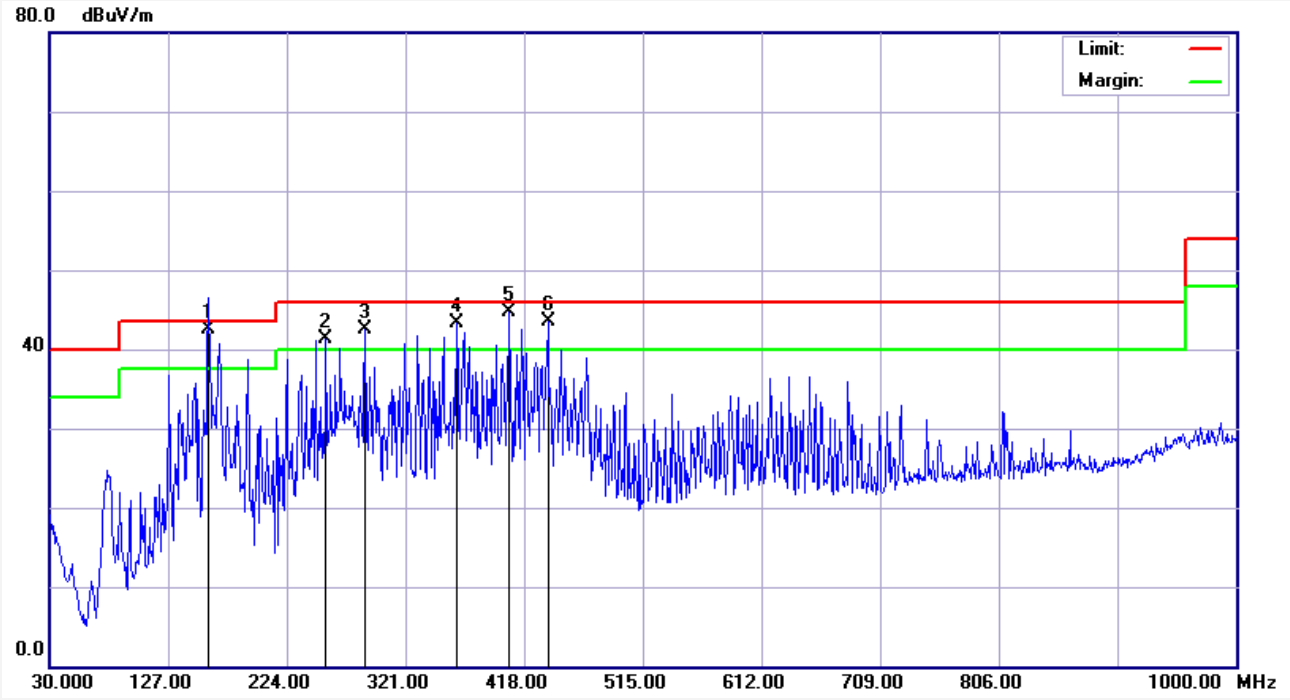
Note: Level=Reading+Factor.

Margin=Limit-Level.

TUV Taiwan
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105
Tel:+886-2172-7000 fax:+886-2528-0018

Site: 966 Chamber

Test Time: 2011/5/10 PM 05:20:43



Report No.: AHO20110510

Test Standard: FCC Class B 3M Radiation

Test Distance: 3m

Test item: Radiation Emission

Ant. Polarization: Horizontal

Applicant:

Temp.(℃)/Hum.(%): 24(℃) / 56 %

Product:

Power Rating:

Model No.:

Test Engineer: HuangK

Test Mode: 2402

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (◦)	P/F	Remark
1	159.9700	-14.57	57.02	42.45	43.50	-1.05	QP	100	74	P	
2	256.0100	-11.82	53.09	41.27	46.00	-4.73	QP	100	111	P	
3	288.0200	-11.75	54.22	42.47	46.00	-3.53	QP	100	108	P	
4	362.7100	-10.03	53.24	43.21	46.00	-2.79	QP	100	171	P	
5	405.3900	-9.08	53.84	44.76	46.00	-1.24	QP	100	167	P	
6	437.4000	-8.83	52.25	43.42	46.00	-2.58	QP	100	91	P	

