

APPLICATION FOR CERTIFICATION

On Behalf of

Futaba Corporation

Radio Control

Model No. : T10CG-2.4G

FCC ID : AZPT10CG-24G

Brand : Futaba

Prepared for : Futaba Corporation
1080 Yabutsuka Chosei-son Chosei-gun
Chiba, 299-4395 Japan.

Prepared by : AUDIX Technology Corporation
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File Number : EM980317
Report Number : EM-F980151
Date of Test : Mar. 02 ~ 10, 2009
Date of Report : Mar. 11, 2009

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APPENDIX I (Radiated Test Data for frequency rang above 1GHz at Semi-Anechoic Chamber)

TEST REPORT CERTIFICATION

Applicant : Futaba Corporation
 Manufacturer : Futaba Corporation
 EUT Description : Radio Control
 FCC ID : AZPT10CG-24G
 (A) Model No. : T10CG-2.4G
 (B) Serial No. : N/A
 (C) Brand : Futaba
 (D) Power Supply : DC 9.6V
 (E) Test Voltage : (1) AC 120V/60Hz (Via Ni-Cd Charger)
 (2) DC 9.6V (Via Ni-Cd Battery)

Measurement Procedure Used:

FCC RULES AND REGULATIONS PART 15 SUBPART B & C, July, 2008
AND ANSI C63.4/2003

(FCC CFR 47 Part 15B, §15.107 and §15.109)

(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 & 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 Test : Mar. 02 ~ 10, 2009

Date of Report : Mar. 11, 2009

Producer : Tina Huang
 (Tina Huang/Administrator)

Review : Henning Chang
 (Henning Chang/Supervisor)

Signatory : Ben Cheng
 (Ben Cheng/Manager)

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

Description	:	Radio Control (Transmitter Unit)
Model Number	:	T10CG-2.4G
Serial Number	:	N/A
Brand	:	Futaba
FCC ID	:	AZPT10CG-24G
Applicant	:	Futaba Corporation 1080 Yabutsuka Chosei-son Chosei-gun Chiba, 299-4395 Japan.
Manufacturer	:	Futaba Corporation 1080 Yabutsuka Chosei-son Chosei-gun Chiba, 299-4395 Japan.
Radio Technology	:	DSSS Modulation
Frequency Band	:	2405.376MHz ~ 2477.056MHz
Tested Frequency	:	2405.376MHz (Channel 02) 2442.240MHz (Channel 38) 2477.056MHz (Channel 72)
Frequency Channel	:	36 channels
Antenna (Pencil Antenna)	:	Antenna Gain: 1.3dBi
Ni-Cd Battery	:	Futaba, M/N NT8S700B 9.6VDC, 700mA

Ni-Cd Charger : Futaba, M/N FBC-20A(4)
 DC Power Cord
 Link to EUT: Non-Shielded, Undetachable, 1.8m
 Link to Ni-Cd Battery: Non-Shielded,
 Undetachable, 1.8m

Date of Receipt of Sample : Feb. 16, 2009

Date of Test : Mar. 02 ~ 10, 2009

1.2. Tested Supporting System Details

1.2.1. Ni-Cd BATTERY

Model Number : NR5F600
 Serial Number : N/A
 Manufacturer : Futaba
 Capacity : 6VDC, 600mAh

1.2.2. POWER SOCKET

Power Cord : Non-Shielded, Detachable, 1.8m

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 : **No. 2 Shielded Room**
 (C2/AC) No. 53-11, Tin-Fu Tsun, Lin-Kou Hsiang,
 Taipei Hsien, Taiwan.

Semi-Anechoic Chamber
 No. 53-11, Tin-Fu Tsun, Lin-Kou Hsiang,
 Taipei Hsien, Taiwan.

May 15, 2006 File on
 Federal Communication Commission
 Registration Number: 90993

NVLAP Lab. Code : 200077-0
 (NVLAP is a NATA accredited body under Mutual Recognition Agreement)

TAF Accreditation No : 1724

1.4. Measurement Uncertainty

Test Item	Frequency Range	Uncertainty (dB), (V/m)
Conduction Test	150kHz~30MHz	±1.73dB
Radiation Test (Distance: 3m)	30MHz~300MHz	± 2.91dB
	300MHz~1000MHz	± 2.74dB
	Above 1GHz	± 5.02dB

Remark : Uncertainty = $ku_c(y)$

Test Item	Uncertainty
6dB Bandwidth	± 0.05kHz
Emission Limitations	± 0.13dB
Maximum peak output power	± 0.33dBm
Band edges	± 0.13dB
Power spectral density	± 0.13dB

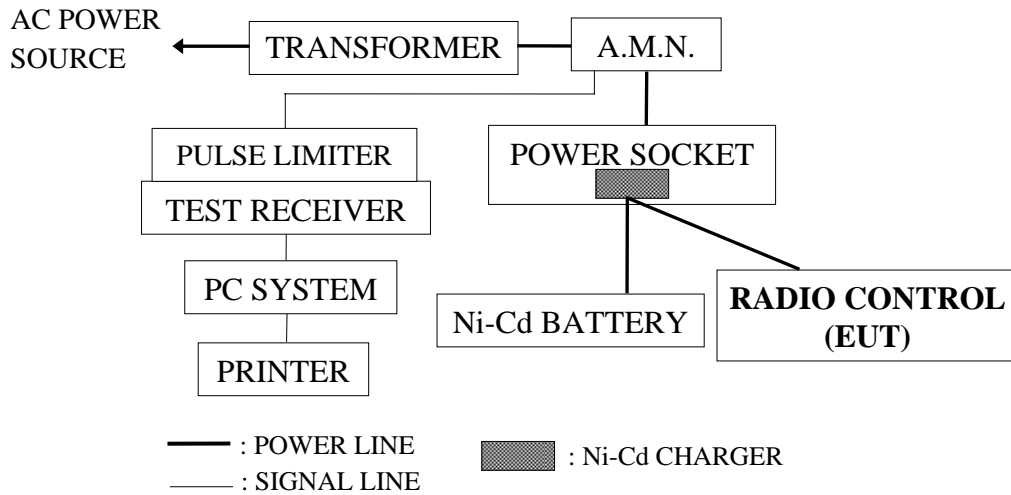
2. CONDUCTED EMISSION MEASUREMENT

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. 05, 09'	Mar. 04, 10'
2.	A.M.N.	R & S	ESH2-Z5	890485/023	Jan. 14, 09'	Jan. 13, 10'
3.	Pulse Limiter	R&S	ESH3-Z2	001	Feb. 20, 09'	Feb. 19, 10'

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 dB μ V	56 ~ 46 dB μ V
500kHz ~ 5MHz	56 dB μ V	46 dB μ V
5MHz ~ 30MHz	60 dB μ V	50 dB μ V

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 (Radio Control) and simulator as shown on 2.2.
- 2.4.2. To turn on the power of all equipments.
- 2.4.3. Both of EUT and Ni-Cd Battery were via Ni-Cd charger and on charging status during all testing.

2.5. Test Procedure

The EUT (via Ni-Cd Charger) was put on table which was above the ground by 80cm and Ni-Cd Charger connected to the AC mains through an Artificial Mains Network (A.M.N.). The other peripheral devices power cord connected to the power mains through a line impedance stabilization network (L.I.S.N.). 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 C63.4-2003 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.)

EUT (via Ni-Cd Charger) was performed during this section testing and all the test results are attached in next pages.

