APPLICATION FOR CERTIFICATION

On Behalf of

LG Electronics Inc.

Receiver

Model No.: W94-R

Brand: LG

FCC ID：BEJ9QK-W94R

Prepared for : LG Electronics Inc.
19-1, Cheongho-Ri, Jinwuy-Myun, Pyungtaek-City, Kyunggi-Do, 451-713 Korea

Prepared by : AUDIX Technology Corporation
EMC Department
No. 53-11, Tin-Fu Tsun, Lin-Kou,
Taipei, Taiwan

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File Number	：	EM972081A
Report Number	：	EM-F970777
Date of Test	：	Dec. 01 ~ 12, 2008
Date of Report	：	Dec. 12, 2008

TABLE OF CONTENTS

TEST REPORT CERTIFICATION

Applicant	:	LG Electronics Inc.
Manufacturer #1	:	LG Electronics Inc.
Manufacturer #2	:	LG Electronics (Huizhou) Inc. Huitai Factory
Manufacturer #3	:	SHEN ZHEN KWANG SUNG Electronics H.K. Co., Ltd.
Manufacturer #4	:	PT LG Electronics Indonesia (Factory 1)
EUT Description	:	Receiver
FCC ID	:	BEJ9QK-W94R
	(A) Model No.	: W94-R
	(B) Serial No.	: N/A
	(C) Brand	: LG
	(D) Power Supply	: AC 120V, 60Hz
	(E) Test Voltage	: AC 120V, 60Hz

Measurement Procedure Used:

FCC Public Notice DA 00-705 Released March 30, 2000
FCC RULES AND REGULATIONS PART 15 SUBPART C, July 2008
AND ANSI C63.4/2003

(Receiver Unit with FCC CFR 47 Part 15B, §15.107 and §15.109)
(Transmitter Unit with FCC CFR 47 Part 15C, §15.207 and §15.209 and §15.247)

The device described above was tested by AUDIX Technology Corporation to determine the maximum emission levels emanating from the device. The maximum emission levels were compared to the FCC Part 15 subpart B and C limits.

The measurement results are contained in this test report and AUDIX Technology Corporation is assumed full responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT to be technically compliant with the FCC official limits.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of AUDIX Technology Corporation.

Date of Report: Dec. 01 ~ 12, 2008 Date of Report: Dec. 12, 2008

Producer : _____
(Cherry Wang/Deputy Manager)

Preview : _____
(Ben Cheng/Manager)

Signatory : _____
(Leon Liu/Deputy General Manager)

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

Description	:	Receiver
Model Number	:	W94-R (The EUT is a receiver unit, the RF Module have transmit and receive functions.)
FCC ID	:	BEJ9QK-W94R
Brand Name	:	LG
Applicant	:	LG Electronics Inc. 19-1, Cheongho-Ri, Jinwuy-Myun, Pyungtaek-City, Kyunggi-Do, 451-713 Korea
Manufacturer #1	:	LG Electronics Inc. 19-1, Cheongho-Ri, Jinwuy-Myun, Pyungtaek-City, Kyunggi-Do, 451-713 Korea
Manufacturer #2	:	LG Electronics (Huizhou) Inc. Huitai Factory No. 1 Xingda Road, Huitai Industrial Park of Zhongkai Development Zone, Huizhou City, Guangdong, China
Manufacturer #3	:	SHEN ZHEN KWANG SUNG Electronics H.K. Co., Ltd. Shi Tou Shan Industrial Zone, Zhuan Chang Village, Shiyan Town, Baoan District, Shenzhen City, GuangDong Province, China
Manufacturer #4	:	PT LG Electronics Indonesia (Factory 1) Block G - MM 2100 Industrial Town Cikarang Barat _ Bekasi 17520, west Java Indonesia
TX/RX Module	:	Eleven Engineering Incorporatec, M/N WHAM2-D2
Fundamental Range	:	2400MHz ~ 2483.5MHz
Channel Number	:	20

Radio Technology	:	FHSS Modulation
Antenna Gain	:	0.94dBi
Power Cord	:	Non-Shielded, Undetachable, 1.8m (2 Pin)
Date of Receipt of Sample	:	Dec. 01, 2008
Date of Test	:	Dec. 01 ~ 12, 2008

List of Interface Ports of EUT：
Back View One Set Speaker Ports (+L/R, -L/R)

1.2. Tested Supporting System Details

1.2.1. LCD TV

Model Number	:	VIZIO VX20L HDTV
Serial Number	:	LSAAAAG4719229
FCC ID	:	By DoC
Brand	:	VIZIO
Component Cable	:	Non-Shielded, Detachable, 1.8m
Video Cable	:	Non-Shielded, Detachable, 1.8m
HDMI Cable	:	Shielded, Detachable, 1.8m
S-Video Cable	:	Non-Shielded, Detachable, 1.8m
Power Cable	:	Non-Shielded, Detachable, 1.8m

1.2.2. MINIDISC DECK

Model Number	:	MDS-S39
Serial Number	:	3357518
FCC ID	:	By DoC
Manufacturer	:	SONY
Optical Cable	:	Non-Shielded, Detachable, 1.8m
Power Cable	:	Non-Shielded, Undetachable, 2.0m

1.2.3. HDD/DVD RECORDER

Model Number	:	DVR-550H-S
Serial Number	:	HBDL003262T
BSMI ID	:	R31271-ETC
Brand	:	Pioneer
HDMI Cable	:	Shielded, Detachable, 1.8m
Audio Cable	:	Non-Shielded, Detachable, 1.8m
Power Cable	:	Non-Shielded, Detachable, 1.5m

1.2.4. I-POD #1

Model Number	:	A1204
Serial Number	:	4H722TA0VTE
FCC ID	:	By DoC
BSMI ID	:	R33057
Manufacturer	:	APPLE (Brand: APPLE)
USB Cable	:	Shielded, Undetachable, 1.0m

1.2.5. I-POD #2

Model Number	:	A1099
Serial Number	:	JO5326ZSAZ
FCC ID	:	By DoC
BSMI ID	:	R33057
Manufacturer	:	APPLE (Brand: APPLE)

1.2.6. WALKMAN

Model Number	:	RQ-P35LT-K
Serial Number	:	HA08473
Manufacturer	:	PANASONIC
Audio Cable	:	Non-Shielded, Detachable, 1.8m

1.2.7. MICROPHONE #1

Model Number	:	DM-510
Serial Number	:	N/A
Manufacturer	:	KOKA
Data Cable	:	Non-Shielded, Undetachable, 2.8m

1.2.8. MICROPHONE #2

Model Number	:	DM-818
Serial Number	:	N/A
Manufacturer	:	TENLUX
Data Cable	:	Non-Shielded, Detachable;2.2m

1.2.9. WIRELESS DVD ECEIVER

Model Number	:	HW904PA
Serial Number	:	N/A
FCC ID	:	BEJ9QK-HW904PA
Manufacturer	:	LG
Power Cord	:	Non-Shielded, Undetachable, 1.8m (2 Pin)

1.2.10. SPEAKER #1

Model Number	:	LHS-761AS
Serial Number	:	3850RMM681C
Manufacturer	:	LG
Impedance	:	4Ω
Max. Power	:	200W
Speaker Cable	:	Non-Shielded, Detachable, 4.0m

1.2.11. SPEAKER #2

Model Number	:	LHS-761AS
Serial Number	:	3850RMM681C
Manufacturer	:	LG
Impedance	:	4Ω
Max. Power	:	200W
Speaker Cable	:	Non-Shielded, Detachable, 4.0m

1.2.12. SPEAKER #3 (LINK TO EUT)

Model Number	:	LHS-761AS
Serial Number	:	3850RMM681C
Manufacturer	:	LG
Impedance	:	4Ω
Max. Power	:	200W
Speaker Cable	:	Non-Shielded, Detachable, 4.0m Add a ferrite core with speaker cable #4

1.2.13. SPEAKER #4 (LINK TO EUT)

Model Number	:	LHS-761AS
Serial Number	:	3850RMM681C
Manufacturer	:	LG
Impedance	:	4Ω
Max. Power	:	200W
Speaker Cable	:	Non-Shielded, Detachable, 4.0m

1.2.14. SPEAKER #5

Model Number	:	LHS-761AC
Serial Number	:	3850RMM680C
Manufacturer	:	LG
Impedance	:	4Ω
Max. Power	:	200W
Speaker Cable	:	Non-Shielded, Detachable, 4.0m

1.2.15. SPEAKER #6

Model Number	:	LHS-T6540W
Serial Number	:	N/A
Manufacturer	:	LG
Impedance	:	4Ω
Max. Power	:	240W
Speaker Cable	:	Non-Shielded, Detachable, 4.0m

1.2.16. SCART CONNECTOR

S-Video Cable	:	Non-Shielded, Detachable,1.8m

1.2.17. FM ANTENNA CABLE

FM Antenna Cable	:	Non-Shielded, Detachable, 1.5m

1.2.18. AM ANTENNA CABLE

AM Antenna Cable	:	Non-Shielded, Detachable, 1.5m

1.3. Description of Test Facility

Name of Firm	:	**AUDIX Technology Corporation** **EMC Department** No. 53-11, Tin-Fu Tsun, Lin-Kou Hsiang, Taipei Hsien, Taiwan
Test Location & Facility (C2/R5/Semi-AC)	:	**No. 2 Shielded Room** No. 67-4, Tin-Fu Tsun, Lin-Kou Hsiang, Taipei Hsien, Taiwan **No. 5 Open Area Test Site** No. 67-7, Tin-Fu Tsun, Lin-Kou Hsiang, Taipei Hsien, Taiwan Federal Communication Commission Registration Number: 90992 Filing on July 31, 2007 **Semi-Anechoic Chamber** No. 53-11, Tin-Fu Tsun, Lin-Kou Hsiang, Taipei Hsien, Taiwan Federal Communication Commission Registration Number: 90993 Filing on May 19, 2006
NVLAP Lab. Code	:	200077-0

(NVLAP is a NATA accredited body under Mutual Recognition Agreement)

1.4. Measurement Uncertainty

Test Item	Frequency Range	Uncertainty (dB)
Conduction Test	150kHz~30MHz	±1.73dB
Radiation Test (Distance: 10m)	30MHz~300MHz	±2.99dB
	300MHz~1000MHz	±2.73dB
Radiation Test (Distance: 3m)	30MHz~300MHz	±2.91dB
	300MHz~1000MHz	±2.94dB
	Above 1GHz	± 5.02dB

Remark **:** Uncertainty = $ku_c(y)$

Test Item	Uncertainty
20dB Bandwidth	± 0.2kHz
Carrier Frequency Separation	± 0.2kHz
Time Of Occupancy	± 0.03sec
Maximum peak Output power	± 0.52dBm
Emission Limitations	± 0.13dB
Band Edges	± 0.13dB

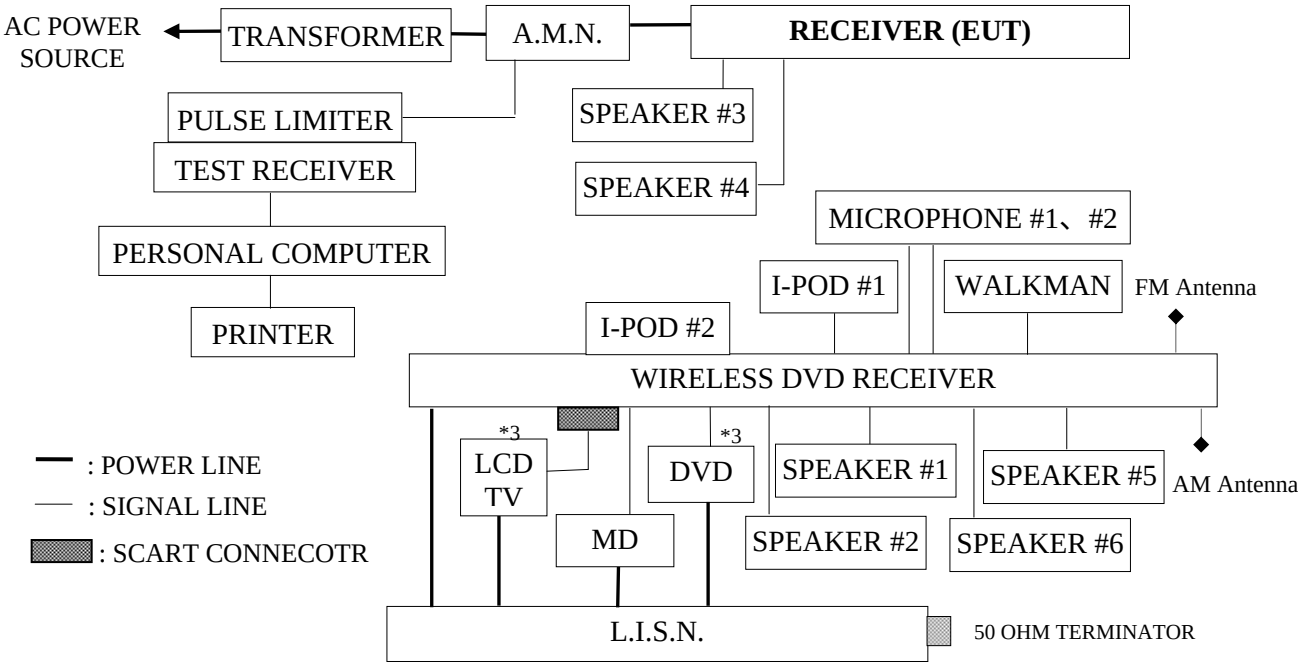
2. CONDUCTED EMISSION MEASUREMET

2.1. Test Equipment

The following test equipment were used during the conducted measurement:
(No. 2 Shielded Room)

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Test Receiver	R & S	ESCS30	100339	Mar. 21, 08’	Mar. 20, 09’
2.	A.M.N.	R & S	ESH2-Z5	890485/023	Jan. 24, 08’	Jan. 23, 09’
3.	L.I.S.N.	Kyoritsu	KNW-407	8-855-9	Mar. 24, 08’	Mar. 23, 09’
4.	Pulse Limiter	R & S	ESH3-Z2	001	Feb. 22, 08’	Feb. 21, 09’

2.2. Block Diagram of Test Setup



2.3. Powerline Conducted Emission Limit

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level	Average Level
150kHz ~ 500kHz	66 ~ 56 dBμV	56 ~ 46 dBμV
500kHz ~ 5MHz	56 dBμV	46 dBμV
5MHz ~ 30MHz	60 dBμV	50 dBμV

Remark1.: If the average limit is met when using a Quasi-Peak detector, the EUT shall be deemed to meet both limits and measurement with the average detector is unnecessary.
2.: The lower limit applies at the band edges.

2.4. Operating Condition of EUT

2.4.1. Set up the EUT (Receiver) and simulator as shown on 3.2.

2.4.2. To turn on the power of all equipment.

2.4.3. The Wireless DVD Receiver was playing DVD-Disk and sent the “Color Bar” image to the LCD TV via HDMI Input of DVD Receiver and sending sound to speakers through DVD Receiver’s speakers ports during all testing.

2.4.4. The Receiver was receiving sound signal from transmitter and sending to speakers during all testing.

2.4.5. The other peripheral devices were driven and operated in turn during all testing.

2.5. Test Procedure

The EUT was put on table which was above the ground by 80cm and it’s power adapter connected to the power mains through a line impedance stabilization network (L.I.S.N. #1) and the other peripheral devices power cord were connected to the power mains through a line impedance stabilization network (L.I.S.N. #2) This provided a 50 ohm coupling impedance for the measuring equipment. (Please refer to the block diagram of the test setup and photographs.) Both sides of A.C. line were checked for maximum conducted interference. In order to find the maximum emission, the relative positions simulators of the interface cables should be manipulated according to FCC ANSI C63.4 and FCC Public Notice DA 00-705 during conducted measurement.

The bandwidth of the R&S Test Receiver ESCS30 was set at 9kHz.

The frequency range from 150kHz to 30MHz was checked.

All the final readings from Test Receiver were measured with the Quasi-Peak detector and Average detector. (Remark: If the Average limit is met when using a Quasi-Peak detector, the Average detector is unnecessary)

2.6. Conducted Emission Measurement Results

PASSED.
(All the emissions not reported below are too low against the prescribed limits.)

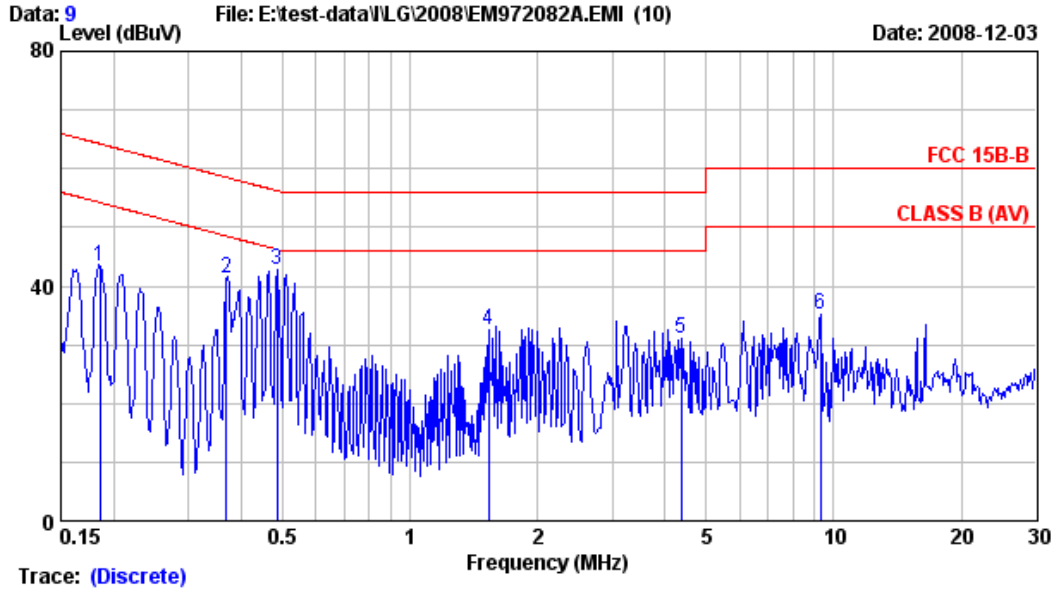
The EUT was performed during this section testing and all the test results are attached in next pages.

EUT：Receiver M/N：W94-R

Test Date：Dec. 03, 2008 Temperature：27℃ Humidity：63%

Reference Test Data No.: Neutral: # 9 ; Line: # 10

AUDIX TECHNOLOGY Corp. EMC Laboratory
No.53-11, Tin-fu Tsun, Lin-kou Hsiang, Taipei
County, Taiwan R.O.C. Post Code:24443
Tel:02-26092133 Fax:02-26099303
Email:ttemc@ttemc.com.tw




```
Site          : No.2 Shielded room          Data     : 9
Condition     : ESH2-Z5                     Phase    : NEUTRAL
Limit         : FCC 15B-B
Env. / Ins.   : 27*C,63% / ESCS 30          Engineer: Albert_Liang
EUT           :     Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : OPERATING
```

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV)	Limits (dBµV)	Margin (dB)	Remark
1	0.185	0.10	0.25	43.13	43.48	64.24	20.76	QP
2	0.369	0.10	0.31	40.83	41.24	58.52	17.28	QP
3	0.486	0.12	0.34	42.33	42.79	56.23	13.44	QP
4	1.535	0.20	0.40	32.06	32.66	56.00	23.34	QP
5	4.361	0.21	0.43	30.49	31.13	56.00	24.87	QP
6	9.302	0.29	0.68	34.29	35.26	60.00	24.74	QP

```
Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
         2.If the average limit is met when using a quasi-peak detector
           ,the EUT shall be deemed to meet both limits and measurement
           with average detector is unnecessary.
```

AUDIX TECHNOLOGY Corp. EMC Laboratory
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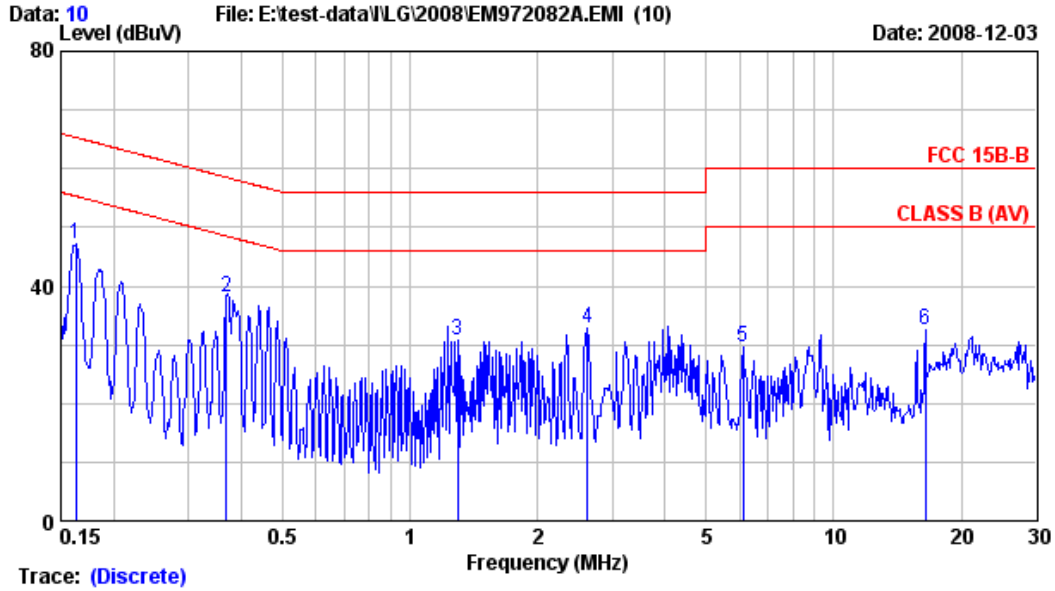



```
Site          : No.2 Shielded room          Data     : 10
Condition     : ESH2-Z5                     Phase    : LINE
Limit         : FCC 15B-B
Env. / Ins.   : 27*C,63% / ESCS 30          Engineer: Albert_Liang
EUT           :     Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : OPERATING
```

	Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Emission Reading (dBµV)	Emission Level (dBµV)	Limits (dBµV)	Margin (dB)	Remark
1	0.162	0.10	0.24	46.71	47.05	65.34	18.29	QP
2	0.369	0.10	0.31	37.81	38.22	58.52	20.30	QP
3	1.296	0.20	0.40	30.24	30.84	56.00	25.16	QP
4	2.622	0.20	0.40	32.08	32.68	56.00	23.32	QP
5	6.121	0.25	0.54	28.79	29.57	60.00	30.43	QP
6	16.486	0.49	0.70	31.28	32.48	60.00	27.52	QP

```
Remarks: 1.Emission Level= LISN Factor + Cable Loss + Reading.
         2.If the average limit is met when using a quasi-peak detector
           ,the EUT shall be deemed to meet both limits and measurement
           with average detector is unnecessary.
```

3. RADIATED EMISSION MEASUREMENT

3.1. Test Equipment

The following test equipment was used during the radiated emission measurement:

3.1.1. For Frequency 30MHz~1000MHz (at No. 5 Open Area Test Site)-For System mode Use only

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	HP	8595E	3829A03489	Aug. 10, 08’	Aug. 09, 09’
2.	Test Receiver	R & S	ESCI	100555	May 20, 08’	May 19, 09’
3.	Amplifier	HP	8447D	2944A07185	N/A	N/A
4.	Biconical Antenna	CHASE	VBA6106A	1262	Apr. 10, 08’	Apr. 09, 09’
5.	Log Periodic Antenna	Chase	UPA6109	1061	Apr. 10, 08’	Apr. 09, 09’

3.1.2. For Frequency 30MHz~1000MHz (at Semi-Anechoic Chamber)-For Transmitting and Receiving modes Use only

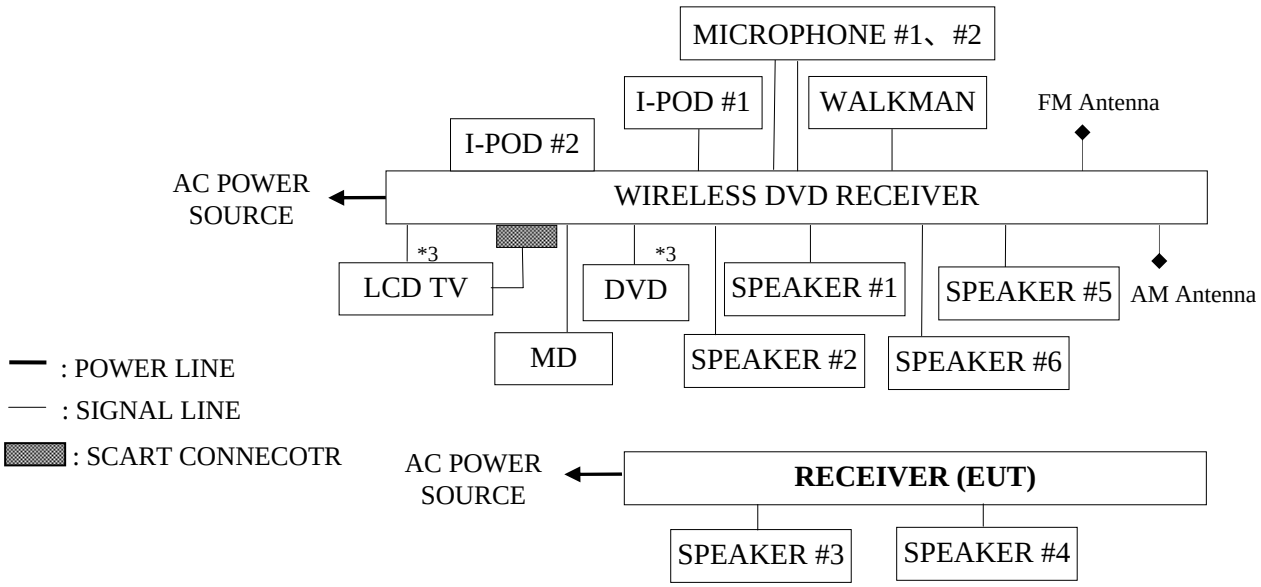
Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	HP	8593EM	3826A00272	Jul. 03, 08’	Jul. 02, 09’
2.	Test Receiver	R & S	ESCS30	100265	Aug. 28, 08’	Aug. 27, 09’
3.	Pre-Amplifier	HP	8447D	2944A06305	Feb. 19, 08’	Feb. 18, 09’
4.	Biconical Antenna	CHASE	VBA6106A	1264	Apr. 10, 08’	Apr. 09, 09’
5.	Log Periodic Antenna	Schwarzbeck	UHALP9108-A	0139	Apr. 10, 08’	Apr. 09, 09’

3.1.3. For Frequency Above 1GHz (at Semi-Anechoic Chamber) -For Transmitting and Receiving modes Use only

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	Agilent	8593EM	3826A00272	Jul. 03, 08’	Jul. 02, 09’
2.	Amplifier	HP	8449B	3008A00529	Jan. 09, 08’	Jan. 08, 09’
3.	2.4GHz Notch Filter	EWT	EWT-14-0070	G2	Dec. 07, 07’	Dec. 06, 08’
4.	Horn Antenna	EMCO	3115	9112-3775	May 20, 08’	May 19, 09’
5.	Horn Antenna	EMCO	3116	2653	Oct. 03, 08’	Oct. 02, 09’

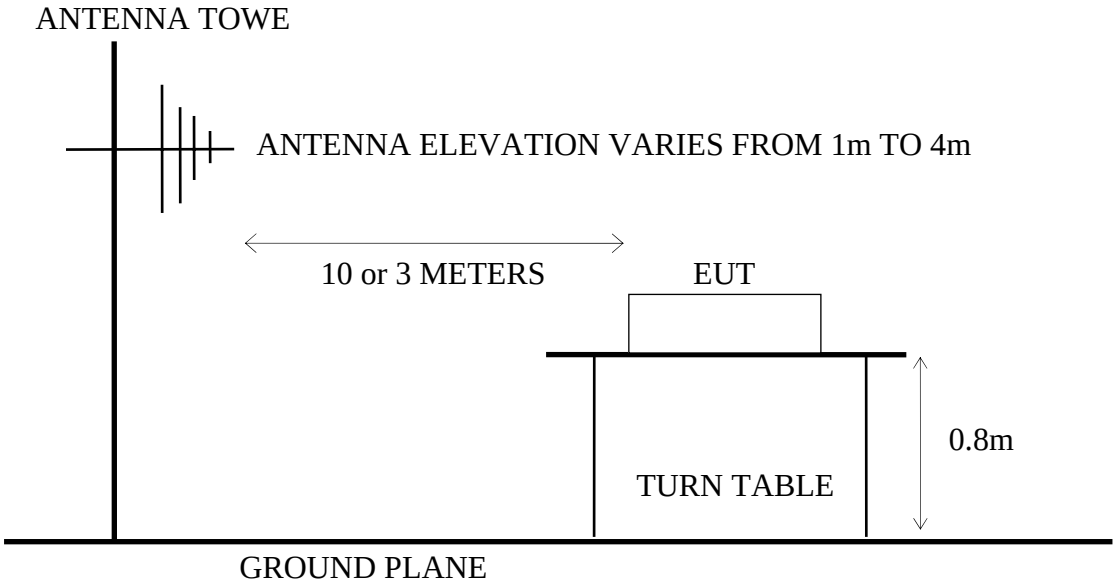
3.2. Test Setup

3.2.1. For System mode

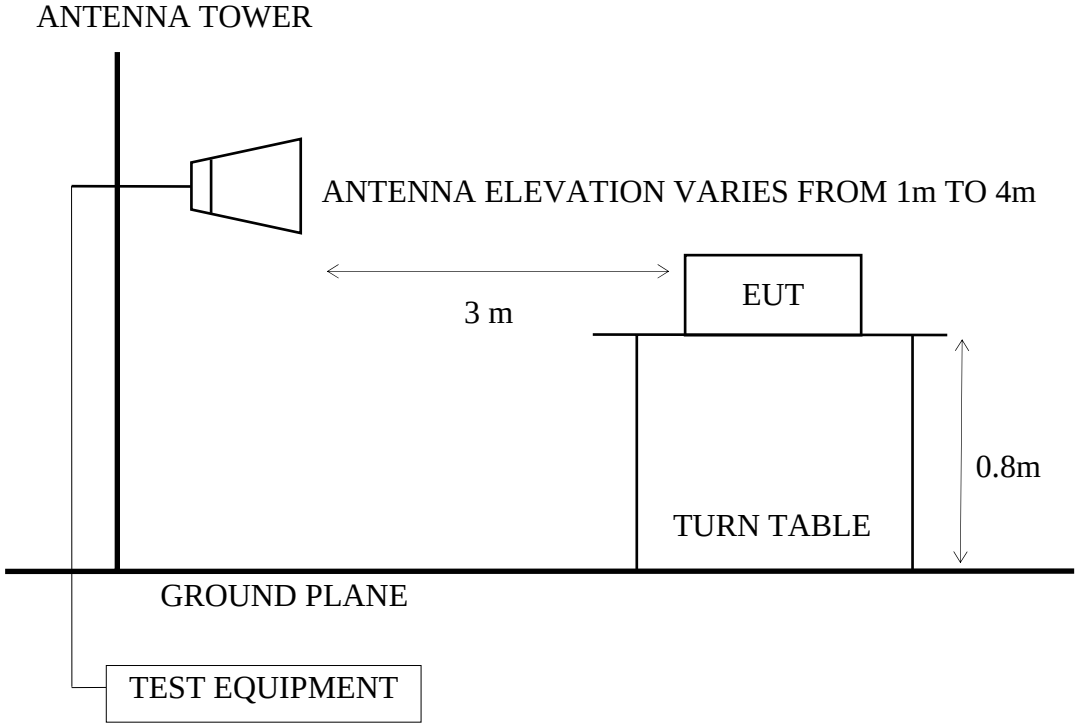


3.2.2. For Transmitting and Receiving modes

3.2.3. Open Area Test Site (10m) or Semi-Anechoic Chamber (3m) Setup Diagram for 30-1000MHz



3.2.4. Semi-Anechoic Chamber (3m) Setup Diagram for above 1GHz



3.3. Radiated Emission Limits

3.3.1. §15.109/CISPR 22, Class B Radiated Emission Limits

FREQUENCY (MHz)	DISTANCE (Meters)	FIELD STRENGTHS LIMITS (dBμV/m)
30 ~ 230	10	30
230 ~ 1000	10	37

Note： (1) The tighter limit applies at the edge between two frequency bands.
(2) Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the E.U.T.

3.3.2. §15.209/§15.109 Class B Radiated Emission Limits

Frequency MHz	Distance Meters	Field Strengths Limits	
		μV/m	dBμV/m
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
Above 960	3	500	54.0
Above 1000	3	74.0 dBμV/m (Peak) 54.0 dBμV/m (Average)	

Remark： (1) Emission level (dBμV/m) = 20 log Emission level (μV/m)
(2) The tighter limit applies at the edge between two frequency bands.
(3) Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.
(4) The limits in this table are based on CFR 47 Part 15.205(a)(b) and Part 15.209 (a).
(5) The over 1GHz limit, FCC limit is used based on CFR 47 Part 15.35 (b) and Part 15.205(b) & Part 15.209(e) and Part 15.207(c).

3.4. Operating Condition of EUT

Test Mode: System

3.4.1. Set up the EUT (Receiver) and simulator as shown on 3.2.1.

3.4.2. To turn on the power of all equipment.

3.4.3. The Wireless DVD Receiver was playing DVD-Disk and sent the "Color Bar" image to the LCD TV via HDMI Input of DVD Receiver and sending sound to speakers through DVD Receiver's speakers ports during all testing.

3.4.4. The Receiver was receiving sound signal from transmitter and sending to speakers during all testing.

3.4.5. The other peripheral devices were driven and operated in turn during all testing.

Test Mode: Transmitter & Receiver

3.4.6. Set up the EUT (Receiver) and simulator as shown on 3.2.2

3.4.7. To turn on the power of all equipment.

3.4.8. The EUT (Receiver) was operated on normal function (transmitting and receiving) during all testing.

3.5. Test Procedure

The EUT and its simulators were placed on a turn table which was 0.8 meter above the ground. The turn table rotated 360 degrees to determine the position of the maximum emission level. For 30MHz to 1000MHz frequency ranges, EUT was set 3 or 10 meters and for above 1GHz frequency ranges, EUT was set at 3 meters away from the receiving antenna which was mounted on an antenna tower. The antenna moved up and down between 1 to 4 meters to find out the maximum emission level. Broadband antennas (bilog antenna or broadband and log periodical or horn antenna) were used as a receiving antenna. Both horizontal and vertical polarization of the antenna were set on measurement. In order to find the maximum emission, all of the interface cables were manipulated according to FCC ANSI C63.4 and FCC Public Notice DA 00-705 regulation.