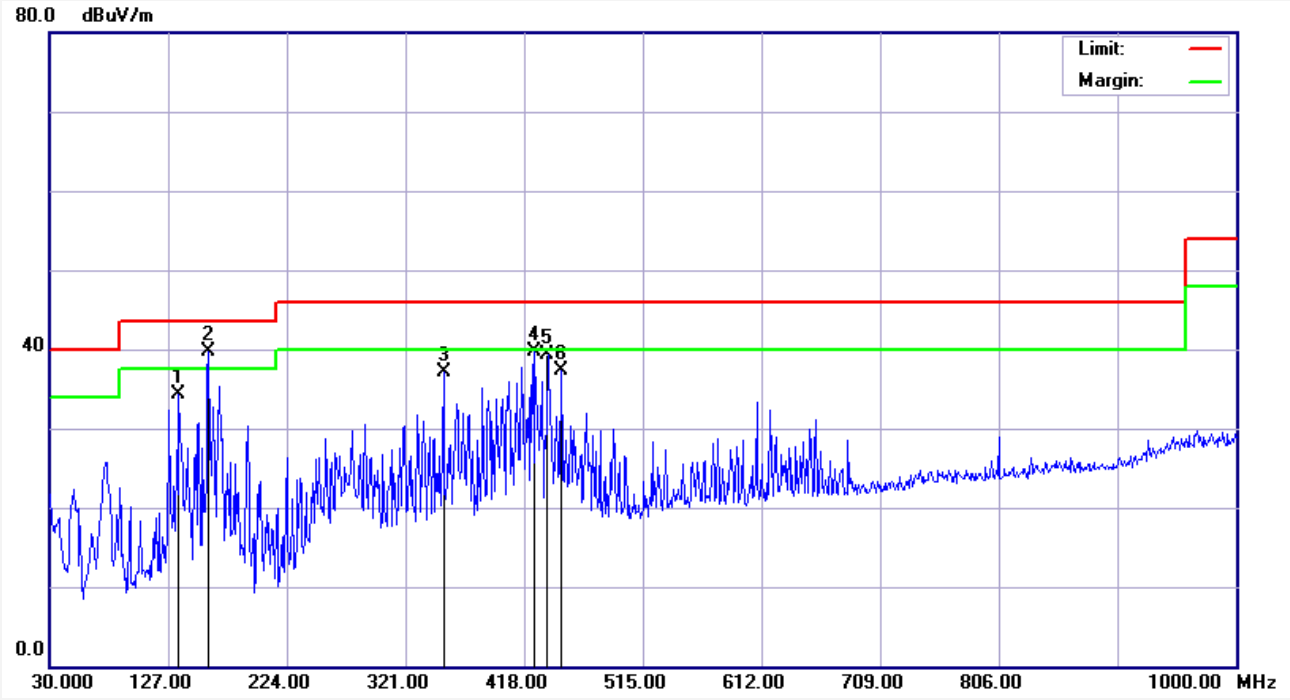
Note: Level=Reading+Factor.

Margin=Limit-Level.

TUV Taiwan
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105
Tel:+886-2172-7000 fax:+886-2528-0018

Site: 966 Chamber

Test Time: 2011/5/10 PM 05:27:54



Report No.: AHO20110510

Test Standard: FCC Class B 3M Radiation

Test Distance: 3m

Test item: Radiation Emission

Ant. Polarization: Vertical

Applicant:

Temp.(℃)/Hum.(%): 24(℃) / 56 %

Product:

Power Rating:

Model No.:

Test Engineer: HuangK

Test Mode: 2402

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (◦)	P/F	Remark
1	135.7298	-13.85	48.20	34.35	43.50	-9.15	peak	205	0	P	
2	159.9798	-14.57	54.33	39.76	43.50	-3.74	peak	100	307	P	
3	352.0400	-10.28	47.31	37.03	46.00	-8.97	peak	100	241	P	
4	426.7300	-8.92	48.54	39.62	46.00	-6.38	peak	100	224	P	
5	437.3999	-8.83	48.18	39.35	46.00	-6.65	peak	200	283	P	
6	448.0699	-8.75	46.01	37.26	46.00	-8.74	peak	199	360	P	

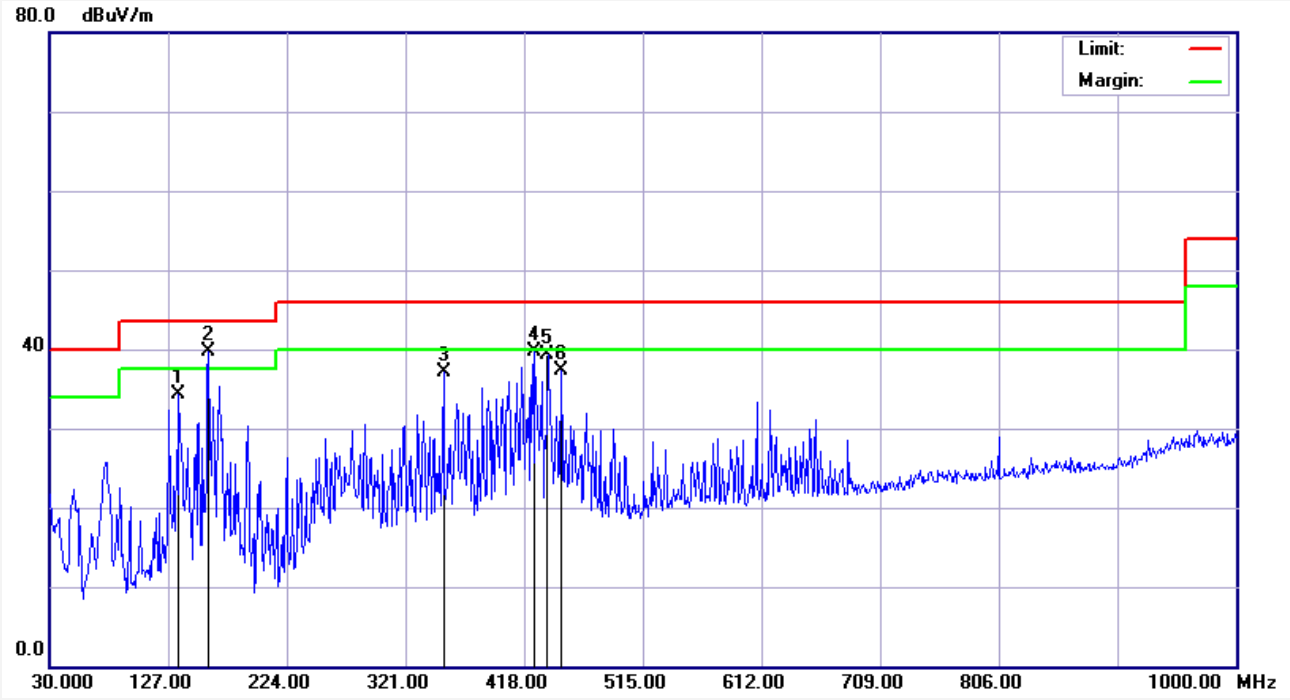
Note: Level=Reading+Factor.