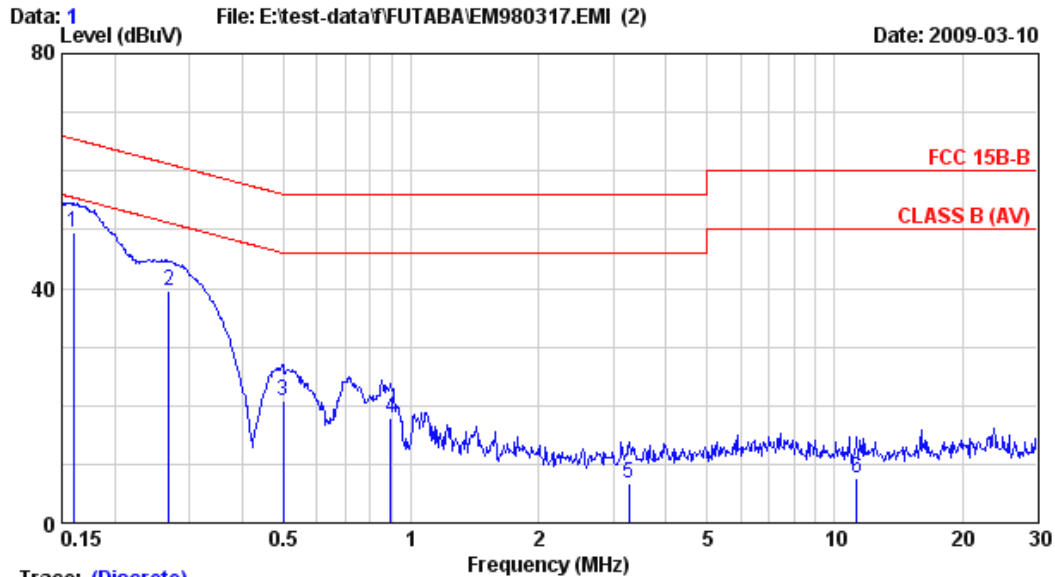
EUT : Radio Control M/N : T10CG-2.4G

Test Date : Mar. 10, 2009 Temperature : 21°C Humidity : 57%

Reference Test Data No.: Neutral: # 1 ; Line: # 2



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Trace: (Discrete)

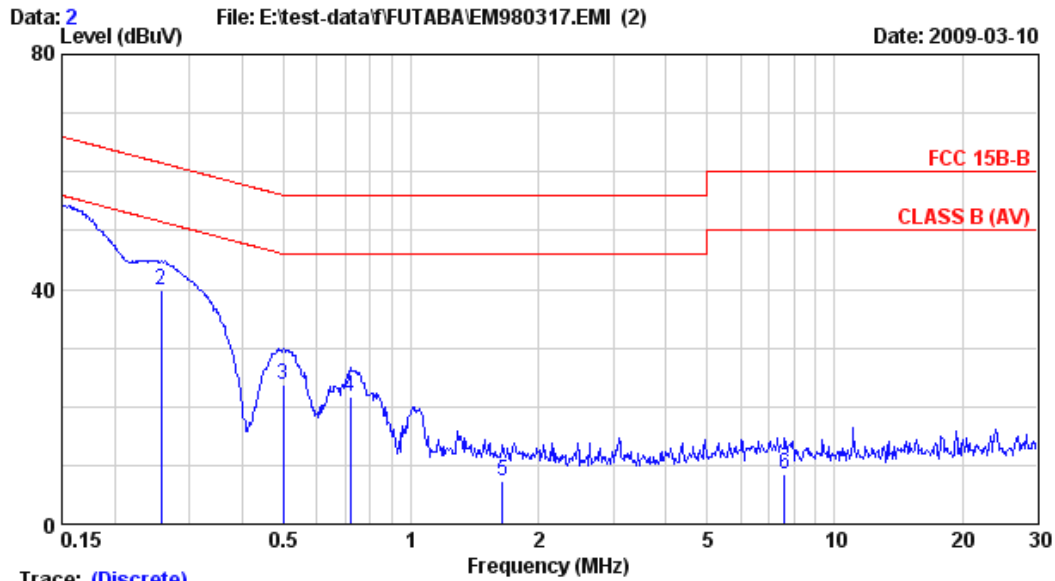
Site	: No.2 Shielded room	Data	: 1
Condition	: ESH2-Z5	Phase	: NEUTRAL
Limit	: FCC 15B-B		
Env. / Ins.	: 21°C,57% / ESCS 30(339)	Engineer:	: Albert_Linag
EUT	: Radio Control M/N:T10CG-2.4G		
Power Rating	: 120Vac/60Hz		
Test Mode	: charge		

Freq. (MHz)	LISN Factor (dB)	Cable Loss (dB)	Emission		Limits (dBμV)	Margin (dB)	Remark
			Reading (dBμV)	Level (dBμV)			
1	0.10	0.24	49.11	49.45	65.47	16.02	QP
2	0.10	0.29	39.29	39.68	61.16	21.48	QP
3	0.12	0.34	20.40	20.86	56.01	35.15	QP
4	0.19	0.39	17.23	17.81	56.00	38.19	QP
5	0.20	0.40	6.05	6.65	56.00	49.35	QP
6	0.33	0.70	6.64	7.67	60.00	52.33	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.



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Trace: (Discrete)

Site : No.2 Shielded room Data : 2
 Condition : ESH2-Z5 Phase : LINE
 Limit : FCC 15B-B
 Env. / Ins. : 21°C,57% / ESCS 30(339) Engineer: Albert_Linag
 EUT : Radio Control M/N:T10CG-2.4G
 Power Rating : 120Vac/60Hz
 Test Mode : charge

	LISN		Cable		Emission		Limits	Margin	Remark
Freq. (MHz)	Factor (dB)	Loss (dB)	Reading (dBμV)	Level (dBμV)	(dBμV)	(dB)			
1	0.150	0.10	0.24	47.93	48.27	66.00	17.73	QP	
2	0.258	0.10	0.28	39.56	39.94	61.51	21.57	QP	
3	0.499	0.12	0.34	23.41	23.87	56.01	32.14	QP	
4	0.720	0.16	0.37	21.02	21.56	56.00	34.44	QP	
5	1.645	0.20	0.40	6.84	7.44	56.00	48.56	QP	
6	7.606	0.27	0.61	7.66	8.54	60.00	51.46	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 Range 30MHz~1000MHz (at Semi-Anechoic Chamber)

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	HP	8564EC	3946A00249	Oct. 24, 08'	Oct. 23, 09'
2.	Test Receiver	R & S	ESCS30	100265	Aug. 28, 08'	Aug. 27, 09'
3.	Pre-Amplifier	HP	8447D	2944A06305	Feb. 04, 09'	Feb. 03, 10'
4.	Biconical Antenna	CHASE	VBA6106A	1264	Apr. 10, 08'	Apr. 09, 09'
5.	Log Periodic Antenna	Schwarzbeck	UHALP91 08-A	0810	Apr. 10, 08'	Apr. 09, 09'

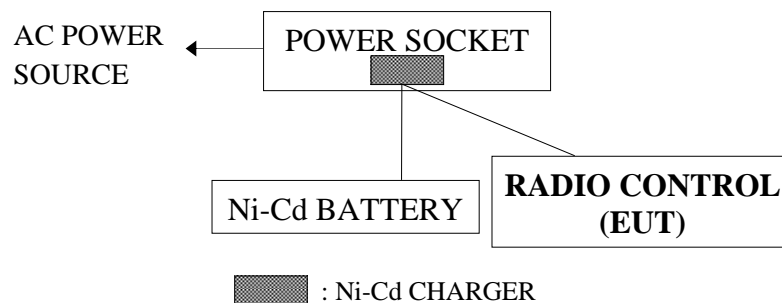
3.1.2. For Frequency Above 1GHz (at Semi-Anechoic Chamber)

Item	Type	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
1.	Spectrum Analyzer	HP	8564EC	3946A00249	Oct. 24, 08'	Oct. 23, 09'
2.	Pre-Amplifier	HP	8449B	3008A01284	Jun. 17, 08'	Jun. 16, 09'
3.	2.4GHz Notch Filter	EWT	EWT-14-0 070	G2	Dec. 08, 08'	Dec. 07, 09'
4.	3.5G High Pass Filter	HP	84300- 80038	005	Jan. 09, 09'	Jan. 08, 10'
5.	Horn Antenna	EMCO	3115	9112-3775	May 20, 08'	May 19, 09'
6.	Horn Antenna	EMCO	3116	2653	Oct. 03, 08'	Oct. 02, 09'