The bandwidth of the R&S Test Receiver ESCS30 was set at 120kHz. (For 30MHz to 1000MHz)

The resolution bandwidth and video bandwidth of test spectrum analyzer is 1MHz for peak detection (PK) at frequency above 1GHz.
The resolution bandwidth of test spectrum analyzer is 1MHz and the video bandwidth is 10Hz for average detection (AV) at frequency above 1GHz.

The frequency range from 30MHz to 25GHz (Up to 10^{th} harmonics from fundamental frequency) was checked.

3.6. Radiated Emission Measurement Results

PASSED. All the emissions not reported below are too low against the official limits.

EUT：Receiver M/N：W94-R

Test Date：Dec. 12, 2008 Temperature：23℃ Humidity：61%
Test Date：Dec. 01, 2008 Temperature：22℃ Humidity：48%

For Frequency Range 30MHz~1000MHz:

The EUT with following test modes were performed during this section testing and all the test results are listed in section 3.6.1.

No.	Test Unit	Test Mode and Frequency		Reference Test Data No.	
				Horizontal	Vertical
1.	System	DVD Play		# 2	# 1
2.	Transmitter	Transmitting	2403.328MHz (CH0)	# 11	# 12
3.			2442.240MHz (CH19)	# 12	# 11
4.			2479.104MHz (CH37)	# 11	# 12
5.	Receiver	Receiving	2442.240MHz (CH19)	# 10	# 9

For Frequency above 1GHz:

The EUT with following test modes was performed during this section testing and all the test results are listed in section 3.6.2.

No.	Test Mode and Frequency		Reference Test Data No.	
			Horizontal	Vertical
1.	Transmitting	2403.328MHz (CH0)	# 6, 7, 2, 3, 9 # 16, 17, 14	# 5, 8, 1, 4, 10 # 15, 18, 13
2.		2442.240MHz (CH19)	# 2, 3, 6, 7, 9 # 14, 15, 18	# 1, 4, 5, 8, 10 # 13, 16, 17
3.		2479.104MHz (CH37)	# 6, 7, 2, 3, 10 # 16, 17, 14	# 5, 8, 1, 4, 9 # 15, 18, 13
4.	Receiving	2442.240MHz (CH19)	# 6, 5, 4, 7	# 1, 2, 3, 8

The average measurement of frequency range from 5500MHz to 25000MHz is measured at 1m distance and doesn't find any spurious emission in this frequency range. So just provide the peak measurement results.

For Restricted Bands:

The EUT was tested in restricted bands and all the test results are listed in section 3.6.3. (The restricted bands defined in part 15.205(a))

No.	Test Mode and Frequency		Reference Test Data No.	
			Horizontal	Vertical
1.	Transmitting	2403.328MHz (CH0)	# 1, 4	# 2 , 3
2.		2479.104MHz (CH37)	# 6, 7	# 5, 8

3.6.1.30MHz~ 1000MHz Frequency Range Measurement Result

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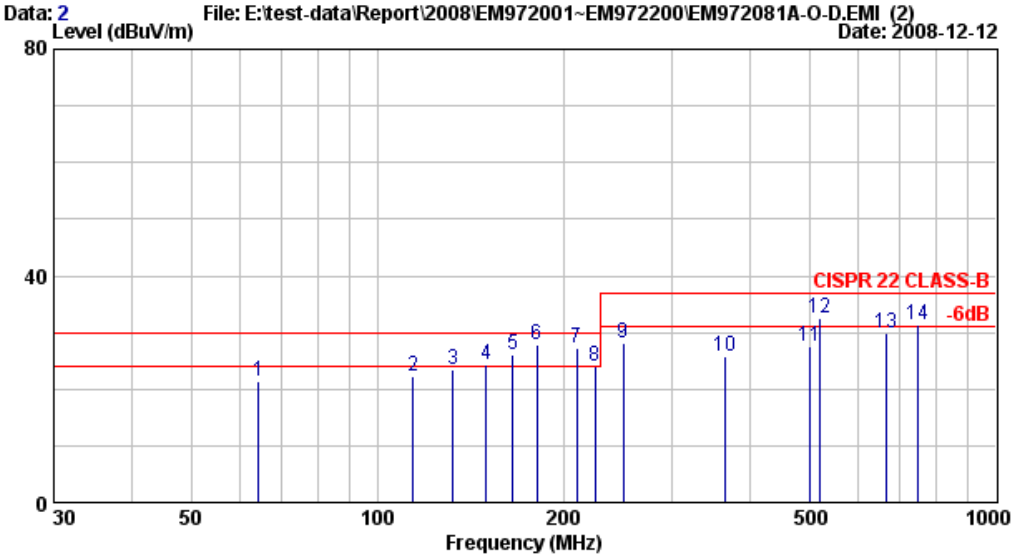

Site no. : NO.5 OPEN SITE Data no. : 2
Dis. / Ant. : 10m VBA6106A/UPA6109(08) Ant. pol. : HORIZONTAL
Limit : CISPR 22 CLASS-B
Env. / Ins. : 23*C/61% ESCI(555) Engineer : TIM
EUT : Receiver M/N:W94-R
Power Rating : 120Vac / 60Hz
Test Mode :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	64.360	11.81	1.27	8.36	21.44	30.00	8.56	
2	114.360	18.40	1.54	2.36	22.30	30.00	7.70	
3	132.360	19.50	1.68	2.36	23.54	30.00	6.46	
4	150.020	20.09	1.81	2.36	24.26	30.00	5.74	
5	165.668	20.69	1.91	3.54	26.14	30.00	3.86	
6	181.220	21.37	2.00	4.36	27.72	30.00	2.28	*
7	210.011	21.73	2.19	3.37	27.29	30.00	2.71	
8	225.011	21.99	2.33	-0.34	23.99	30.00	6.01	
9	250.011	22.30	2.54	3.34	28.18	37.00	8.82	
10	365.360	14.73	3.17	8.00	25.90	37.00	11.10	
11	500.016	17.20	3.70	6.50	27.40	37.00	9.60	
12	519.998	17.69	3.75	11.00	32.44	37.00	4.56	
13	665.250	20.39	4.04	5.36	29.79	37.00	7.21	
14	749.996	21.55	4.28	5.58	31.40	37.00	5.60	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

3. The worst emission was detected at 181.220MHz with corrected signal level of 27.72dBµV/m (limit is 30.0dBµV/m) when the antenna was at horizontal polarization and was at 4m high and the turn table was at 290°.

4. 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

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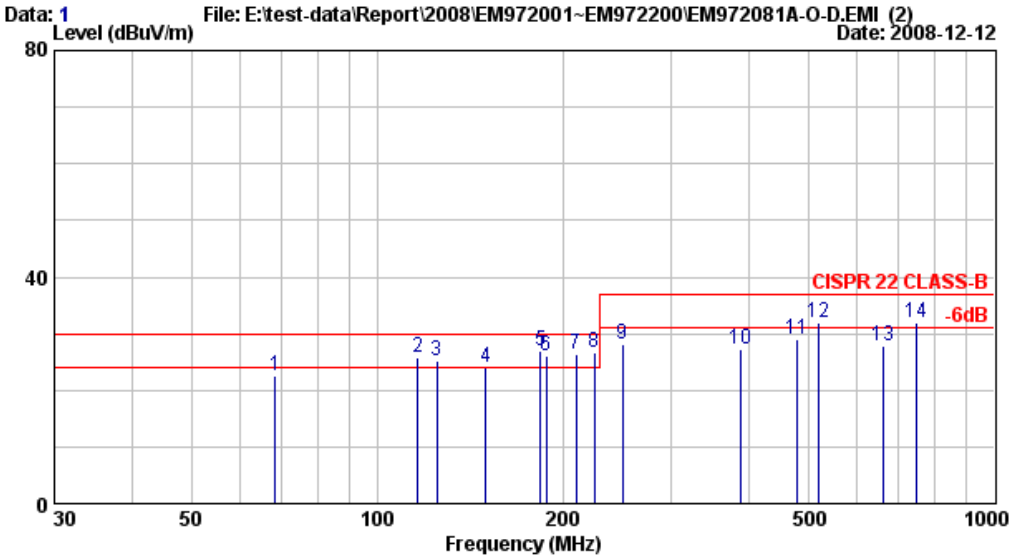

Site no. : NO.5 OPEN SITE Data no. : 1
Dis. / Ant. : 10m VBA6106A/UPA6109(08) Ant. pol. : VERTICAL
Limit : CISPR 22 CLASS-B
Env. / Ins. : 23*C/61% ESCI(555) Engineer : TIM
EUT : Receiver M/N:W94-R
Power Rating : 120Vac / 60Hz
Test Mode :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	68.330	12.09	1.29	9.26	22.63	30.00	7.37	
2	116.360	18.50	1.55	5.66	25.71	30.00	4.29	
3	125.011	19.04	1.62	4.63	25.30	30.00	4.70	
4	150.014	20.09	1.81	2.03	23.92	30.00	6.08	
5	184.126	21.51	2.02	3.58	27.11	30.00	2.89	*
6	188.220	21.51	2.04	2.54	26.08	30.00	3.92	
7	210.011	21.73	2.19	2.37	26.29	30.00	3.71	
8	224.998	21.99	2.33	2.25	26.58	30.00	3.42	
9	250.010	22.30	2.54	3.37	28.21	37.00	8.79	
10	387.250	15.44	3.25	8.45	27.14	37.00	9.86	
11	478.300	17.16	3.62	8.36	29.14	37.00	7.86	
12	520.011	17.69	3.75	10.36	31.79	37.00	5.21	
13	660.360	20.36	4.03	3.36	27.75	37.00	9.25	
14	750.010	21.55	4.28	6.03	31.85	37.00	5.15	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

3. The worst emission was detected at 184.126MHz with corrected signal level of 27.11dBµV/m (limit is 30.0dBµV/m) when the antenna was at vertical polarization and was at 1m high and the turn table was at 90°.

4. 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.

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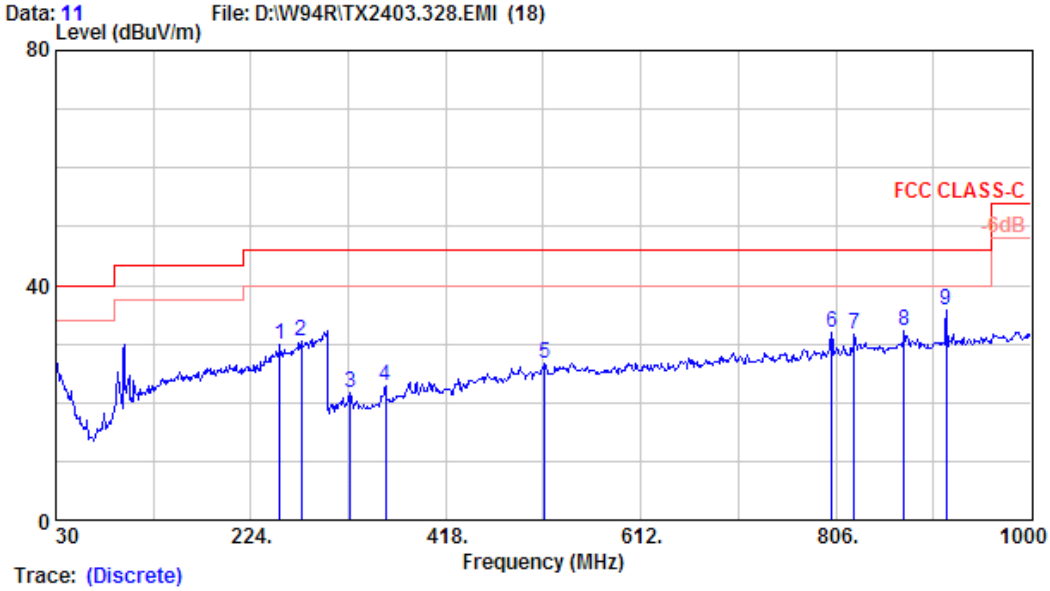


```
Site no.      : A/C Chamber                    Data no.   : 11
Dis. / Ant.   : 3m   VBA6106A/UHALP9108A       Ant. pol.  : HORIZONTAL
Limit         : FCC CLASS-C
Env. / Ins.   : 8564EC 22*C/48%                Engineer   : Jarwei Wang
EUT           : Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : TX2403.328MHz
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	253.100	24.05	3.60	2.27	29.93	46.00	16.07	
2	274.440	25.19	3.70	1.70	30.59	46.00	15.41	
3	322.940	15.08	4.15	2.44	21.67	46.00	24.33	
4	357.860	15.90	4.40	2.59	22.88	46.00	23.12	
5	515.970	19.98	6.80	-0.01	26.77	46.00	19.23	
6	802.120	24.17	6.90	0.84	31.90	46.00	14.10	
7	824.430	24.16	7.00	0.41	31.56	46.00	14.44	
8	873.900	25.37	7.30	-0.34	32.33	46.00	13.67	
9	915.610	24.90	7.40	3.47	35.77	46.00	10.23	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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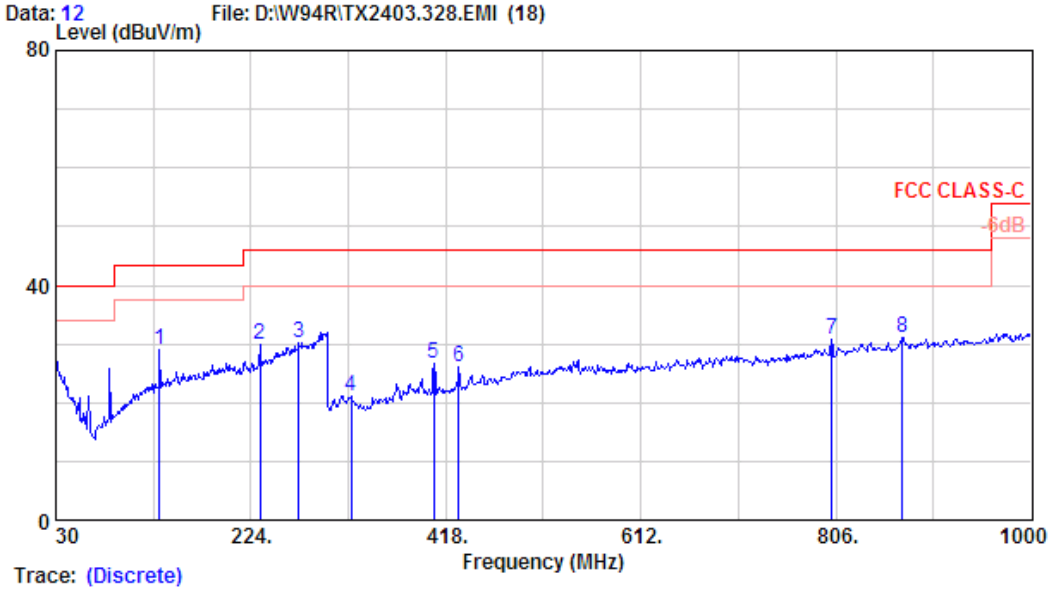


```
Site no.      : A/C Chamber                    Data no.   : 12
Dis. / Ant.   : 3m   VBA6106A/UHALP9108A       Ant. pol.  : VERTICAL
Limit         : FCC CLASS-C
Env. / Ins.   : 8564EC 22*C/48%                Engineer   : Jarwei Wang
EUT           : Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : TX2403.328MHz
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	132.820	19.87	2.40	6.63	28.89	43.50	14.61	
2	232.730	22.36	3.30	4.21	29.88	46.00	16.12	
3	271.530	25.06	3.70	1.30	30.06	46.00	15.94	
4	323.910	15.10	4.14	1.85	21.09	46.00	24.91	
5	406.360	17.35	4.90	4.54	26.78	46.00	19.22	
6	430.610	17.26	5.20	3.65	26.11	46.00	19.89	
7	802.120	24.17	6.90	-0.15	30.91	46.00	15.09	
8	871.960	25.52	7.20	-1.61	31.11	46.00	14.89	

```
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
         2. The emission levels that are 20dB below the official
            limit are not reported.
```

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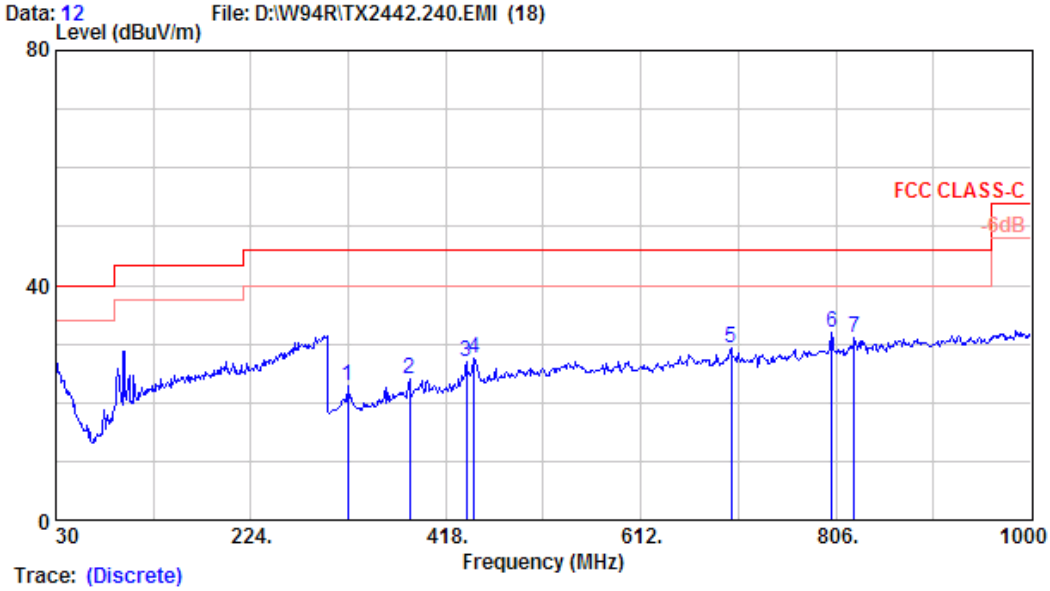


```
Site no.      : A/C Chamber                    Data no.   : 12
Dis. / Ant.   : 3m   VBA6106A/UHALP9108A       Ant. pol.  : HORIZONTAL
Limit         : FCC CLASS-C
Env. / Ins.   : 8564EC 22*C/48%                Engineer   : Jarwei Wang
EUT           : Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : TX2442.240MHz
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	320.030	14.99	4.20	3.65	22.84	46.00	23.16	
2	382.110	17.29	4.60	2.14	24.03	46.00	21.97	
3	438.370	17.53	5.30	4.15	26.99	46.00	19.01	
4	446.130	17.59	5.40	4.49	27.48	46.00	18.52	
5	702.210	23.53	6.50	-0.73	29.30	46.00	16.70	
6	802.120	24.17	6.90	0.75	31.81	46.00	14.19	
7	824.430	24.16	7.00	-0.23	30.92	46.00	15.08	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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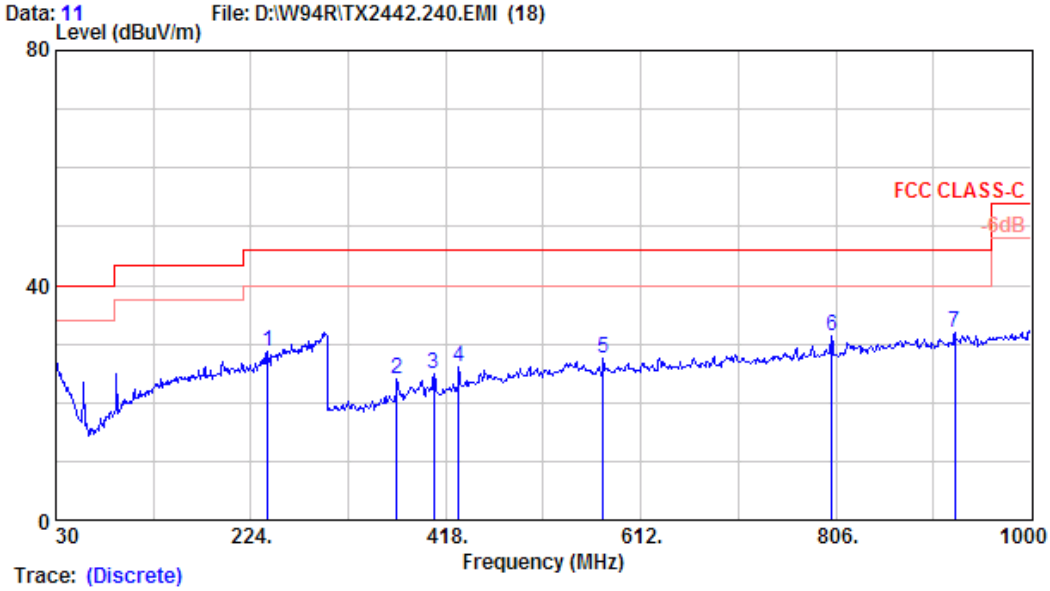


```
Site no.      : A/C Chamber                    Data no.   : 11
Dis. / Ant.   : 3m   VBA6106A/UHALP9108A       Ant. pol.  : VERTICAL
Limit         : FCC CLASS-C
Env. / Ins.   : 8564EC 22*C/48%                Engineer   : Jarwei Wang
EUT           : Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : TX2442.240MHz
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	240.490	23.10	3.40	2.11	28.61	46.00	17.39	
2	369.500	16.93	4.60	2.48	24.01	46.00	21.99	
3	406.360	17.35	4.90	2.69	24.93	46.00	21.07	
4	430.610	17.26	5.20	3.56	26.02	46.00	19.98	
5	574.170	21.10	6.44	-0.08	27.45	46.00	18.55	
6	802.120	24.17	6.90	0.29	31.35	46.00	14.65	
7	924.340	24.48	7.40	-0.04	31.84	46.00	14.16	

```
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
         2. The emission levels that are 20dB below the official
            limit are not reported.
```

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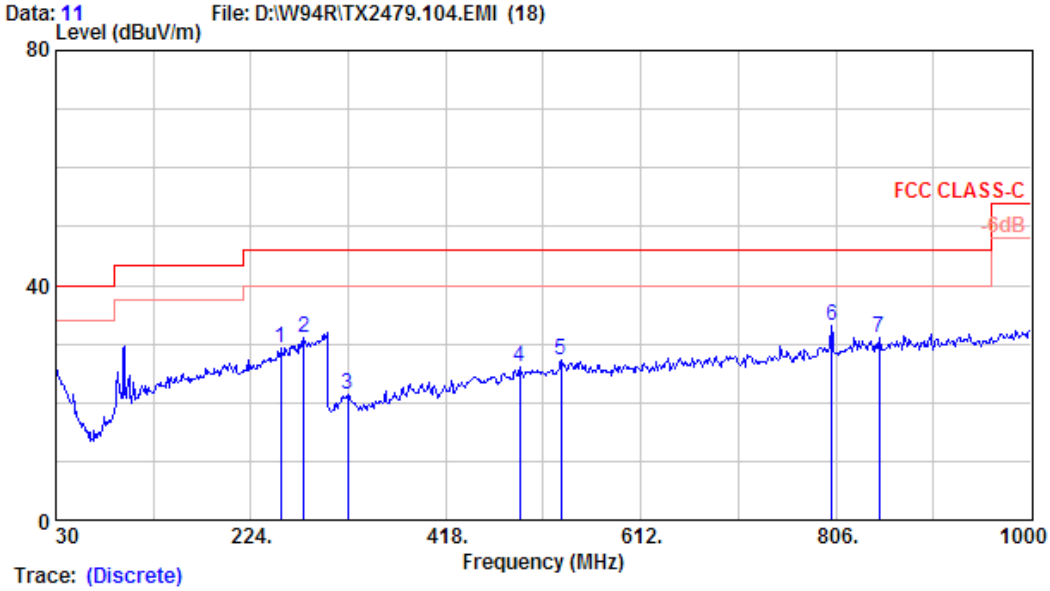


```
Site no.      : A/C Chamber                    Data no.   : 11
Dis. / Ant.   : 3m   VBA6106A/UHALP9108A       Ant. pol.  : HORIZONTAL
Limit         : FCC CLASS-C
Env. / Ins.   : 8564EC 22*C/48%                Engineer   : Jarwei Wang
EUT           : Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : TX2479.104MHz
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	254.070	24.13	3.60	1.55	29.28	46.00	16.72	
2	276.380	25.26	3.70	2.01	30.98	46.00	15.02	
3	320.030	14.99	4.20	2.29	21.48	46.00	24.52	
4	491.720	18.61	6.33	1.16	26.10	46.00	19.90	
5	532.460	19.64	7.00	0.49	27.13	46.00	18.87	
6	802.120	24.17	6.90	2.19	33.25	46.00	12.75	
7	848.680	25.51	7.10	-1.40	31.21	46.00	14.79	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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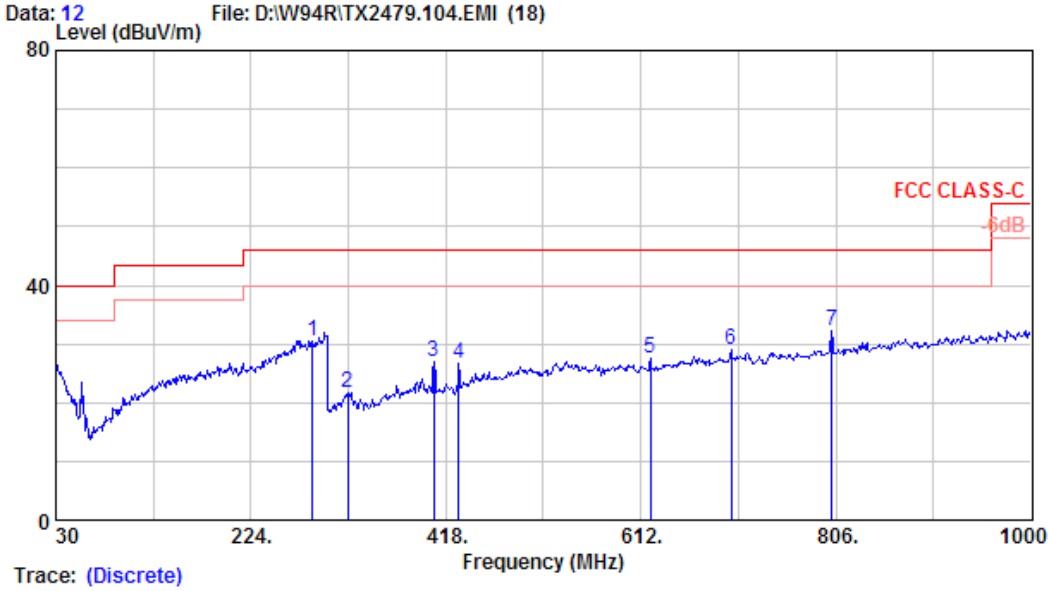


```
Site no.      : A/C Chamber                    Data no.   : 12
Dis. / Ant.   : 3m   VBA6106A/UHALP9108A       Ant. pol.  : VERTICAL
Limit         : FCC CLASS-C
Env. / Ins.   : 8564EC 22*C/48%                Engineer   : Jarwei Wang
EUT           : Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : TX2479.104MHz
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	285.110	25.54	3.80	1.20	30.55	46.00	15.45	
2	320.030	14.99	4.20	2.45	21.64	46.00	24.36	
3	406.360	17.35	4.90	4.86	27.10	46.00	18.90	
4	430.610	17.26	5.20	4.12	26.58	46.00	19.42	
5	621.700	21.37	6.20	-0.03	27.54	46.00	18.46	
6	702.210	23.53	6.50	-1.12	28.91	46.00	17.09	
7	802.120	24.17	6.90	1.10	32.16	46.00	13.84	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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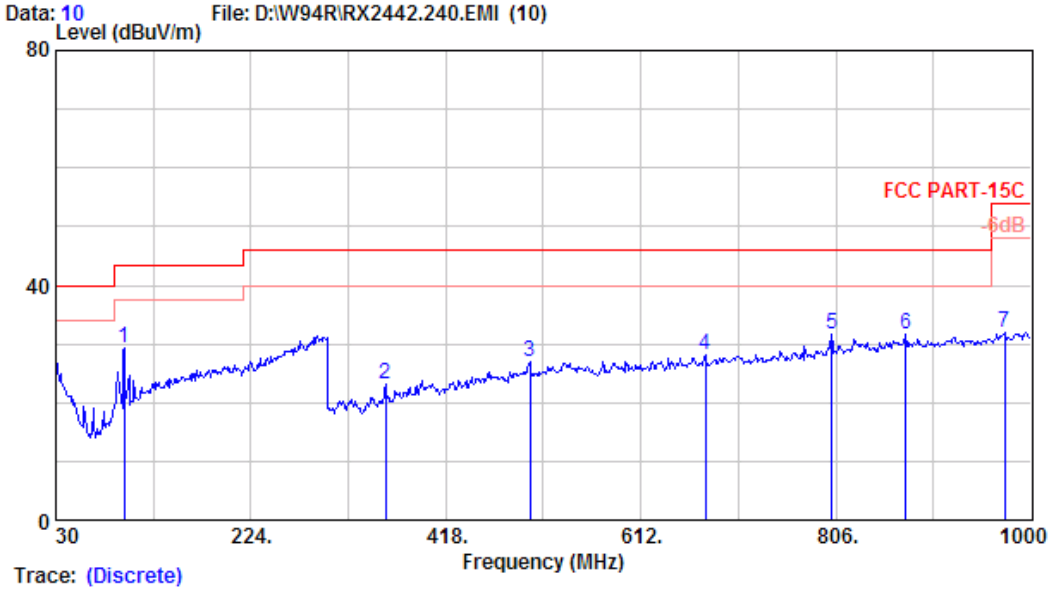

Site no. : A/C Chamber Data no. : 10
Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : HORIZONTAL
Limit : FCC PART-15C
Env. / Ins. : 8564EC 22*C/48% Engineer : Jarwei Wang
EUT : Receiver M/N:W94-R
Power Rating : 120Vac/60Hz
Test Mode : RX2442.240MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	97.900	16.84	2.10	10.38	29.32	43.50	14.18	
2	357.860	15.90	4.40	2.98	23.27	46.00	22.73	
3	501.420	18.95	6.52	1.61	27.08	46.00	18.92	
4	676.020	22.89	6.40	-1.03	28.25	46.00	17.75	
5	802.120	24.17	6.90	0.53	31.59	46.00	14.41	
6	875.840	25.35	7.30	-1.07	31.57	46.00	14.43	
7	973.810	26.64	7.70	-2.43	31.92	54.00	22.08	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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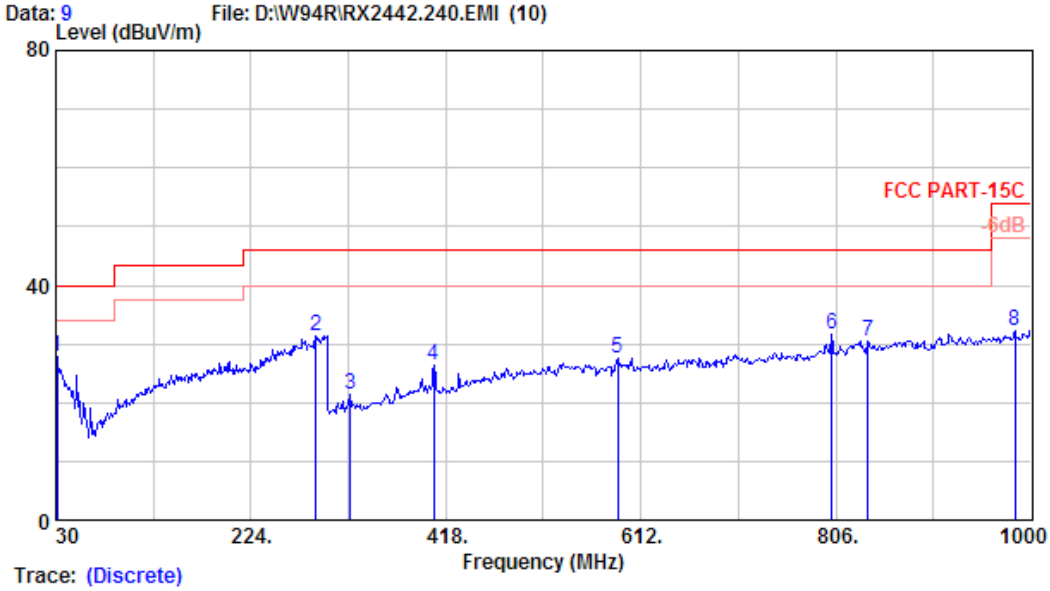

Site no. : A/C Chamber
Data no. : 9
Dis. / Ant. : 3m VBA6106A/UHALP9108A
Ant. pol. : VERTICAL
Limit : FCC PART-15C
Env. / Ins. : 8564EC 22*C/48%
Engineer : Jarwei Wang
EUT : Receiver M/N:W94-R
Power Rating : 120Vac/60Hz
Test Mode : RX2442.240MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	30.970	24.81	1.10	1.94	27.85	40.00	12.15	
2	288.990	25.97	3.80	1.70	31.46	46.00	14.54	
3	322.940	15.08	4.15	2.07	21.30	46.00	24.70	
4	406.360	17.35	4.90	4.03	26.27	46.00	19.73	
5	588.720	21.02	6.30	0.34	27.66	46.00	18.34	
6	802.120	24.17	6.90	0.55	31.61	46.00	14.39	
7	838.010	24.96	7.10	-1.44	30.62	46.00	15.38	
8	984.480	25.46	7.75	-0.98	32.23	54.00	21.77	

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

3.6.2.Above 1GHz Frequency Range Measurement Results

Test Mode: Transmitting Mode, Frequency: 2403.328MHz (CH0)

