

**DIGITAL EMC CO., LTD.**

683-3, Yubang-Dong, Yongin-Si, Kyunggi-Do, Korea. 449-080

Tel: +82-31-321-2664 Fax: +82-31-321-1664

<http://www.digitalemccom>

Certification of Compliance

Samsin Innotec Co., Ltd.252-23, Sarihyun-Dong, Ilsandong-Gu, Goyang-City,
Kyonggi-Do, 411-530 Korea

Dates of Tests: September 11 ~ 14, 2009

Test Report S/N: DR50110909I

Test Site : DIGITAL EMC CO., LTD.

FCC ID

QJ8-SWE1001T

APPLICANT

Samsin Innotec Co., Ltd.

FCC Classification	:	Part 15 Low Power Communication Device Transmitter
Device name	:	Student Receiver with Headphone
Manufacturer	:	Samsin Innotec Co., Ltd.
FCC ID	:	QJ8-SWE1001T
Model name	:	TM-2
Test Device Serial number	:	Identical prototype
FCC Rule Part(s)	:	FCC Part 15.249; ANSI C-63.4-2003
Frequency Range	:	2403 ~ 2473 MHz
Data of issue	:	September 14, 2009

TABLE OF CONTENTS

1. GENERAL INFORMATION	-----	3
2. INFORMATION ABOUT TEST ITEM	-----	4
3. TEST REPORT	-----	5
3.1 SUMMARY OF TESTS	-----	5
3.2 TRANSMITTER REQUIREMENTS	-----	6
3.2.1 AC CONDUCTED EMISSIONS	-----	6
3.2.2 RADIATED EMISSION	-----	7
ANNEX TEST EQUIPMENT USED FOR TESTS	-----	19

1. General information

This report contains the result of tests performed by:

DIGITAL EMC CO., LTD.

Address : 683-3, Yubang-Dong, Yongin-Si, Kyunggi-Do, Korea. 449-080

<http://www.digitalemccom> E-mail: harveysung@digitalemccom

Tel: +82-31-321-2664 Fax: +82-31-321-1664

Quality control in the testing laboratory is implemented as per ISO/IEC 17025 which is the "General requirements for the competent of calibration and testing laboratory".

Test by: Engineer

September 14, 2009

Byung-Gee Han

Data

Name

Signature

Reviewed By: Manager

September 14, 2009

W.J. Lee

Data

Name

Signature

Applicant:

Company name : Samsin Innotec Co., Ltd.
Address : 252-23, Sarihyun-Dong, Ilsandong-Gu,
Zip code : 411-530
City/town : Goyang-City, Kyonggi-Do
Country : Korea
Date of order : July 20, 2009

2. Information about test item

QJ8-SWE1001T

2.1 Equipment information

Equipment model name	TM-2
Type of equipment	Student Receiver with Headphone
Frequency band	2403 MHz ~ 2473 MHz
Type of Modulation	GFSK
Channel Spacing	2.0 MHz
Type of antenna	Chip Antenna
Power	Lithium Battery DC 3.7V

2.2 Tested frequency

Frequency	TX
Low frequency	2403 MHz
Middle frequency	2439 MHz
High frequency	2474 MHz

2.3 Tested environment

Temperature	: 15 ~ 35 (°C)
Relative humidity content	: 20 ~ 75 %
Air pressure	: 86 ~ 103 kPa
Details of power supply	: DC 3.7 V

2.4 Ancillary Equipment

Equipment	Model No.	Serial No.	Manufacturer
-	-	-	-
-	-	-	-

2.5 EMI Suppression Device(s)/Modifications

EMI suppression device(s) added and/or modifications made during testing -> none

3. Test Report

3.1 Summary of tests

FCC Part Section(s)	Parameter	Limit (Using in 2400 ~ 2483.5MHz)	Test Condition	Status (note 1)
I. Transmit mode(Tx)				
15.249 (a)	Field Strength Limits	Refer to the FCC 15.249(a)	Radiated	C
15.205 / 15.209	General Field Strength Limits (Restricted Bands and Radiated Emission Limits)	< FCC 15.209 limits	Radiated	C
15.207	AC Conducted Emissions	< FCC 15.207 limits	Line Conducted	NA
Note 1: C=Complies NC=Not Complies NT=Not Tested NA=Not Applicable Note 2: When this device is in the charging mode, the transmission function is disabled.				

The sample was tested according to the following specification:

FCC Parts 15.249; ANSI C-63.4-2003

3.2 Transmitter requirements

3.2.1 AC Conducted Emissions

Procedure:

The conducted emissions are measured in the shielded room with a spectrum analyzer in peak hold. While the measurement, EUT operates at the middle channels in line with Section 15.31(m). Emissions closest to the limit are measured in the quasi-peak detector mode and average detector mode with the tuned receiver using a bandwidth of 9 kHz. The emissions are maximized further by cable manipulation and Exerciser operation. The highest emissions relative to the limit are listed.

Measurement Data: **Not Applicable**

Note: When this device is in the charging mode, the transmission function is disabled.