Margin=Limit-Level.

TUV Taiwan
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105
Tel:+886-2172-7000 fax:+886-2528-0018

Site: 966 Chamber

Test Time: 2011/5/10 PM 05:27:54



Report No.: AHO20110510

Test Standard: FCC Class B 3M Radiation

Test Distance: 3m

Test item: Radiation Emission

Ant. Polarization: Vertical

Applicant:

Temp.(℃)/Hum.(%): 24(℃) / 56 %

Product:

Power Rating:

Model No.:

Test Engineer: HuangK

Test Mode: 2402

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (◦)	P/F	Remark
1	135.7298	-13.85	48.20	34.35	43.50	-9.15	peak	205	0	P	
2	159.9798	-14.57	54.33	39.76	43.50	-3.74	peak	100	307	P	
3	352.0400	-10.28	47.31	37.03	46.00	-8.97	peak	100	241	P	
4	426.7300	-8.92	48.54	39.62	46.00	-6.38	peak	100	224	P	
5	437.3999	-8.83	48.18	39.35	46.00	-6.65	peak	200	283	P	
6	448.0699	-8.75	46.01	37.26	46.00	-8.74	peak	199	360	P	

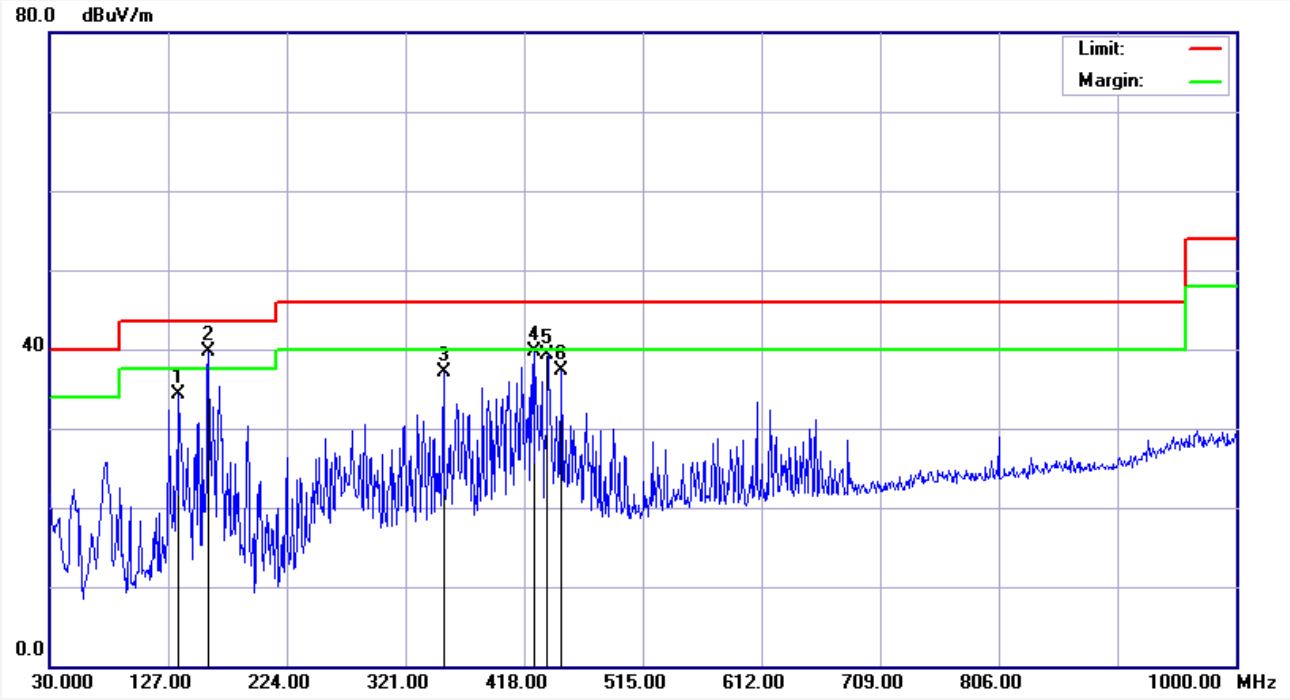
Note: Level=Reading+Factor.

Margin=Limit-Level.