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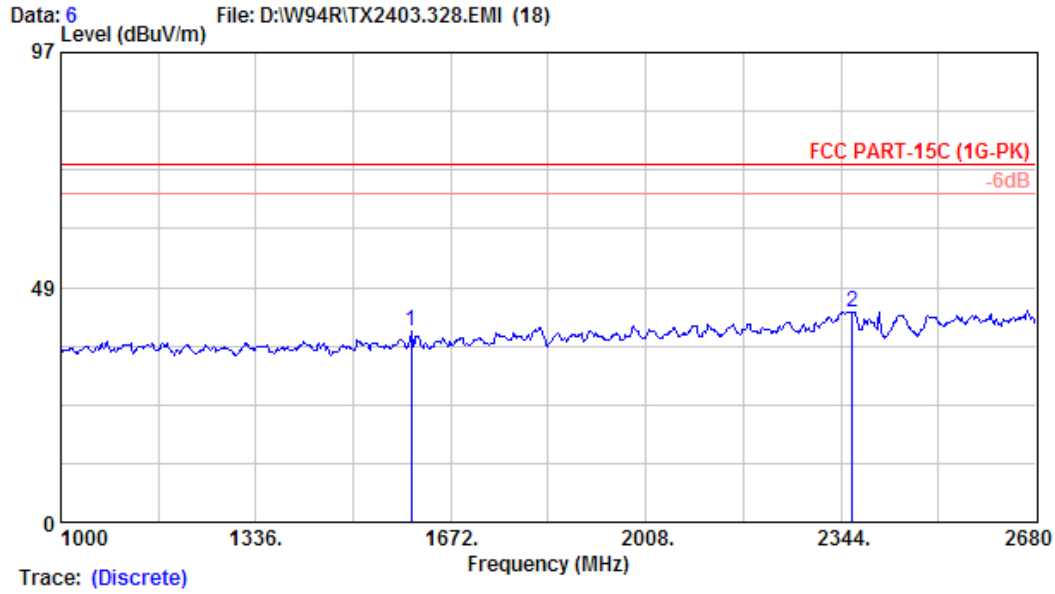


```
Site no.      : A/C Chamber                 Data no.   : 6
Dis. / Ant.   : 3m   3115                   Ant. pol.  : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 22*C/48%             Engineer   : Jarwei Wang
EUT           : Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : TX2403.328MHz
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	1603.120	25.95	3.65	9.78	39.38	74.00	34.62	Peak
2	2364.160	28.55	5.14	9.72	43.41	74.00	30.59	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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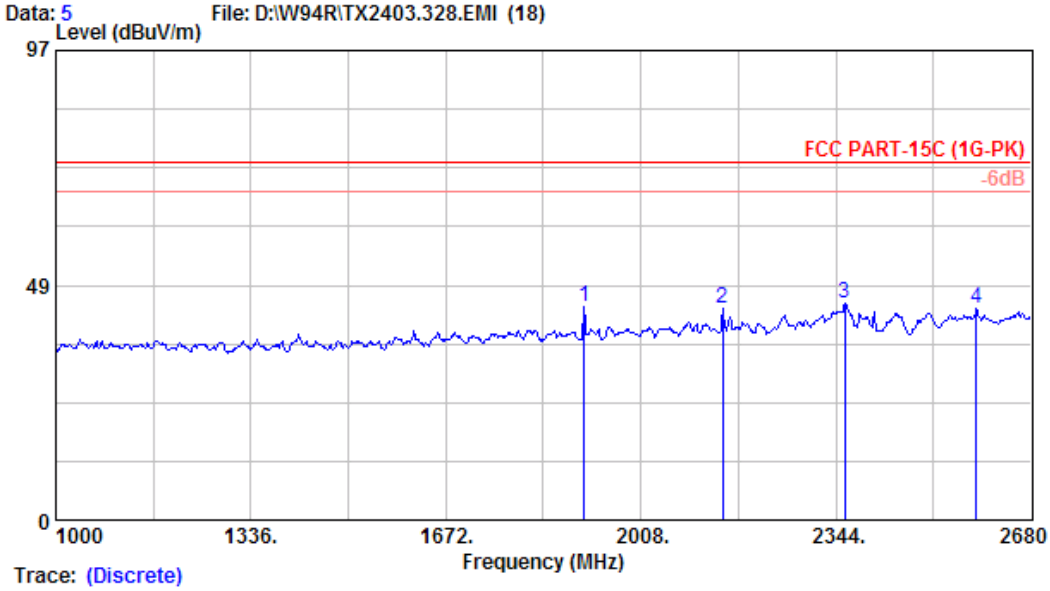

Site no. : A/C Chamber
Dis. / Ant. : 3m 3115
Limit : FCC PART-15C (1G-PK)
Env. / Ins. : 8564EC 22*C/48%
EUT : Receiver M/N:W94-R
Power Rating : 120Vac/60Hz
Test Mode : TX2403.328MHz

Data no. : 5
Ant. pol. : VERTICAL
Engineer : Jarwei Wang

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	1910.560	27.42	4.13	12.41	43.96	74.00	30.04	Peak
2	2149.120	28.12	4.95	10.51	43.58	74.00	30.42	Peak
3	2359.120	28.54	5.14	11.18	44.86	74.00	29.14	Peak
4	2585.920	29.18	5.34	9.24	43.76	74.00	30.24	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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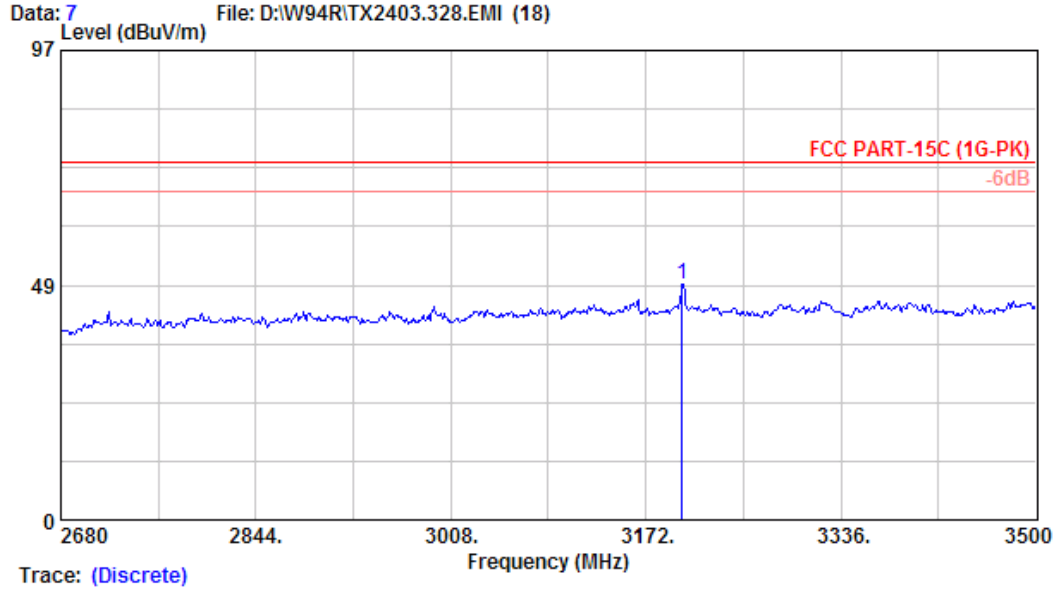


```
Site no.      : A/C Chamber                Data no.   : 7
Dis. / Ant.   : 3m   3115                  Ant. pol.  : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 22*C/48%            Engineer   : Jarwei Wang
EUT           : Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : TX2403.328MHz
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	3202.340	31.19	6.34	11.07	48.60	74.00	25.40	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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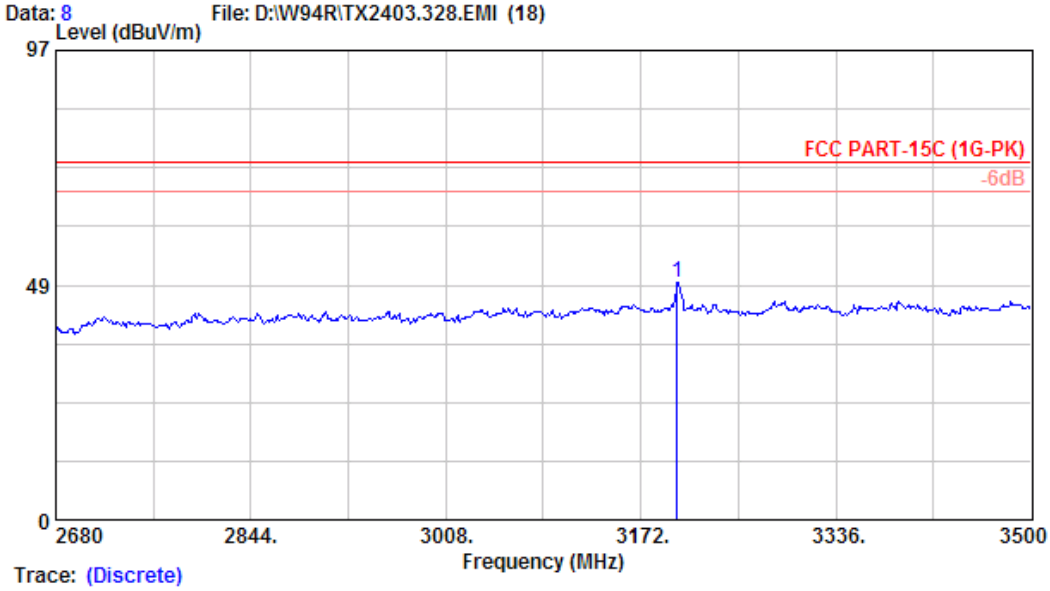


```
Site no.      : A/C Chamber                Data no.   : 8
Dis. / Ant.   : 3m   3115                  Ant. pol.  : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 22*C/48%            Engineer   : Jarwei Wang
EUT           : Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : TX2403.328MHz
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	3202.340	31.19	6.34	11.67	49.20	74.00	24.80	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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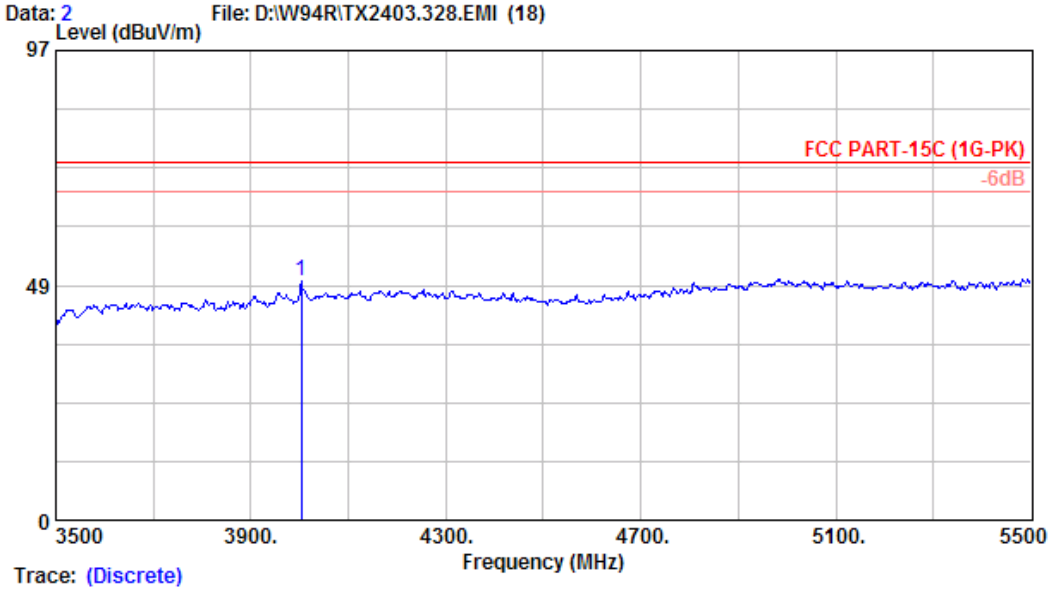

Site no. : A/C Chamber
Dis. / Ant. : 3m 3115
Limit : FCC PART-15C (1G-PK)
Env. / Ins. : 8564EC 22*C/48%
EUT : Receiver M/N:W94-R
Power Rating : 120Vac/60Hz
Test Mode : TX2403.328MHz

Data no. : 2
Ant. pol. : HORIZONTAL
Engineer : Jarwei Wang

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	4004.000	32.90	7.24	9.35	49.48	74.00	24.52	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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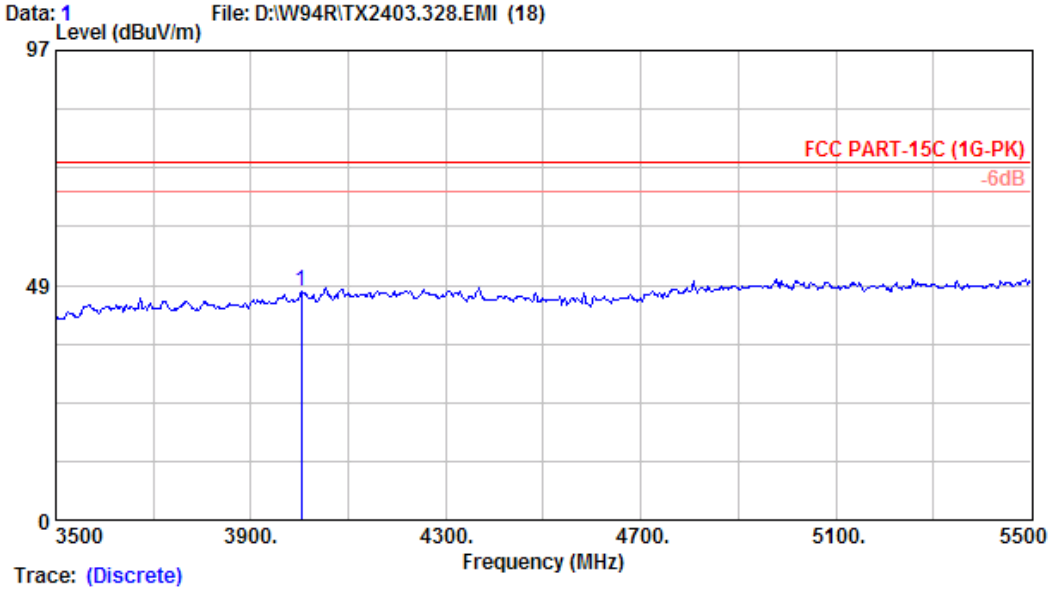

Site no. : A/C Chamber
Dis. / Ant. : 3m 3115
Limit : FCC PART-15C (1G-PK)
Env. / Ins. : 8564EC 22*C/48%
EUT : Receiver M/N:W94-R
Power Rating : 120Vac/60Hz
Test Mode : TX2403.328MHz

Data no. : 1
Ant. pol. : VERTICAL
Engineer : Jarwei Wang

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	4004.000	32.90	7.24	7.24	47.37	74.00	26.63	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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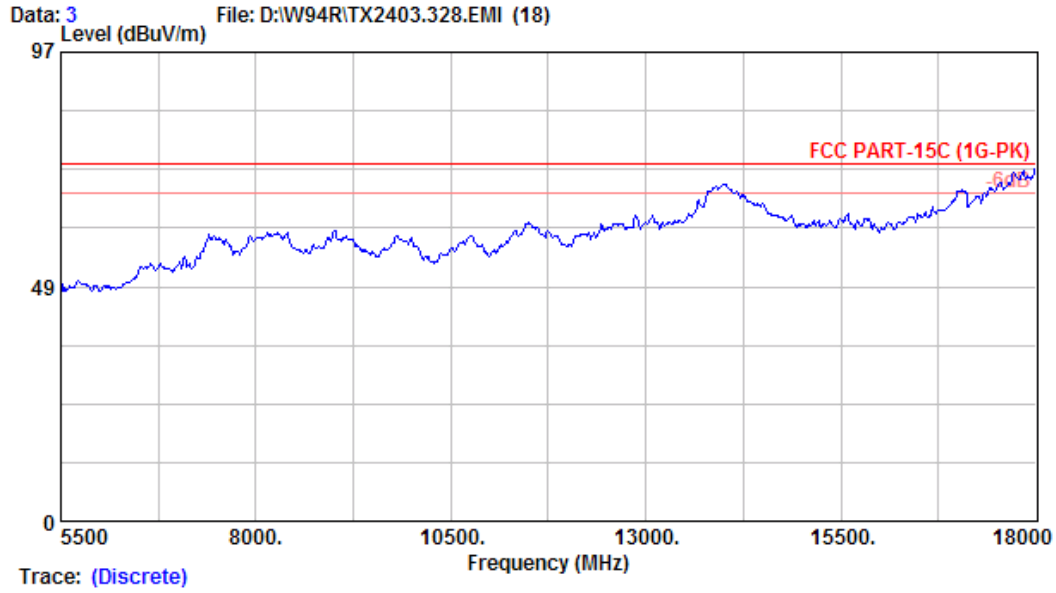


```
Site no.      : A/C Chamber                Data no.   : 3
Dis. / Ant.   : 3m   3115                  Ant. pol.  : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 22*C/48%            Engineer   : Jarwei Wang
EUT           : Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : TX2403.328MHz
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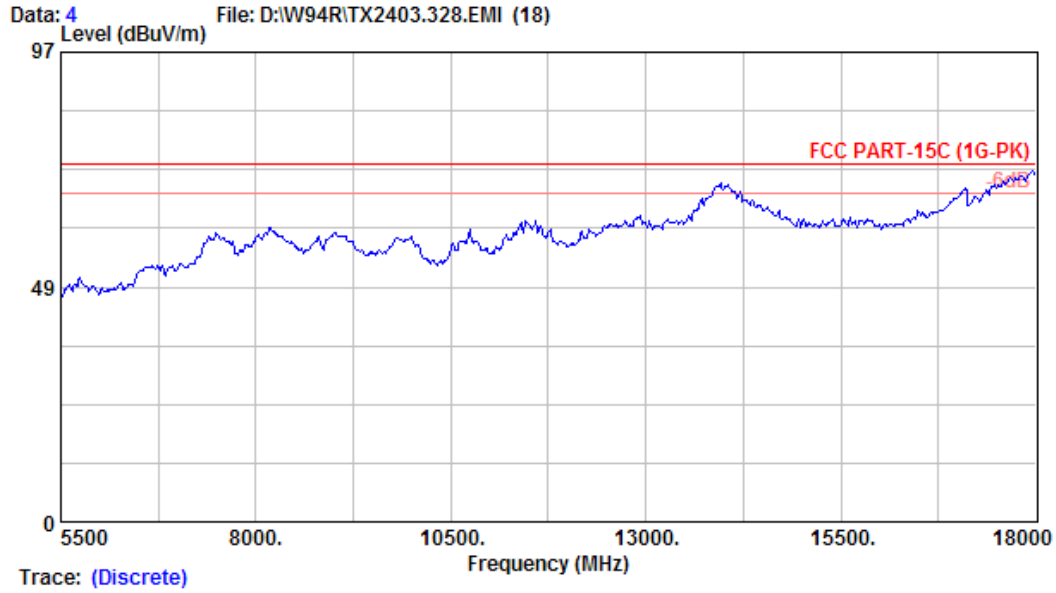


```
Site no.      : A/C Chamber                Data no.   : 4
Dis. / Ant.   : 3m   3115                  Ant. pol.  : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 22*C/48%            Engineer   : Jarwei Wang
EUT           : Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : TX2403.328MHz
```

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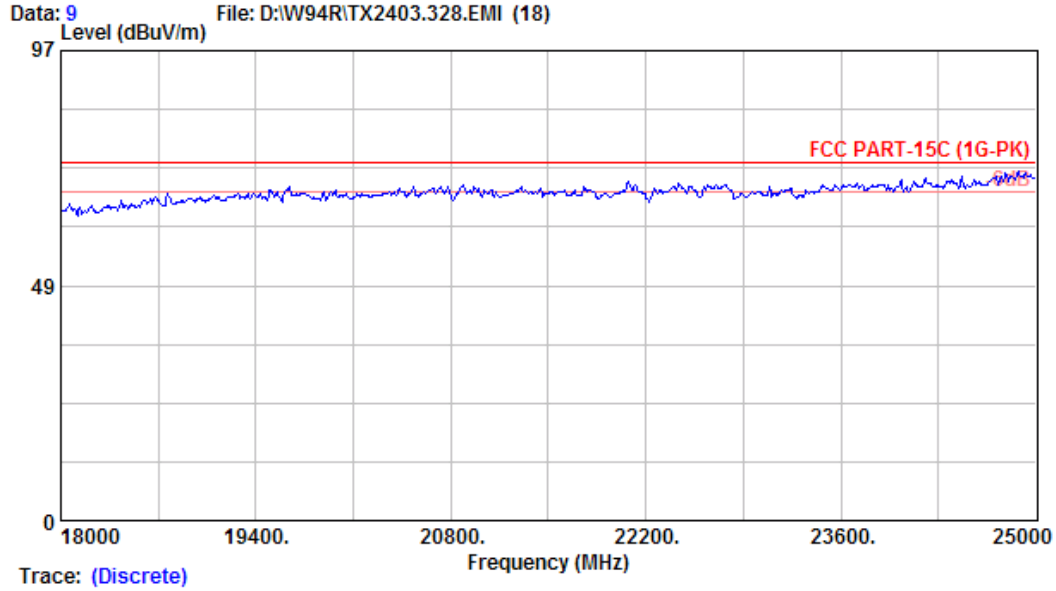
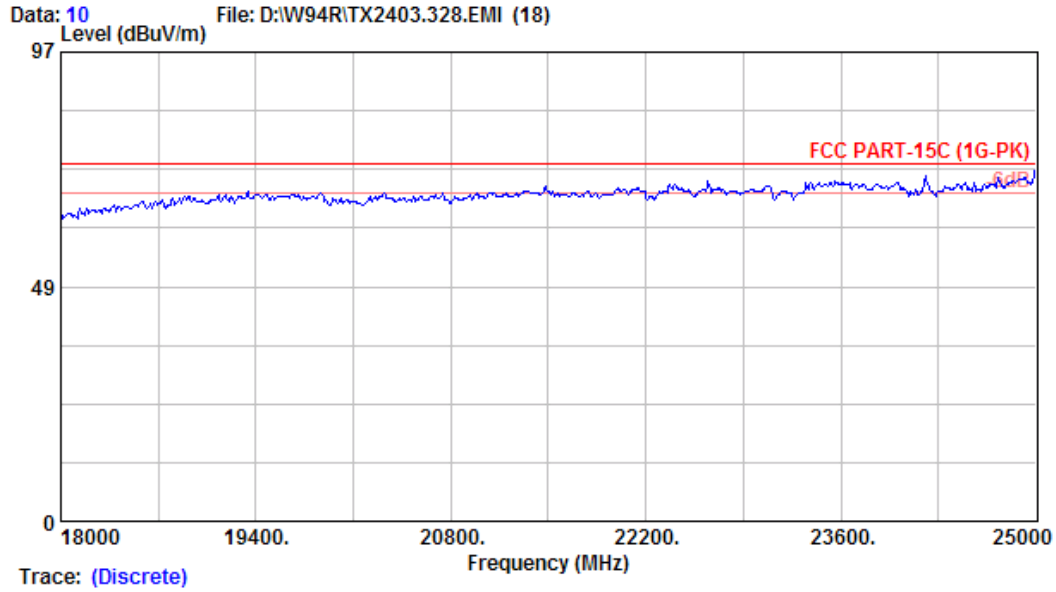



```
Site no.      : site                          Data no.   : 9
Dis. / Ant.   : 3m    3116                    Ant. pol.  : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 22*C/48%               Engineer   : Jarwei Wang
EUT           : Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : TX2403.328MHz
```




```
Site no.      : site                          Data no.   : 10
Dis. / Ant.   : 3m    3116                    Ant. pol.  : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 22*C/48%               Engineer   : Jarwei Wang
EUT           : Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : TX2403.328MHz
```

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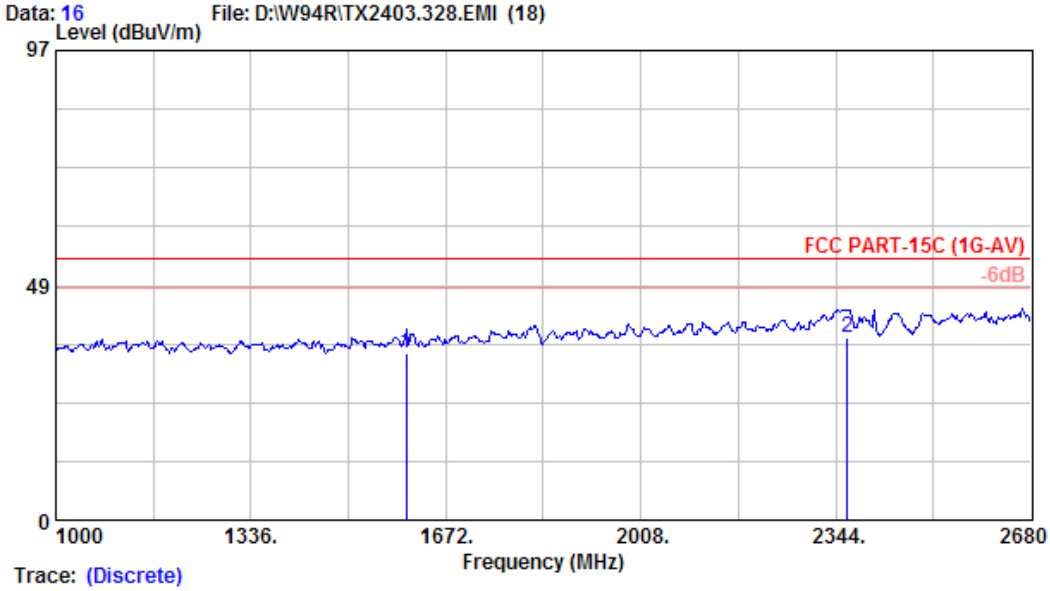

Site no. : A/C Chamber
Dis. / Ant. : 3m 3115
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : 8564EC 22*C/48%
EUT : Receiver M/N:W94-R
Power Rating : 120Vac/60Hz
Test Mode : TX2403.328MHz

Data no. : 16
Ant. pol. : HORIZONTAL
Engineer : Jarwei Wang

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	1603.120	25.95	3.65	4.78	34.38	54.00	19.62	Average
2	2364.160	28.55	5.14	3.92	37.61	54.00	16.39	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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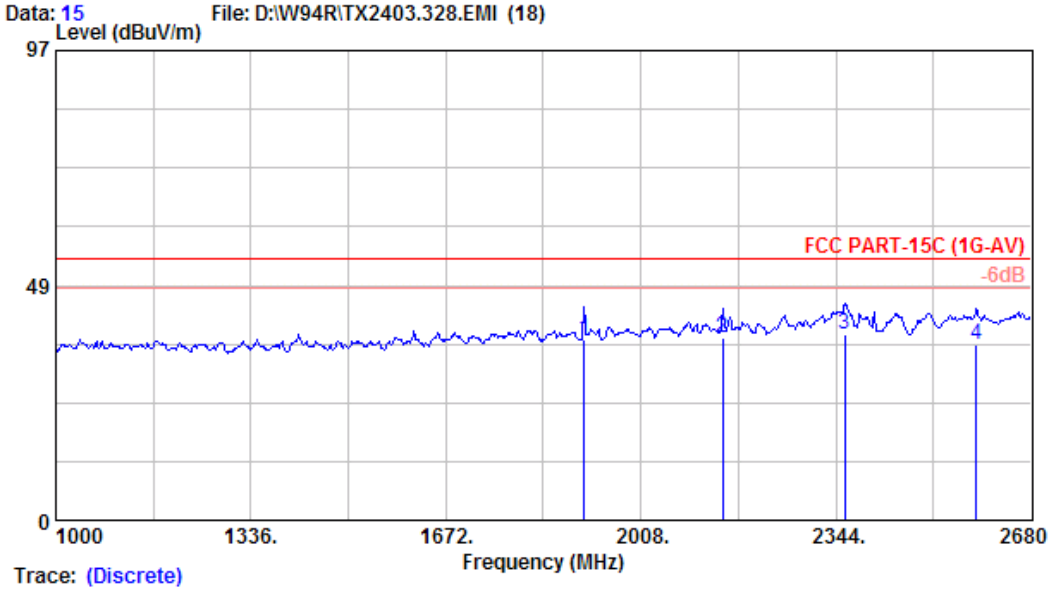


```
Site no.      : A/C Chamber                 Data no.   : 15
Dis. / Ant.   : 3m   3115                   Ant. pol.  : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 22*C/48%             Engineer   : Jarwei Wang
EUT           : Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : TX2403.328MHz
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	1910.560	27.42	4.13	5.74	37.28	54.00	16.72	Average
2	2149.120	28.12	4.95	4.51	37.58	54.00	16.42	Average
3	2359.120	28.54	5.14	4.84	38.52	54.00	15.48	Average
4	2585.920	29.18	5.34	1.65	36.17	54.00	17.83	Average

```
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
         2. The emission levels that are 20dB below the official
            limit are not reported.
```

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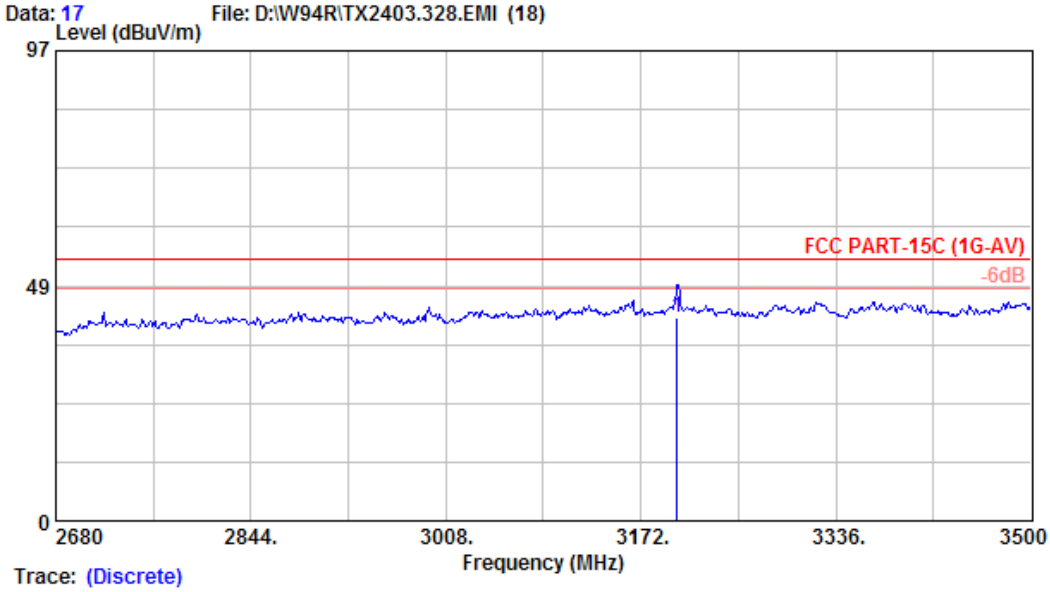

Site no. : A/C Chamber
Data no. : 17
Dis. / Ant. : 3m 3115
Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : 8564EC 22*C/48%
Engineer : Jarwei Wang
EUT : Receiver M/N:W94-R
Power Rating : 120Vac/60Hz
Test Mode : TX2403.328MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	3202.340	31.19	6.34	4.30	41.83	54.00	12.17	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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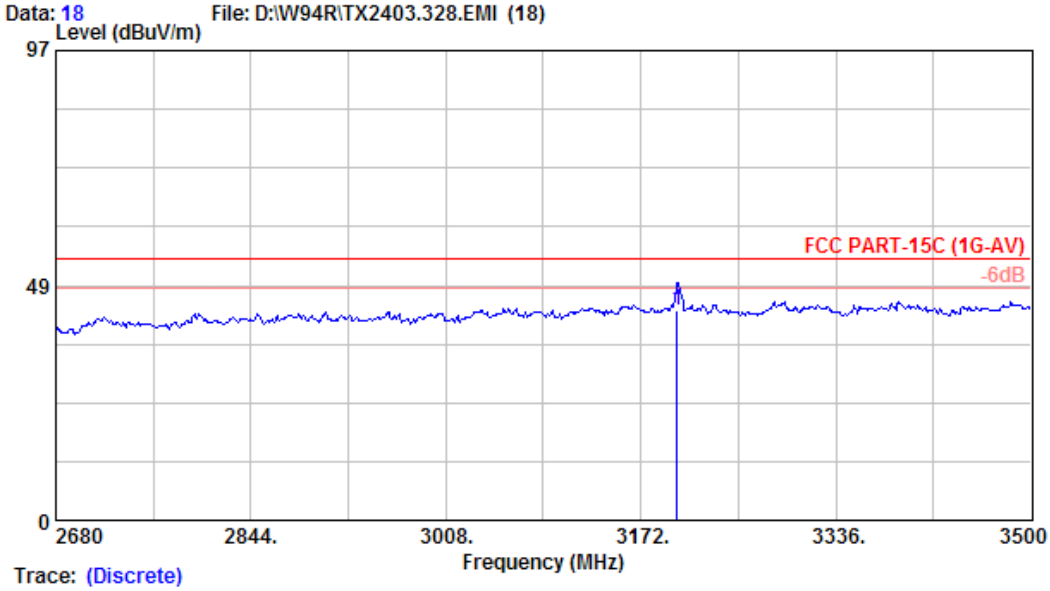

Site no. : A/C Chamber
Dis. / Ant. : 3m 3115
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : 8564EC 22*C/48%
EUT : Receiver M/N:W94-R
Power Rating : 120Vac/60Hz
Test Mode : TX2403.328MHz

Data no. : 18
Ant. pol. : VERTICAL
Engineer : Jarwei Wang

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	3202.340	31.19	6.34	5.77	43.30	54.00	10.70	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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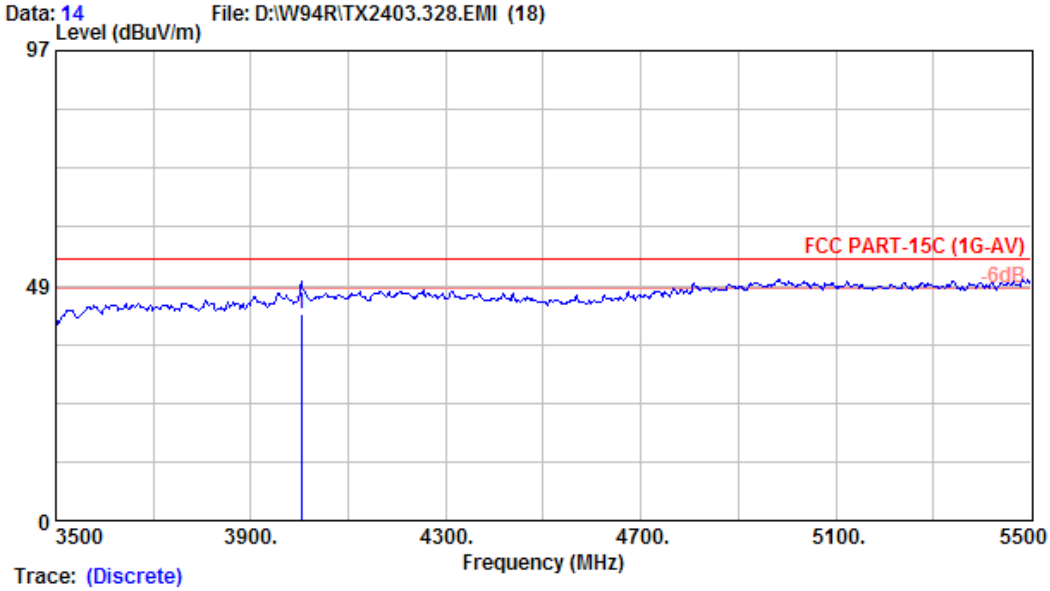