Minimum Standard: FCC Part 15.207(a)/EN 55022

Frequency Range (MHz)	Conducted Limit (dBuV)	
	Quasi-Peak	Average
0.15 ~ 0.5	66 to 56 *	56 to 46 *
0.5 ~ 5	56	46
5 ~ 30	60	50

* Decreases with the logarithm of the frequency

Measurement Setup

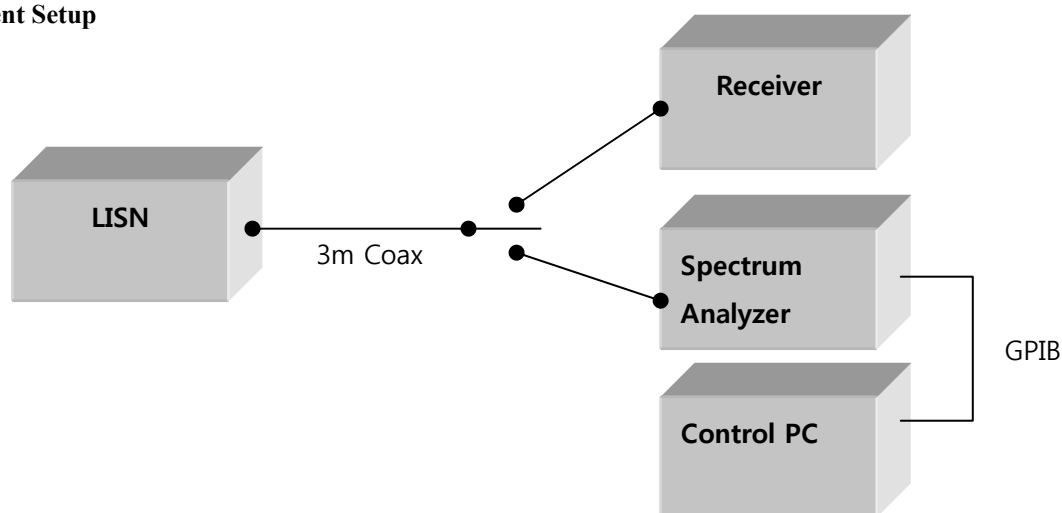


Figure 1: Measurement setup for AC Conducted Emission

3.2.2 Radiated Emission

Procedure:

The EUT was placed on a 0.8m high wooden table inside a semi anechoic chamber. An antenna was placed at 3m distance from the EUT. Measurements of frequencies and amplitudes of field strengths were recorded for reference during final measurements. For final radiated testing, measurements were performed on OATS. Measurements were performed with the EUT oriented in 3 orthogonal axis and rotated 360 degrees to determine worst-case orientation for maximum emissions

The spectrum analyzer is set to:

Frequency Range = 30 MHz ~ 10th harmonic.

RBW = 100 kHz (30MHz ~ 1 GHz)

= 1 MHz (1 GHz ~ 10th harmonic)

Distance = 3m

Trace = max hold

VBW ≥ RBW

Detector function = peak

Sweep = auto

Measurement Data: **Complies**

- Refer to the next page.
- Marker 1's emissions of the low band edge test plots are emissions from WIMAX downlink signal in Korea.

Fundamental / Harmonics emission: FCC Part 15.249(a)

Frequency (MHz)	Limit @ 3m	
	Fundamental (mV/m)	Harmonics (uV/m)
2400 ~ 2483.5	50	500

General Standard: FCC Part 15.209(a)

Frequency (MHz)	Limit (uV/m) @ 3m
30 ~ 88	100 **
88 ~ 216	150 **
216 ~ 960	200 **
Above 960	500

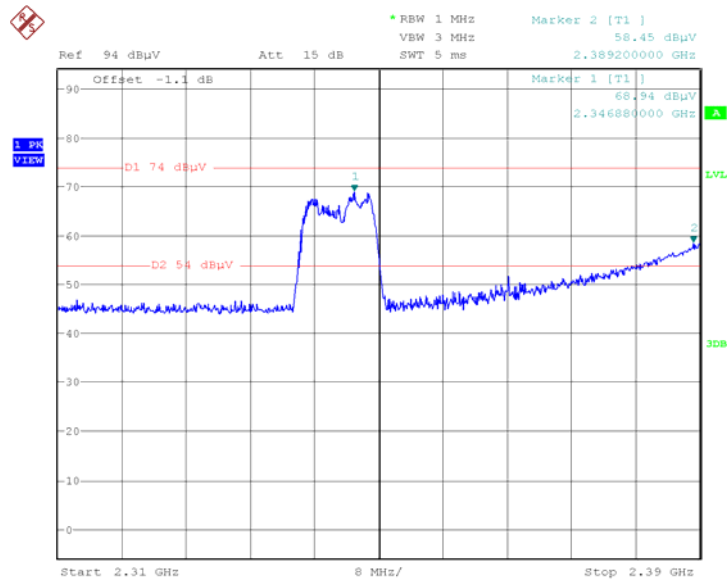
** Except as provided in 15.209(g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88MHz, 174-216MHz or 470-806MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g. 15.231 and 15.241.