3.2. Test Setup

3.2.1. Block Diagram of connection between EUT and simulators

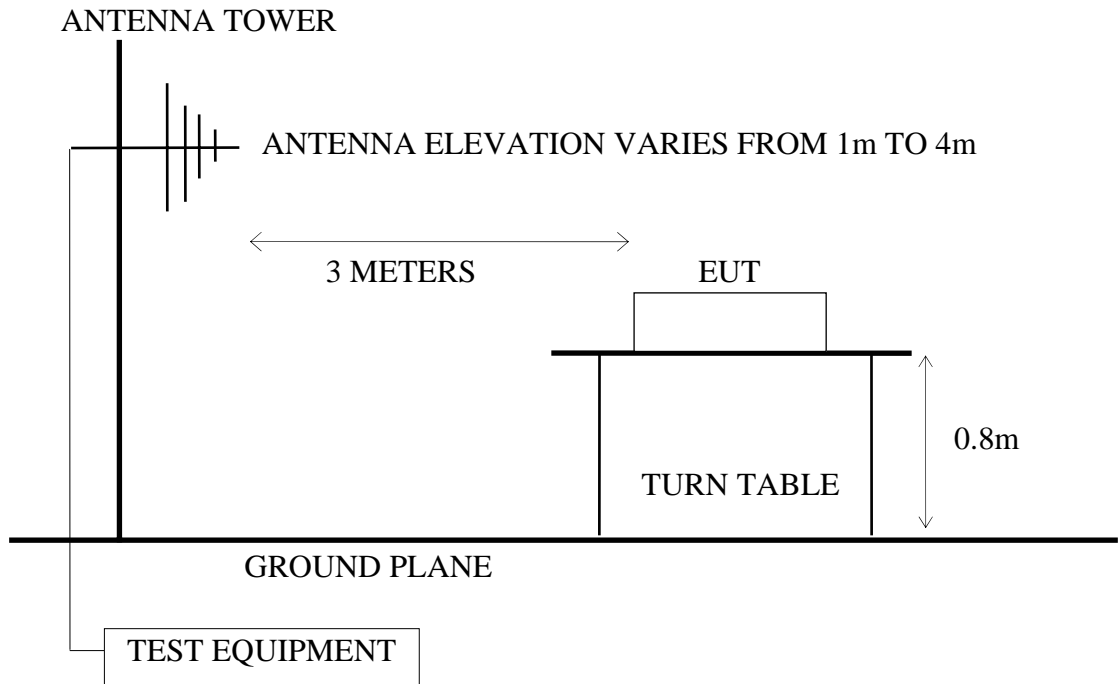
3.2.1.1. Test Mode: Charge



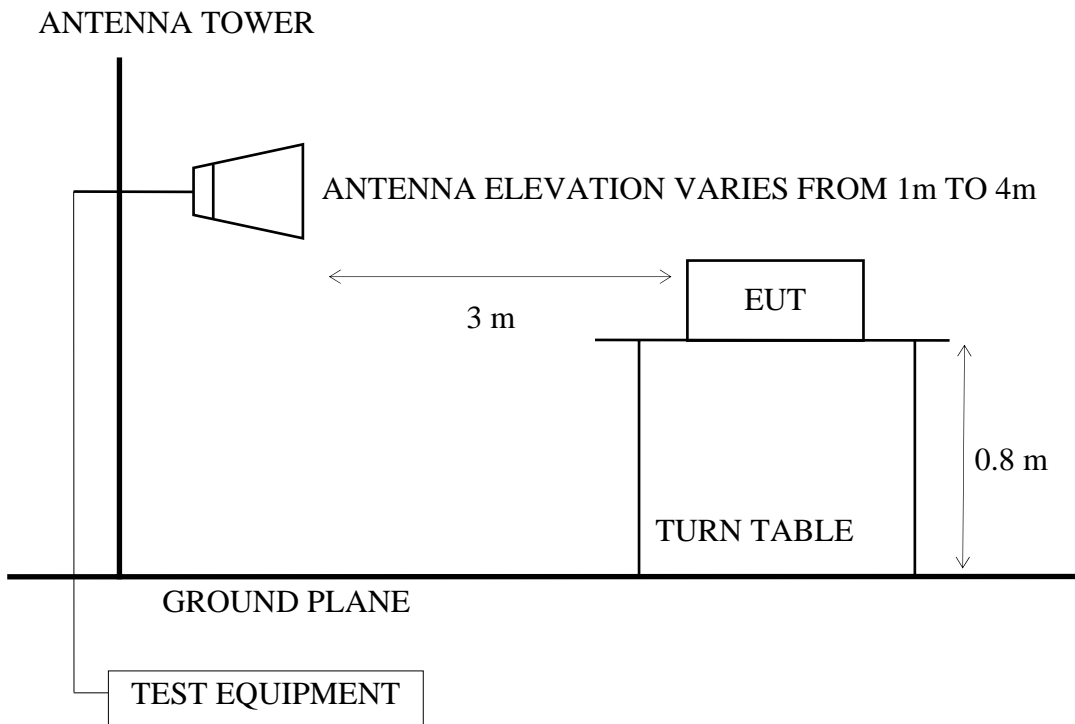
3.2.1.2. Test Modes: Transmit and Receive

RADIO CONTROL (EUT)

3.2.2. Semi-Anechoic Chamber (3m) Setup Diagram for 30-1000MHz



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



3.3. Radiated Emission Limits (§15.209)

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMITS	
		$\mu\text{V/m}$	$\text{dB}\mu\text{V/m}$
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 $\text{dB}\mu\text{V/m}$ (Peak) 54.0 $\text{dB}\mu\text{V/m}$ (Average)	

- Remark :
- (1) Emission level ($\text{dB}\mu\text{V/m}$) = 20 log Emission level ($\mu\text{V/m}$)
 - (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

- 3.4.1. Set up the EUT (Radio Control) as shown on 3.2.
- 3.4.2. To turn on the power of all equipment.
- 3.4.3. The EUT was set the PC system using test program “Futaba Term”.
- 3.4.4. Charge Mode: Both of EUT and Ni-Cd Battery were via Ni-Cd charger and on charging status during all testing.
- 3.4.5. Transmit Mode: The EUT was set to continuously transmit signals at 2405.376MHz、2442.240MHz and 2477.056MHz during testing.
- 3.4.6. Receive Mode: The EUT was set to continuously receive signals at 2442.240MHz during 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. EUT was set 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 antenna such as calibrated biconical and log-periodical antenna 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 C63.4-2003 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 10th harmonics from fundamental frequency) was checked.

3.6. Test Results

PASSED.

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

EUT : Radio Control M/N : T10CG-2.4G

Test Date : Mar. 02, 2009 Temperature : 25°C Humidity : 58%

For Frequency Range 30MHz~1000MHz:

The EUT select **worst position “stand”** and with following test modes were performed during this section testing and all the test results are listed in section 3.6.1.

Mode	Test Voltage	Channel	Frequency	Test Mode	Position	Reference Test Data	
						Horizontal	Vertical
1.	AC 120V/60Hz	--	--	Charge	--	# 2	# 1
2.	DC 9.6V	02	2405.376MHz	Transmit	Stand	# 11	# 12
3.		38	2442.240MHz	Transmit	Stand	# 12	# 11
4.		72	2477.056MHz	Transmit	Stand	# 11	# 12
5.		38	2442.240MHz	Receive	Stand	# 10	# 9

* Above all final readings were measured with Quasi-Peak detector.

For Frequency above 1GHz:

The EUT select **worst position “stand”** and with the following test modes were measured within semi-anechoic chamber. All the graphical results are attached in Appendix I and all the final readings are listed in section 3.6.2.

Mode	Test Voltage	Channel	Frequency	Test Mode	Position
1.	DC 9.6V	02	2405.376MHz	Transmit	Stand
2.		38	2442.240MHz	Transmit	Stand
3.		72	2477.056MHz	Transmit	Stand
4.		38	2442.240MHz	Receive	Stand

* Above all final readings were measured with Peak detector and Average detector.