```
Site no.      : A/C Chamber                 Data no.   : 14
Dis. / Ant.   : 3m   3115                   Ant. pol.  : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 22*C/48%             Engineer   : Jarwei Wang
EUT           : Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : TX2403.328MHz
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	4004.000	32.90	7.24	2.34	42.48	54.00	11.52	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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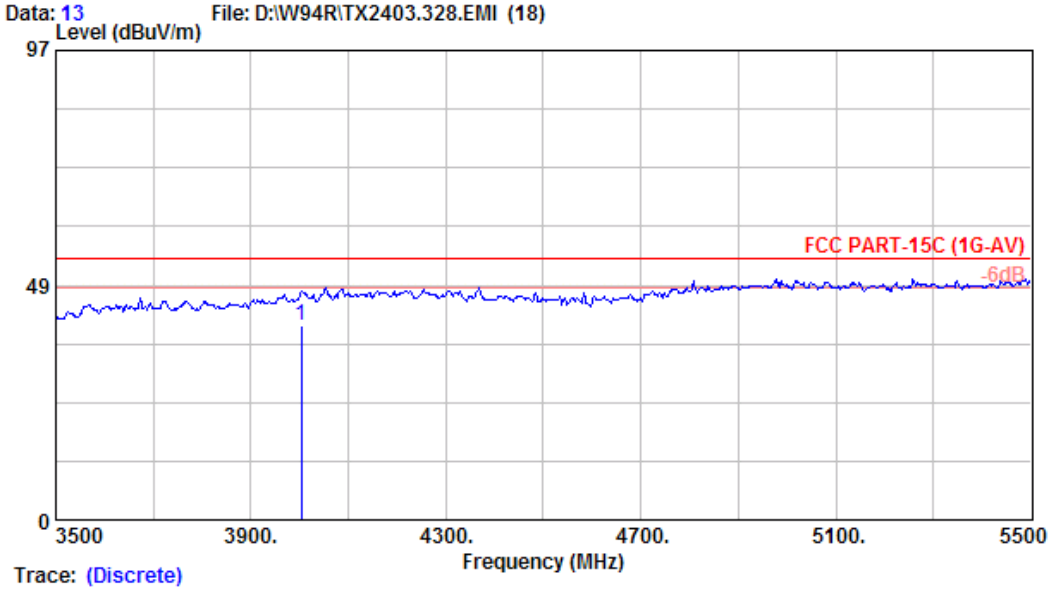

Site no. : A/C Chamber
Data no. : 13
Dis. / Ant. : 3m 3115
Ant. pol. : VERTICAL
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : 8564EC 22*C/48%
Engineer : Jarwei Wang
EUT : Receiver M/N:W94-R
Power Rating : 120Vac/60Hz
Test Mode : TX2403.328MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	4004.000	32.90	7.24	-0.01	40.13	54.00	13.87	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Test Mode: Transmitting Mode, Frequency: 2442.240MHz (CH19)

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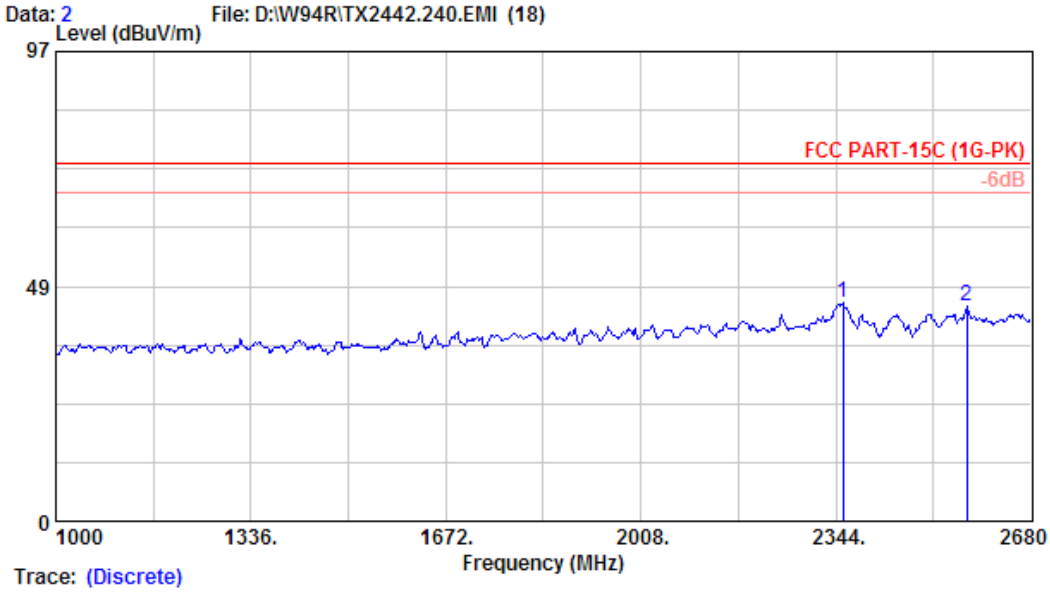


```
Site no.      : A/C Chamber                  Data no.   : 2
Dis. / Ant.   : 3m   3115                    Ant. pol.  : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 22*C/48%              Engineer   : Jarwei Wang
EUT           : Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : TX2442.240MHz
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	2355.760	28.53	5.14	11.51	45.18	74.00	28.82	Peak
2	2569.120	29.09	5.32	10.11	44.51	74.00	29.49	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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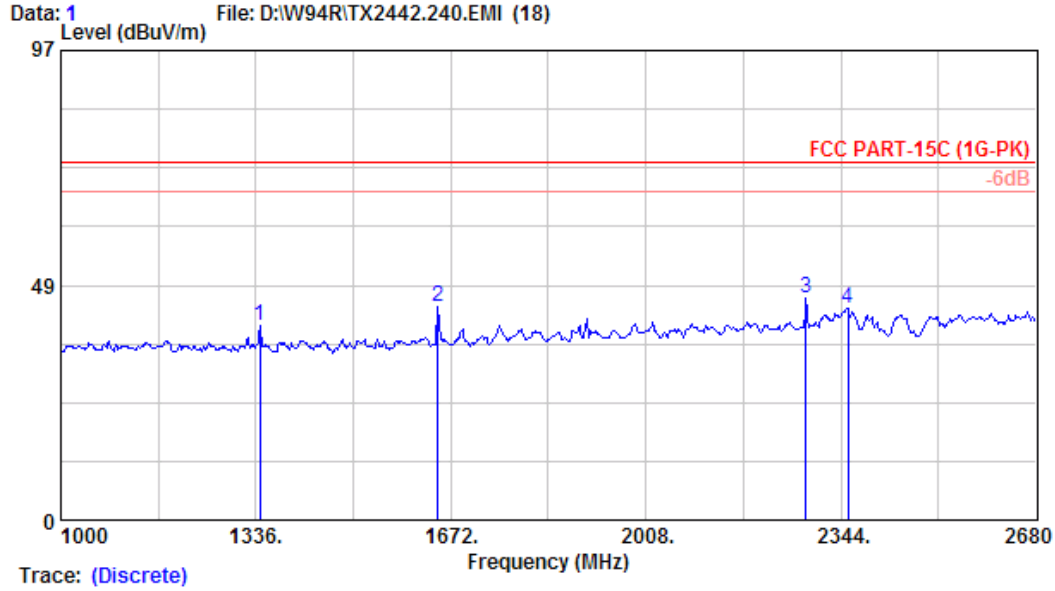

Site no. : A/C Chamber
Dis. / Ant. : 3m 3115
Limit : FCC PART-15C (1G-PK)
Env. / Ins. : 8564EC 22*C/48%
EUT : Receiver M/N:W94-R
Power Rating : 120Vac/60Hz
Test Mode : TX2442.240MHz

Data no. : 1
Ant. pol. : VERTICAL
Engineer : Jarwei Wang

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	1342.720	25.35	3.38	11.42	40.15	74.00	33.85	Peak
2	1650.160	26.19	3.71	14.21	44.10	74.00	29.90	Peak
3	2283.520	28.40	4.98	12.45	45.82	74.00	28.18	Peak
4	2355.760	28.53	5.14	10.18	43.85	74.00	30.15	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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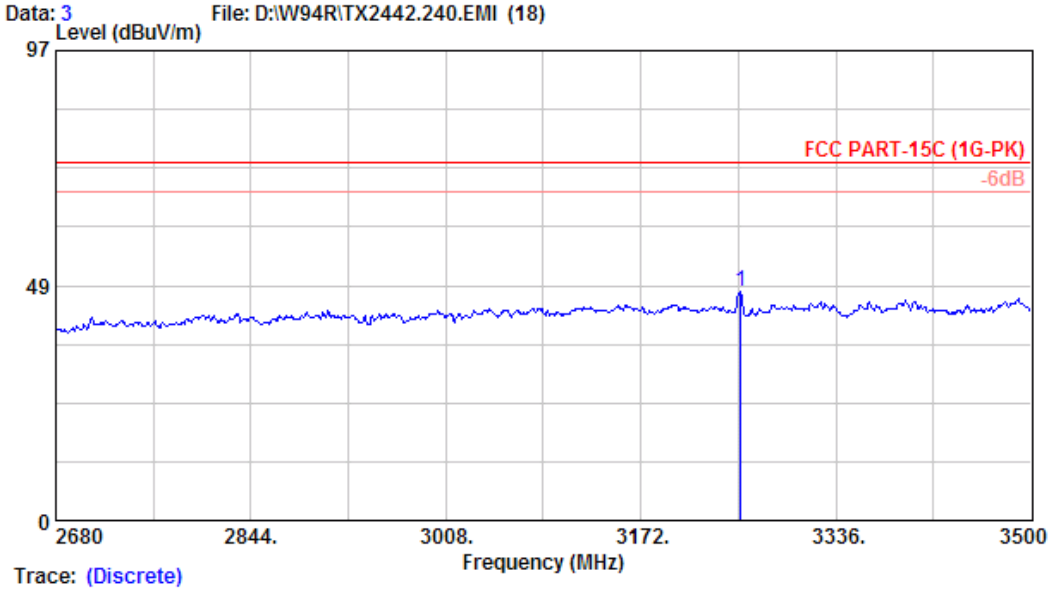
Email:ttemc@ttemc.com.tw




```
Site no.      : A/C Chamber                 Data no.   : 3
Dis. / Ant.   : 3m   3115                   Ant. pol.  : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 22*C/48%             Engineer   : Jarwei Wang
EUT           : Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : TX2442.240MHz
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	3255.640	31.28	6.21	9.66	47.14	74.00	26.86	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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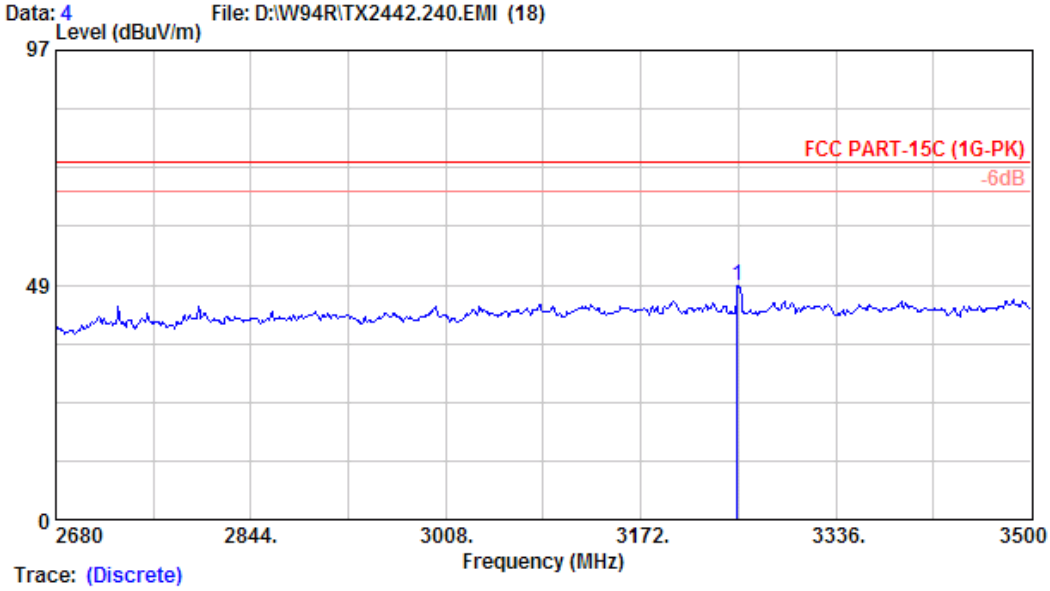


```
Site no.      : A/C Chamber                 Data no.   : 4
Dis. / Ant.   : 3m   3115                   Ant. pol.  : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 22*C/48%             Engineer   : Jarwei Wang
EUT           : Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : TX2442.240MHz
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	3253.180	31.28	6.21	10.76	48.24	74.00	25.76	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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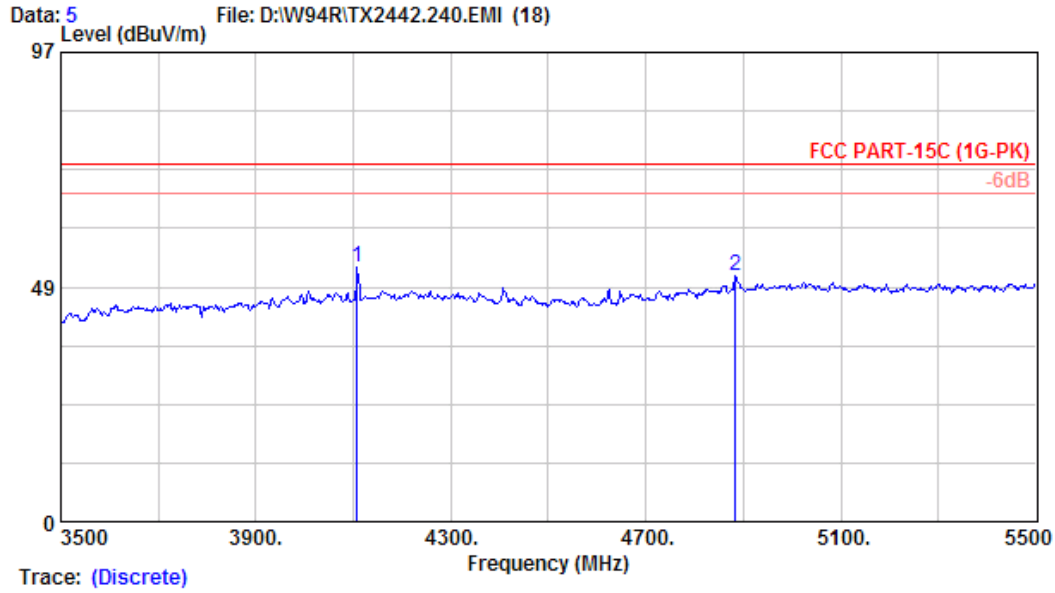

Site no. : A/C Chamber
Dis. / Ant. : 3m 3115
Limit : FCC PART-15C (1G-PK)
Env. / Ins. : 8564EC 22*C/48%
EUT : Receiver M/N:W94-R
Power Rating : 120Vac/60Hz
Test Mode : TX2442.240MHz

Data no. : 5
Ant. pol. : VERTICAL
Engineer : Jarwei Wang

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	4108.000	32.88	7.45	12.33	52.66	74.00	21.34	Peak
2	4884.000	33.82	8.35	8.48	50.66	74.00	23.34	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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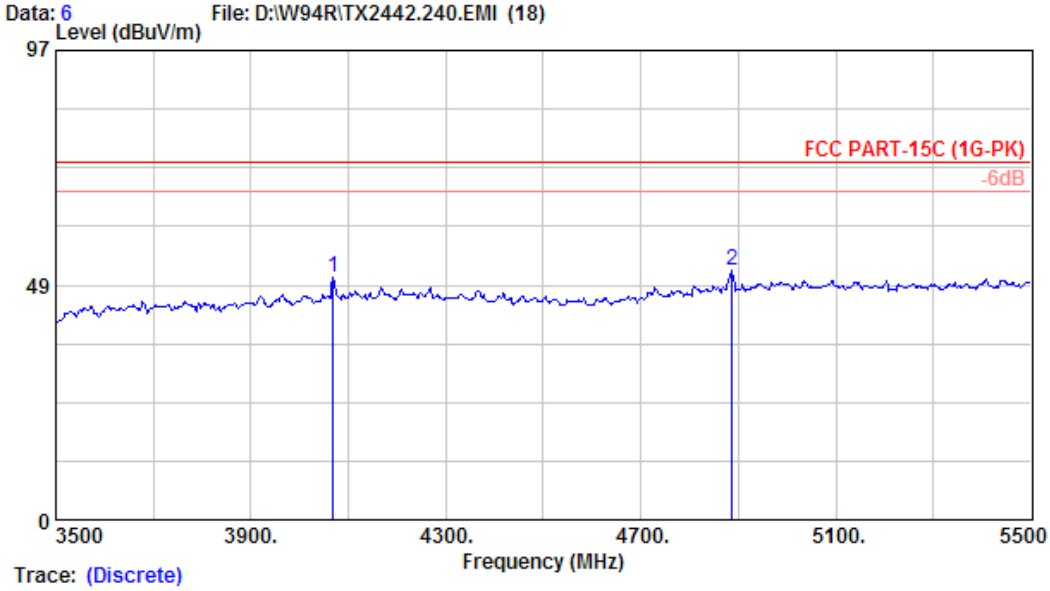

Site no. : A/C Chamber
Dis. / Ant. : 3m 3115
Limit : FCC PART-15C (1G-PK)
Env. / Ins. : 8564EC 22*C/48%
EUT : Receiver M/N:W94-R
Power Rating : 120Vac/60Hz
Test Mode : TX2442.240MHz

Data no. : 6
Ant. pol. : HORIZONTAL
Engineer : Jarwei Wang

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	4068.000	32.89	7.34	9.75	49.98	74.00	24.02	Peak
2	4888.000	33.82	8.45	9.37	51.64	74.00	22.36	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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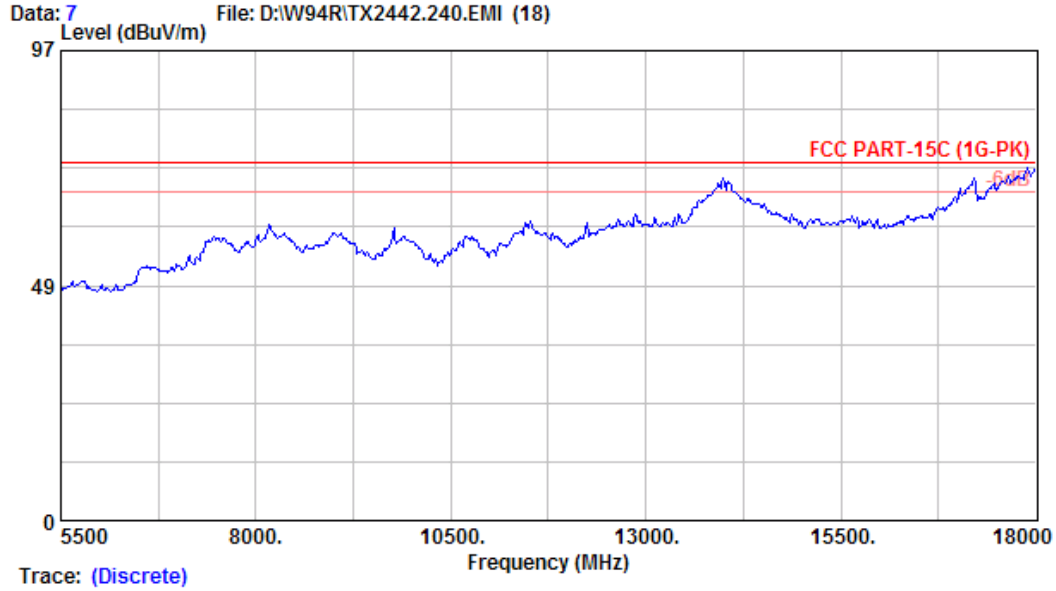


```
Site no.      : A/C Chamber                 Data no.   : 7
Dis. / Ant.   : 3m   3115                   Ant. pol.  : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 22*C/48%             Engineer   : Jarwei Wang
EUT           : Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : TX2442.240MHz
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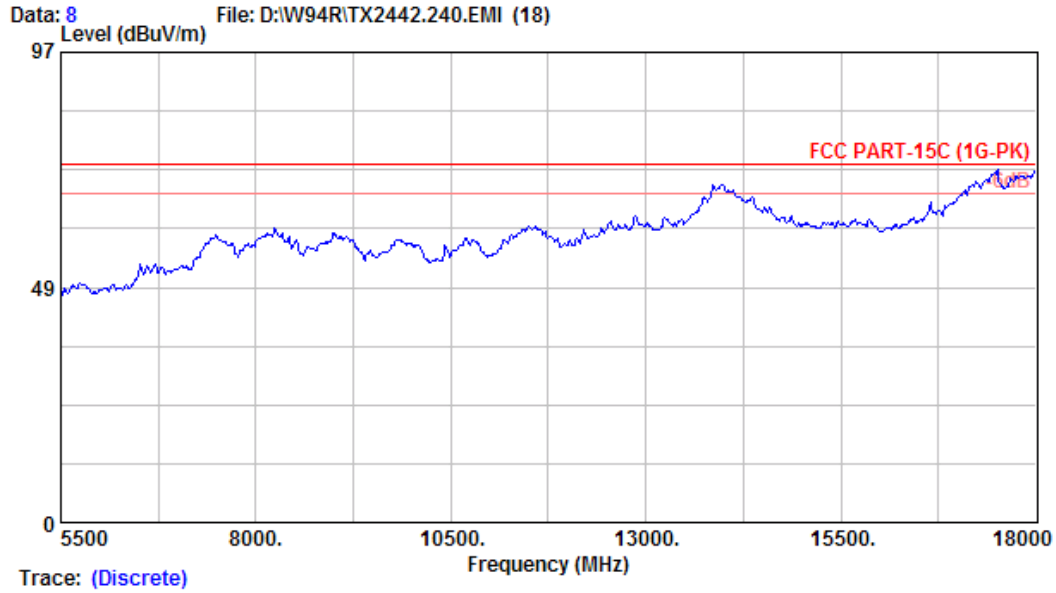


```
Site no.      : A/C Chamber                 Data no.   : 8
Dis. / Ant.   : 3m   3115                   Ant. pol.  : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 22*C/48%             Engineer   : Jarwei Wang
EUT           : Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : TX2442.240MHz
```

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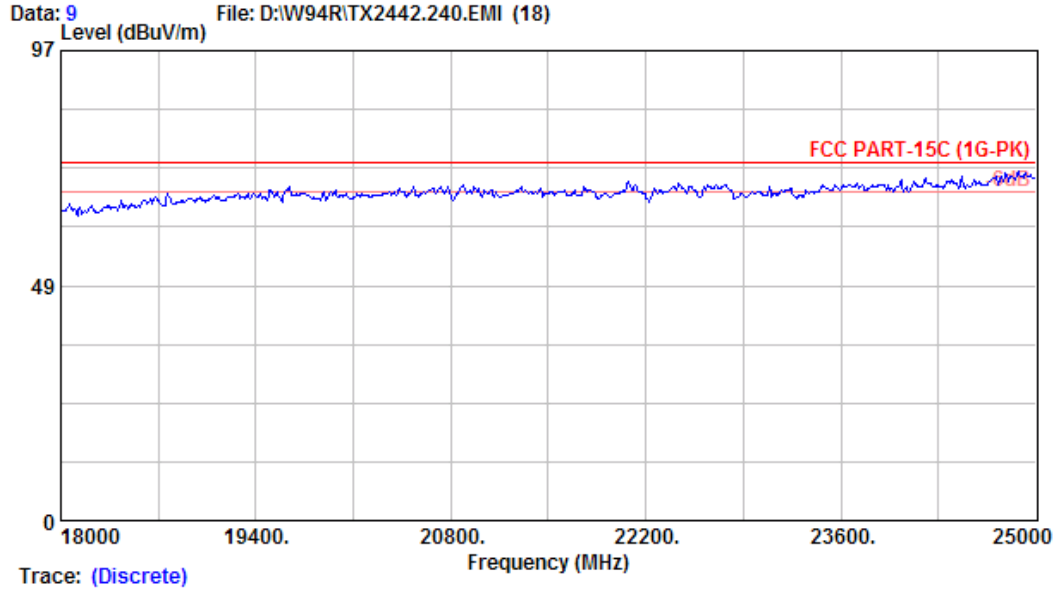
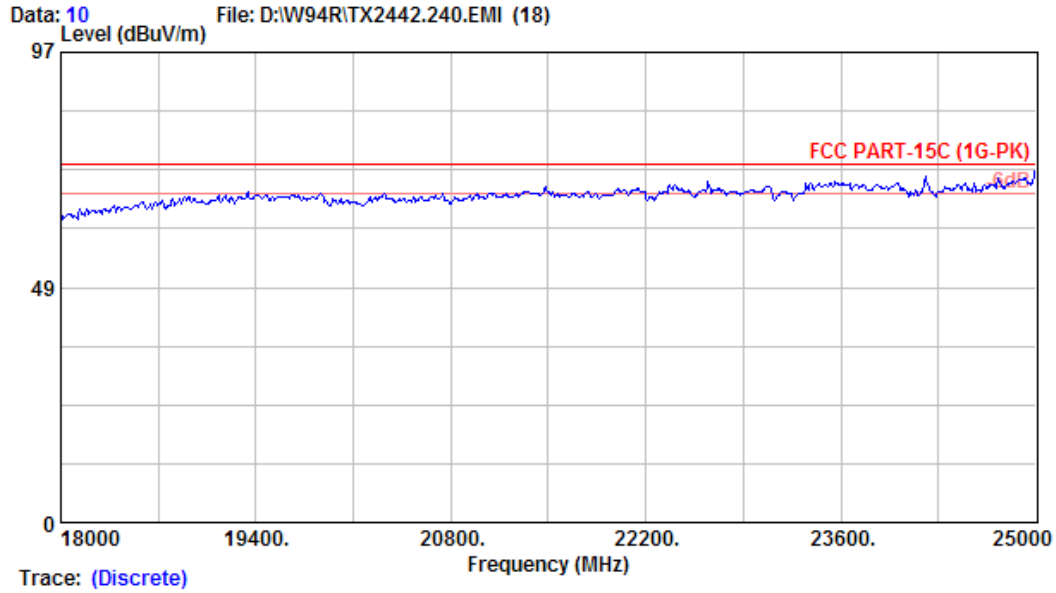



```
Site no.      : site                          Data no.   : 9
Dis. / Ant.   : 3m    3116                    Ant. pol.  : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 22*C/48%               Engineer   : Jarwei Wang
EUT           : Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : TX2442.240MHz
```




```
Site no.      : site                          Data no.   : 10
Dis. / Ant.   : 3m    3116                    Ant. pol.  : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 22*C/48%               Engineer   : Jarwei Wang
EUT           : Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : TX2442.240MHz
```

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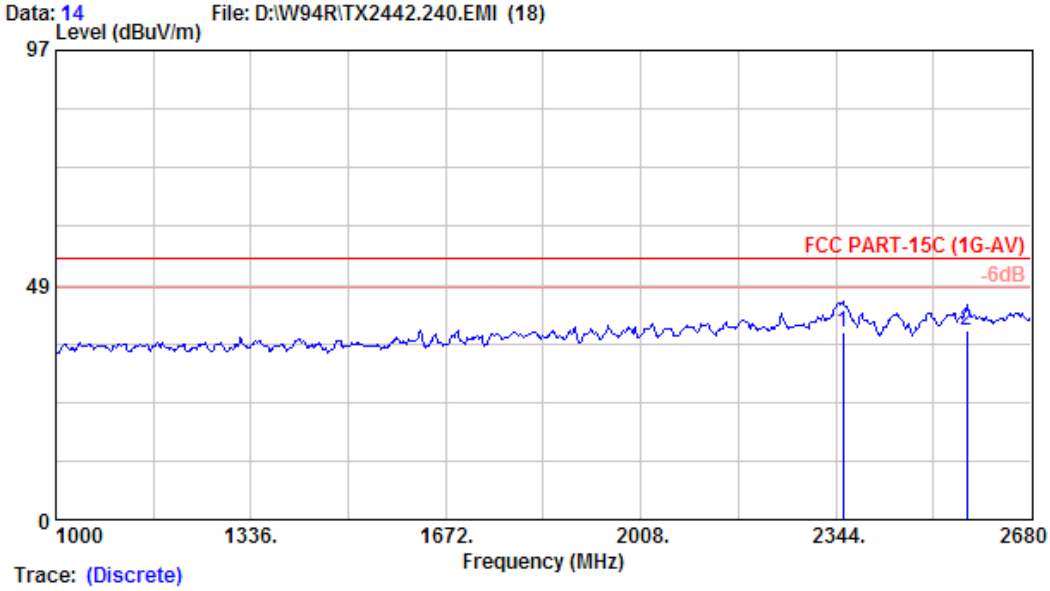

Site no. : A/C Chamber
Dis. / Ant. : 3m 3115
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : 8564EC 22*C/48%
EUT : Receiver M/N:W94-R
Power Rating : 120Vac/60Hz
Test Mode : TX2442.240MHz

Data no. : 14
Ant. pol. : HORIZONTAL
Engineer : Jarwei Wang

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	2355.760	28.53	5.14	5.20	38.87	54.00	15.13	Average
2	2569.120	29.09	5.32	4.78	39.18	54.00	14.82	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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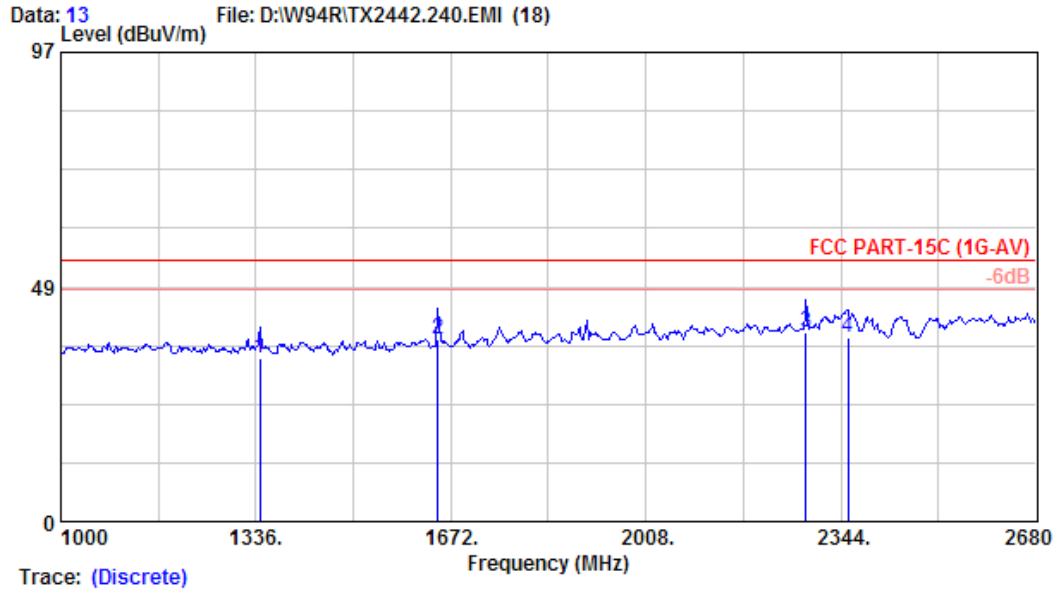

Site no. : A/C Chamber
Dis. / Ant. : 3m 3115
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : 8564EC 22*C/48%
EUT : Receiver M/N:W94-R
Power Rating : 120Vac/60Hz
Test Mode : TX2442.240MHz

Data no. : 13
Ant. pol. : VERTICAL
Engineer : Jarwei Wang

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	1342.720	25.35	3.38	4.85	33.58	54.00	20.42	Average
2	1650.160	26.19	3.71	7.72	37.62	54.00	16.38	Average
3	2283.520	28.40	4.98	5.79	39.17	54.00	14.83	Average
4	2355.760	28.53	5.14	4.51	38.18	54.00	15.82	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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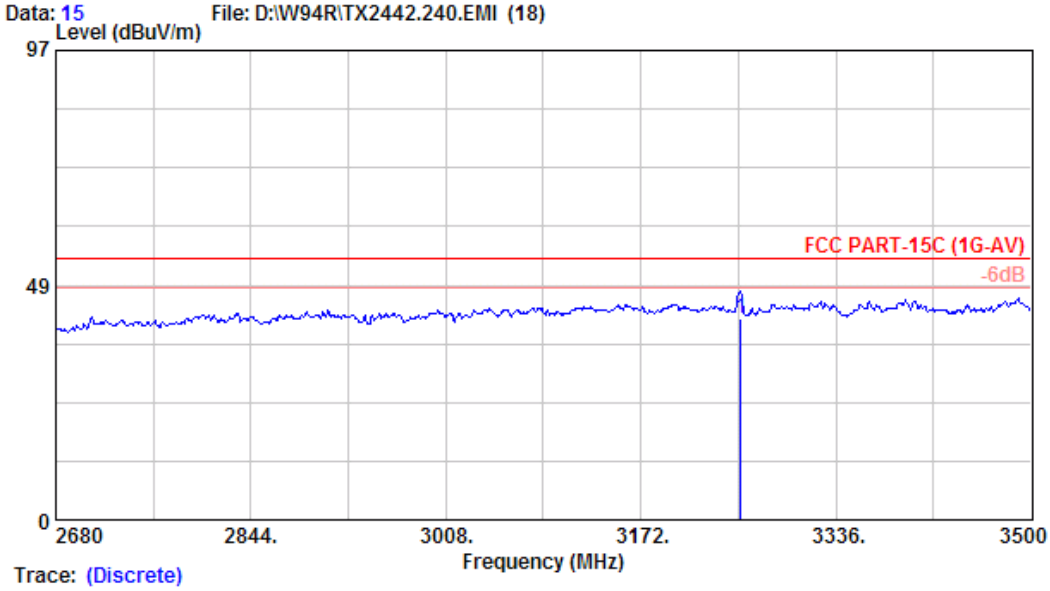

Site no. : A/C Chamber
Dis. / Ant. : 3m 3115
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : 8564EC 22*C/48%
EUT : Receiver M/N:W94-R
Power Rating : 120Vac/60Hz
Test Mode : TX2442.240MHz