▪ **FCC Part 15.205 (a):** Only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	MHz	GHz	GHz
0.009 ~ 0.110	12.29 ~ 12.293	149.9 ~ 150.05	1645.5 ~ 1646.5	4.5 ~ 5.15	14.47 ~ 14.5
0.495 ~ 0.505	12.51975 ~ 12.52025	156.52475 ~ 156.52525	1660 ~ 1710	5.35 ~ 5.46	15.35 ~ 16.2
2.1735 ~ 2.1905	12.57675 ~ 12.57725	156.7 ~ 156.9	1718.8 ~ 1722.2	7.25 ~ 7.75	17.7 ~ 21.4
4.125 ~ 4.128	13.36 ~ 13.41	162.0125 ~ 167.17	2200 ~ 2300	8.025 ~ 8.5	22.01 ~ 23.12
4.17725 ~ 4.17775	16.42 ~ 16.423	167.72 ~ 173.2	2310 ~ 2390	9.0 ~ 9.2	23.6 ~ 24.0
4.20725 ~ 4.20775	16.69475 ~ 16.69525	240 ~ 285	2483.5 ~ 2500	9.3 ~ 9.5	31.2 ~ 31.8
6.215 ~ 6.218	16.80425 ~ 16.80475	322 ~ 335.4	2655 ~ 2900	10.6 ~ 12.7	36.43 ~ 36.5
6.26775 ~ 6.26825	25.5 ~ 25.67	399.90 ~ 410	3260 ~ 3267	13.25 ~ 13.4	Above 38.6
6.31175 ~ 6.31225	37.5 ~ 38.25	608 ~ 614	3332 ~ 3339		
8.291 ~ 8.294	73 ~ 74.6	960 ~ 1240	3345.8 ~ 3358		
8.362 ~ 8.366	74.8 ~ 75.2	1300 ~ 1427	3600 ~ 4400		
8.37625 ~ 8.38675	108 ~ 121.94	1435 ~ 1626.5			
8.41425 ~ 8.41475	123 ~ 138				

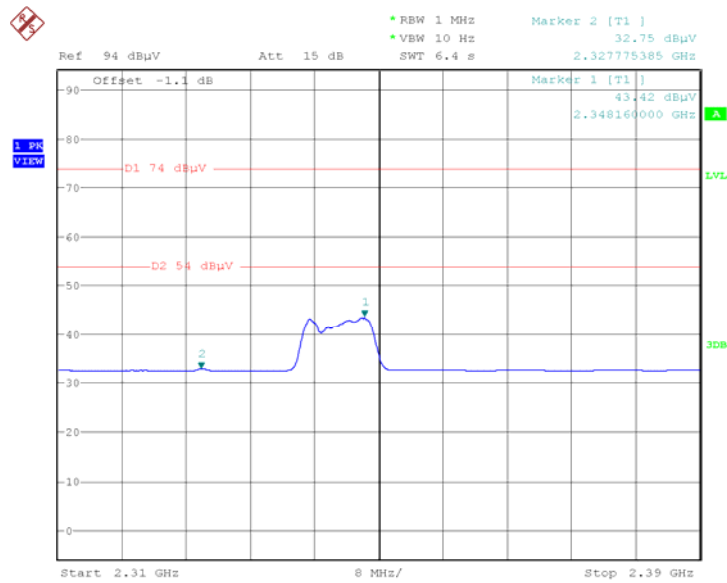
▪ **FCC Part 15.205(b):** The field strength of emissions appearing within these frequency bands shall not exceed the limits shown in §15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in §15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in §15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in §15.35 apply to these measurements.

Restricted Band Edge: Low Channel (Peak, Horizontal)



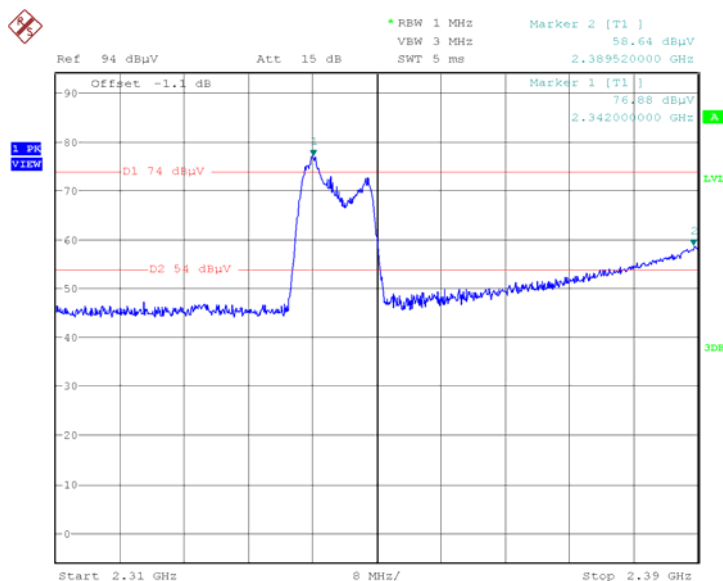
Marker 1's emissions of the low band edge test plots are emissions from WIMAX downlink signal in Korea.

Restricted Band Edge: Low Channel (Average, Horizontal)



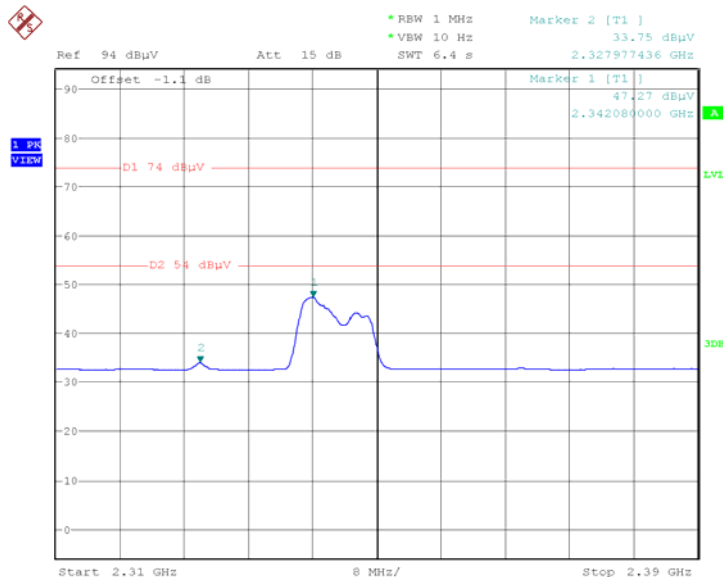
Marker 1's emissions of the low band edge test plots are emissions from WIMAX downlink signal in Korea.