For Restricted Bands:

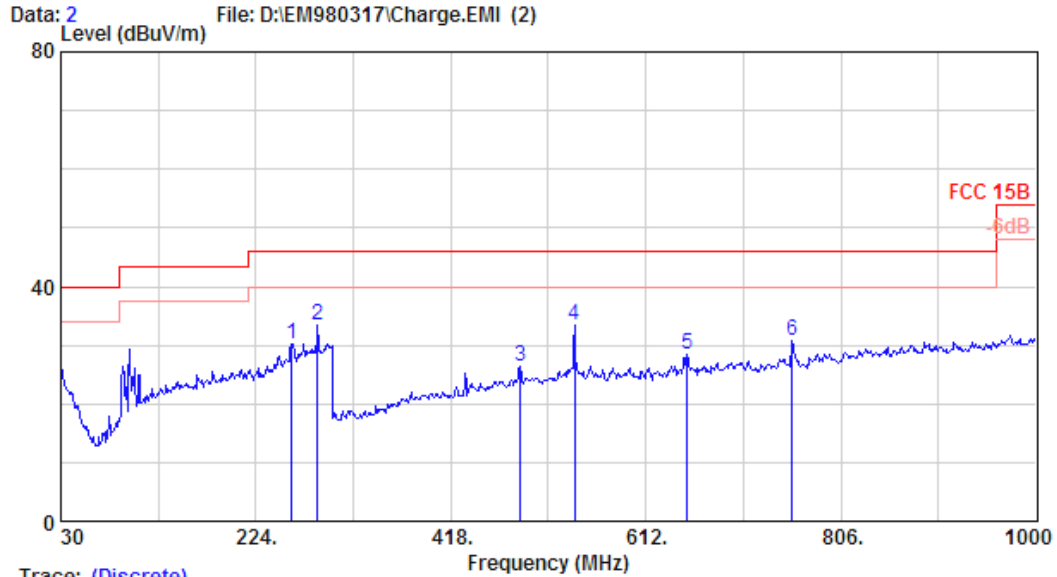
The EUT was tested in restricted bands and all the test results are listed in section 3.6.3. (The restricted bands defined in part 15.205(a))

Mode	Channel	Frequency	Test Mode	Reference Test Data	
				Horizontal	Vertical
1.	02	2405.376MHz	Transmit	# 2, #3	#1, #4
2.	72	2477.056MHz	Transmit	#7, #6	#8, #5

3.6.1. Frequency Range 30-1000MHz



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Trace: (Discrete)

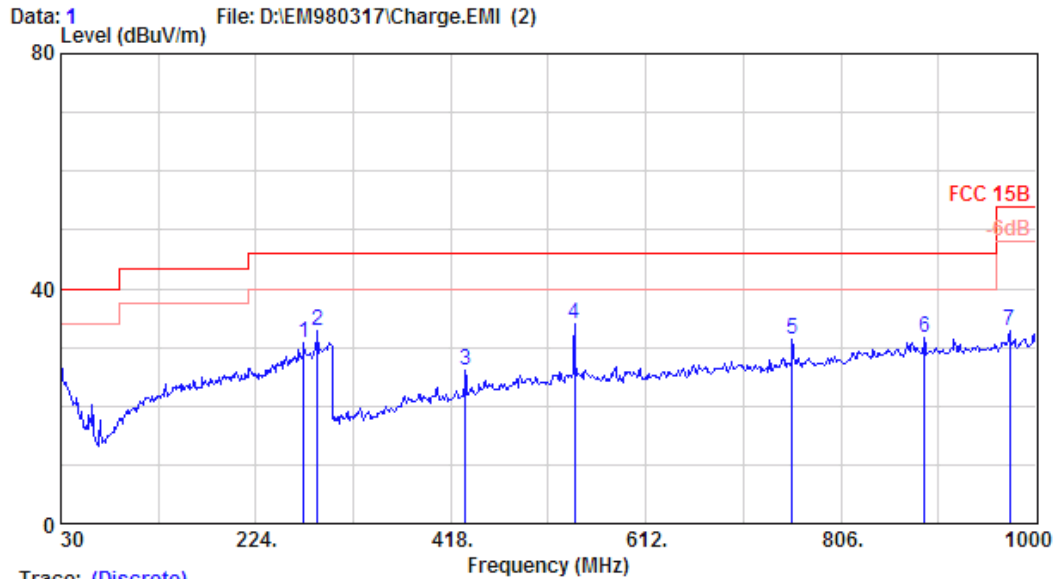
Site no. : A/C Chamber Data no. : 2
 Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : HORIZONTAL
 Limit : FCC 15B
 Env. / Ins. : 8564EC 25°C/58% Engineer : Jarwei Wang
 EUT : Radio Control M/N:T10CG-2.4G
 Power Rating : 120Vac/60Hz
 Test Mode : Charge

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBµV)	Emission Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	259.890	24.55	3.53	2.13	30.22	46.00	15.78	
2	285.110	25.54	3.80	4.05	33.40	46.00	12.60	
3	486.870	18.67	6.20	1.57	26.44	46.00	19.56	
4	541.190	19.25	7.01	7.19	33.45	46.00	12.55	
5	652.740	21.79	6.30	0.25	28.35	46.00	17.65	
6	757.500	23.61	6.73	0.43	30.77	46.00	15.23	

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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Trace: (Discrete)

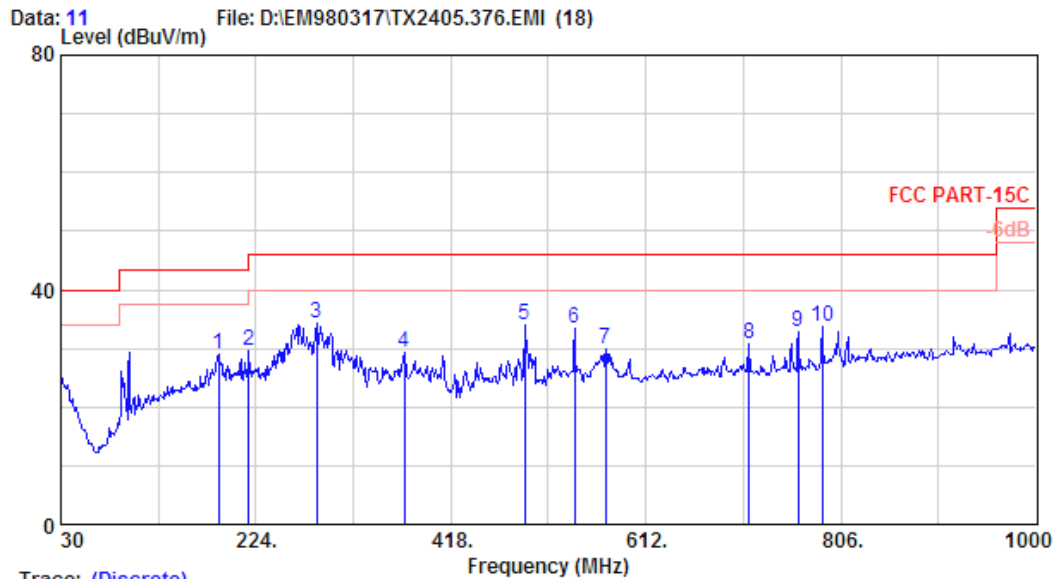
Site no. : A/C Chamber Data no. : 1
 Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : VERTICAL
 Limit : FCC 15B
 Env. / Ins. : 8564EC 25°C/58% Engineer : Jarwei Wang
 EUT : Radio Control M/N:T10CG-2.4G
 Power Rating : 120Vac/60Hz
 Test Mode : Charge

	Ant.	Cable	Emission				
Freq. (MHz)	Factor (dB/m)	Loss (dB)	Reading (dBµV)	Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	271.530	25.06	3.70	2.11	30.87	46.00	15.13
2	285.110	25.54	3.80	3.60	32.94	46.00	13.06
3	432.550	17.28	5.20	3.60	26.08	46.00	19.92
4	541.190	19.25	7.01	7.71	33.97	46.00	12.03
5	757.500	23.61	6.73	1.16	31.50	46.00	14.50
6	889.420	25.09	7.30	-0.66	31.73	46.00	14.27
7	973.810	26.64	7.70	-1.58	32.77	54.00	21.23

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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Trace: (Discrete)