Data no. : 15
Ant. pol. : HORIZONTAL
Engineer : Jarwei Wang

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	3255.640	31.28	6.21	3.99	41.48	54.00	12.52	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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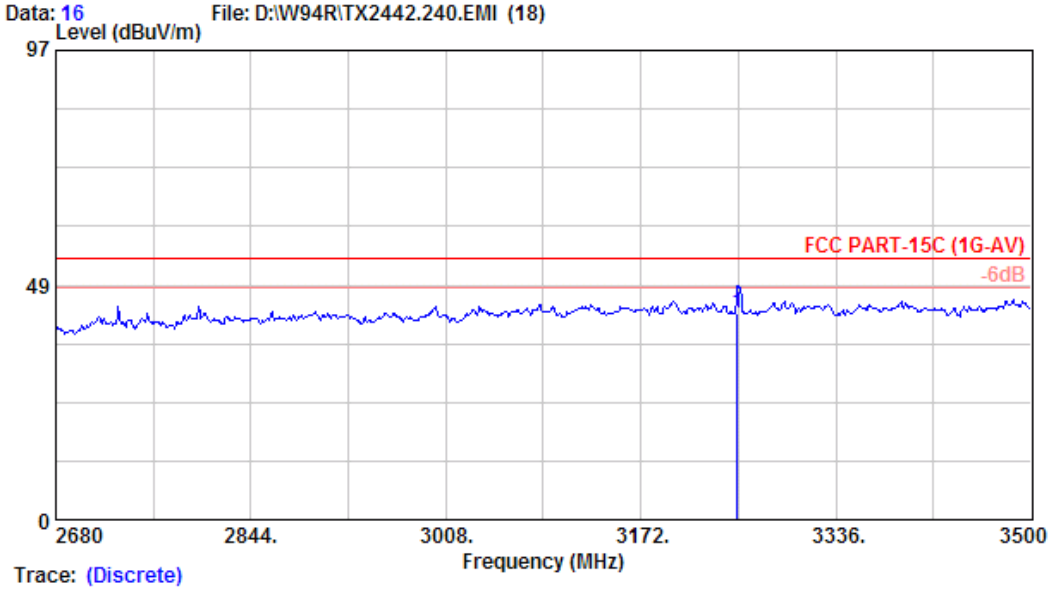

Site no. : A/C Chamber
Dis. / Ant. : 3m 3115
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : 8564EC 22*C/48%
EUT : Receiver M/N:W94-R
Power Rating : 120Vac/60Hz
Test Mode : TX2442.240MHz

Data no. : 16
Ant. pol. : VERTICAL
Engineer : Jarwei Wang

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	3253.180	31.28	6.21	5.05	42.53	54.00	11.47	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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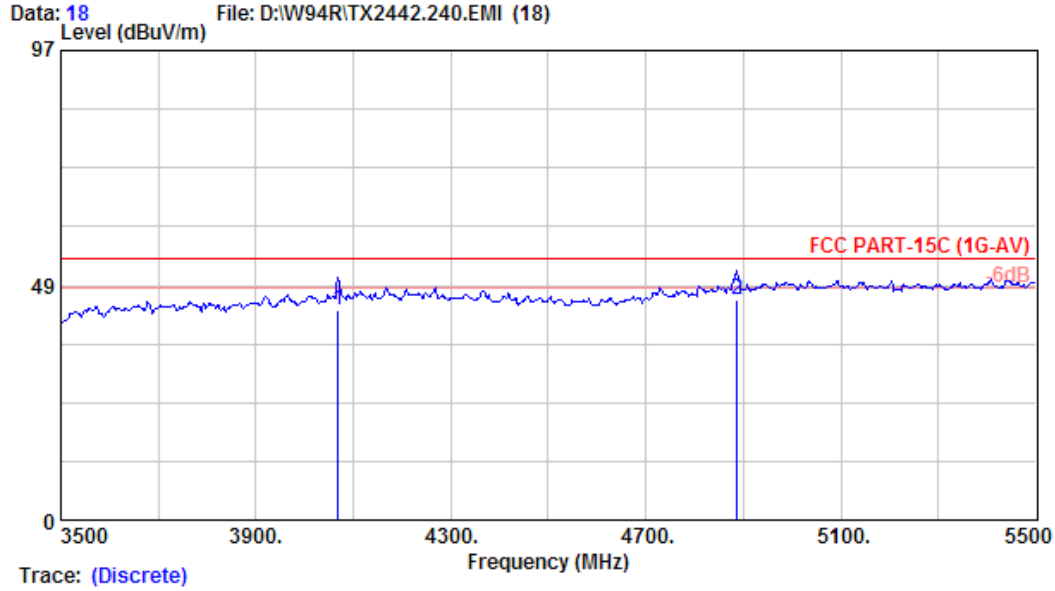

Site no. : A/C Chamber
Dis. / Ant. : 3m 3115
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : 8564EC 22*C/48%
EUT : Receiver M/N:W94-R
Power Rating : 120Vac/60Hz
Test Mode : TX2442.240MHz

Data no. : 18
Ant. pol. : HORIZONTAL
Engineer : Jarwei Wang

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	4068.000	32.89	7.34	3.28	43.51	54.00	10.49	Average
2	4888.000	33.82	8.45	3.10	45.37	54.00	8.63	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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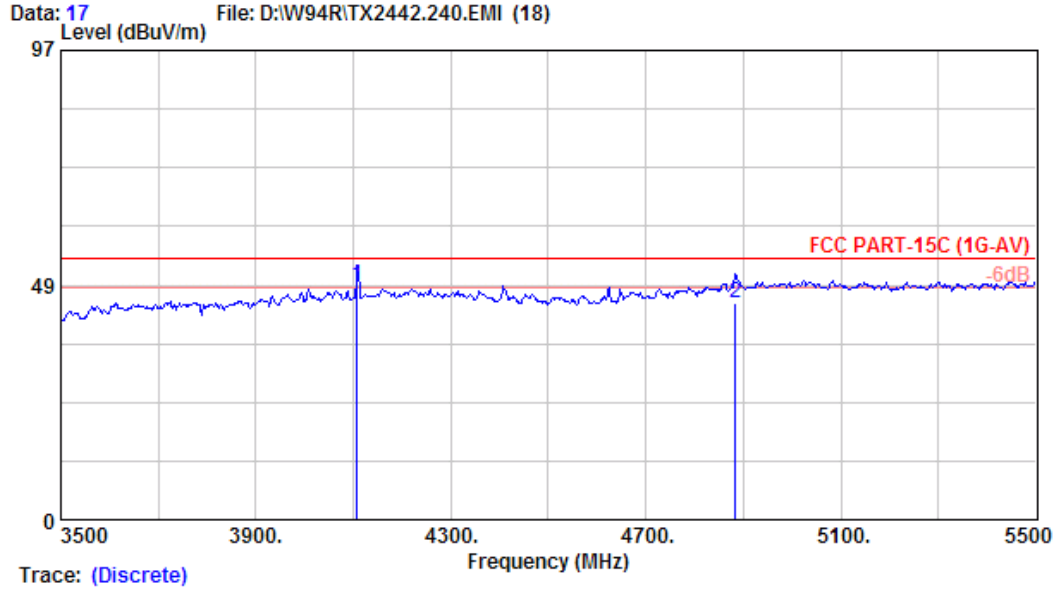

Site no. : A/C Chamber
Dis. / Ant. : 3m 3115
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : 8564EC 22*C/48%
EUT : Receiver M/N:W94-R
Power Rating : 120Vac/60Hz
Test Mode : TX2442.240MHz

Data no. : 17
Ant. pol. : VERTICAL
Engineer : Jarwei Wang

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	4108.000	32.88	7.45	7.87	48.20	54.00	5.80	Average
2	4884.000	33.82	8.35	2.54	44.71	54.00	9.29	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Test Mode: Transmitting Mode, Frequency: 2479.104MHz (CH37)

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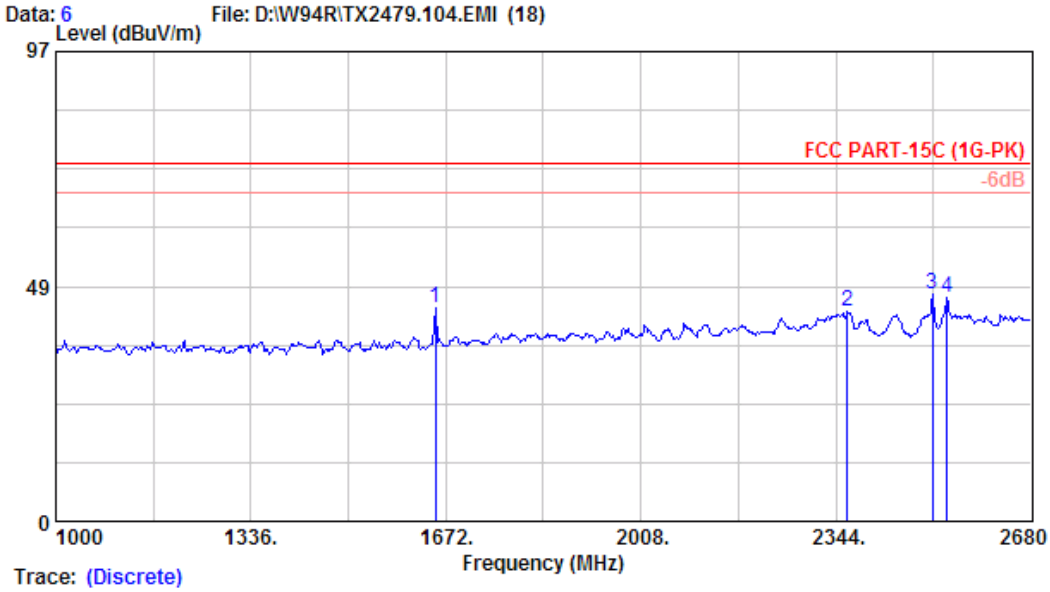


```
Site no.      : A/C Chamber                  Data no.   : 6
Dis. / Ant.   : 3m   3115                    Ant. pol.  : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 22*C/48%              Engineer   : Jarwei Wang
EUT           : Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : TX2479.104MHz
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	1653.520	26.22	3.71	14.24	44.16	74.00	29.84	Peak
2	2364.160	28.55	5.14	9.48	43.17	74.00	30.83	Peak
3	2510.320	28.83	5.25	12.70	46.79	74.00	27.21	Peak
4	2535.520	28.96	5.27	11.99	46.23	74.00	27.77	Peak

```
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
         2. The emission levels that are 20dB below the official
            limit are not reported.
```

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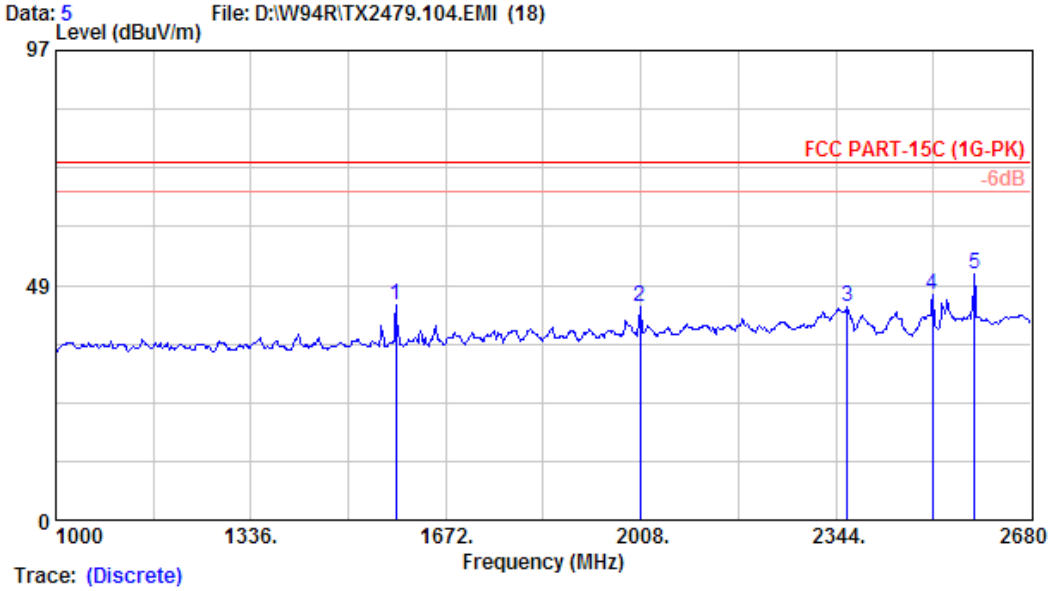

Site no. : A/C Chamber
Dis. / Ant. : 3m 3115
Limit : FCC PART-15C (1G-PK)
Env. / Ins. : 8564EC 22*C/48%
EUT : Receiver M/N:W94-R
Power Rating : 120Vac/60Hz
Test Mode : TX2479.104MHz

Data no. : 5
Ant. pol. : VERTICAL
Engineer : Jarwei Wang

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	1586.320	25.88	3.63	14.99	44.50	74.00	29.50	Peak
2	2006.320	27.81	4.15	12.08	44.04	74.00	29.96	Peak
3	2364.160	28.55	5.14	10.23	43.92	74.00	30.08	Peak
4	2510.320	28.83	5.25	12.33	46.42	74.00	27.58	Peak
5	2582.560	29.15	5.34	16.27	50.75	74.00	23.25	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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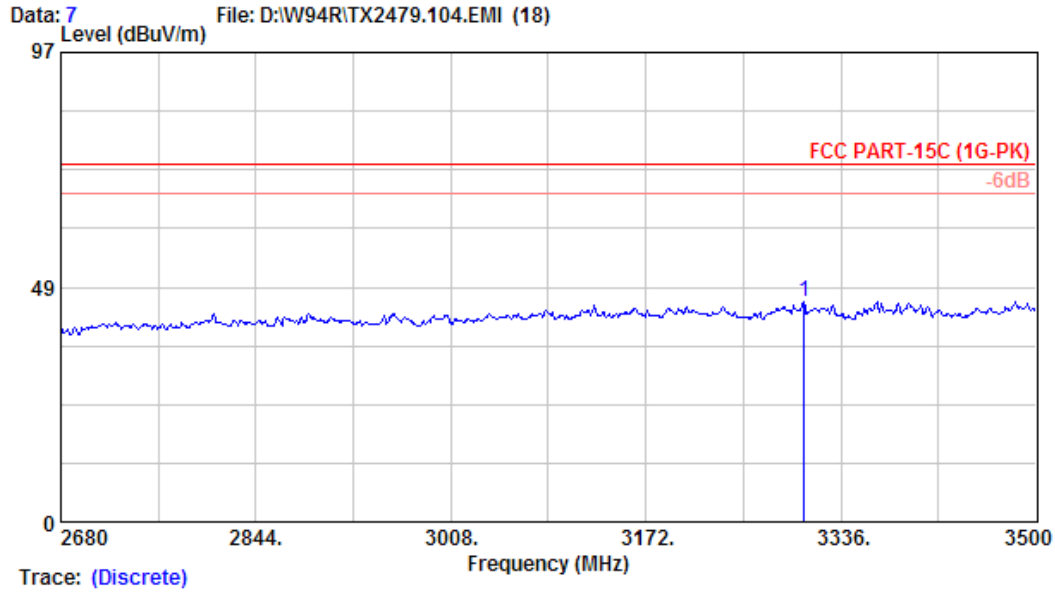

Site no. : A/C Chamber
Dis. / Ant. : 3m 3115
Limit : FCC PART-15C (1G-PK)
Env. / Ins. : 8564EC 22*C/48%
EUT : Receiver M/N:W94-R
Power Rating : 120Vac/60Hz
Test Mode : TX2479.104MHz

Data no. : 7
Ant. pol. : HORIZONTAL
Engineer : Jarwei Wang

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	3304.840	31.38	6.08	8.10	45.56	74.00	28.44	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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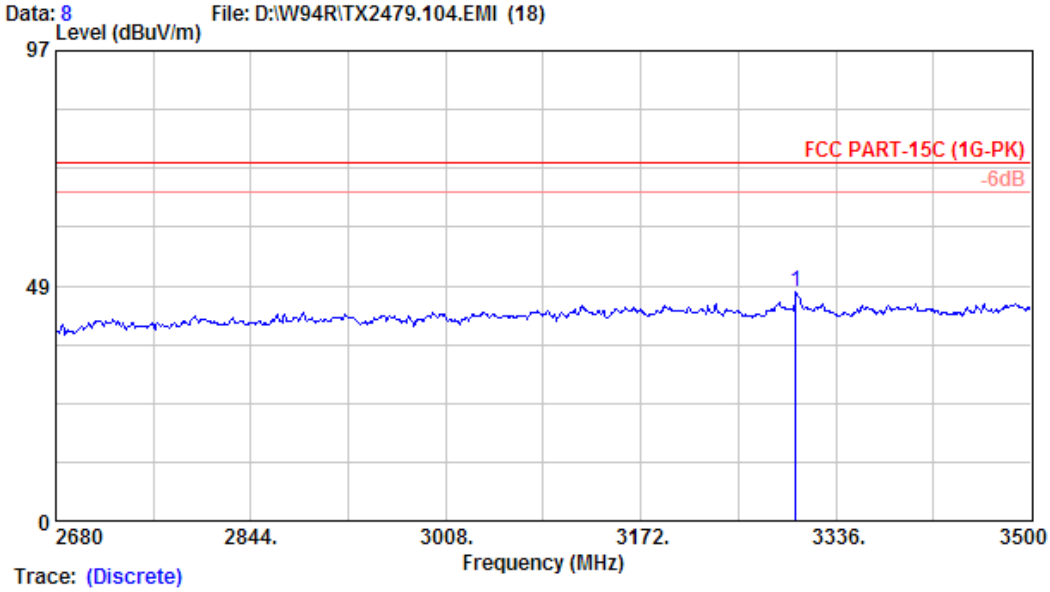
Email:ttemc@ttemc.com.tw




```
Site no.      : A/C Chamber                 Data no.   : 8
Dis. / Ant.   : 3m   3115                   Ant. pol.  : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 22*C/48%             Engineer   : Jarwei Wang
EUT           : Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : TX2479.104MHz
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	3302.380	31.36	6.12	9.70	47.18	74.00	26.82	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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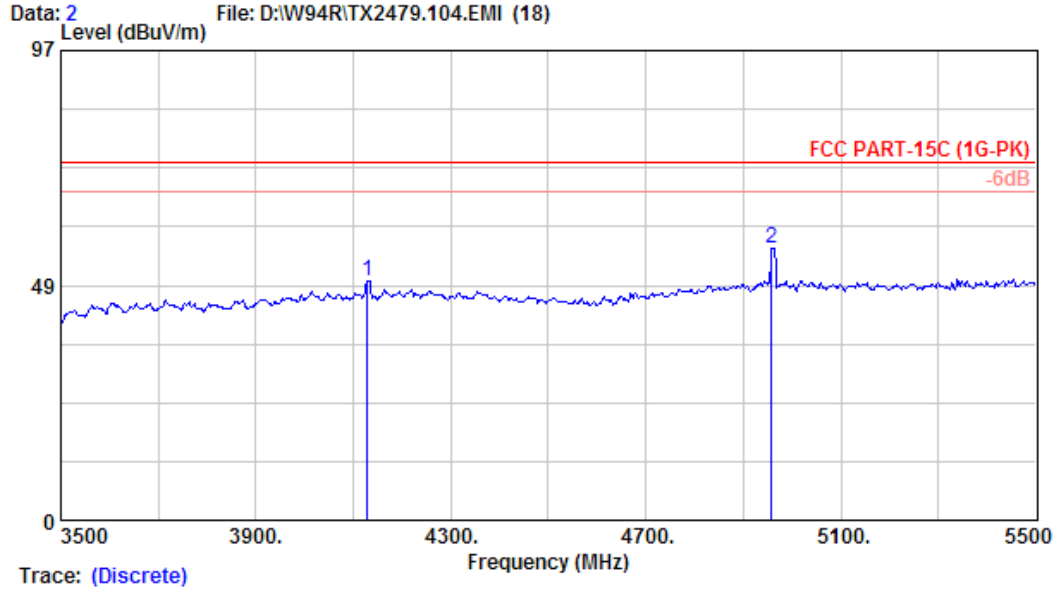

Site no. : A/C Chamber
Dis. / Ant. : 3m 3115
Limit : FCC PART-15C (1G-PK)
Env. / Ins. : 8564EC 22*C/48%
EUT : Receiver M/N:W94-R
Power Rating : 120Vac/60Hz
Test Mode : TX2479.104MHz

Data no. : 2
Ant. pol. : HORIZONTAL
Engineer : Jarwei Wang

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	4128.000	32.87	7.49	9.06	49.42	74.00	24.58	Peak
2	4958.000	33.99	8.84	13.43	56.27	74.00	17.73	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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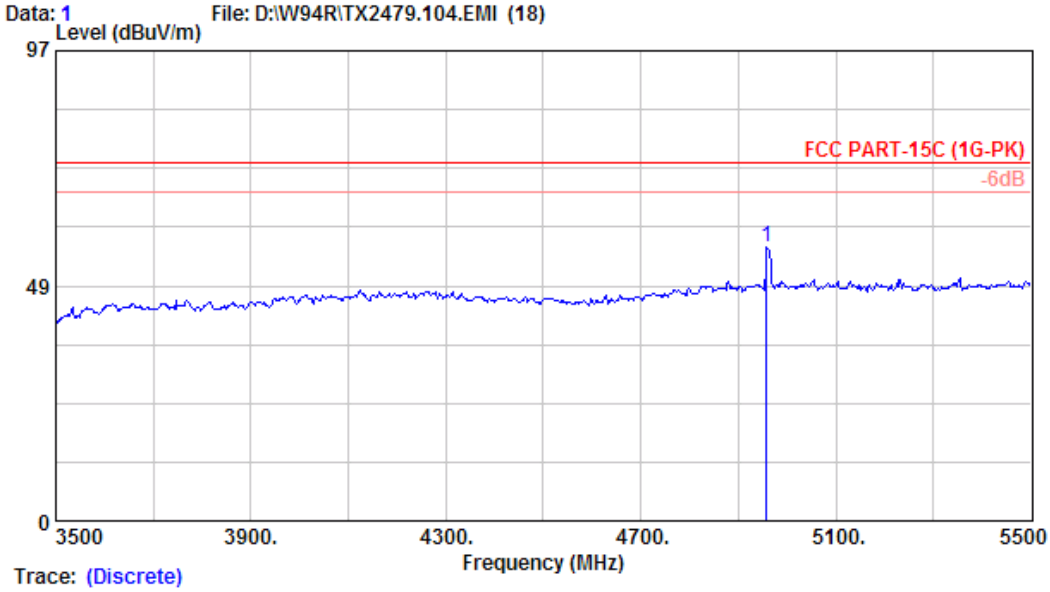


```
Site no.      : A/C Chamber                 Data no.   : 1
Dis. / Ant.   : 3m   3115                   Ant. pol.  : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 22*C/48%             Engineer   : Jarwei Wang
EUT           : Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : TX2479.104MHz
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	4958.000	33.99	8.84	13.68	56.52	74.00	17.48	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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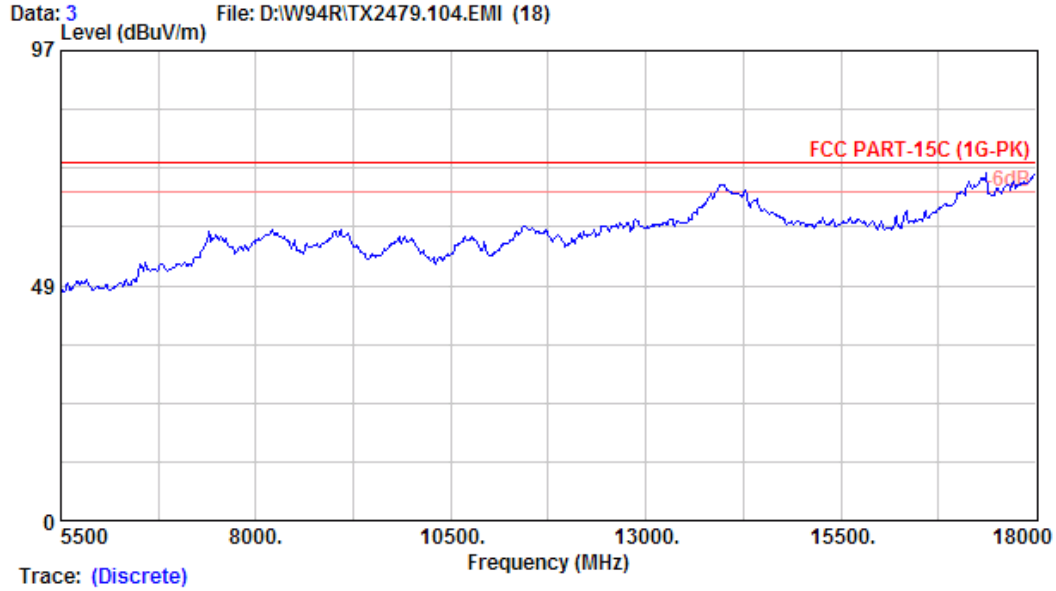
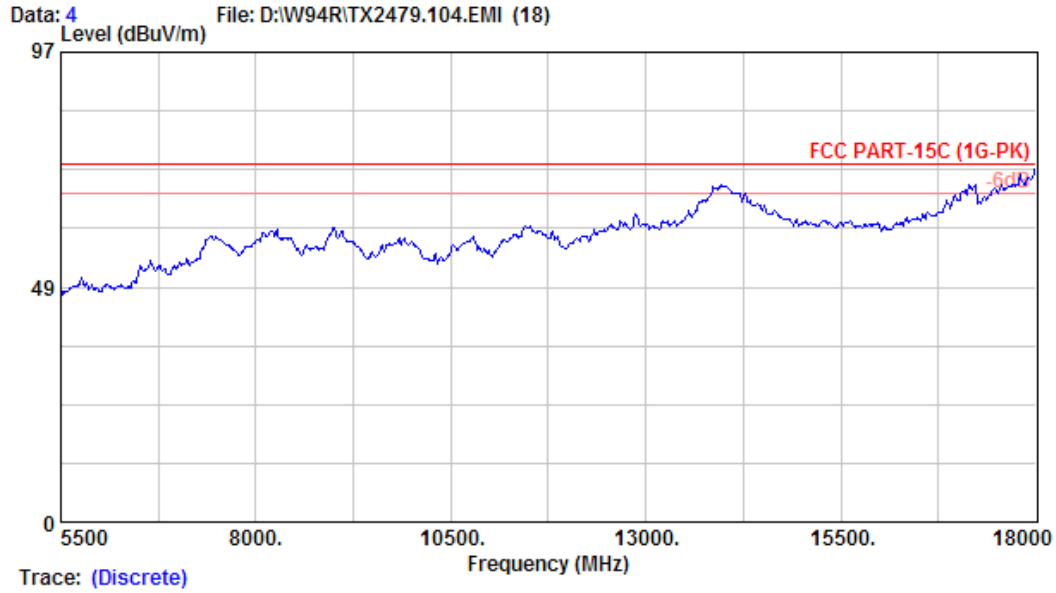



```
Site no.      : A/C Chamber                 Data no.   : 3
Dis. / Ant.   : 3m   3115                   Ant. pol.  : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 22*C/48%             Engineer   : Jarwei Wang
EUT           : Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : TX2479.104MHz
```




```
Site no.      : A/C Chamber                 Data no.   : 4
Dis. / Ant.   : 3m   3115                   Ant. pol.  : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 22*C/48%             Engineer   : Jarwei Wang
EUT           : Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : TX2479.104MHz
```

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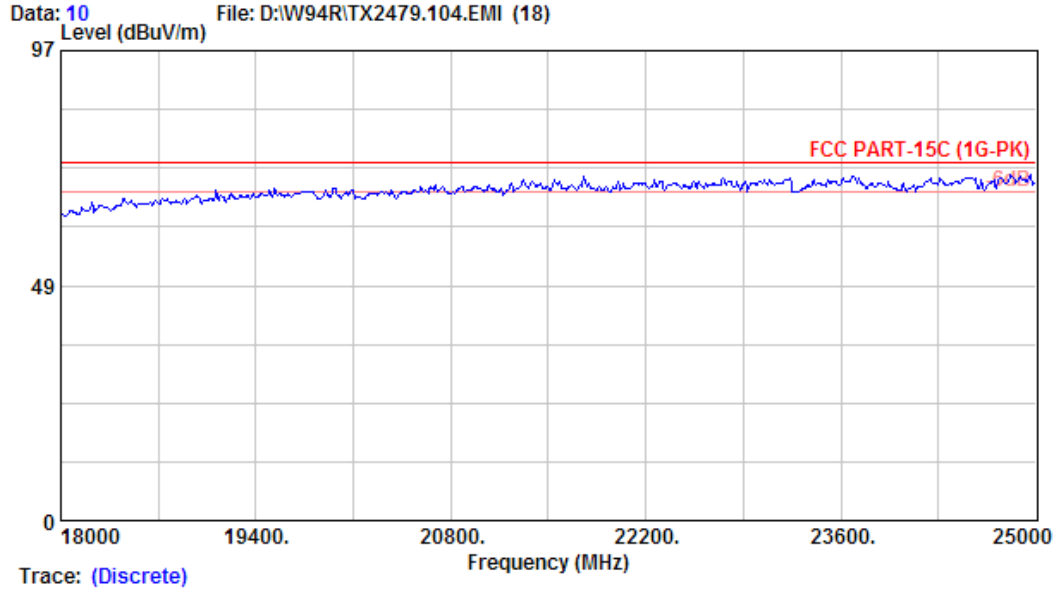
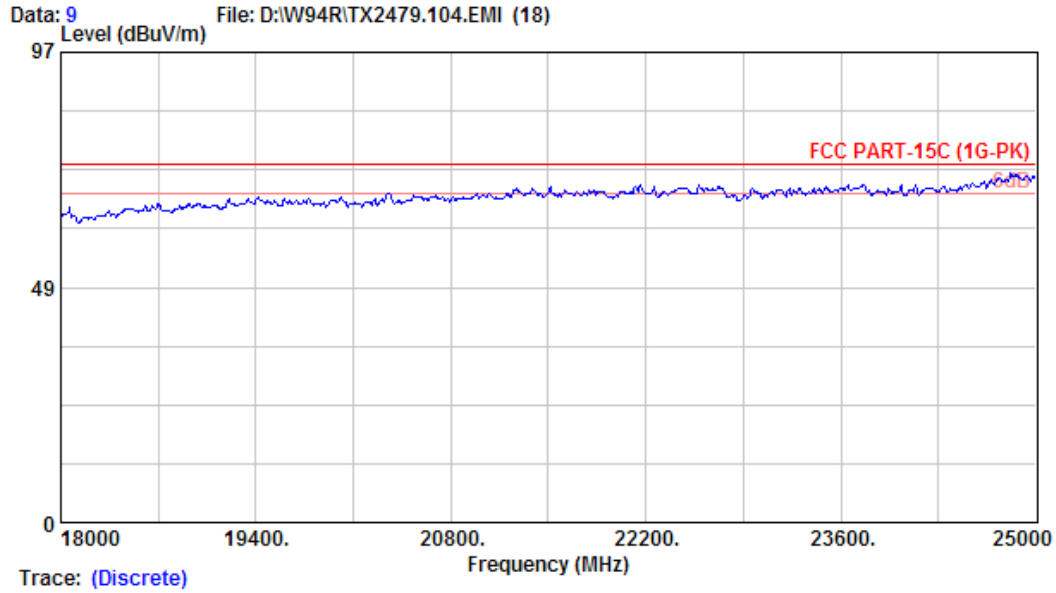



```
Site no.      : site                          Data no.   : 10
Dis. / Ant.   : 3m    3116                    Ant. pol.  : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 22*C/48%               Engineer   : Jarwei Wang
EUT           : Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : TX2479.104MHz
```




```
Site no.      : site                          Data no.   : 9
Dis. / Ant.   : 3m    3116                    Ant. pol.  : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 22*C/48%               Engineer   : Jarwei Wang
EUT           : Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : TX2479.104MHz
```

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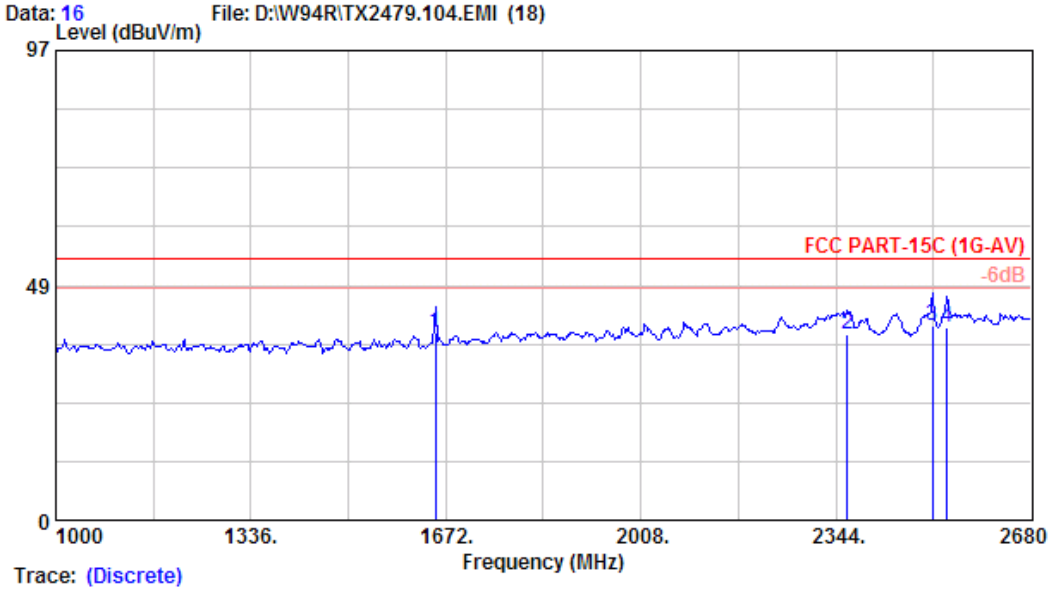


```
Site no.      : A/C Chamber                 Data no.   : 16
Dis. / Ant.   : 3m   3115                   Ant. pol.  : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 22*C/48%             Engineer   : Jarwei Wang
EUT           : Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : TX2479.104MHz
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	1653.520	26.22	3.71	8.70	38.62	54.00	15.38	Average
2	2364.160	28.55	5.14	4.83	38.52	54.00	15.48	Average
3	2510.320	28.83	5.25	6.02	40.10	54.00	13.90	Average
4	2535.520	28.96	5.27	5.61	39.84	54.00	14.16	Average

```
Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
         2. The emission levels that are 20dB below the official
            limit are not reported.
```