Restricted Band Edge: Low Channel (Peak, Vertical)



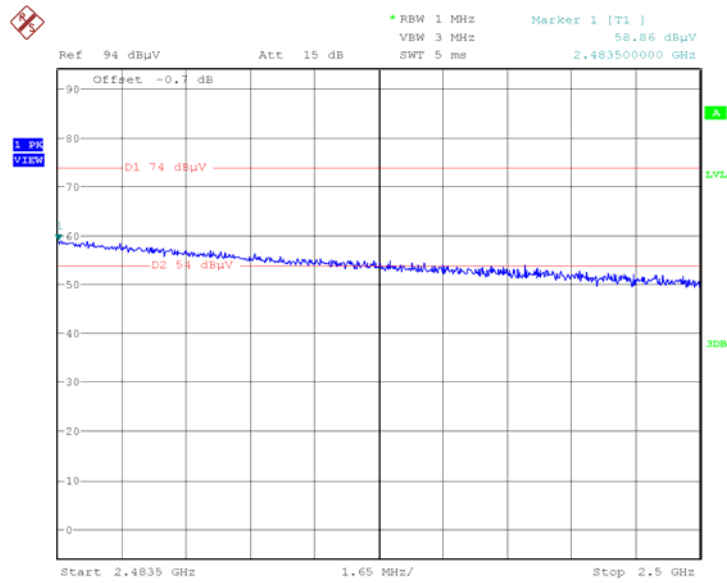
Marker 1's emissions of the low band edge test plots are emissions from WIMAX downlink signal in Korea.

Restricted Band Edge: Low Channel (Average, Vertical)

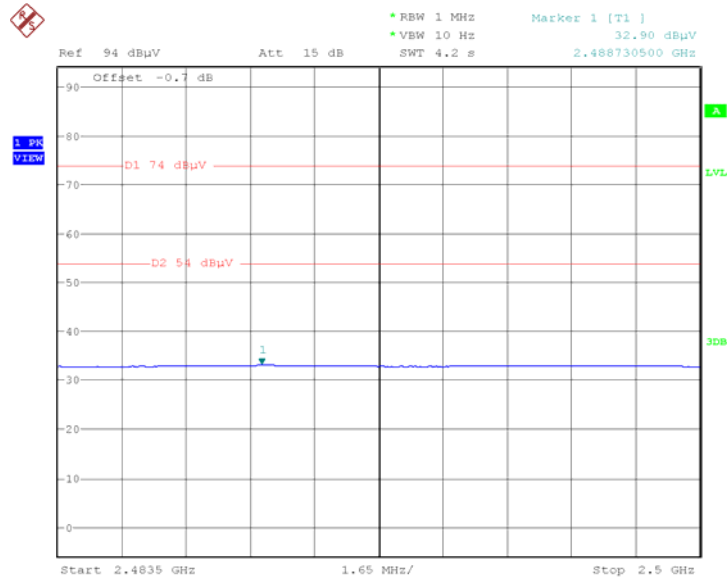


Marker 1's emissions of the low band edge test plots are emissions from WIMAX downlink signal in Korea.

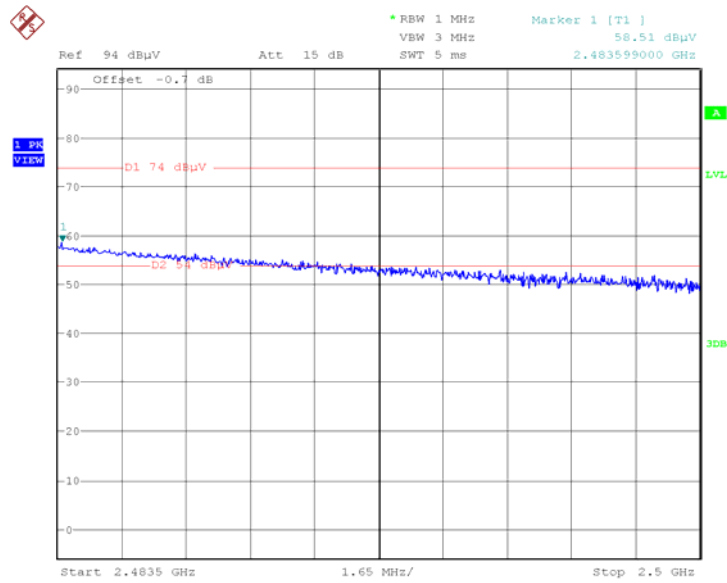
Restricted Band Edge: High Channel (Peak, Horizontal)