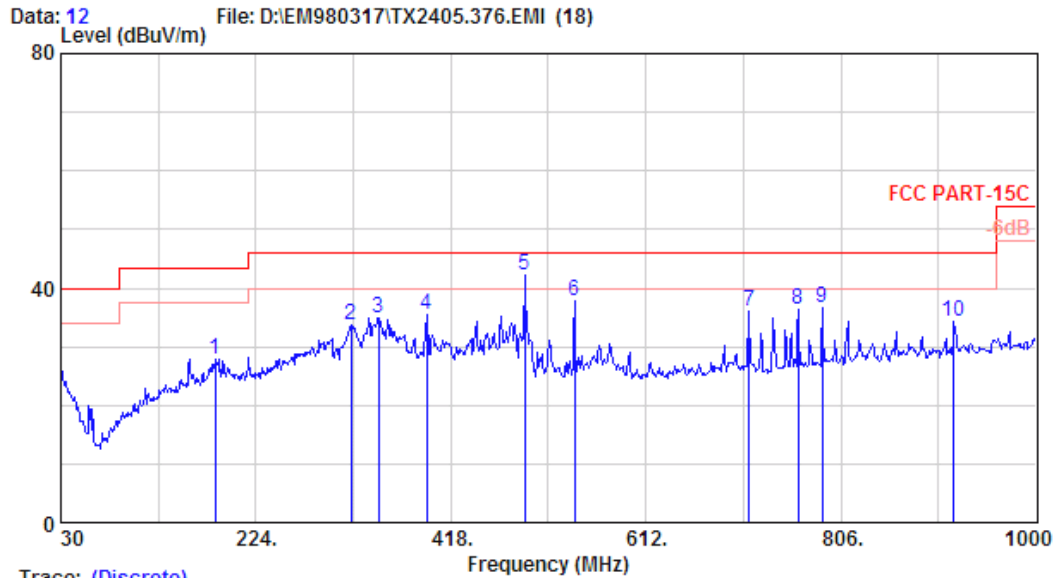
Site no. : A/C Chamber Data no. : 11
 Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : HORIZONTAL
 Limit : FCC PART-15C
 Env. / Ins. : 8564EC 25*C/58% Engineer : Jarwei Wang
 EUT : Radio Control M/N:T10CG-2.4G
 Power Rating : DC 9.6V
 Test Mode : TX2405.376MHz

	Ant.	Cable	Emission				
Freq. (MHz)	Factor (dB/m)	Loss (dB)	Reading (dBµV)	Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	187.140	21.40	2.90	4.56	28.87	43.50	14.63
2	217.210	21.90	3.20	4.36	29.46	46.00	16.54
3	284.140	25.51	3.80	4.96	34.26	46.00	11.74
4	371.440	17.08	4.60	7.74	29.41	46.00	16.59
5	491.720	18.61	6.33	9.08	34.02	46.00	11.98
6	541.190	19.25	7.01	7.03	33.29	46.00	12.71
7	572.230	21.12	6.50	2.30	29.92	46.00	16.08
8	714.820	22.95	6.60	1.21	30.76	46.00	15.24
9	763.320	23.75	6.74	2.36	32.85	46.00	13.15
10	787.570	23.78	6.90	2.98	33.65	46.00	12.35

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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Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 12
Dis. / Ant.	: 3m VBA6106A/UHALP9108A	Ant. pol.	: VERTICAL
Limit	: FCC PART-15C		
Env. / Ins.	: 8564EC 25*C/58%	Engineer	: Jarwei Wang
EUT	: Radio Control M/N:T10CG-2.4G		
Power Rating	: DC 9.6V		
Test Mode	: TX2405.376MHz		

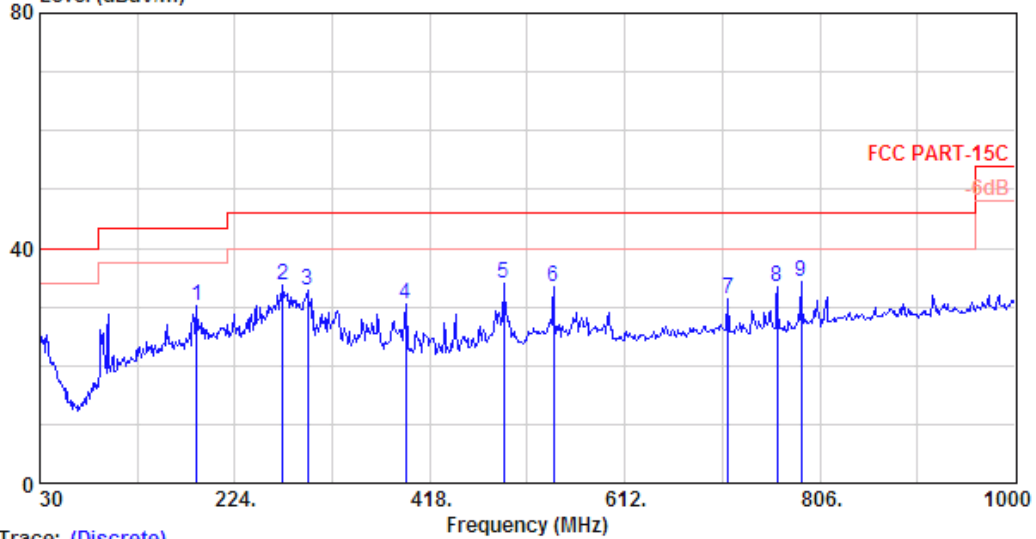
	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	183.260	21.34	2.90	3.64	27.88	43.50	15.62	
2	319.060	14.93	4.10	14.69	33.71	46.00	12.29	
3	346.220	15.08	4.40	15.47	34.96	46.00	11.04	
4	393.750	17.56	4.70	13.30	35.56	46.00	10.44	
5	491.720	18.61	6.33	17.21	42.15	46.00	3.85	
6	541.190	19.25	7.01	11.44	37.70	46.00	8.30	
7	714.820	22.95	6.60	6.53	36.08	46.00	9.92	
8	763.320	23.75	6.74	5.98	36.47	46.00	9.53	
9	787.570	23.78	6.90	5.93	36.60	46.00	9.40	
10	918.520	24.82	7.40	2.02	34.24	46.00	11.76	

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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Data: 12 File: D:\EM980317\TX2442.240.EMI (18)
 Level (dBuV/m)



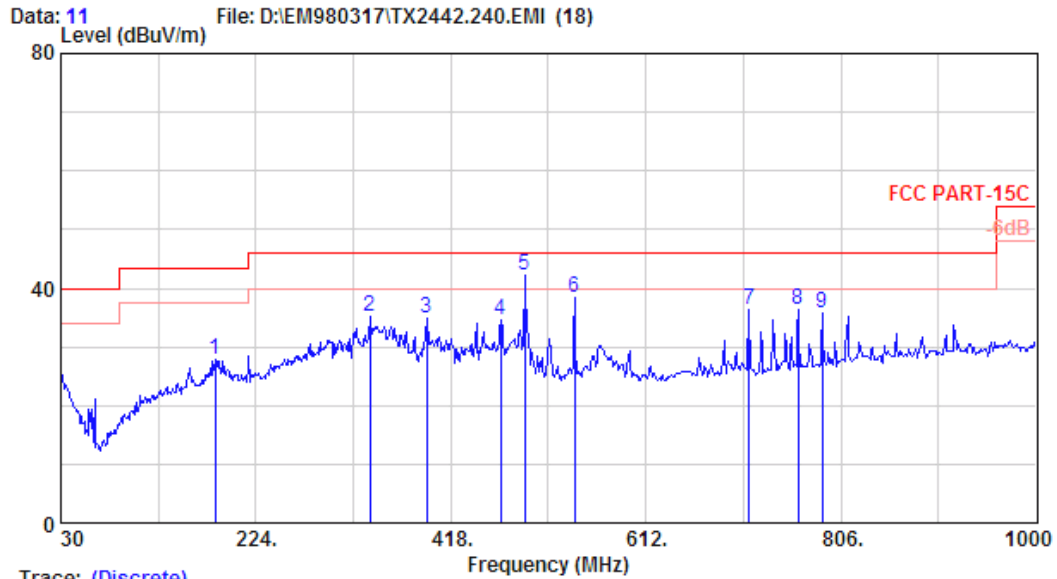
Trace: (Discrete)
 Site no. : A/C Chamber Data no. : 12
 Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : HORIZONTAL
 Limit : FCC PART-15C
 Env. / Ins. : 8564EC 25*C/58% Engineer : Jarwei Wang
 EUT : Radio Control M/N:T10CG-2.4G
 Power Rating : DC 9.6V
 Test Mode : TX2442.240MHz