TUV Taiwan
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105
Tel:+886-2172-7000 fax:+886-2528-0018

Site: 966 Chamber

Test Time: 2011/5/10 PM 05:27:54



Report No.: AHO20110510

Test Standard: FCC Class B 3M Radiation

Test Distance: 3m

Test item: Radiation Emission

Ant. Polarization: Vertical

Applicant:

Temp.(℃)/Hum.(%): 24(℃) / 56 %

Product:

Power Rating:

Model No.:

Test Engineer: HuangK

Test Mode: 2402

Remark:

No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (◦)	P/F	Remark
1	135.7298	-13.85	48.20	34.35	43.50	-9.15	peak	205	0	P	
2	159.9798	-14.57	54.33	39.76	43.50	-3.74	peak	100	307	P	
3	352.0400	-10.28	47.31	37.03	46.00	-8.97	peak	100	241	P	
4	426.7300	-8.92	48.54	39.62	46.00	-6.38	peak	100	224	P	
5	437.3999	-8.83	48.18	39.35	46.00	-6.65	peak	200	283	P	
6	448.0699	-8.75	46.01	37.26	46.00	-8.74	peak	199	360	P	

Note: Level=Reading+Factor.

Margin=Limit-Level.

Test Report No. 10031957 001

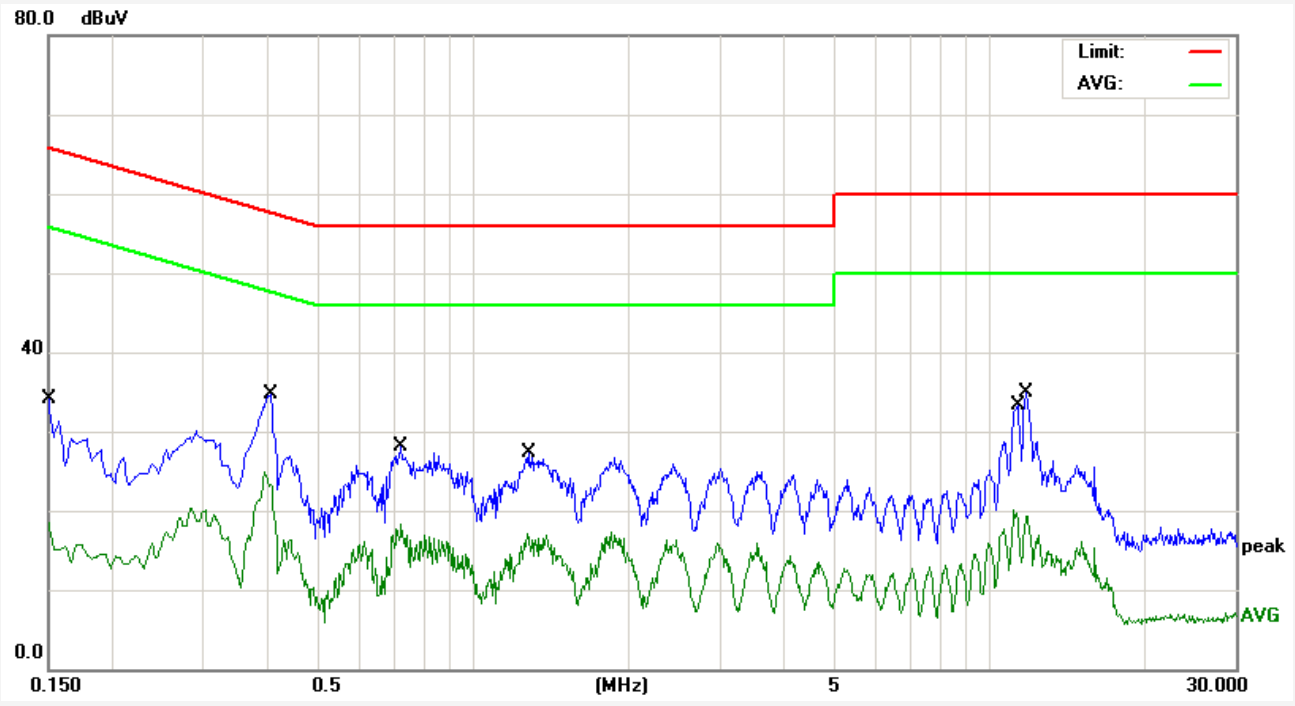
Appendix 2: Test Result of Conducted Emissions

(File:113144261)

TUV Taiwan
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105
Tel:+886-2172-7000 fax:+886-2528-0018

Site: Conduction

Test Time: 2011/6/8 下午 04:00:52



Report No.: 113144261
Test Standard: EN55022 Class B Conduction(QP)
Test item: Conducted Emission
Phase: L1
Applicant: Vencer
Temp.(℃)/Hum.(%): 26(℃) / 55 %
Product: BT3.0 Stereo Module
Power Rating: AC 120V/60Hz
Model No.: VBM-5xx
Test Engineer: Benson Yang

Test Mode: operation
Remark:

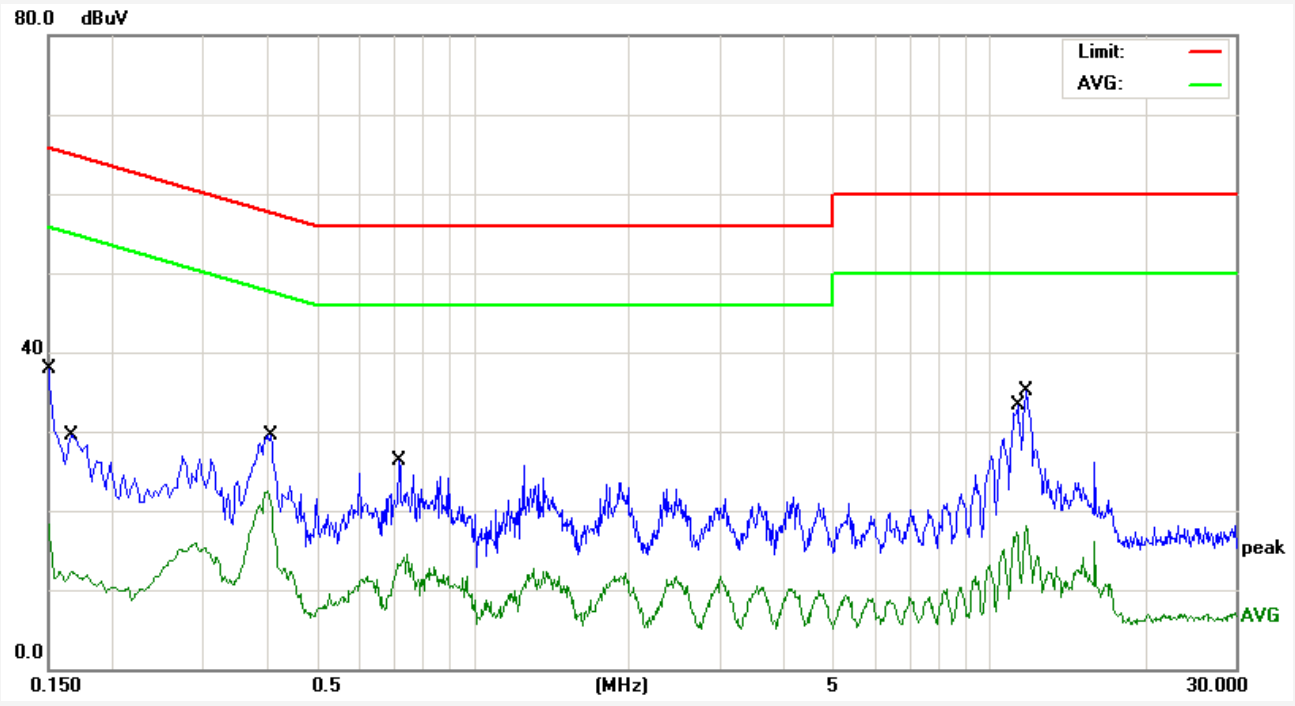
No.	Frequency (MHz)	Factor (dBuV)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1500	9.55	18.32	27.87	65.99	-38.12	QP	P	
2	0.1500	9.55	8.73	18.28	55.99	-37.71	AVG	P	
3	0.4060	9.61	20.95	30.56	57.73	-27.17	QP	P	
4	0.4060	9.61	12.61	22.22	47.73	-25.51	AVG	P	
5	0.7260	9.60	14.34	23.94	56.00	-32.06	QP	P	
6	0.7260	9.60	7.56	17.16	46.00	-28.84	AVG	P	
7	1.2820	9.61	13.37	22.98	56.00	-33.02	QP	P	
8	1.2820	9.61	6.31	15.92	46.00	-30.08	AVG	P	
9	11.3340	9.74	18.81	28.55	60.00	-31.45	QP	P	
10	11.3340	9.74	7.39	17.13	50.00	-32.87	AVG	P	
11	11.7980	9.73	19.71	29.44	60.00	-30.56	QP	P	
12	11.7980	9.73	7.99	17.72	50.00	-32.28	AVG	P	

Note: Level=Reading+Factor.
Margin=Limit-Level.

TUV Taiwan
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105
Tel:+886-2172-7000 fax:+886-2528-0018

Site: Conduction

Test Time: 2011/6/8 下午 04:03:10



Report No.: 113144261

Test Standard: EN55022 Class B Conduction(QP)

Test item: Conducted Emission

Phase: L2

Applicant: Vencer

Temp.(℃)/Hum.(%): 26(℃) / 55 %

Product: BT3.0 Stereo Module

Power Rating: AC 120V/60Hz

Model No.: VBM-5xx

Test Engineer: Benson Yang

Test Mode: operation

Remark:

No.	Frequency (MHz)	Factor (dBuV)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1500	9.65	21.81	31.46	65.99	-34.53	QP	P	
2	0.1500	9.65	7.03	16.68	55.99	-39.31	AVG	P	
3	0.1660	9.66	11.69	21.35	65.15	-43.80	QP	P	
4	0.1660	9.66	1.83	11.49	55.15	-43.66	AVG	P	
5	0.4060	9.64	16.05	25.69	57.73	-32.04	QP	P	
6	0.4060	9.64	10.61	20.25	47.73	-27.48	AVG	P	
7	0.7180	9.64	7.98	17.62	56.00	-38.38	QP	P	
8	0.7180	9.64	3.34	12.98	46.00	-33.02	AVG	P	
9	11.3540	9.78	18.89	28.67	60.00	-31.33	QP	P	
10	11.3540	9.78	4.67	14.45	50.00	-35.55	AVG	P	
11	11.7860	9.78	19.85	29.63	60.00	-30.37	QP	P	
12	11.7860	9.78	5.68	15.46	50.00	-34.54	AVG	P	