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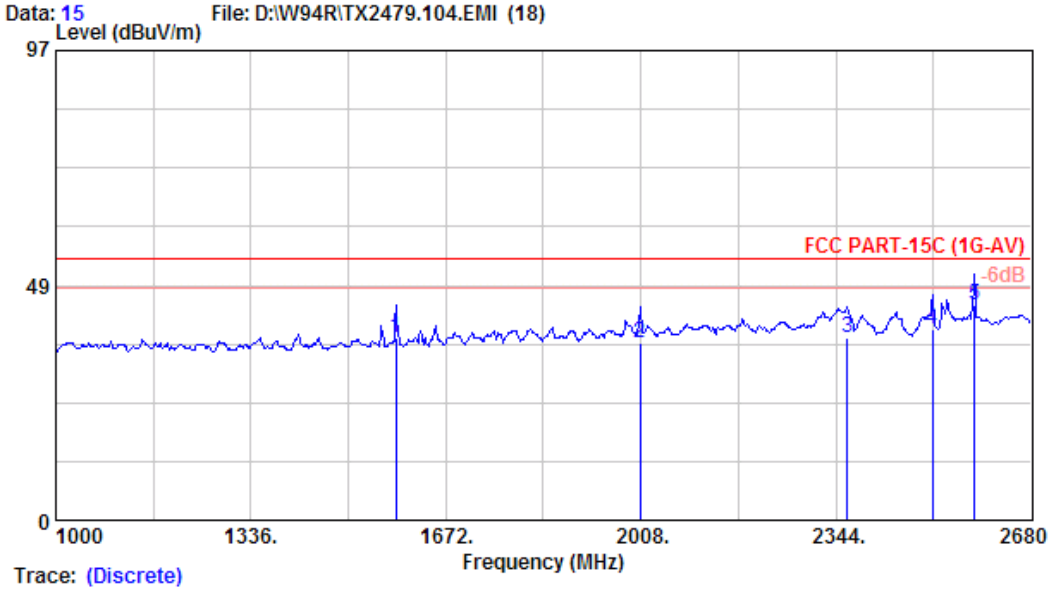

Site no. : A/C Chamber
Dis. / Ant. : 3m 3115
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : 8564EC 22*C/48%
EUT : Receiver M/N:W94-R
Power Rating : 120Vac/60Hz
Test Mode : TX2479.104MHz

Data no. : 15
Ant. pol. : VERTICAL
Engineer : Jarwei Wang

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	1586.320	25.88	3.63	8.00	37.51	54.00	16.49	Average
2	2006.320	27.81	4.15	4.57	36.53	54.00	17.47	Average
3	2364.160	28.55	5.14	3.95	37.64	54.00	16.36	Average
4	2510.320	28.83	5.25	5.49	39.57	54.00	14.43	Average
5	2582.560	29.15	5.34	9.78	44.27	54.00	9.73	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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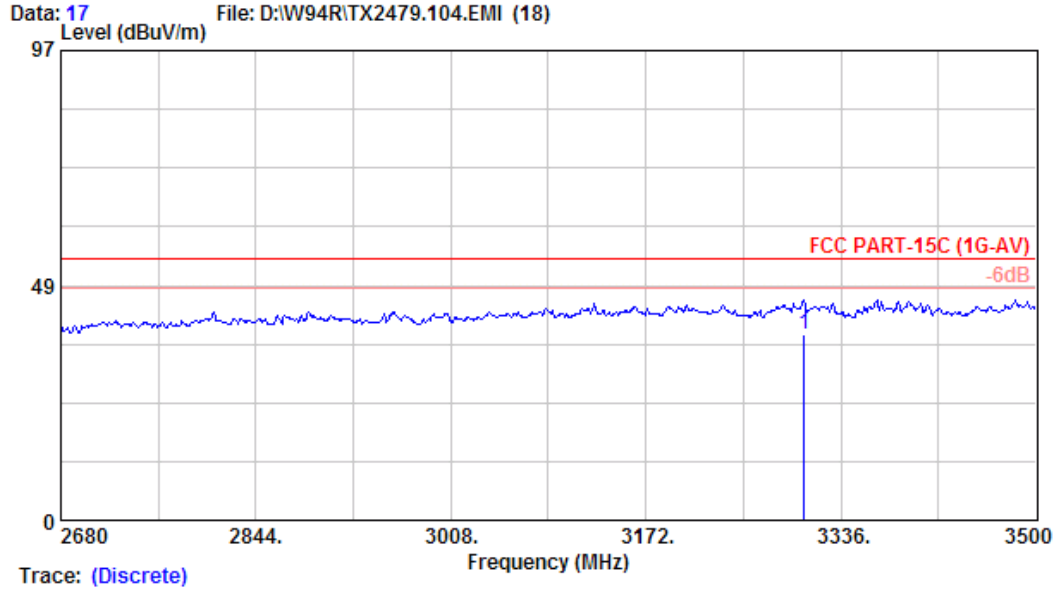


```
Site no.      : A/C Chamber                 Data no.   : 17
Dis. / Ant.   : 3m   3115                   Ant. pol.  : HORIZONTAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 22*C/48%             Engineer   : Jarwei Wang
EUT           : Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : TX2479.104MHz
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	3304.840	31.38	6.08	1.02	38.47	54.00	15.53	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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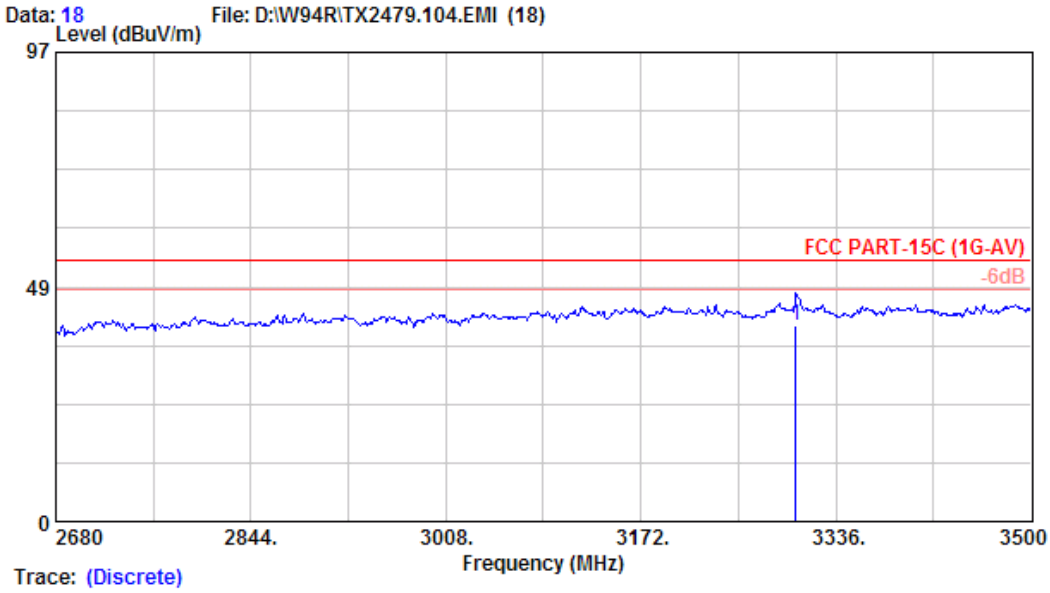

Site no. : A/C Chamber
Dis. / Ant. : 3m 3115
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : 8564EC 22*C/48%
EUT : Receiver M/N:W94-R
Power Rating : 120Vac/60Hz
Test Mode : TX2479.104MHz

Data no. : 18
Ant. pol. : VERTICAL
Engineer : Jarwei Wang

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	3302.380	31.36	6.12	3.04	40.52	54.00	13.48	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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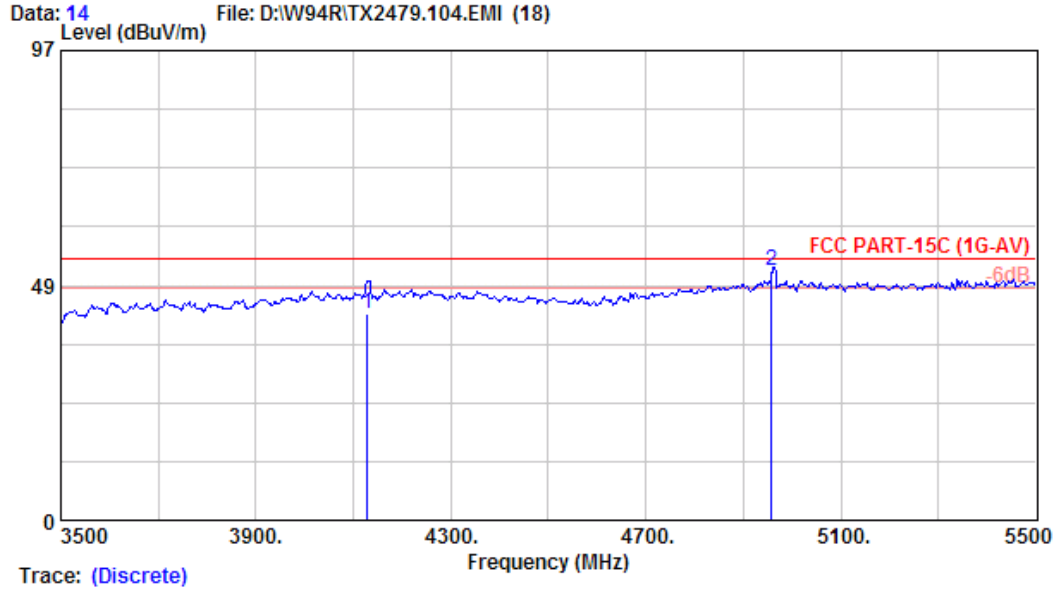

Site no. : A/C Chamber
Dis. / Ant. : 3m 3115
Limit : FCC PART-15C (1G-AV)
Env. / Ins. : 8564EC 22*C/48%
EUT : Receiver M/N:W94-R
Power Rating : 120Vac/60Hz
Test Mode : TX2479.104MHz

Data no. : 14
Ant. pol. : HORIZONTAL
Engineer : Jarwei Wang

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	4128.000	32.87	7.49	2.21	42.57	54.00	11.43	Average
2	4958.000	33.99	8.84	8.63	51.47	54.00	2.53	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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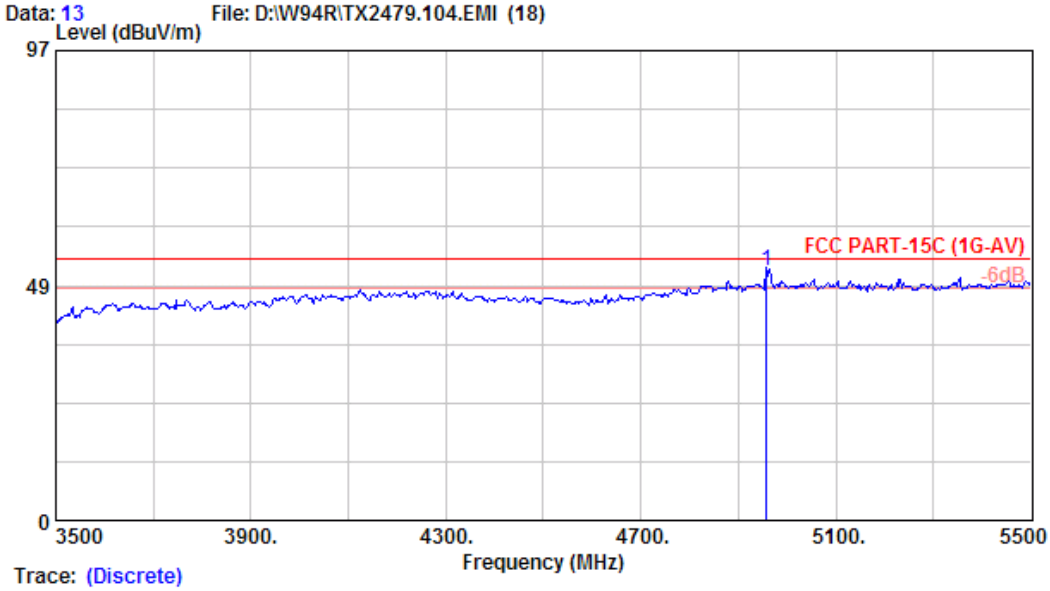


```
Site no.      : A/C Chamber                 Data no.   : 13
Dis. / Ant.   : 3m   3115                   Ant. pol.  : VERTICAL
Limit         : FCC PART-15C (1G-AV)
Env. / Ins.   : 8564EC 22*C/48%             Engineer   : Jarwei Wang
EUT           : Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : TX2479.104MHz
```

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	4958.000	33.99	8.84	8.63	51.47	54.00	2.53	Average

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Test Mode: Receiving Mode, Frequency: 2442.240MHz (CH19)

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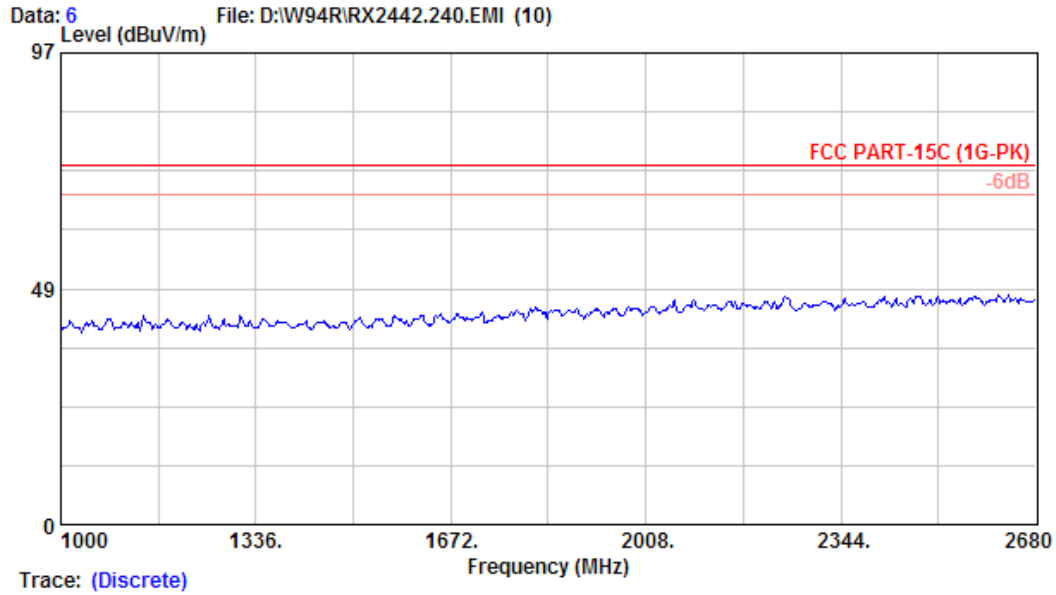


```
Site no.      : A/C Chamber                 Data no.   : 6
Dis. / Ant.   : 3m    3115                  Ant. pol.  : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 22*C/48%             Engineer   : Jarwei Wang
EUT           : Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : RX2442.240MHz
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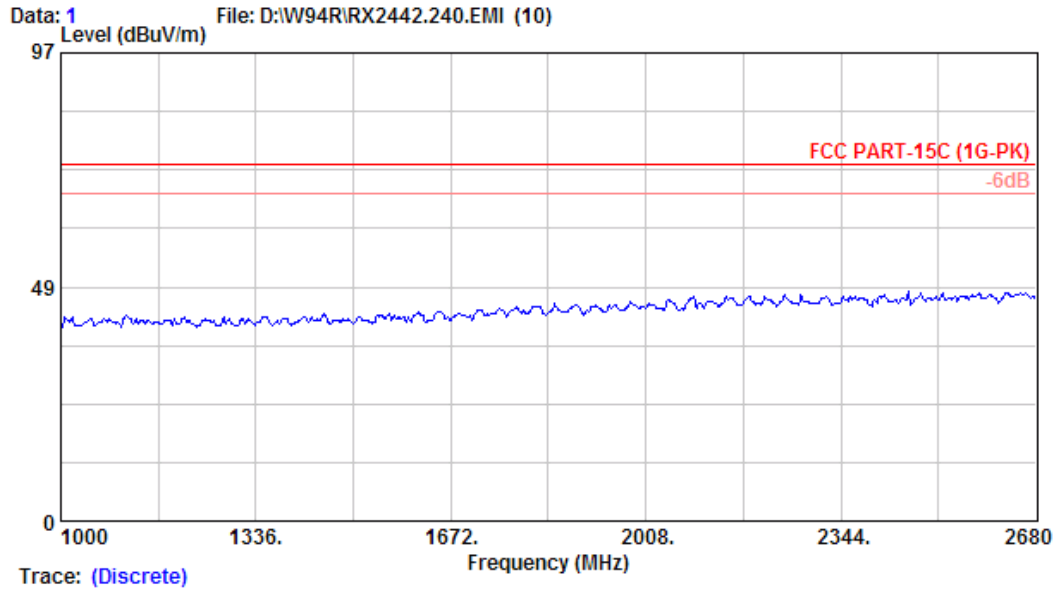


```
Site no.      : A/C Chamber                 Data no.   : 1
Dis. / Ant.   : 3m    3115                  Ant. pol.  : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 22*C/48%             Engineer   : Jarwei Wang
EUT           : Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : RX2442.240MHz
```

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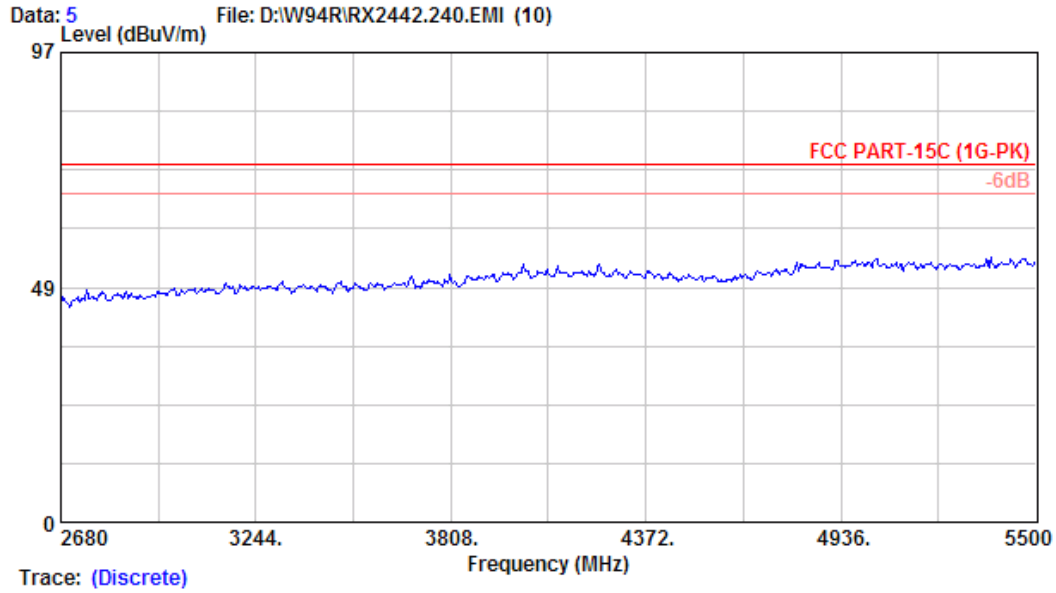
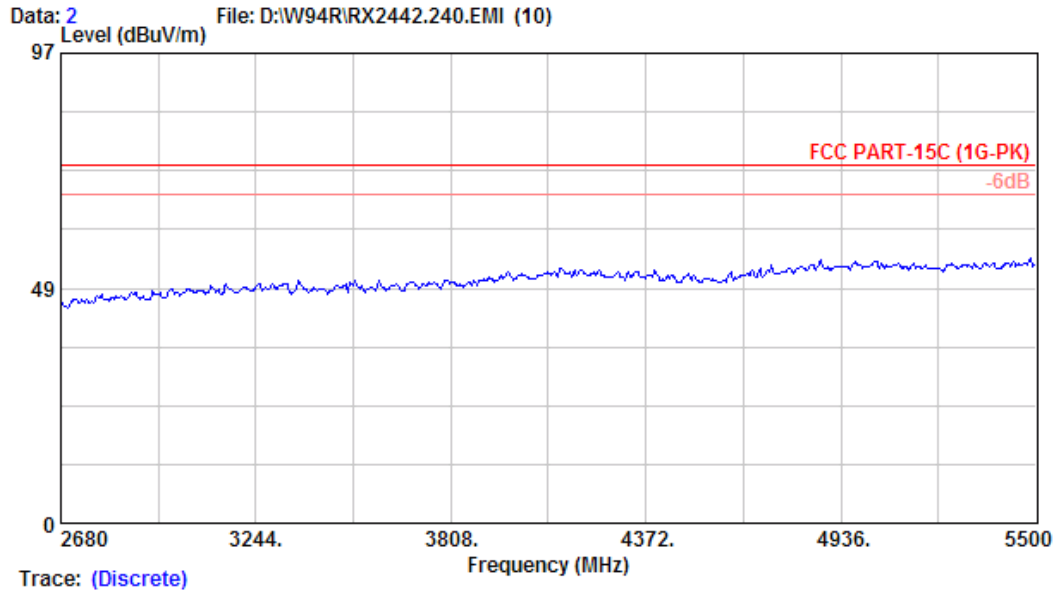



```
Site no.      : A/C Chamber                 Data no.   : 5
Dis. / Ant.   : 3m   3115                   Ant. pol.  : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 22*C/48%             Engineer   : Jarwei Wang
EUT           : Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : RX2442.240MHz
```




```
Site no.      : A/C Chamber                 Data no.   : 2
Dis. / Ant.   : 3m   3115                   Ant. pol.  : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 22*C/48%             Engineer   : Jarwei Wang
EUT           : Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : RX2442.240MHz
```

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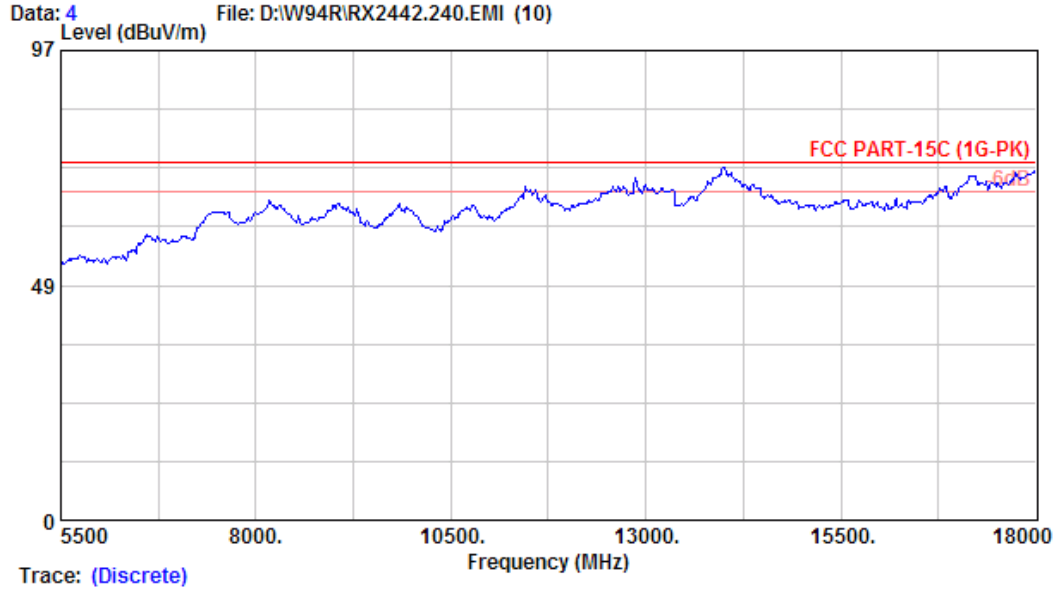


```
Site no.      : A/C Chamber                 Data no.   : 4
Dis. / Ant.   : 3m   3115                   Ant. pol.  : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 22*C/48%             Engineer   : Jarwei Wang
EUT           : Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : RX2442.240MHz
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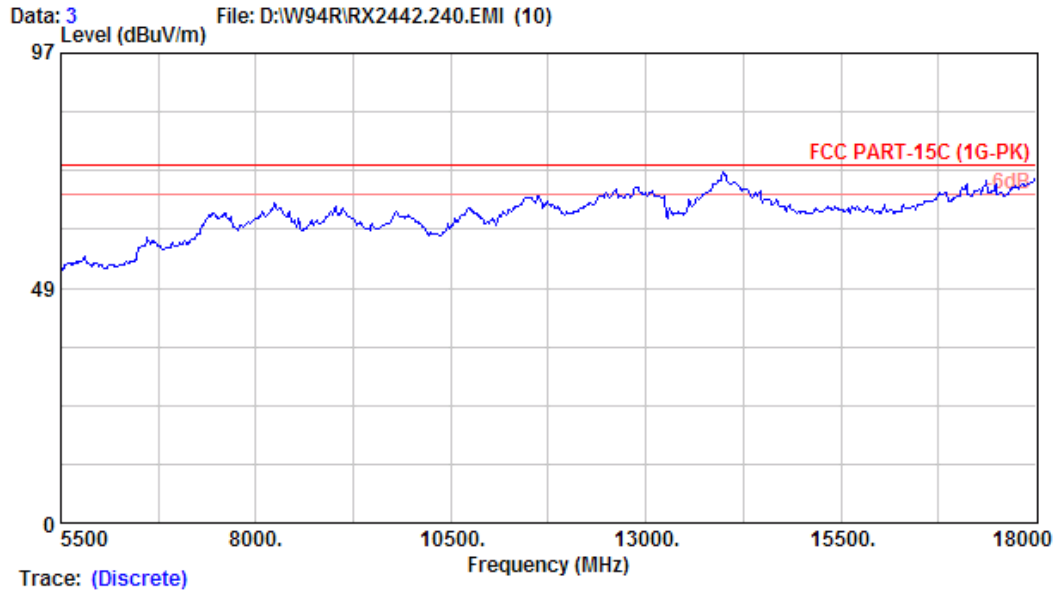


```
Site no.      : A/C Chamber                 Data no.   : 3
Dis. / Ant.   : 3m   3115                   Ant. pol.  : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 22*C/48%             Engineer   : Jarwei Wang
EUT           : Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : RX2442.240MHz
```

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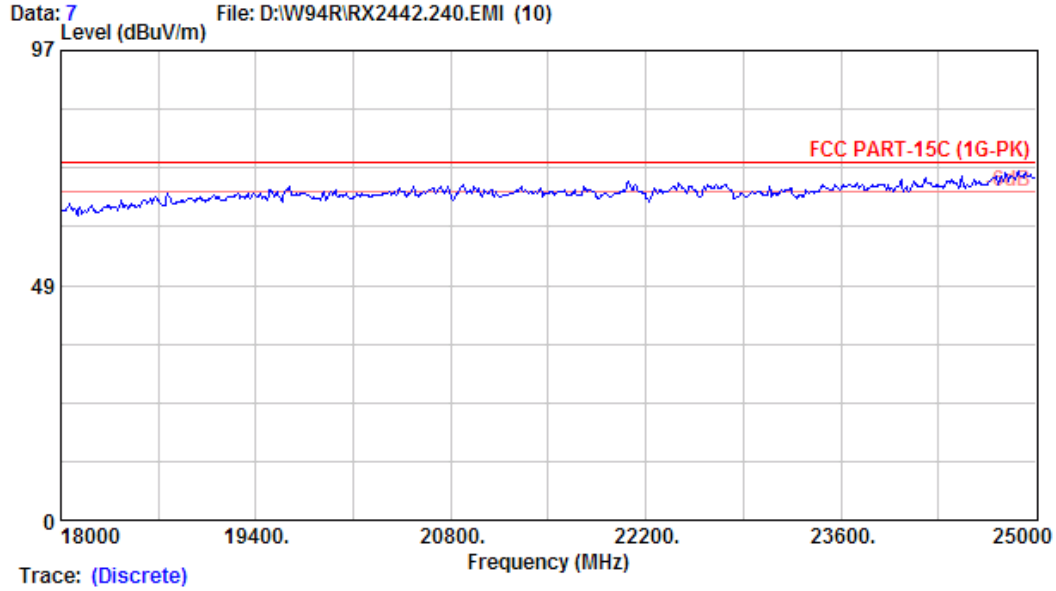


```
Site no.      : site                    Data no.   : 7
Dis. / Ant.   : 3m   3116               Ant. pol.  : HORIZONTAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 22*C/48%         Engineer   : Jarwei Wang
EUT           : Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : RX2442.240MHz
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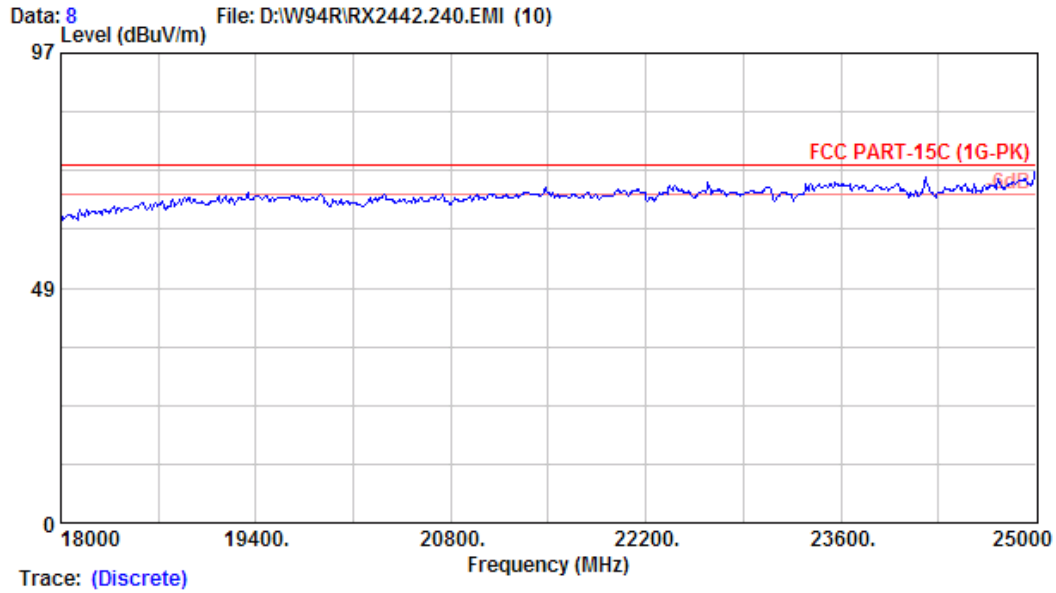



```
Site no.      : site                    Data no.   : 8
Dis. / Ant.   : 3m   3116               Ant. pol.  : VERTICAL
Limit         : FCC PART-15C (1G-PK)
Env. / Ins.   : 8564EC 22*C/48%         Engineer   : Jarwei Wang
EUT           : Receiver M/N:W94-R
Power Rating  : 120Vac/60Hz
Test Mode     : RX2442.240MHz
```

3.6.3.Restricted Bands Measurement Results

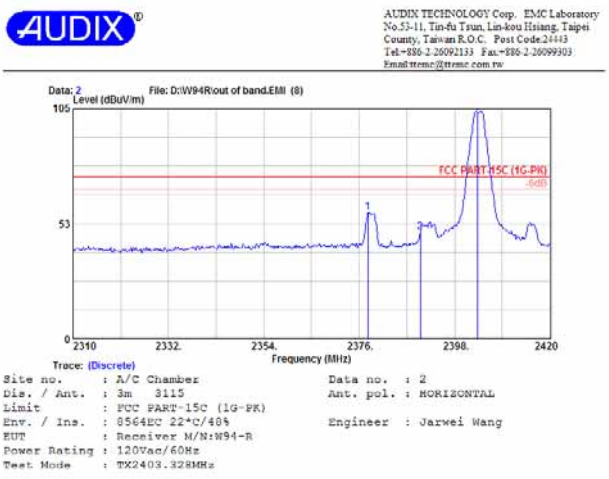
Date of Test： Dec. 01, 2008 Temperature： 22℃

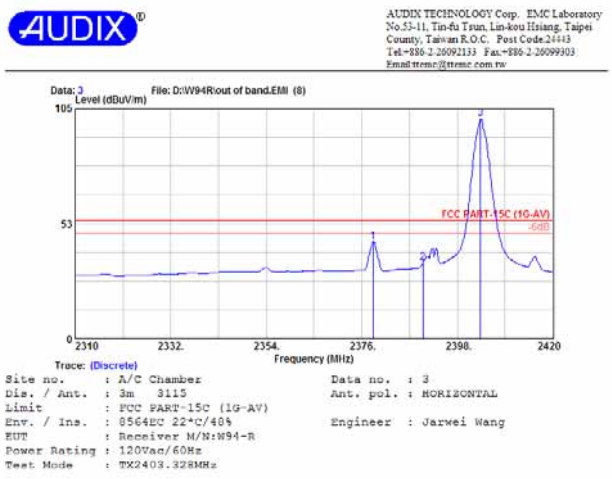
EUT： Receiver (Transmitter) Humidity： 48%

Test Mode： Transmitting Mode, Frequency: 2403.328MHz (CH0) Test Voltage： AC 120V/60Hz

	Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dBμV	Meter Reading Horizontal dBμV/m	Emission Level Horizontal dBμV/m	Limits dB	Margin
Peak *	2378.090	28.58	5.18	23.86	57.62	74.00	16.38
Average *	2378.640	28.58	5.18	10.29	44.05	54.00	9.95

Remark ： 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
2. Low frequency section (spurious in the restricted band 2310-2420MHz).
3. '*' The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.