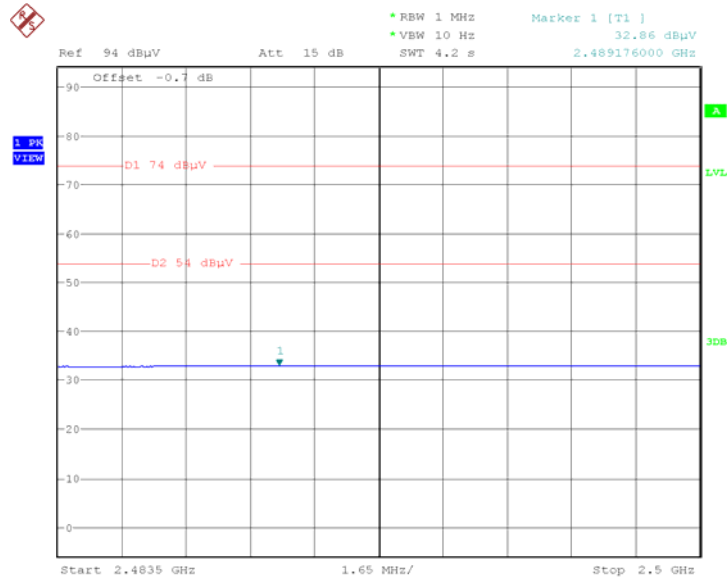
Restricted Band Edge: High Channel (Average, Horizontal)



Restricted Band Edge: High Channel (Peak, Vertical)



Restricted Band Edge: High Channel (Average, Vertical)



- Measurement Data: Fundamental Frequency

Frequency (MHz)	ANT Pol	Reading(dBuV)		T.F (dB)	Result(dBuV/m)		Limit(dBuV/m)		Margin(dB)	
		PK	AV		PK	AV	PK	AV	PK	AV
2403	H	93.75	60.24	-0.98	92.77	52.26	114	94	21.23	34.74
2403	V	93.71	60.39	-0.98	92.73	59.41	114	94	21.27	34.59
2439	H	93.83	72.30	-0.96	92.87	71.34	114	94	21.13	22.66
2439	V	92.51	71.30	-0.96	91.55	70.34	114	94	22.45	23.66
2473	H	92.32	71.06	-0.84	91.48	70.22	114	94	22.52	23.78
2473	V	90.67	69.93	-0.84	89.83	69.09	114	94	24.17	24.91

Note.

1. Sample Calculation.

$$\text{Margin} = \text{Limit} - \text{Result} \quad / \quad \text{Result} = \text{Reading} + \text{T.F} \quad / \quad \text{T.F} = \text{AF} + \text{CL} - \text{AG}$$

Where, T.F = Total Factor, AF = Antenna Factor, CL = Cable Loss, AG = Amplifier Gain

- Measurement Data: Low Channel & Test Frequency range = 30MHz ~ 1GHz

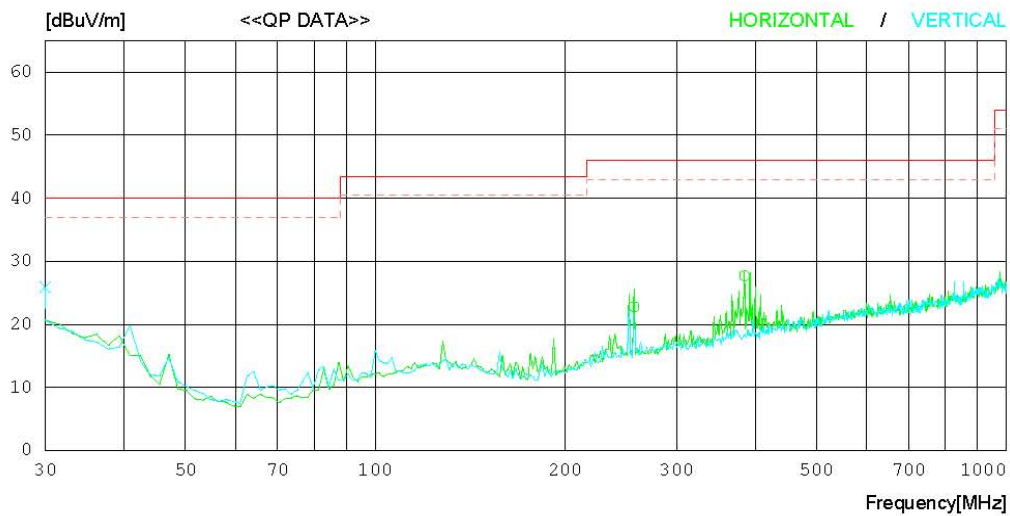


RADIATED EMISSION

Model Name : TM-2
 Model No. :
 Serial No. : Identical Prototype
 Test Condition : TX:2403MHz
 Reference No. :
 Power Supply :
 Temp/Humi : 26'C 44%
 Operator : B.G.HAN

Memo :

LIMIT : FCC Part15 Subpart.B Class B (3m)
 MARGIN: 3 dB



No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal -----										
1	257.100	30.4	13.3	2.3	23.2	22.8	46.0	23.2	400	277
2	384.422	33.0	15.7	2.9	23.9	27.7	46.0	18.3	101	81
----- Vertical -----										
3	30.000	28.4	19.1	0.8	22.4	25.9	40.0	14.1	100	358

- Measurement Data: Low Channel & Test Frequency range = 1GHz ~ 25GHz

Frequency (MHz)	ANT Pol	Reading(dBuV)		T.F	Result(dBuV/m)		Limit(dBuV/m)		Margin(dB)	
		PK	AV	(dB)	PK	AV	PK	AV	PK	AV
4806	Hor	49.07	35.46	6.15	55.22	41.61	74.00	54.00	18.78	12.39
4806	Ver	53.41	38.24	6.15	59.56	44.39	74.00	54.00	14.44	9.61

Note.