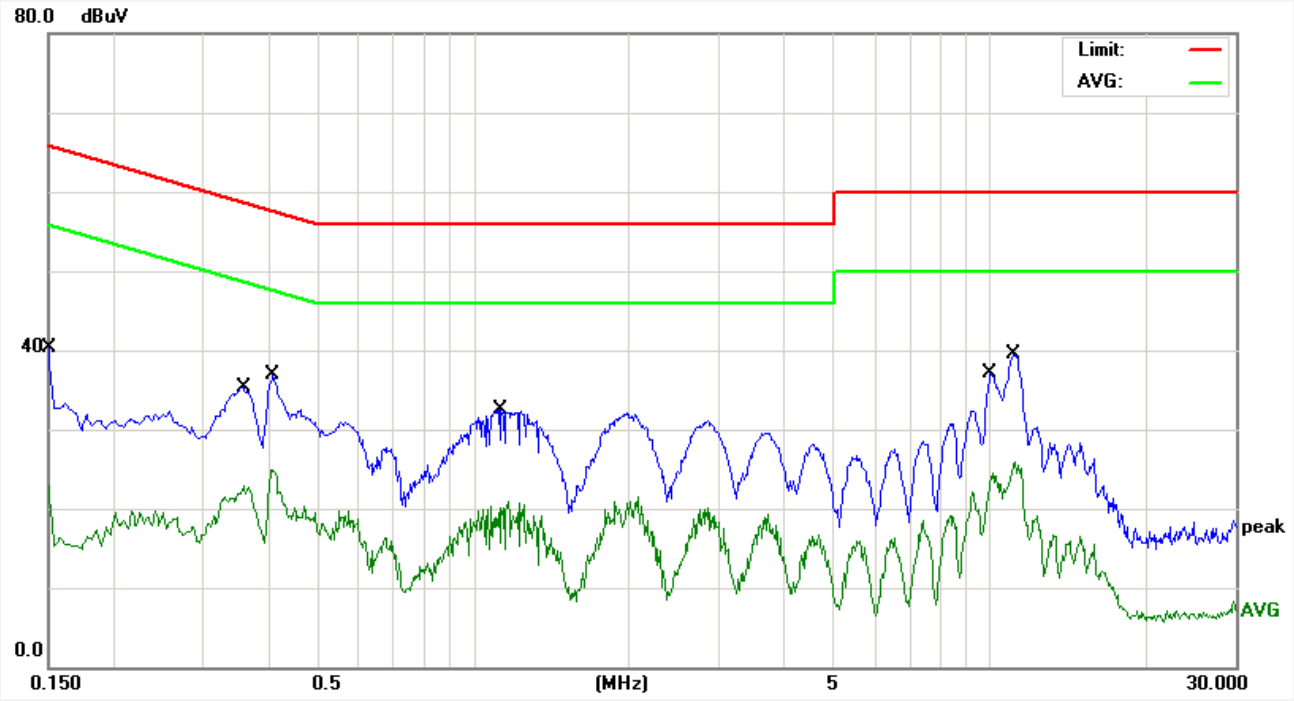
Note: Level=Reading+Factor.

Margin=Limit-Level.

TUV Taiwan
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105
Tel:+886-2172-7000 fax:+886-2528-0018

Site: Conduction

Test Time: 2011/6/13 上午 11:13:39



Report No.: 113144261

Test Standard: EN55022 Class B Conduction(QP)

Test item: Conducted Emission

Phase: L1

Applicant: Vencer

Temp.(℃)/Hum.(%): 26(℃) / 53 %

Product: BT3.0 Stereo Module

Power Rating: AC 230V/50Hz

Model No.: VBM-5xx

Test Engineer: Benson Yang

Test Mode: operation

Remark:

No.	Frequency (MHz)	Factor (dBuV)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1500	9.55	24.83	34.38	65.99	-31.61	QP	P	
2	0.1500	9.55	12.50	22.05	55.99	-33.94	AVG	P	
3	0.3580	9.62	20.21	29.83	58.77	-28.94	QP	P	
4	0.3580	9.62	11.53	21.15	48.77	-27.62	AVG	P	
5	0.4100	9.61	21.98	31.59	57.65	-26.06	QP	P	
6	0.4100	9.61	13.32	22.93	47.65	-24.72	AVG	P	
7	1.1300	9.62	17.00	26.62	56.00	-29.38	QP	P	
8	1.1300	9.62	8.33	17.95	46.00	-28.05	AVG	P	
9	10.0500	9.75	17.80	27.55	60.00	-32.45	QP	P	
10	10.0500	9.75	7.72	17.47	50.00	-32.53	AVG	P	
11	11.1380	9.74	23.56	33.30	60.00	-26.70	QP	P	
12	11.1380	9.74	11.31	21.05	50.00	-28.95	AVG	P	