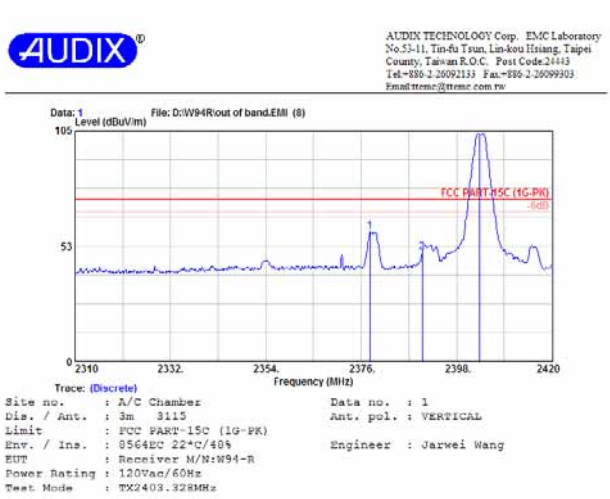


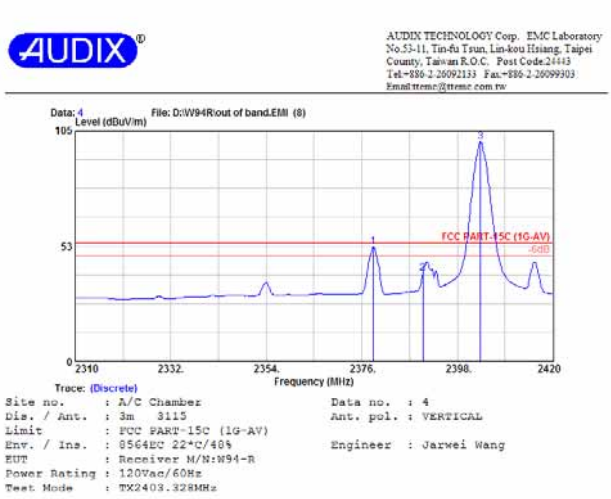


Date of Test：	Dec. 01, 2008	Temperature：	22℃
EUT：	Receiver (Transmitter)	Humidity：	48%
Test Mode：	Transmitting Mode, Frequency: 2403.328MHz (CH0)	Test Voltage：	AC 120V/60Hz

	Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dBμV	Meter Reading Vertical dBμV/m	Emission Level Vertical dBμV/m	Limits dB	Margin
Peak *	2378.090	28.58	5.18	25.40	59.16	74.00	14.84
Average *	2378.640	28.58	5.18	18.23	51.99	54.00	2.01

Remark ： 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
2. Low frequency section (spurious in the restricted band 2310-2420MHz).
3. '*' The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.

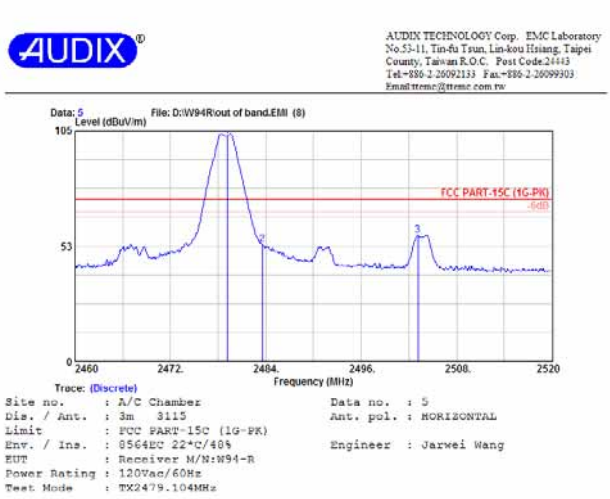


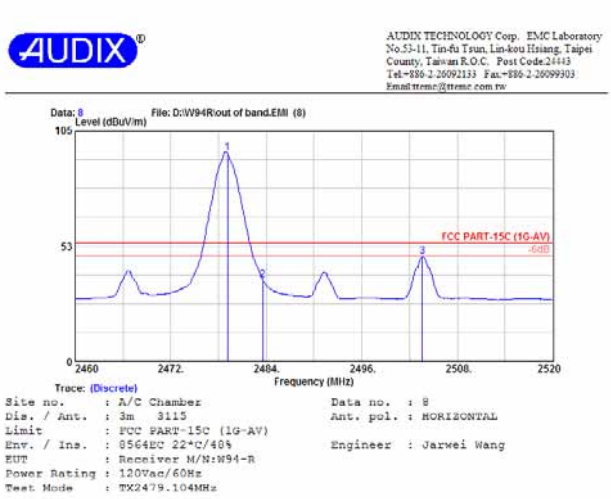


Date of Test：	Dec. 01, 2008	Temperature：	22℃
EUT：	Receiver (Transmitter)	Humidity：	48%
Test Mode：	Transmitting Mode, Frequency: 2479.104MHz (CH37)	Test Voltage：	AC 120V/60Hz

	Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dBμV	Meter Reading Horizontal dBμV/m	Emission Level Horizontal dBμV/m	Limits dB	Margin
Peak *	2483.580	28.77	5.23	19.08	53.08	74.00	20.92
Average *	2483.580	28.77	5.23	3.08	37.08	54.00	16.92

Remark ： 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
2. Low frequency section (spurious in the restricted band 2460-2520MHz).
3. '*' The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.

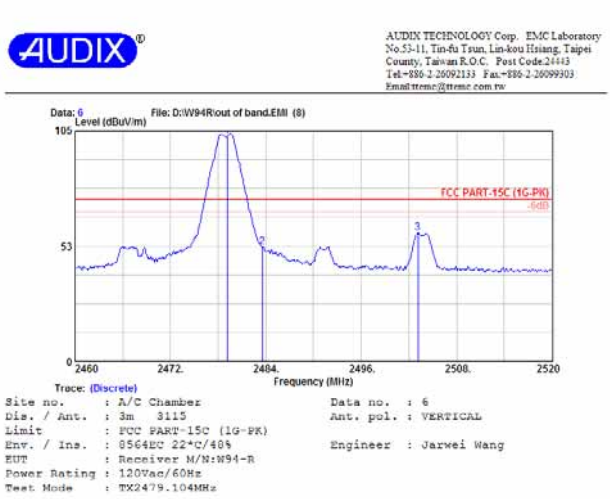


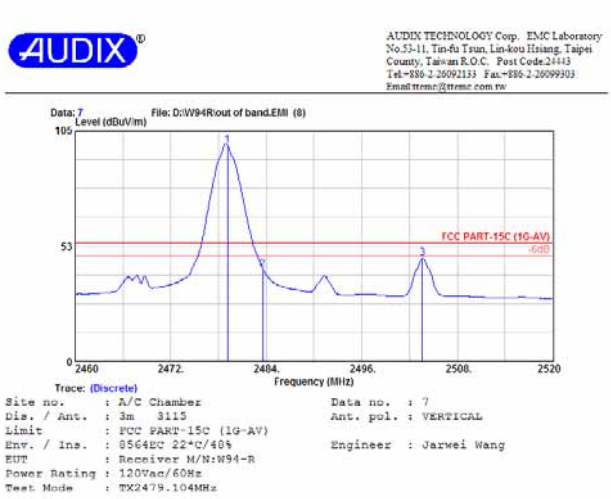


Date of Test：	Dec. 01, 2008	Temperature：	22℃
EUT：	Receiver (Transmitter)	Humidity：	48%
Test Mode：	Transmitting Mode, Frequency: 2479.104MHz (CH37)	Test Voltage：	AC 120V/60Hz

	Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dBμV	Meter Reading Vertical dBμV/m	Emission Level Vertical dBμV/m	Limits dB	Margin
Peak *	2483.580	28.77	5.23	18.02	52.02	74.00	21.98
Average *	2483.580	28.77	5.23	8.07	42.07	54.00	11.93

Remark ： 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
2. Low frequency section (spurious in the restricted band 2460-2520MHz).
3. '*' The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.





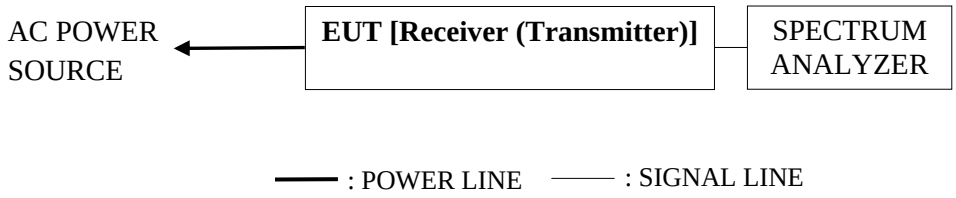
4. 20dB BANDWIDTH MEASUREMENT

4.1. Test Equipment

The following test equipment was used during the 20dB bandwidth measurement:

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	Agilent	E4446A	US44300366	Aug. 07, 08'	Aug. 06, 09'

4.2. Block Diagram of Test Setup



4.3. Specification Limits (§15.247(a)(1))

Alternatively, frequency hopping systems operating in the 2400-2483.5MHz band may have hopping channel carrier frequencies that are separated by 25kHz or two-thirds of the 20dB bandwidth of the hopping channel, whichever is greater.

4.4. Operating Condition of EUT

4.4.1.Setup the EUT and simulator as shown on 4.2.

4.4.2.Turn on the power of all equipment.

4.4.3.EUT [Receiver (Transmitter)] was on transmitting frequency function during the testing.

4.5. Test Procedure (DA 00-705)

The transmitter output was connected to the spectrum analyzer. The bandwidth of the fundamental frequency was measure by spectrum analyzer with 100kHz RBW and 100kHz VBW. The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB.

4.6. Test Results

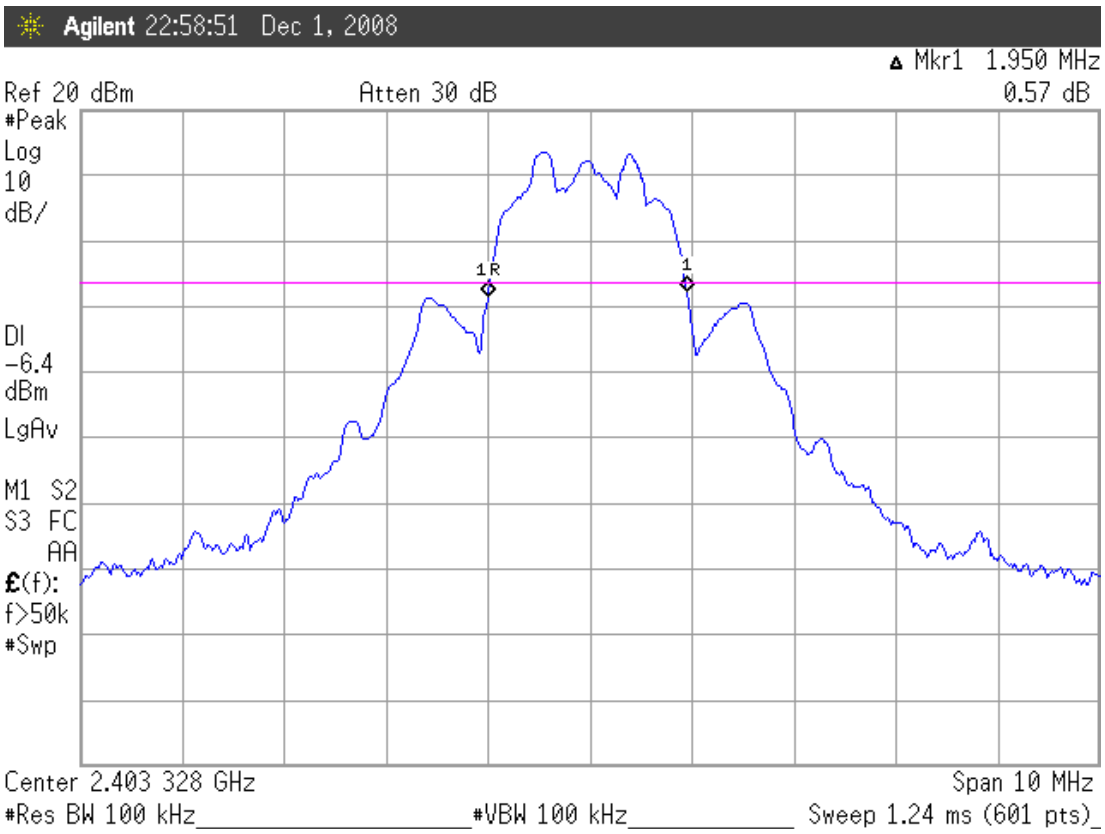
PASSED. All the test results are attached in next pages.

Test Date : Dec. 01, 2008 Temperature : 23 ℃ Humidity : 49 %

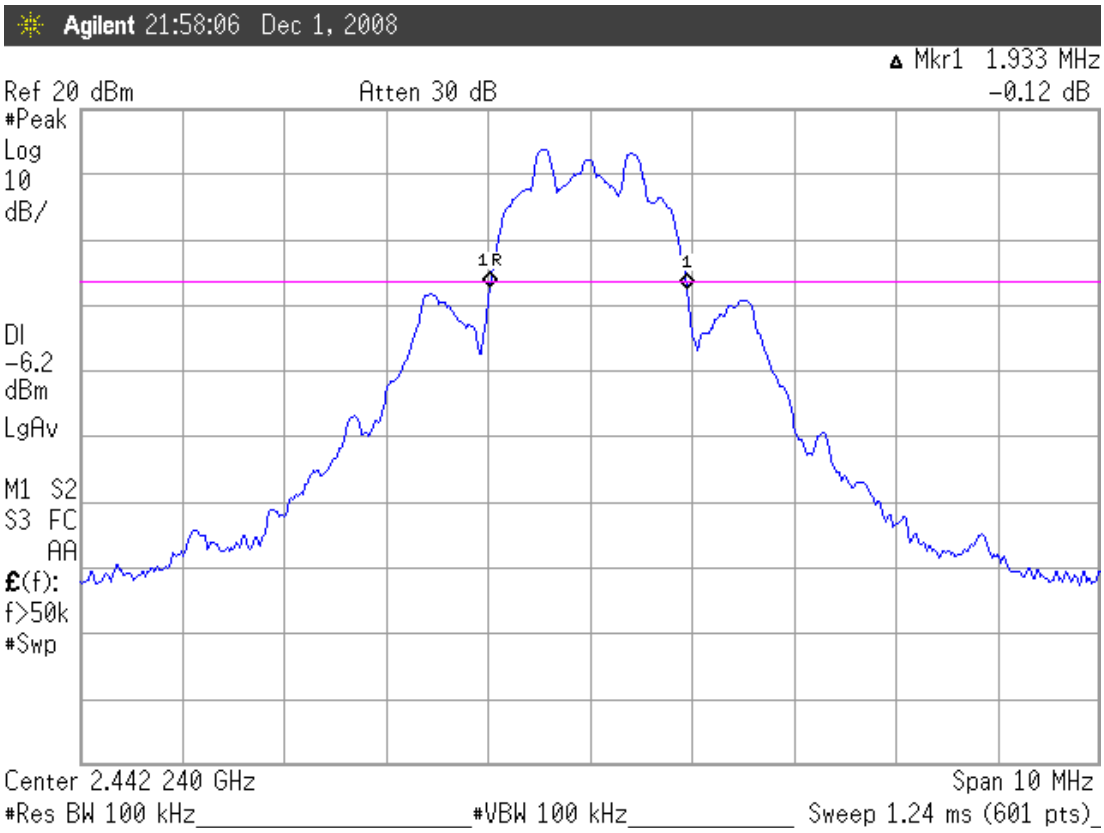
No.	Channel	Test Frequency	**20dB Bandwidth**	**2/3 (20dB Bandwidth)**
1.	0	2403.328MHz	**1.950MHz**	**1.300MHz**
2.	19	2442.240MHz	**1.933MHz**	**1.288MHz**
3.	37	2479.104MHz	**1.917MHz**	**1.278MHz**

The maximum two-thirds of the 20dB bandwidth shall be at maximum 1.288MHz.

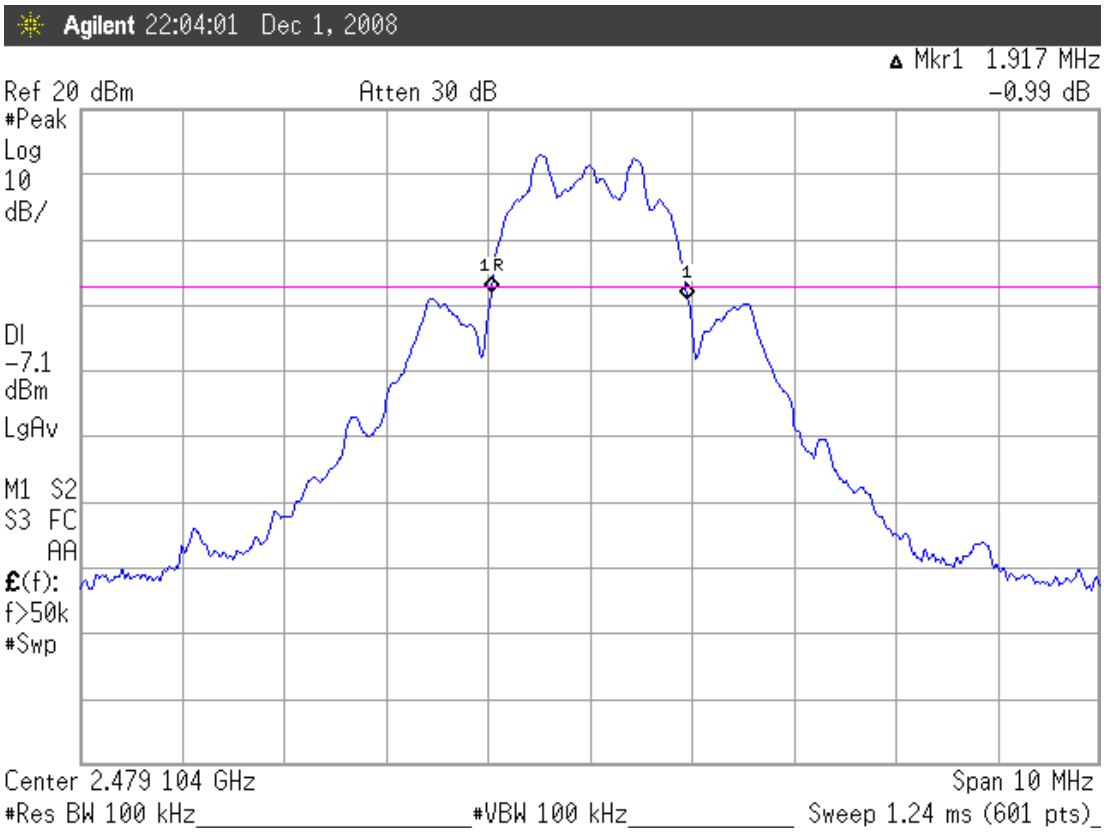
4.6.1.Channel 0, Frequency: 2403.328MHz



4.6.2.Channel 39, Frequency: 2442.240MHz



4.6.3.Channel 78, Frequency: 2479.104MHz



5. CARRIER FREQUENCY SEPARATION MEASUREMENT

5.1. Test Equipment

The following test equipment was used during the carrier frequency separation measurement:

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	Agilent	E4446A	US44300366	Aug. 07, 08'	Aug. 06, 09'

5.2. Block Diagram of Test Setup

The same as section.4.2.

5.3. Specification Limits (§15.247(a)(1))

Alternatively, frequency hopping systems operating in the 2400-2483.5MHz band may have hopping channel carrier frequencies that are separated by 25kHz or two-thirds of the 20dB bandwidth of the hopping channel, whichever is greater.

5.4. Operating Condition of EUT

Same as carrier frequency separation measurement which was listed in section 4.4.

5.5. Test Procedure (DA 00-705)

The transmitter output was connected to the spectrum analyzer. The channel separation was measure by spectrum analyzer with 100kHz RBW and 100kHz VBW. The video bandwidth not to be smaller than resolution bandwidth, the peak was mark on adjacent bandwidth, the between of peak is carrier frequency separation.

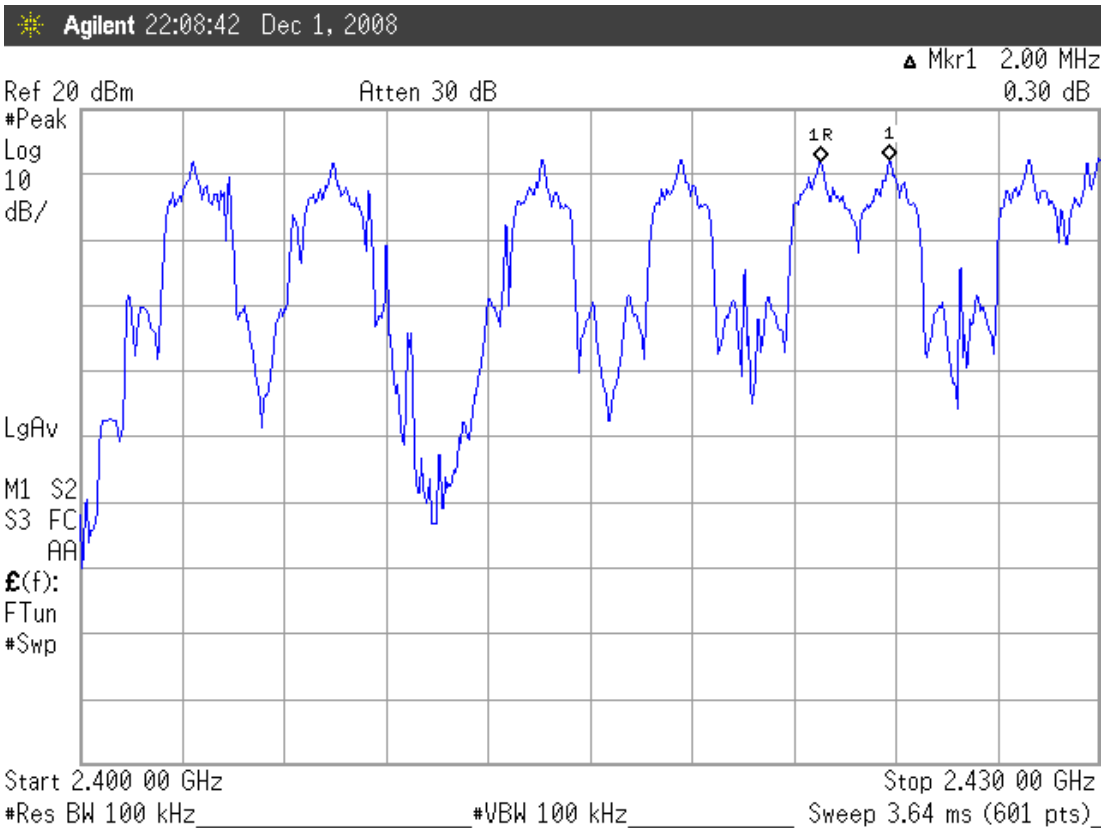
5.6. Test Results

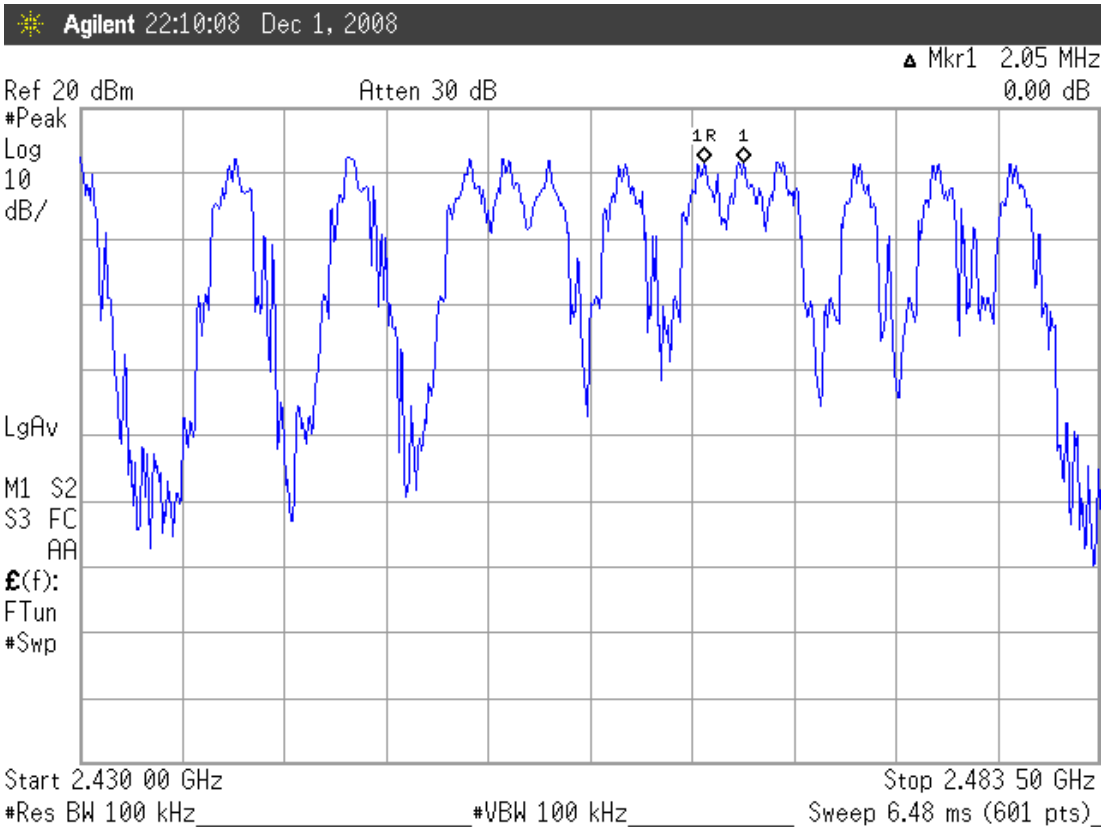
PASSED. All the test results are attached in next pages.

Test Date : Dec. 01, 2008 Temperature : 23 ℃ Humidity : 49 %

The minimum adjacent channel carrier frequency separation: 2.05MHz。

[Above values have met the requirement as specified in section 4.3: frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater.]


Agilent 22:08:42 Dec 1, 2008
Mkr1 2.00 MHz
Ref 20 dBm
Atten 30 dB
0.30 dB
#Peak
Log
10
dB/
1R
1
LgAv
M1 S2
S3 FC
AA
£(f):
FTun
#Swp
Start 2.400 00 GHz
Stop 2.430 00 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 3.64 ms (601 pts)


Agilent 22:10:08 Dec 1, 2008
Mkr1 2.05 MHz
Ref 20 dBm
Atten 30 dB
0.00 dB
#Peak
Log
10
dB/
1R
1
LgAv
M1 S2
S3 FC
AA
£(f):
FTun
#Swp
Start 2.430 00 GHz
Stop 2.483 50 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 6.48 ms (601 pts)

6. TIME OF OCCUPANCY MEASUREMENT

6.1. Test Equipment

The following test equipment was used during the time of occupancy measurement:

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	Agilent	E4446A	US44300366	Aug. 07, 08’	Aug. 06, 09’

6.2. Block Diagram of Test Setup

The same as section.4.2.

6.3. Specification Limits (§15.247(a)(1)(iii))

Frequency hopping systems in the 2400-2483.5MHz shall use at least 15 non-overlapping channels. The average time of occupancy on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by number of hopping channels employed.

6.4. Operating Condition of EUT

Same as carrier frequency separation measurement which was listed in section 4.4.

6.5. Test Procedure (DA 00-705)

The transmitter output was connected to the spectrum analyzer. The bandwidth of the fundamental frequency was measure by spectrum analyzer with 1MHz RBW and 1MHz VBW. VBW≥RBW ; Span=zero span.
Centered on a hopping channel sweep=as necessary to capture the entire dwell time per hopping channel ; Detector function=peak ; Trace=Max hold

6.6. Test Results

PASSED. All the test results are attached in next pages.

Test Date : Dec. 01, 2008 Temperature : 23 ℃ Humidity : 49 %

Duty cycle: 20 channels*0.4 seconds = 8 seconds

Test Frequency: 2403.328MHz

For per second of 10 channels appearance, the longest time of occupancy for each of 8 seconds is:

10 channels*8 seconds* 4.552ms = 364.160ms (<400ms)

Test Frequency: 2442.240MHz

For per second of 10 channels appearance, the longest time of occupancy for each of 8 seconds is:

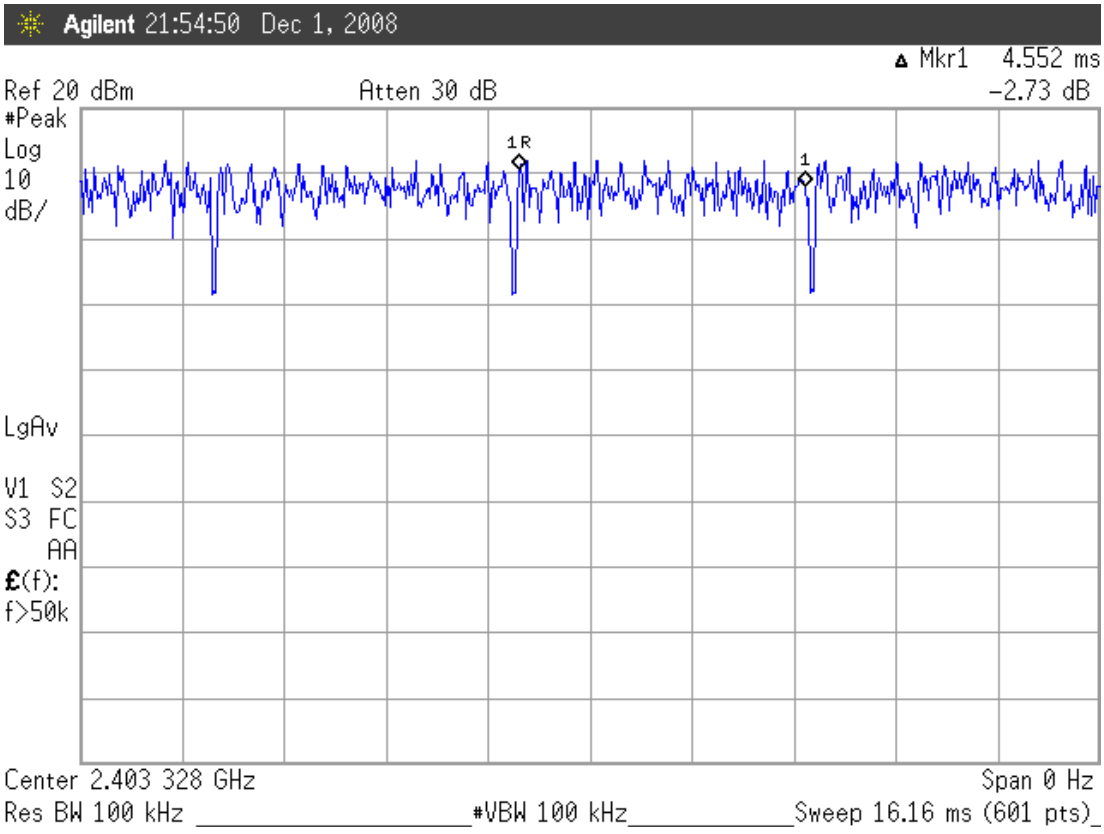
10 channels*8 seconds* 4.552ms = 364.160ms (<400ms)

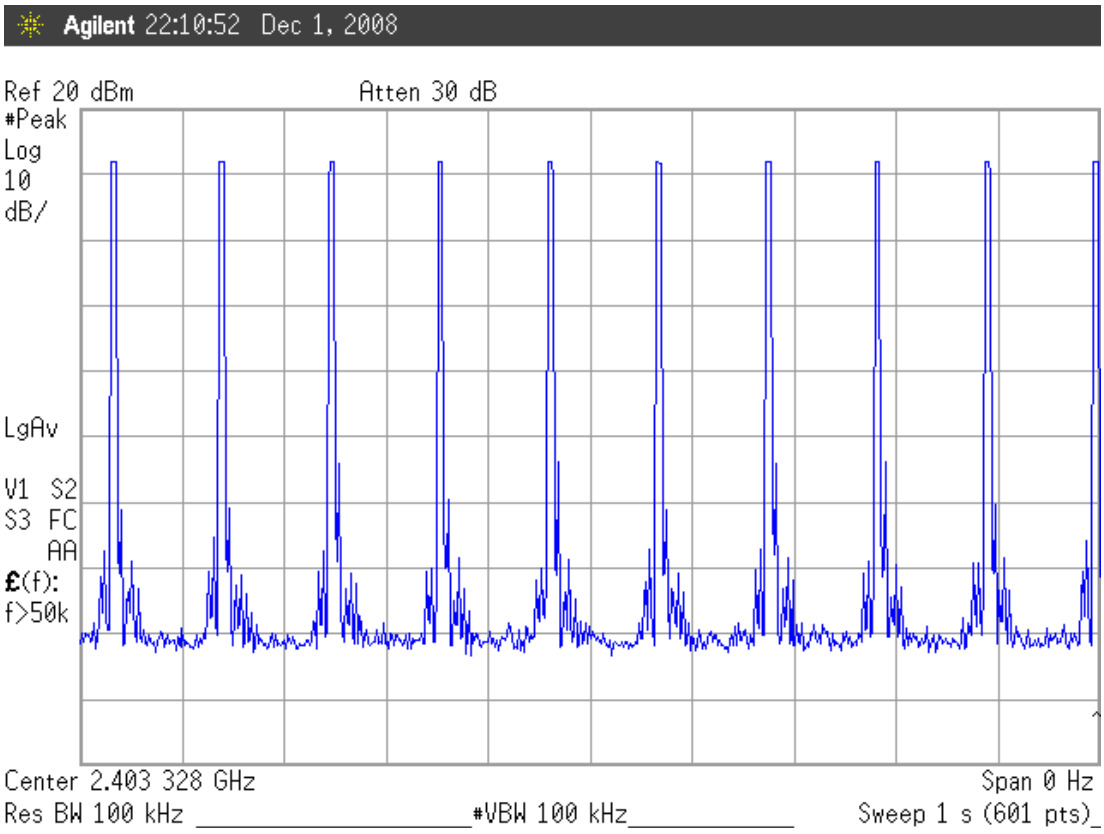
Test Frequency: 2479.104MHz

For per second of 10 channels appearance, the longest time of occupancy for each of 8 seconds is:

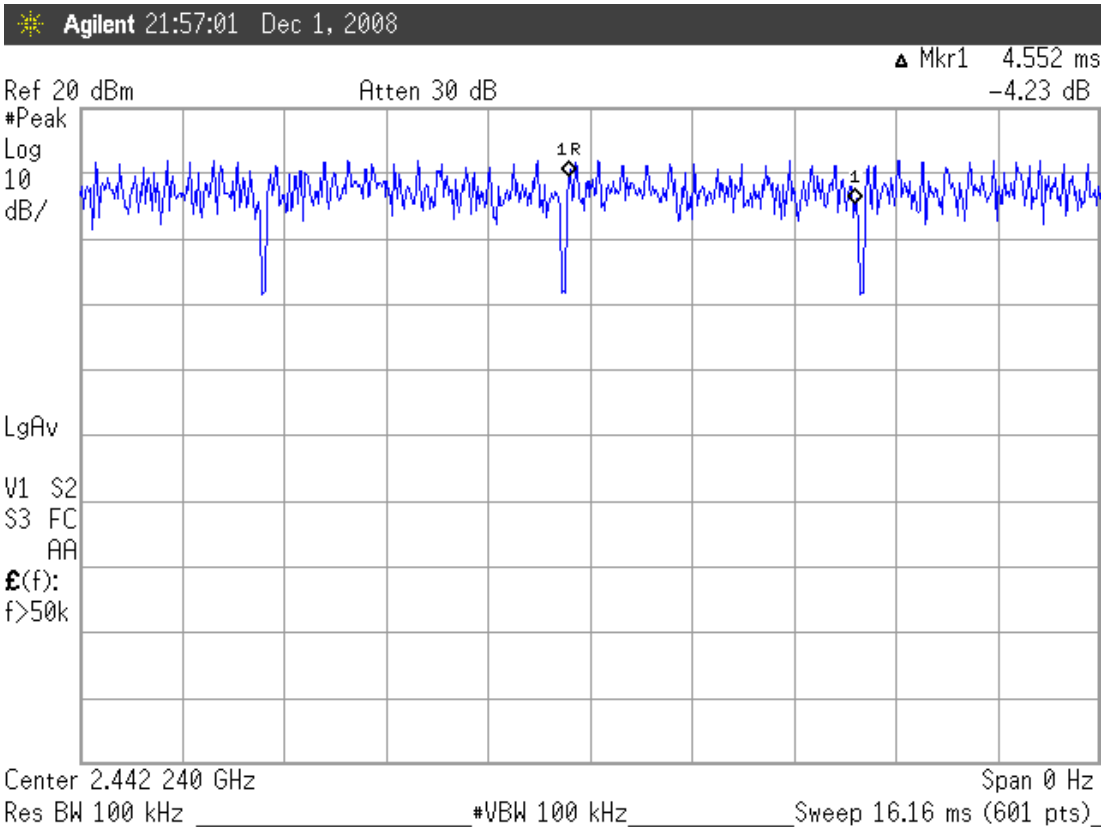
10 channels*8 seconds* 4.514ms = 361.120ms (<400ms)

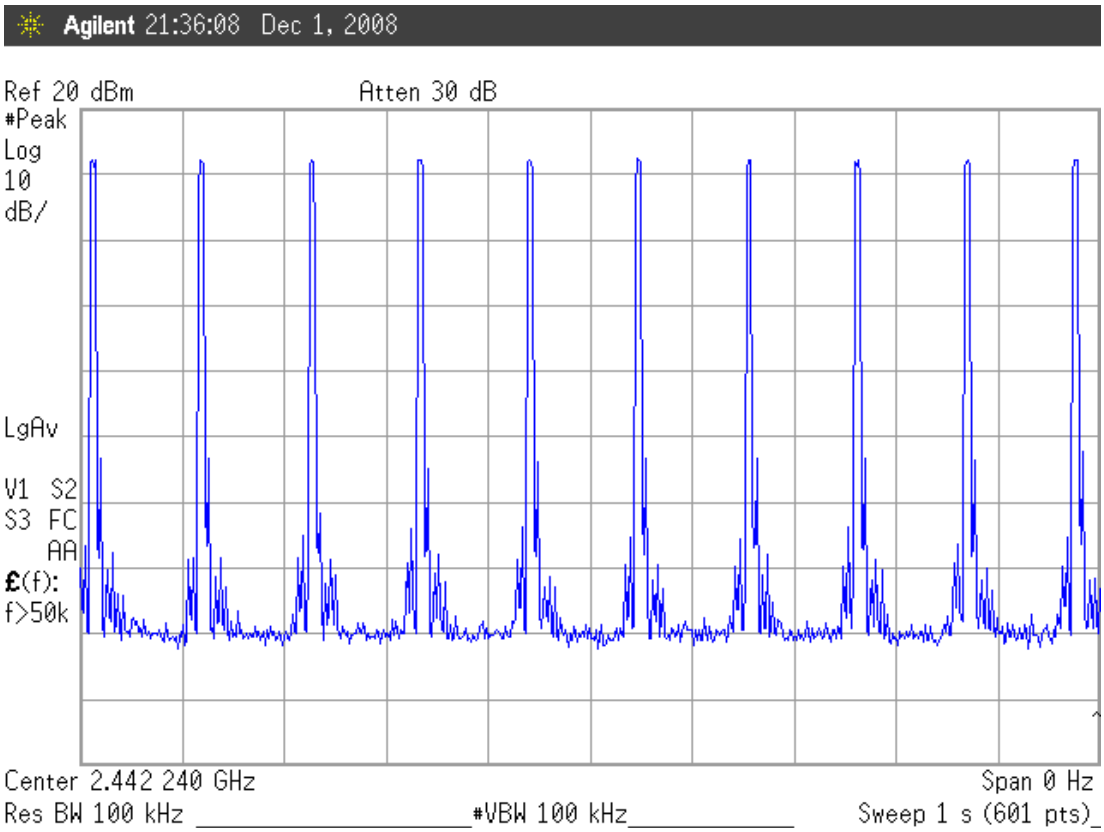
6.6.1.Channel 0, Test Frequency: 2403.328MHz



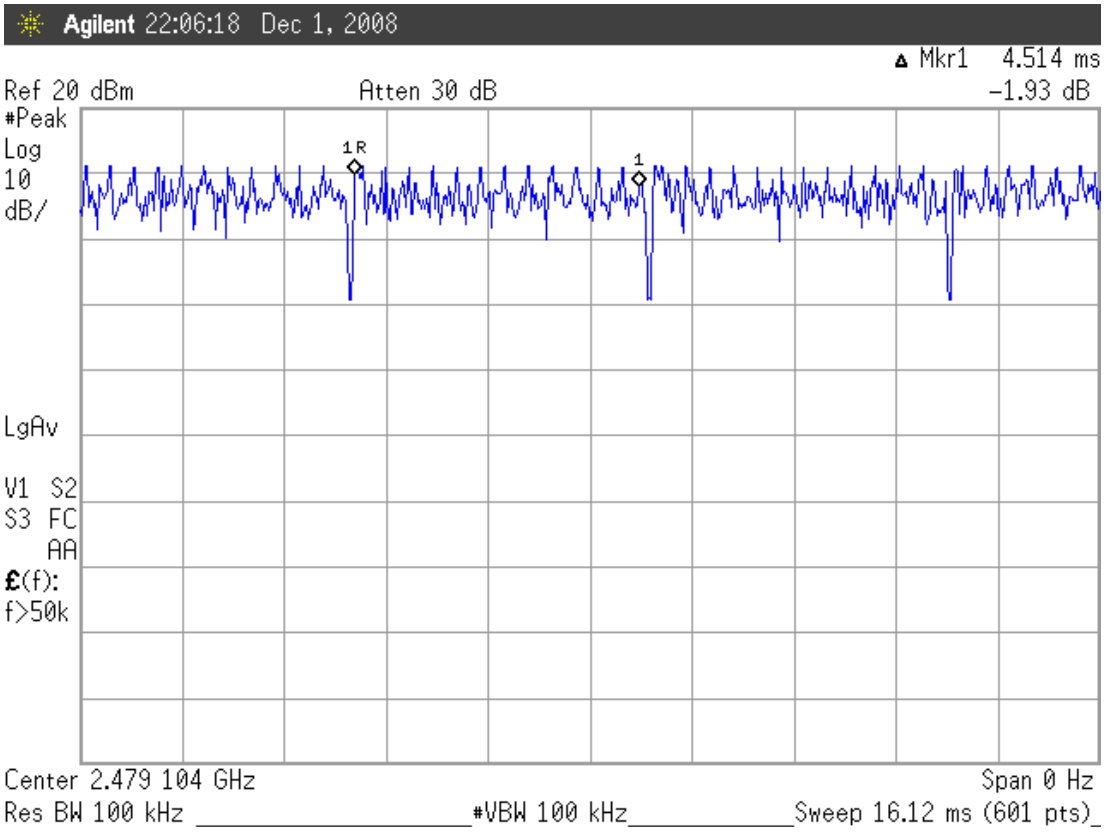


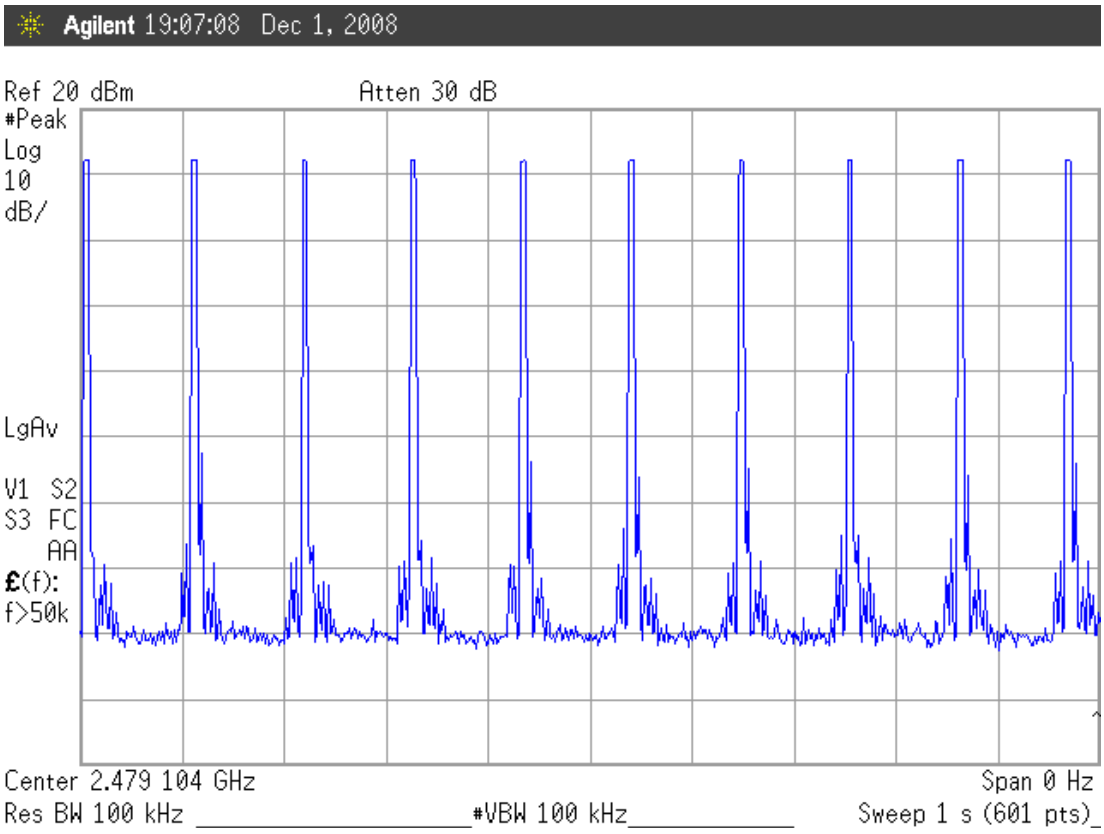
6.6.2.Channel 19, Test Frequency: 2442.240MHz





6.6.3.Channel 37, Test Frequency: 2479.104MHz





7. NUMBER OF HOPPING CHANNELS MEASUREMENT

7.1. Test Equipment

The following test equipment was used during the number of hopping channels measurement:

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	Agilent	E4446A	US44300366	Aug. 07, 08'	Aug. 06, 09'

7.2. Block Diagram of Test Setup

The same as section.4.2.

7.3. Specification Limits (§15.247(a)(1)(iii))

Frequency hopping systems which use fewer than 20 hopping frequencies may employ intelligent hopping techniques to avoid interference to other transmissions. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 non-overlapping channels.

7.4. Operating Condition of EUT

Same as carrier frequency separation measurement which was listed in section 4.4.

7.5. Test Procedure (DA 00-705)

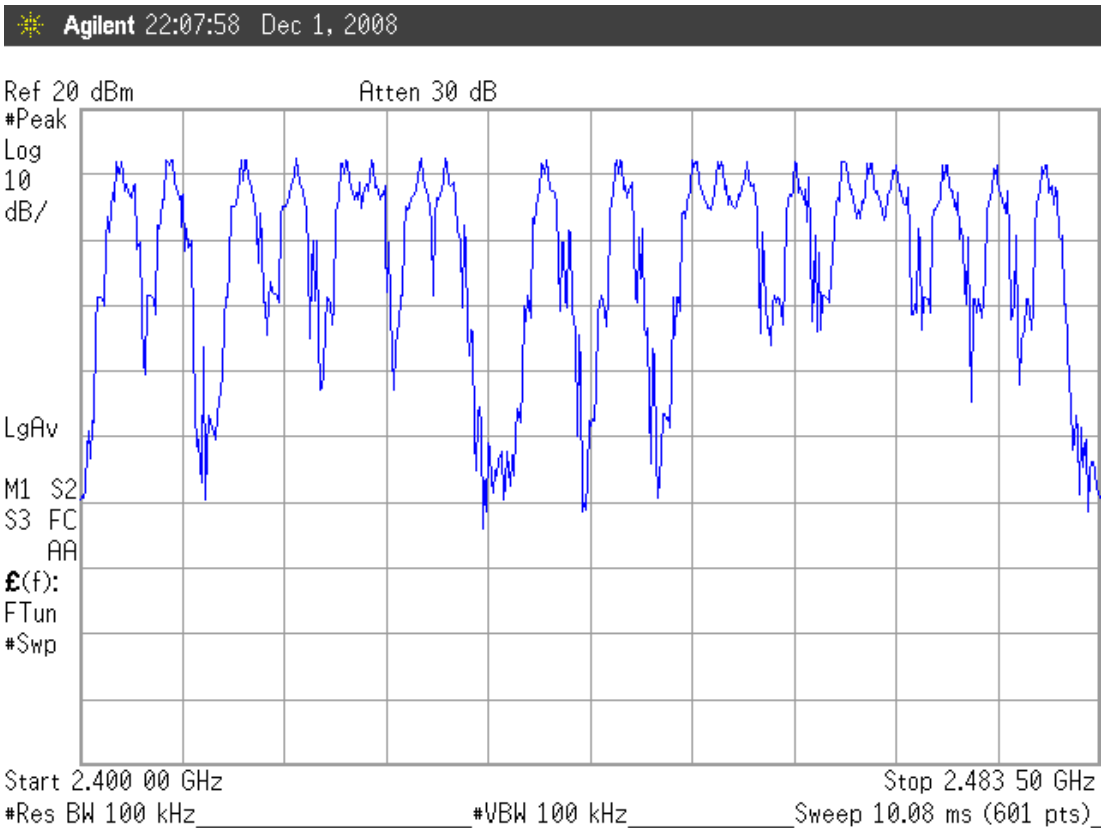
The transmitter output was connected to the spectrum analyzer. The bandwidth of the fundamental frequency was measure by spectrum analyzer with 100kHz RBW and 100kHz VBW. Sweep=Auto ; Detector function=peak ; Trace=Max hold

7.6. Test Results

PASSED. All the test results are attached in next page.

Test Date : Dec. 01, 2008 Temperature : 23 ℃ Humidity : 49 %

The number hopping channel is 20.


Agilent 22:07:58 Dec 1, 2008
Ref 20 dBm
Atten 30 dB
#Peak
Log
10
dB/
LgAv
M1 S2
S3 FC
AA
£(f):
FTun
#Swp
Start 2.400 00 GHz
Stop 2.483 50 GHz
#Res BW 100 kHz
#VBW 100 kHz
Sweep 10.08 ms (601 pts)

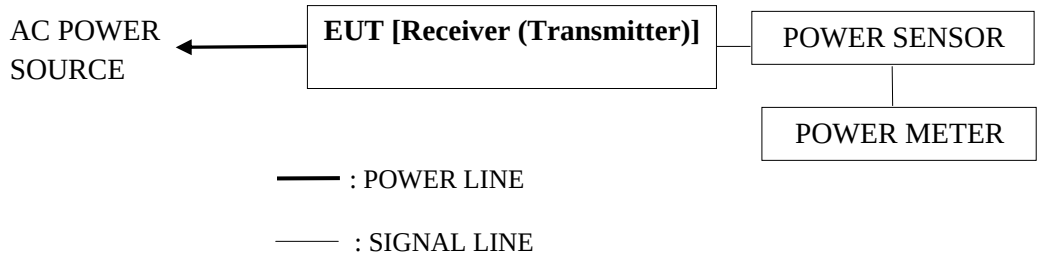
8. MAXIMUM PEAK OUTPUT POWER MEASUREMENT

8.1. Test Equipment

The following test equipment was used during the maximum peak output power measurement:

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Power Meter	Anritsu	ML2487A	6K00005406	Jan. 26, 08’	Jan. 25, 09’
2.	Power Sensor	Anritsu	MA2491A	030873	Jan. 26, 08’	Jan. 25, 09’

8.2. Block Diagram of Test Setup



8.3. Specification Limits (§15.247(b)-(1))

The Limits of maximum Peak Output Power for frequency hopping systems in 2400-2483.5MHz is: 0.125Watt. (21dBm)

8.4. Operating Condition of EUT

Same as carrier frequency separation measurement which was listed in 4.4 except the test set up replaced by section 8.2.

8.5. Test Procedure (DA 00-705)

The transmitter output was connected to the power sensor and record the reading of power meter.

8.6. Test Results

PASSED. All the test results are listed below.

Test Date : Dec. 01, 2008 Temperature : 23 ℃ Humidity : 49 %

No.	Channel	Test Frequency	**Peak Output Power**	Limit
1.	0	2403.328MHz	**13.75dBm**	21dBm
2.	19	2442.240MHz	**13.97dBm**	21dBm
3.	37	2479.104MHz	**14.03dBm**	21dBm

9. EMISSION LIMITATIONS MEASUREMENT

9.1. Test Equipment

The following test equipment was used during the emission limitations measurement:

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	Agilent	E4446A	US44300366	Aug. 07, 08’	Aug. 06, 09’

9.2. Block Diagram of Test Setup

The same as section.4.2.

9.3. Specification Limits (§15.247(c))

In any 100kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (See Section 15.205(c)).(※ This test result attaching to §3.6.3)

9.4. Operating Condition of EUT

Same as carrier frequency separation measurement which was listed in section 4.4.

9.5. Test Procedure (DA 00-705)

The transmitter output was connected to the spectrum analyzer. Set both RBW and VBW of spectrum analyzer to 100kHz with frequency range from 30MHz to 25GHz.

9.6. Test Results

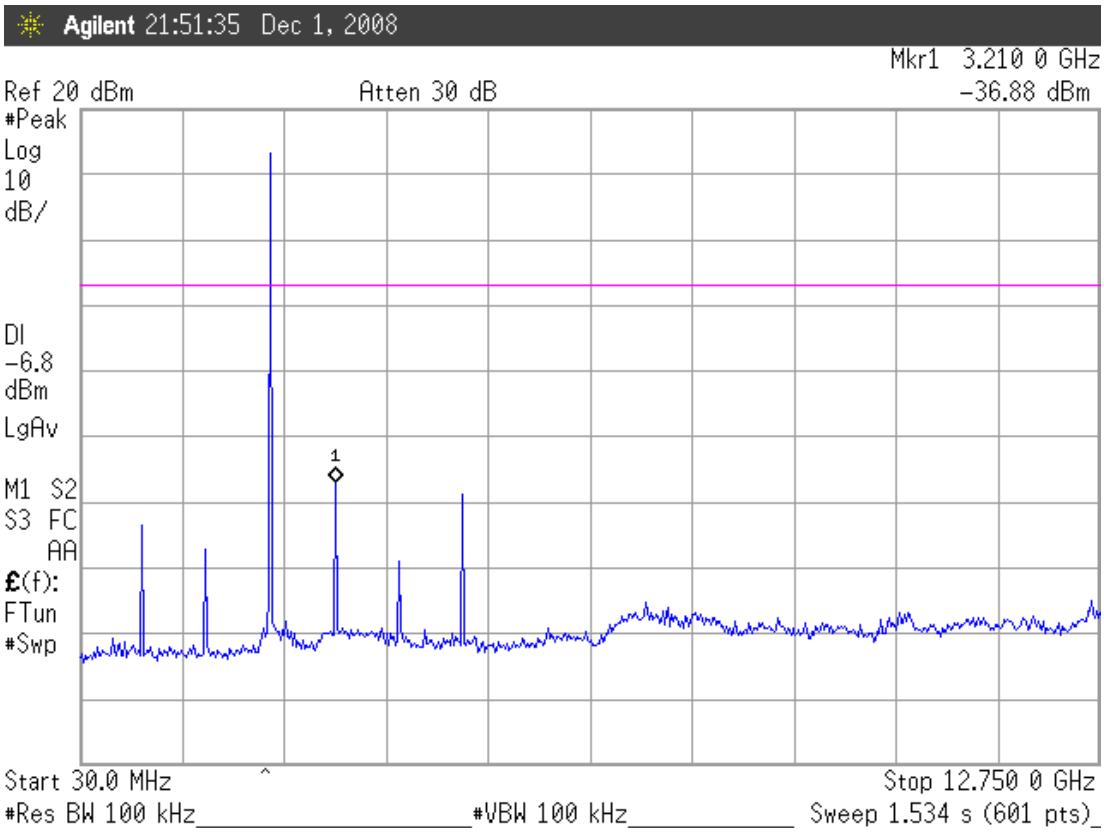
PASSED. All the test results are attached in next pages.

Test Date : Dec. 01, 2008 Temperature : 23 ℃ Humidity : 49 %

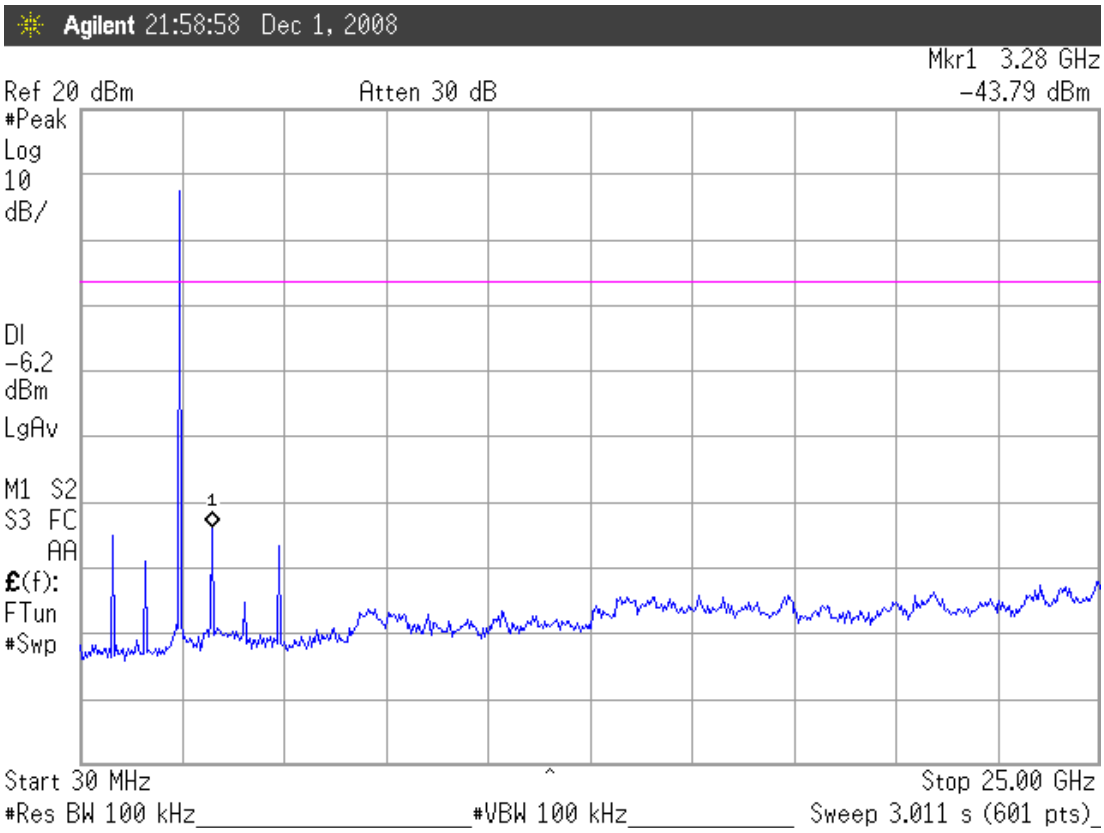
1. 2403.328MHz: During 30MHz~25GHz bandwidth. In the 2.4GHz, the –36.88dBm is max value that is lower than 20dB of primary channel.
2. 2442.240MHz: During 30MHz~25GHz bandwidth. In the 2.4GHz, the –43.79dBm is max value that is lower than 20dB of primary channel.
3. 2479.104MHz: During 30MHz~25GHz bandwidth. In the 2.4GHz, the –45.14dBm is max value that is lower than 20dB of primary channel.

Note: The peak above the limit line is the carrier frequency.

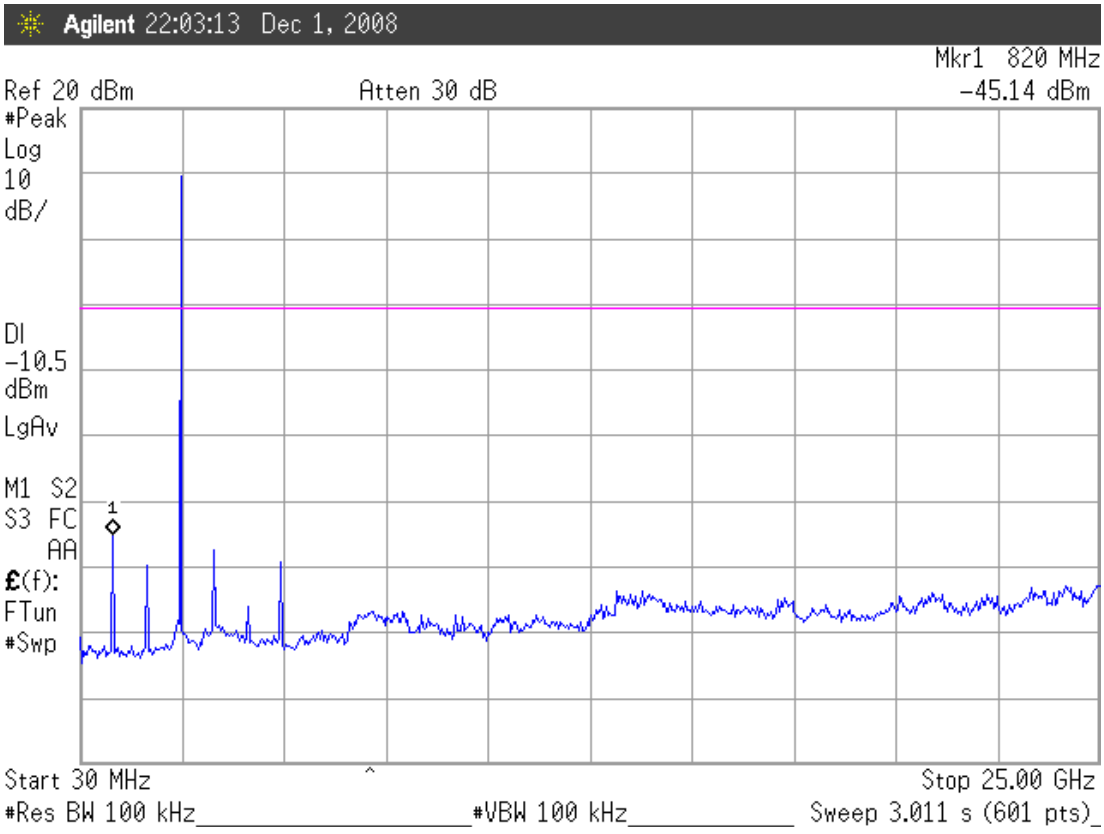
9.6.1.Channel 0, Frequency: 2403.328MHz



9.6.2.Channel 19, Frequency: 2442.240MHz



9.6.3. Channel 37, Frequency: 2479.104MHz



10. BAND EDGES MEASUREMENT

10.1. Test Equipment

The following test equipment was used during the band edges measurement:

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	Agilent	E4446A	US44300366	Aug. 07, 08'	Aug. 06, 09'

10.2. Block Diagram of Test Setup

The same as section.4.2.

10.3. Specification Limits (§15.247(c))

In any 100kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (See Section 15.205(c)). (※ This test result attaching to §3.6.3)

10.4. Operating Condition of EUT

Same as carrier frequency separation measurement which was listed in section 4.4.

10.5. Test Procedure (DA 00-705)

The transmitter output was connected to the spectrum analyzer. Set both RBW and VBW of spectrum analyzer to 100kHz with suitable frequency span including 100kHz bandwidth from band edge.

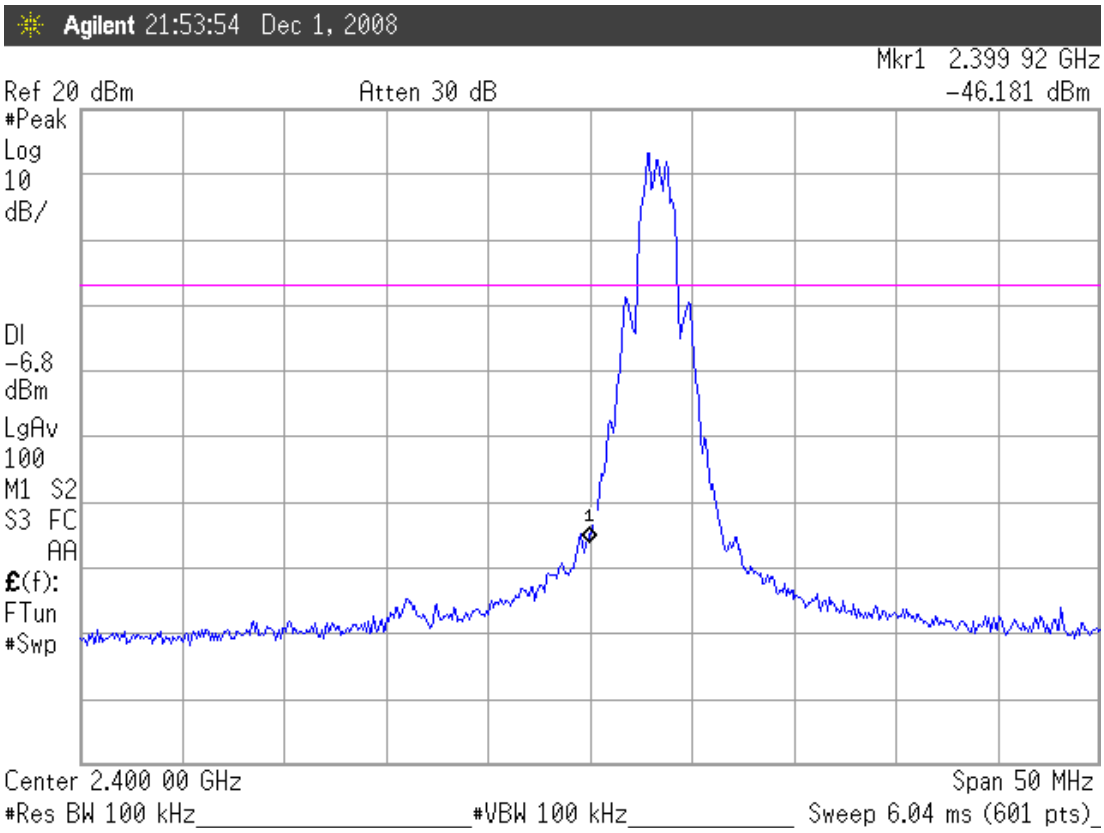
10.6. Test Results

PASSED. The testing data was attached in the next pages.

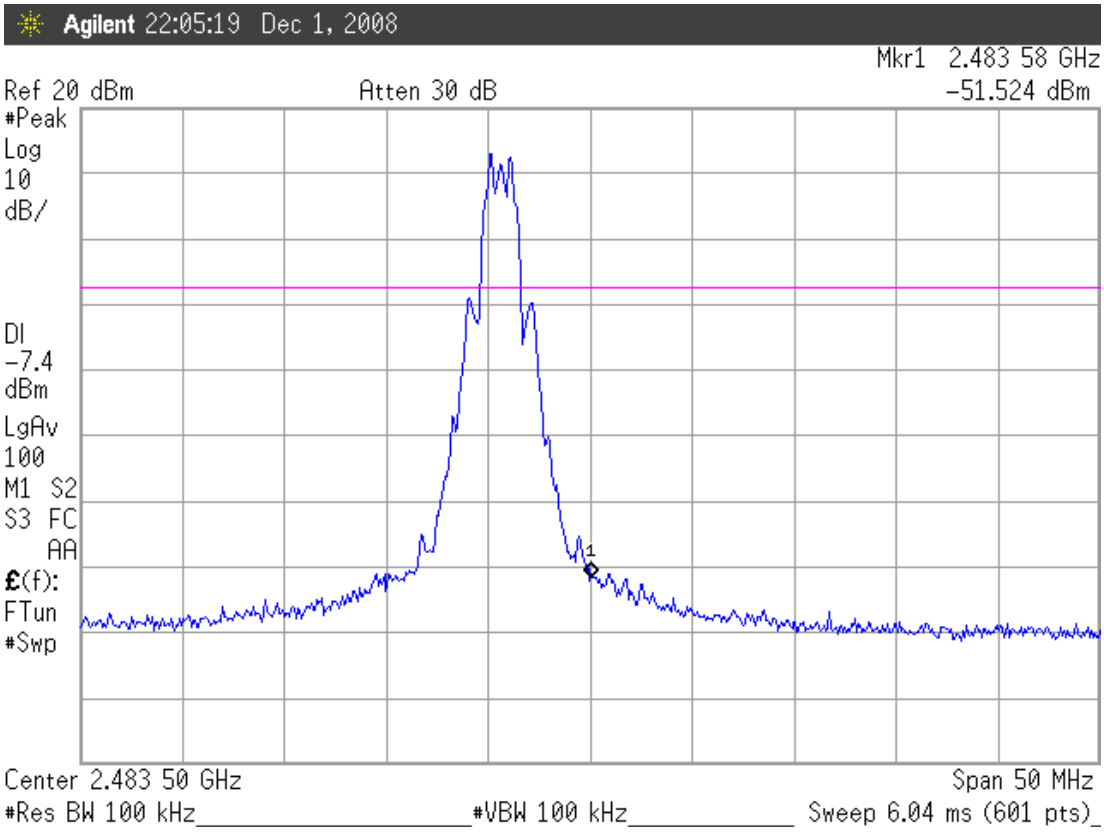
Test Date : Dec. 01, 2008 Temperature : 23 ℃ Humidity : 49 %

1. Upper Band edge : The highest emission level is – 46.181dBm on 2.39992GHz。
2. Below Band edge: The highest emission level is – 51.524dBm on 2.48358GHz。

10.6.1.Upper Band edge



10.6.2.Below Band edge



11. DEVIATION TO TEST SPECIFICATIONS

【NONE】