1. No other spurious and harmonic emissions were detected at a level greater than 20dB below limit.
2. Sample Calculation.

$$\text{Margin} = \text{Limit} - \text{Result} \quad / \quad \text{Result} = \text{Reading} + \text{T.F} \quad / \quad \text{T.F} = \text{AF} + \text{CL} - \text{AG}$$

Where, T.F = Total Factor, AF = Antenna Factor, CL = Cable Loss, AG = Amplifier Gain

- Measurement Data: Middle Channel & Test Frequency range = 30MHz ~ 1GHz

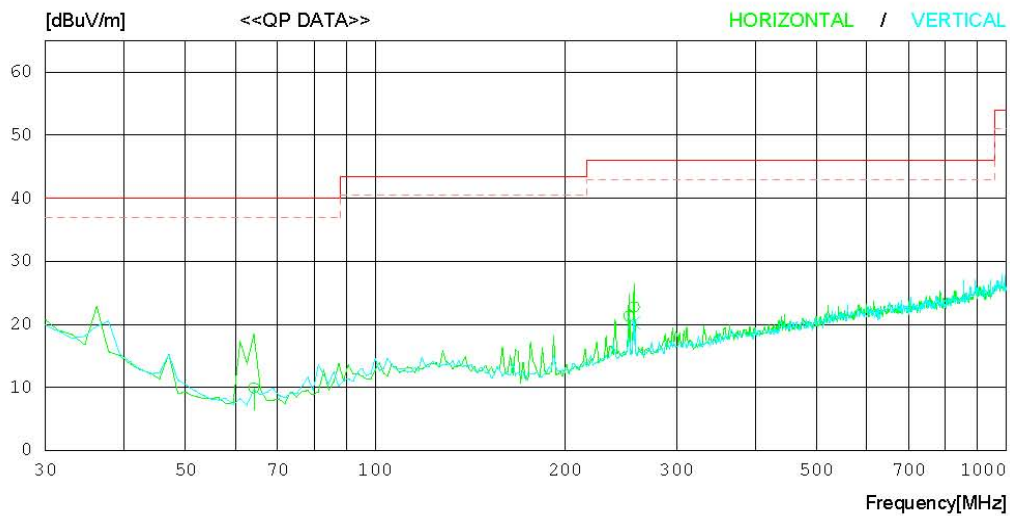


RADIATED EMISSION

Model Name : TM-2
 Model No. :
 Serial No. : Identical Prototype
 Test Condition : TX:2439MHz
 Reference No. :
 Power Supply :
 Temp/Humi : 26°C 44%
 Operator : B.G.HAN

Memo :

LIMIT : FCC Part15 Subpart.B Class B (3m)
 MARGIN: 3 dB



No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal -----										
1	64.199	25.3	5.9	1.1	22.4	9.9	40.0	30.1	101	358
2	252.292	28.9	13.2	2.3	23.1	21.3	46.0	24.7	201	1
3	257.240	30.4	13.3	2.3	23.2	22.8	46.0	23.2	398	201
----- Vertical -----										
4	257.050	27.8	13.3	2.3	23.2	20.2	46.0	25.8	100	1

- Measurement Data: Middle Channel & Test Frequency range = 1GHz ~ 25GHz

Frequency (MHz)	ANT Pol	Reading(dBuV)		T.F	Result(dBuV/m)		Limit(dBuV/m)		Margin(dB)	
		PK	AV	(dB)	PK	AV	PK	AV	PK	AV
4878	Hor	48.43	35.96	6.44	54.87	42.40	74.00	54.00	19.13	11.60
4878	Ver	52.10	39.71	6.44	58.54	46.15	74.00	54.00	15.46	7.85

Note.

1. No other spurious and harmonic emissions were detected at a level greater than 20dB below limit.
2. Sample Calculation.

$$\text{Margin} = \text{Limit} - \text{Result} \quad / \quad \text{Result} = \text{Reading} + \text{T.F} \quad / \quad \text{T.F} = \text{AF} + \text{CL} - \text{AG}$$

Where, T.F = Total Factor, AF = Antenna Factor, CL = Cable Loss, AG = Amplifier Gain

- Measurement Data: High Channel & Test Frequency range = 30MHz ~ 1GHz

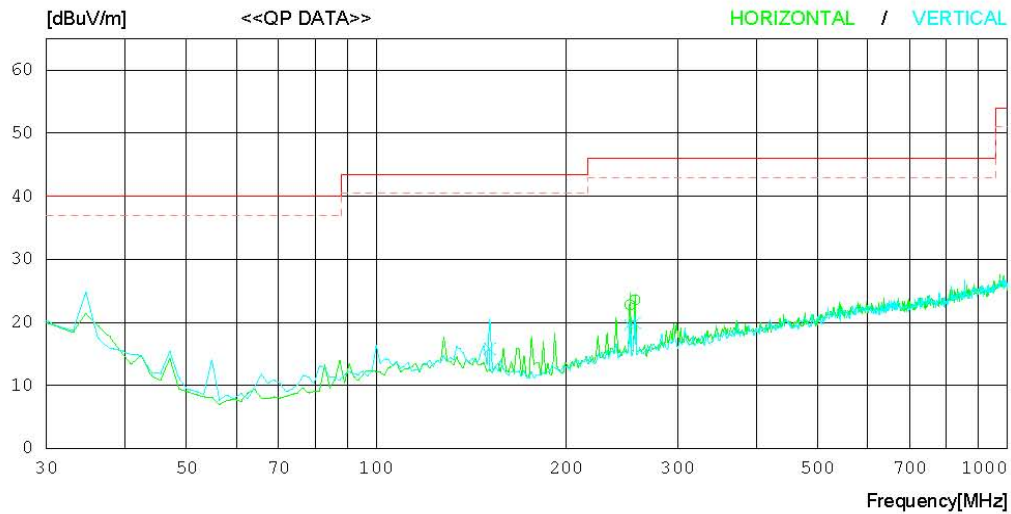


RADIATED EMISSION

Model Name : TM-2
 Model No. :
 Serial No. : Identical Prototype
 Test Condition : TX:2473MHz
 Reference No. :
 Power Supply :
 Temp/Humi : 26°C 44%
 Operator : B.G.HAN