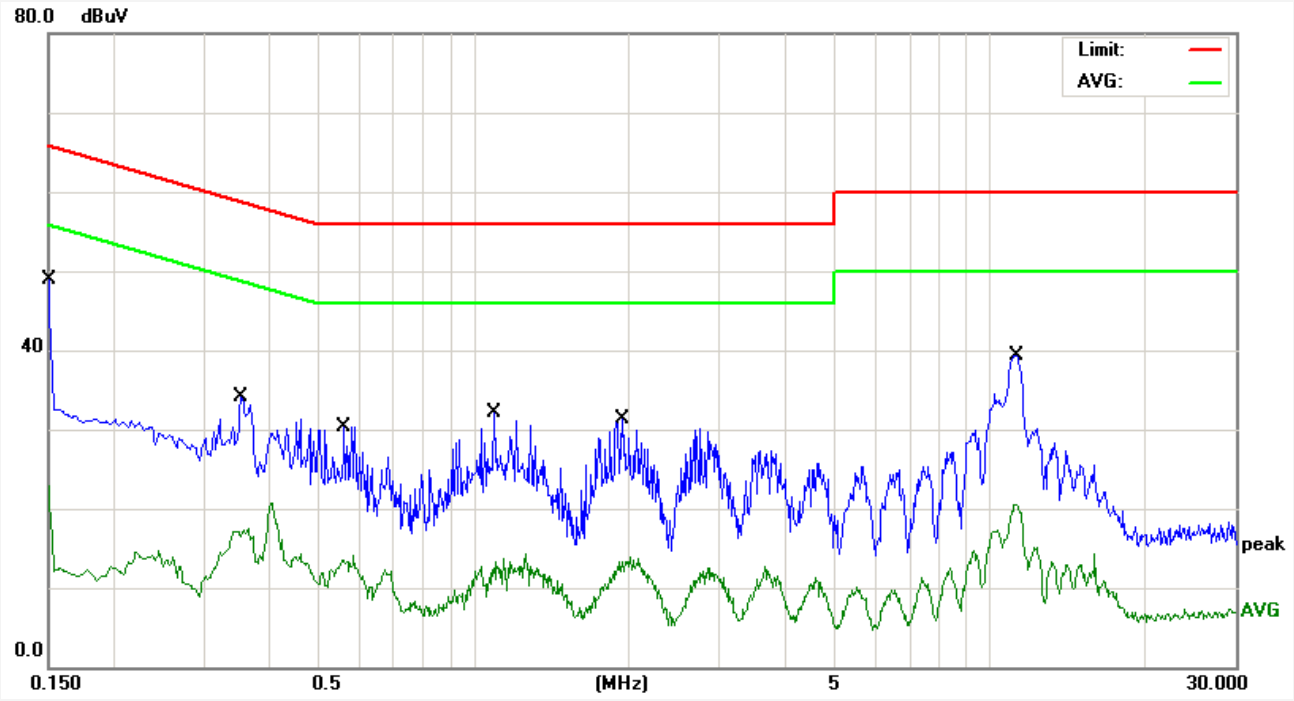
Note: Level=Reading+Factor.

Margin=Limit-Level.

TUV Taiwan
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105
Tel:+886-2172-7000 fax:+886-2528-0018

Site: Conduction

Test Time: 2011/6/13 上午 11:16:03



Report No.: 113144261

Test Standard: EN55022 Class B Conduction(QP)

Test item: Conducted Emission

Phase: L2

Applicant: Vencer

Temp.(℃)/Hum.(%): 26(℃) / 53 %

Product: BT3.0 Stereo Module

Power Rating: AC 230V/50Hz

Model No.: VBM-5xx

Test Engineer: Benson Yang

Test Mode: operation

Remark:

No.	Frequency (MHz)	Factor (dBuV)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1500	9.65	31.73	41.38	65.99	-24.61	QP	P	
2	0.1500	9.65	12.31	21.96	55.99	-34.03	AVG	P	
3	0.3540	9.64	13.52	23.16	58.87	-35.71	QP	P	
4	0.3540	9.64	6.60	16.24	48.87	-32.63	AVG	P	
5	0.5620	9.63	9.21	18.84	56.00	-37.16	QP	P	
6	0.5620	9.63	2.81	12.44	46.00	-33.56	AVG	P	
7	1.0980	9.63	10.61	20.24	56.00	-35.76	QP	P	
8	1.0980	9.63	2.37	12.00	46.00	-34.00	AVG	P	
9	1.9460	9.62	9.81	19.43	56.00	-36.57	QP	P	
10	1.9460	9.62	1.70	11.32	46.00	-34.68	AVG	P	
11	11.2580	9.78	23.87	33.65	60.00	-26.35	QP	P	
12	11.2580	9.78	8.36	18.14	50.00	-31.86	AVG	P	

Note: Level=Reading+Factor.