	Ant. Cable		Emission		Limits	Margin	Remark
Freq. (MHz)	Factor (dB/m)	Loss (dB)	Reading (dBuV)	Level (dBuV/m)			
1	186.170	21.38	2.90	5.93	30.22	43.50	13.28
2	271.530	25.06	3.70	4.82	33.58	46.00	12.42
3	296.750	26.59	4.00	2.17	32.76	46.00	13.24
4	393.750	17.56	4.70	8.24	30.50	46.00	15.50
5	491.720	18.61	6.33	9.12	34.06	46.00	11.94
6	541.190	19.25	7.01	7.24	33.50	46.00	12.50
7	714.820	22.95	6.60	1.91	31.46	46.00	14.54
8	763.320	23.75	6.74	2.99	33.48	46.00	12.52
9	787.570	23.78	6.90	3.55	34.22	46.00	11.78

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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Trace: (Discrete)

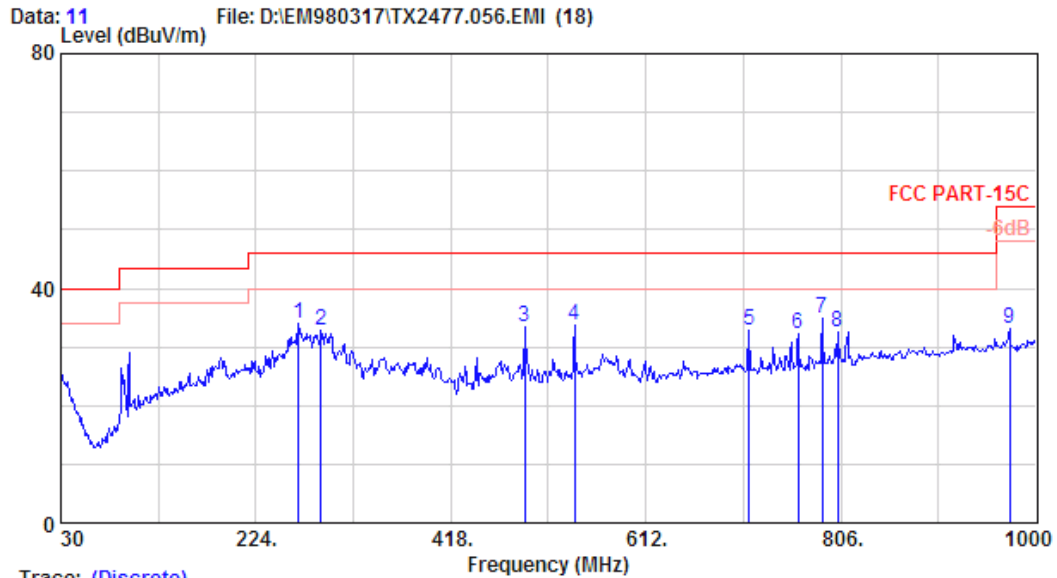
Site no. : A/C Chamber Data no. : 11
 Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : VERTICAL
 Limit : FCC PART-15C
 Env. / Ins. : 8564EC 25*C/58% Engineer : Jarwei Wang
 EUT : Radio Control M/N:T10CG-2.4G
 Power Rating : DC 9.6V
 Test Mode : TX2442.240MHz

	Ant. Factor	Cable Loss	Reading	Emission Level	Limits	Margin	Remark
Freq. (MHz)	(dB/m)	(dB)	(dBμV)	(dBμV/m)	(dBμV/m)	(dB)	
1	21.34	2.90	3.73	27.97	43.50	15.53	
2	15.09	4.20	15.79	35.08	46.00	10.92	
3	17.56	4.70	12.69	34.95	46.00	11.05	
4	18.21	5.80	10.68	34.69	46.00	11.31	
5	18.61	6.33	17.30	42.24	46.00	3.76	
6	19.25	7.01	12.03	38.29	46.00	7.71	
7	22.95	6.60	6.92	36.47	46.00	9.53	
8	23.75	6.74	5.73	36.22	46.00	9.78	
9	23.78	6.90	4.98	35.65	46.00	10.35	

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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Trace: (Discrete)

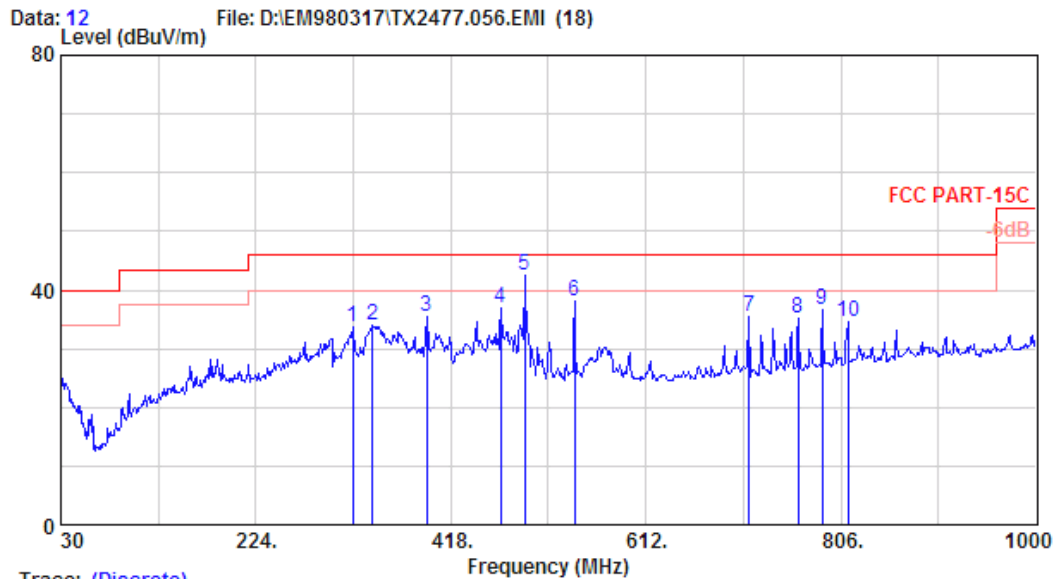
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Dis. / Ant.	: 3m VBA6106A/UHALP9108A	Ant. pol.	: HORIZONTAL
Limit	: FCC PART-15C		
Env. / Ins.	: 8564EC 23*C/53%	Engineer	: Jarwei Wang
EUT	: Radio Control M/N:HFM12-MC		
Power Rating	: DC 9.6V		
Test Mode	: TX2477.056MHz		

	Ant.	Cable	Emission					
Freq.	Factor	Loss	Reading	Level	Limits	Margin	Remark	
(MHz)	(dB/m)	(dB)	(dBuV)	(dBuV/m)	(dBuV/m)	(dB)		
1	24.74	3.70	5.48	33.92	46.00	12.08		
2	25.97	3.80	3.19	32.96	46.00	13.04		
3	18.61	6.33	8.55	33.49	46.00	12.51		
4	19.25	7.01	7.50	33.76	46.00	12.24		
5	22.95	6.60	3.39	32.94	46.00	13.06		
6	23.75	6.74	1.66	32.15	46.00	13.85		
7	23.78	6.90	4.12	34.79	46.00	11.21		
8	24.20	6.90	1.53	32.63	46.00	13.37		
9	26.64	7.70	-1.35	33.00	54.00	21.00		

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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Trace: (Discrete)

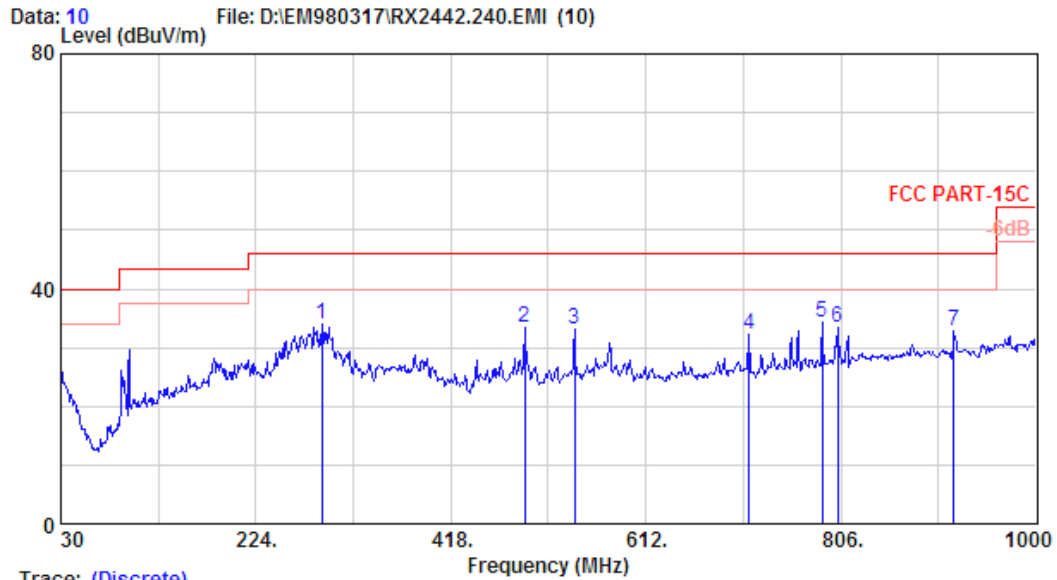
Site no. : A/C Chamber	Data no. : 12
Dis. / Ant. : 3m VBA6106A/UHALP9108A	Ant. pol. : VERTICAL
Limit : FCC PART-15C	
Env. / Ins. : 8564EC 23*C/53%	Engineer : Jarwei Wang
EUT : Radio Control M/N:HFM12-MC	
Power Rating : DC 9.6V	
Test Mode : TX2477.056MHz	