Memo :

LIMIT : FCC Part15 Subpart.B Class B (3m)
 MARGIN: 3 dB



No.	FREQ [MHz]	READING QP [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal -----										
1	252.292	30.4	13.2	2.3	23.1	22.8	46.0	23.2	201	239
2	256.955	31.2	13.3	2.3	23.2	23.6	46.0	22.4	400	135
----- Vertical -----										
3	151.250	26.1	10.6	1.7	22.6	15.8	43.5	27.7	400	358
4	252.292	27.2	13.2	2.3	23.1	19.6	46.0	26.4	199	358
5	256.955	27.5	13.3	2.3	23.2	19.9	46.0	26.1	299	264

- Measurement Data: High Channel & Test Frequency range = 1GHz ~ 25GHz

Frequency (MHz)	ANT Pol	Reading(dBuV)		T.F	Result(dBuV/m)		Limit(dBuV/m)		Margin(dB)	
		PK	AV	(dB)	PK	AV	PK	AV	PK	AV
4946	Hor	47.20	35.23	6.80	54.00	42.03	74.00	54.00	20.00	11.97
4946	Ver	52.35	40.00	6.80	59.15	46.80	74.00	54.00	14.85	7.20

Note.

1. No other spurious and harmonic emissions were detected at a level greater than 20dB below limit.
2. Sample Calculation.

$$\text{Margin} = \text{Limit} - \text{Result} \quad / \quad \text{Result} = \text{Reading} + \text{T.F} \quad / \quad \text{T.F} = \text{AF} + \text{CL} - \text{AG}$$

Where, T.F = Total Factor, AF = Antenna Factor, CL = Cable Loss, AG = Amplifier Gain

APPENDIX

TEST EQUIPMENT USED FOR TESTS

To facilitate inclusion on each page of the test equipment used for related tests, each item of test equipment.

	Type	Manufacturer	Model	Cal.Due.Date (dd/mm/yy)	Next.Due.Date (dd/mm/yy)	S/N
☐	Spectrum Analyzer	Agilent	E4440A	06/11/08	06/11/09	MY45304199
☒	Spectrum Analyzer	Rohde Schwarz	FSQ26	02/02/09	02/02/10	200347
☐	Spectrum Analyzer(RE)	H.P	8563E	13/10/08	13/10/09	3551A04634
☐	Power Meter	H.P	EMP-442A	02/07/09	02/07/10	GB37170413
☐	Power Sensor	H.P	8481A	02/07/09	02/07/10	3318A96332
☐	Power Divider	Agilent	11636B	04/12/08	04/12/09	56471
☐	Power Splitter	Anritsu	K241B	14/10/08	14/10/09	020611
☐	Power Splitter	Anritsu	K241B	02/07/09	02/07/10	017060
☐	Frequency Counter	H.P	5342A	16/09/08	16/09/09	2119A04450
☐	TEMP & HUMIDITY Chamber	JISCO	KR-100/J-RHC2	10/10/08	10/10/09	30604493/021031
☐	Digital Multimeter	H.P	34401A	13/03/09	13/03/10	3146A13475
☐	Multifunction Synthesizer	HP	8904A	06/10/08	06/10/09	3633A08404
☐	Signal Generator	Rohde Schwarz	SMR20	13/03/09	13/03/10	101251
☐	Signal Generator	H.P	ESG-3000A	02/07/09	02/07/10	US37230529
☐	Vector Signal Generator	Rohde Schwarz	SMJ100A	02/02/09	02/02/10	100148
☐	Audio Analyzer	H.P	8903B	02/07/09	02/07/10	3011A09448
☐	Modulation Analyzer	H.P	8901B	02/07/09	02/07/10	3028A03029
☐	8960 Series 10 Wireless Comms. Test Set	Agilent	E5515C	02/07/09	02/07/10	GB43461134
☐	Universal Radio communication Tester	Rohde Schwarz	CMU 200	19/05/09	19/05/10	106760
☐	Bluetooth Tester	TESCOM	TC-3000B	02/07/09	02/07/10	3000B000268
☐	Thermo hygrometer	BODYCOM	BJ5478	06/02/09	06/02/10	090205-3
☒	Thermo hygrometer	BODYCOM	BJ5478	06/02/09	06/02/10	090205-2
☐	Thermo hygrometer	BODYCOM	BJ5478	06/02/09	06/02/10	090205-4
☐	AC Power supply	DAEKWANG	5KVA	13/03/09	13/03/10	20060321-1
☐	DC Power Supply	HP	6622A	13/03/09	13/03/10	3448A03760
☐	DC Power Supply	HP	6633A	13/03/09	13/03/10	3524A06634
☐	BAND Reject Filter	Microwave Circuits	N0308372	06/10/08	06/10/09	3125-01DC0352
☐	BAND Reject Filter	Wainwright	WRCG1750	06/10/08	06/10/09	2
☐	High-Pass Filter	ANRITSU	MP526D	06/10/08	06/10/09	MP27756
☐	High-pass filter	Wainwright	WHKX2.1	N/A	N/A	1
☒	High-Pass Filter	Wainwright	WHKX3.0	N/A	N/A	9
☐	Tunable Notch Filter	Wainwright	WRCT800.0 /960.0-0.2/40-8SSK	N/A	N/A	10
☐	Tunable Notch Filter	Wainwright	WRCD1700.0 /2000.0-0.2/40-10SSK	N/A	N/A	27
☐	Tunable Notch Filter	Wainwright	WRCT1900.0 /2200.0-5/40-10SSK	N/A	N/A	7
☒	HORN ANT	ETS	3115	17/06/09	17/06/10	6419
☐	HORN ANT	ETS	3115	14/09/09	14/09/10	21097
☐	HORN ANT	A.H.Systems	SAS-574	10/06/09	10/06/10	154
☐	HORN ANT	A.H.Systems	SAS-574	10/06/09	10/06/10	155