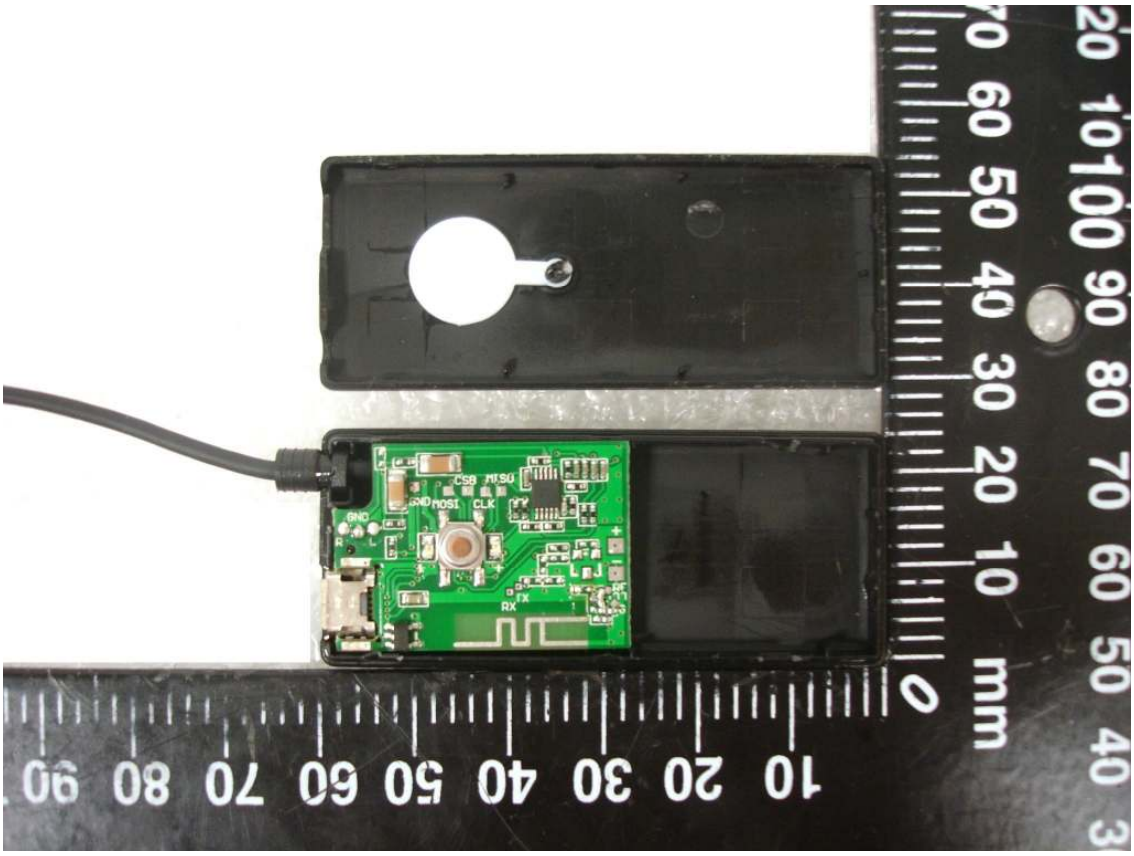
Margin=Limit-Level.

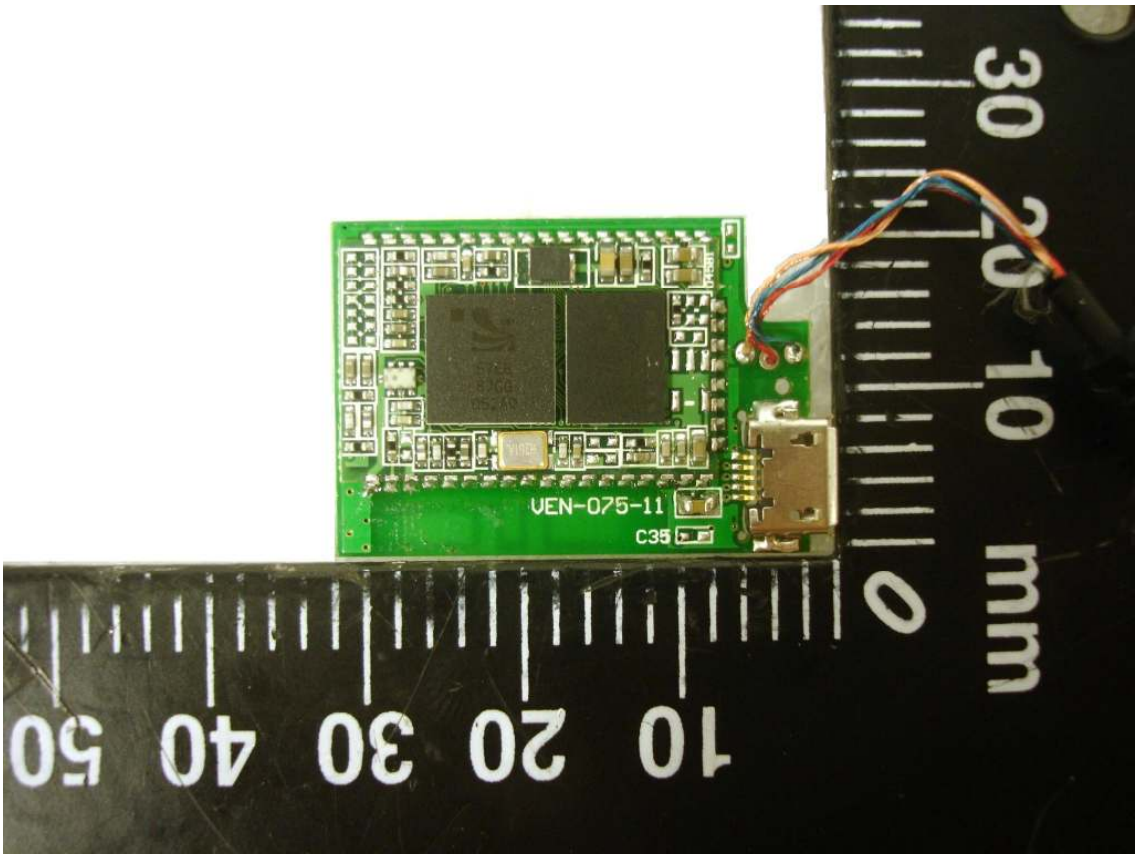
Product: Bluetooth Stereo Audio Adapter

Type Designation: VD-3302

Product: Bluetooth Stereo Audio Adapter

Type Designation: VD-3302





Product: Bluetooth Stereo Audio Adapter

Type Designation: VD-3302