	Ant.	Cable	Emission				
Freq. (MHz)	Factor (dB/m)	Loss (dB)	Reading (dBµV)	Level (dBµV/m)	Limits (dBµV/m)	Margin (dB)	Remark
1	320.030	14.99	4.20	14.40	33.59	46.00	12.41
2	340.400	15.08	4.30	14.72	34.10	46.00	11.90
3	393.750	17.56	4.70	13.09	35.35	46.00	10.65
4	467.470	18.21	5.80	12.80	36.81	46.00	9.19
5	491.720	18.61	6.33	17.62	42.56	46.00	3.44
6	541.190	19.25	7.01	11.86	38.12	46.00	7.88
7	714.820	22.95	6.60	6.03	35.58	46.00	10.42
8	763.320	23.75	6.74	4.77	35.26	46.00	10.74
9	787.570	23.78	6.90	5.91	36.58	46.00	9.42
10	812.790	24.02	7.00	3.66	34.68	46.00	11.32

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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Trace: (Discrete)

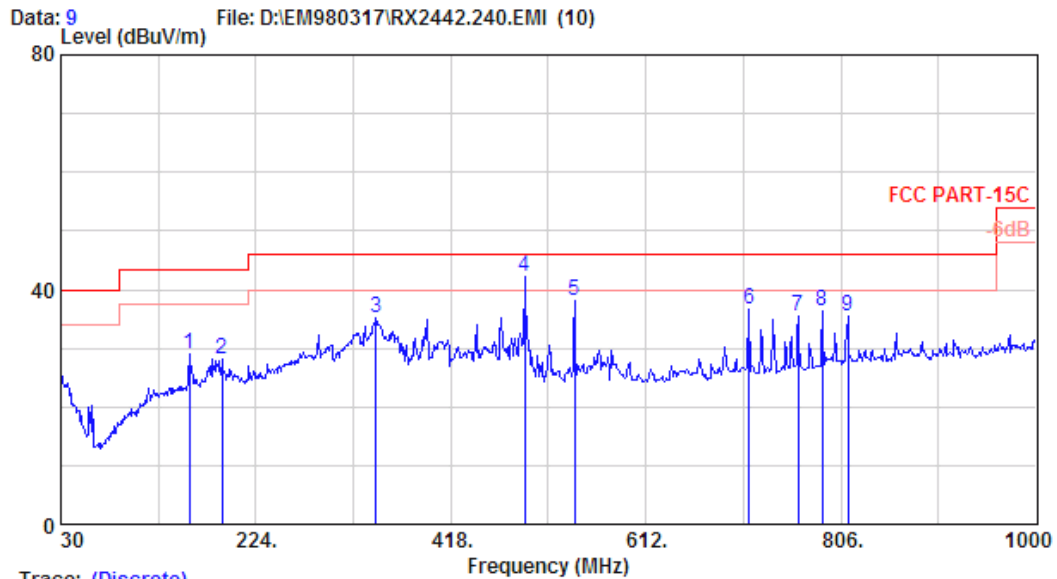
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 Dis. / Ant. : 3m VBA6106A/UHALP9108A Ant. pol. : HORIZONTAL
 Limit : FCC PART-15C
 Env. / Ins. : 8564EC 25°C/58% Engineer : Jarwei Wang
 EUT : Radio Control M/N:T10CG-2.4G
 Power Rating : DC 9.6V
 Test Mode : RX2442.240MHz

	Ant.	Cable	Emission		Limits	Margin	Remark
Freq. (MHz)	Factor (dB/m)	Loss (dB)	Reading (dBµV)	Level (dBµV/m)	(dBµV/m)	(dB)	
1	26.08	3.80	4.11	33.99	46.00	12.01	
2	18.61	6.33	8.32	33.26	46.00	12.74	
3	19.25	7.01	6.85	33.11	46.00	12.89	
4	22.95	6.60	2.66	32.21	46.00	13.79	
5	23.78	6.90	3.50	34.17	46.00	11.83	
6	24.20	6.90	2.17	33.27	46.00	12.73	
7	24.82	7.40	0.48	32.70	46.00	13.30	

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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Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 9
Dis. / Ant.	: 3m VBA6106A/UHALP9108A	Ant. pol.	: VERTICAL
Limit	: FCC PART-15C		
Env. / Ins.	: 8564EC 25*C/58%	Engineer	: Jarwei Wang
EUT	: Radio Control M/N:T10CG-2.4G		
Power Rating	: DC 9.6V		
Test Mode	: RX2442.240MHz		

	Ant. Factor	Cable Loss	Reading	Emission Level	Limits	Margin	Remark
Freq. (MHz)	(dB/m)	(dB)	(dBμV)	(dBμV/m)	(dBμV/m)	(dB)	
1	20.74	2.70	5.63	29.07	43.50	14.43	
2	21.51	2.92	3.75	28.18	43.50	15.32	
3	15.05	4.34	15.80	35.18	46.00	10.82	
4	18.61	6.33	17.23	42.17	46.00	3.83	
5	19.25	7.01	11.75	38.01	46.00	7.99	
6	22.95	6.60	7.20	36.75	46.00	9.25	
7	23.75	6.74	5.00	35.49	46.00	10.51	
8	23.78	6.90	5.68	36.35	46.00	9.65	
9	24.02	7.00	4.54	35.56	46.00	10.44	

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

Date of Test : Mar. 02, 2009 Temperature : 25°C

EUT : Radio Control Humidity : 58%

Test Mode : Transmit, Channel: 02 (Frequency: 2405.376MHz), Position: Stand

	Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Horizontal dBμV	Emission Level Horizontal dBμV/m	Limits dBμV/m	Margin dB
Peak	1603.120	25.95	3.65	11.98	41.58	74.00	32.42
	2619.520	29.31	5.38	5.30	39.99	74.00	34.01
	3208.000	31.19	6.34	8.11	45.64	74.00	28.36
	4811.400	33.64	7.96	7.33	48.93	74.00	25.07
Average	1603.120	25.95	3.65	5.58	35.18	54.00	18.82
	2619.520	29.31	5.38	-1.34	33.35	54.00	20.65
	3208.000	31.19	6.34	1.13	38.66	54.00	15.34
	4814.700	33.64	7.96	1.67	43.27	54.00	10.73

Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Measurement was up to 25GHz, but the emissions level were too low against the official limit and not report.

	Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dBμV	Emission Level Vertical dBμV/m	Limits dBμV/m	Margin dB
Peak	1608.160	25.98	3.67	17.20	46.85	74.00	27.15
	2367.520	28.55	5.14	8.55	42.24	74.00	31.76
	2569.120	29.09	5.32	11.57	45.98	74.00	28.02
	3210.640	31.21	6.34	14.78	52.33	74.00	21.67
	4811.400	33.64	7.96	7.33	48.93	74.00	25.07
Average	1608.160	25.98	3.67	8.86	38.51	54.00	15.49
	2367.520	28.55	5.14	1.92	35.61	54.00	18.39
	2569.120	29.09	5.32	4.29	38.70	54.00	15.30
	3210.640	31.21	6.34	6.15	43.70	54.00	10.30
	4811.400	33.64	7.96	0.87	42.47	54.00	11.53

Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Measurement was up to 25GHz, but the emissions level were too low against the official limit and not report.