	Type	Manufacturer	Model	Cal.Due.Date (dd/mm/yy)	Next.Due.Date (dd/mm/yy)	S/N
☐	Dipole Antenna	Schwarzbeck	VHA9103	25/11/08	25/11/09	2116
☐	Dipole Antenna	Schwarzbeck	VHA9103	25/11/08	25/11/09	2117
☐	Dipole Antenna	Schwarzbeck	UHA9105	25/11/08	25/11/09	2261
☐	Dipole Antenna	Schwarzbeck	UHA9105	25/11/08	25/11/09	2262
☐	LOOP ANTENNA	ETS	6502	13/10/08	13/10/09	3471
☐	Coaxial Fixed Attenuators	Agilent	8491B	02/07/09	02/07/10	MY39260700
☐	Coaxial Fixed Attenuators	Agilent	8491B	02/07/09	02/07/10	MY39260699
☐	Attenuator (10dB)	WEINSCHL	23-10-34	01/10/08	01/10/09	BP4386
☐	Attenuator (10dB)	WEINSCHL	23-10-34	19/01/09	19/01/10	BP4387
☐	Attenuator (20dB)	WEINSCHL	86-20-11	06/10/08	06/10/09	432
☐	Attenuator (10dB)	WEINSCHL	86-10-11	06/10/08	06/10/09	446
☐	Attenuator (10dB)	WEINSCHL	86-10-11	06/10/08	06/10/09	408
☐	Attenuator (40dB)	WEINSCHL	57-40-33	01/10/08	01/10/09	NN837
☐	Attenuator (30dB)	JFW	50FH-030-300	13/03/09	13/03/10	060320-1
☐	Type N Coaxial CIRCULATOR	NOVA MICROWAVE	0088CAN	02/07/09	02/07/10	788
☐	Type N Coaxial CIRCULATOR	NOVA MICROWAVE	0185CAN	02/07/09	02/07/10	790
☐	Type N Coaxial CIRCULATOR	NOVA MICROWAVE	0215CAN	02/07/09	02/07/10	112
☒	Amplifier (30dB)	Agilent	8449B	13/10/08	13/10/09	3008A01590
☐	Amplifier	EMPOWER	BBS3Q7ELU	02/02/09	02/02/10	1020
☐	RF Power Amplifier	OPHIRRF	5069F	02/07/09	02/07/10	1006
☒	EMI TEST RECEIVER	R&S	ESU	02/02/09	02/02/10	100014
☒	BILOG ANTENNA	SCHAFFNER	CBL6112D	30/09/08	30/09/09	22609
☒	Amplifier (22dB)	H.P	8447E	05/02/09	05/02/10	2945A02865
☐	EMI TEST RECEIVER	R&S	ESCI	12/05/09	12/05/10	100364
☐	LOG-PERIODIC ANT.	Schwarzbeck	UHLP9108A	30/05/09	30/05/10	590
☐	BICONICAL ANT.	Schwarzbeck	VHA 9103	02/06/09	02/06/10	2233
☐	LOG-PERIODIC ANT.	Schwarzbeck	UHLP 9108-A1	30/09/08	30/09/09	1098
☐	BICONICAL ANT.	Schwarzbeck	VHA 9103	30/09/08	30/09/09	91031946
☐	Low Noise Pre Amplifier	TSJ	MLA-100K01-B01-2	13/03/09	13/03/10	1252741
☐	Amplifier (25dB)	Agilent	8447D	12/05/09	12/05/10	2944A10144
☐	Amplifier (25dB)	Agilent	8447D	03/07/09	03/07/10	2648A04922
☐	Spectrum Analyzer(CE)	H.P	8591E	26/04/09	26/04/10	3649A05889
☐	LISN	Kyoritsu	KNW-407	03/07/09	03/07/10	8-317-8
☐	LISN	Kyoritsu	KNW-242	13/10/08	13/10/09	8-654-15
☐	CVCF	NF Electronic	4420	N/A	N/A	304935/337980
☐	DC BLOCK	Hyuplip	KEL-007	N/A	N/A	7-1581-5
☐	50 ohm Terminator	HME	CT-01	22/01/09	22/01/10	N/A
☐	RFI/FIELD Intensity Meter	Kyoritsu	KNM-2402	03/07/09	03/07/10	4N-170-3