Date of Test : Mar. 02, 2009 Temperature : 25°C

EUT : Radio Control Humidity : 58%

Test Mode : Transmit, Channel: 38 (Frequency: 2442.240MHz), Position: Stand

	Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Horizontal dBμV	Emission Level Horizontal dBμV/m	Limits dBμV/m	Margin dB
Peak	1628.320	26.10	3.69	14.68	44.47	74.00	29.53
	3256.840	31.29	6.21	5.21	42.71	74.00	31.29
	4073.500	32.89	7.38	4.77	45.04	74.00	28.96
	4885.000	33.82	8.45	8.14	50.41	74.00	23.59
Average	1628.320	26.10	3.69	8.69	38.48	54.00	15.52
	3256.840	31.29	6.21	-1.23	36.27	54.00	17.73
	4073.500	32.89	7.38	-1.93	38.34	54.00	15.66
	4885.000	33.82	8.45	0.21	42.48	54.00	11.52

Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Measurement was up to 25GHz, but the emissions level were too low against the official limit and not report.

	Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dBμV	Emission Level Vertical dBμV/m	Limits dBμV/m	Margin dB
Peak	1628.320	26.10	3.69	15.89	45.68	74.00	28.32
	2283.520	28.40	4.98	9.15	42.53	74.00	31.47
	2607.760	29.28	5.38	10.30	44.96	74.00	29.04
	3259.480	31.29	6.21	11.54	49.04	74.00	24.96
	4070.500	32.89	7.38	3.33	43.60	74.00	30.40
	4885.000	33.82	8.45	4.39	46.66	74.00	27.34
Average	1628.320	26.10	3.69	8.48	38.27	54.00	15.73
	2283.520	28.40	4.98	3.74	37.12	54.00	16.88
	2607.760	29.28	5.38	2.01	36.67	54.00	17.33
	3259.480	31.29	6.21	4.91	42.41	54.00	11.59
	4070.500	32.89	7.38	-1.75	38.52	54.00	15.48
	4885.000	33.82	8.45	-2.26	40.01	54.00	13.99

Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Measurement was up to 25GHz, but the emissions level were too low against the official limit and not report.

Date of Test : Mar. 02, 2009 Temperature : 25°C
 EUT : Radio Control Humidity : 58%
 Test Mode : Transmit, Channel: 72 (Frequency: 2477.056MHz), Position: Stand

	Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Horizontal dBμV	Emission Level Horizontal dBμV/m	Limits dBμV/m	Margin dB
Peak	1653.520	26.22	3.71	17.97	47.90	74.00	26.10
	3193.480	31.17	6.38	15.15	52.70	74.00	21.30
	4133.500	32.87	7.49	8.11	48.47	74.00	25.53
	4963.000	33.99	8.84	10.81	53.64	74.00	20.36
Average	1653.520	26.22	3.71	10.56	40.49	54.00	13.51
	3193.480	31.17	6.38	6.67	44.22	54.00	9.78
	4133.500	32.87	7.49	2.12	42.48	54.00	11.52
	4963.000	33.99	8.84	4.67	47.50	54.00	6.50

Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Measurement was up to 25GHz, but the emissions level were too low against the official limit and not report.

	Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dBμV	Emission Level Vertical dBμV/m	Limits dBμV/m	Margin dB
Peak	1653.520	26.22	3.71	21.83	51.76	74.00	22.24
	2275.120	28.37	4.99	9.18	42.54	74.00	31.46
	2527.120	28.93	5.27	9.38	43.58	74.00	30.42
	3305.680	31.38	6.08	8.67	46.13	74.00	27.87
	4133.500	32.87	7.49	6.95	47.31	74.00	26.69
	4963.000	33.99	8.84	9.51	52.34	74.00	21.66
Average	1653.520	26.22	3.71	13.56	43.49	54.00	10.51
	2275.120	28.37	4.99	3.92	37.28	54.00	16.72
	2527.120	28.93	5.27	4.28	38.48	54.00	15.52
	3305.680	31.38	6.08	3.57	41.03	54.00	12.97
	4133.500	32.87	7.49	0.01	40.37	54.00	13.63
	4963.000	33.99	8.84	2.44	45.27	54.00	8.73

Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Measurement was up to 25GHz, but the emissions level were too low against the official limit and not report.

Date of Test : Mar. 02, 2009 Temperature : 25°C

EUT : Radio Control Humidity : 58%

Test Mode : Receive, Channel: 38 (Frequency: 2442.240MHz), Position: Stand

Measurement was up to 25GHz, but the emissions level were too low against the official limit and not report. The graphical results are attached in Appendix I.

3.6.3. Restricted Bands Measurement Results

Date of Test : Mar. 02, 2009 Temperature : 25°C

EUT : Radio Control Humidity : 58%

Test Mode : Transmit, Channel: 02, Frequency: 2405.376MHz

	Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Horizontal dBμV	Emission Level Horizontal dBμV/m	Limits dBμV/m	Margin dB
Peak *	2387.770	28.59	5.22	5.86	39.67	74.00	34.33
Average *	2386.670	28.59	5.22	-4.37	29.44	54.00	24.56

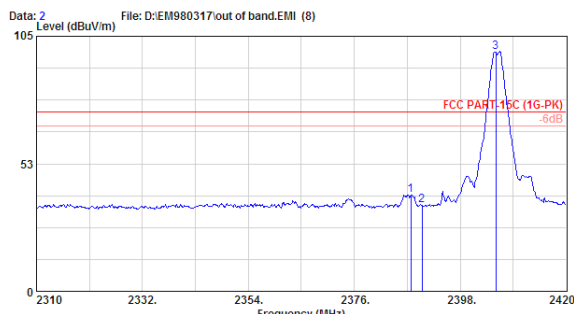
- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Low frequency section (spurious in the restricted band 2310-2390MHz).
 3. '*' The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.



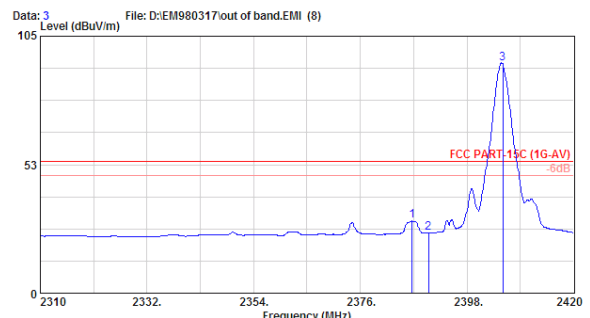
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Trace: (Discrete)
 Site no. : A/C Chamber Data no. : 2
 Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
 Limit : FCC PART-15C (1G-PK)
 Env. / Ins. : 8564EC 25°C/58% Engineer : Jarwei Wang
 EUT : Radio Control M/N:T10CG-2.4G
 Power Rating : DC 9.6V
 Test Mode : TX2405.376MHz



Trace: (Discrete)
 Site no. : A/C Chamber Data no. : 3
 Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
 Limit : FCC PART-15C (1G-AV)
 Env. / Ins. : 8564EC 25°C/58% Engineer : Jarwei Wang
 EUT : Radio Control M/N:T10CG-2.4G
 Power Rating : DC 9.6V
 Test Mode : TX2405.376MHz

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1 2387.770	28.59	5.22	5.86	39.67	74.00	34.33	Peak
2 2390.080	28.59	5.22	1.43	35.24	74.00	38.76	Peak
3 2405.370	28.63	5.22	64.55	98.40	74.00	-24.40	Peak

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

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1 2386.670	28.59	5.22	-4.37	29.44	54.00	24.56	Average
2 2390.080	28.59	5.22	-9.22	24.59	54.00	29.41	Average
3 2405.370	28.63	5.22	59.97	93.82	54.00	-39.82	Average

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

Date of Test : Mar. 02, 2009 Temperature : 25°C

EUT : Radio Control Humidity : 58%

Test Mode : Transmit, Channel: 02, Frequency: 2405.376MHz

	Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dBμV	Emission Level Vertical dBμV/m	Limits dBμV/m	Margin dB
Peak *	2386.670	28.59	5.22	12.77	46.58	74.00	27.42
Average *	2374.240	28.57	5.18	2.67	36.42	54.00	17.58

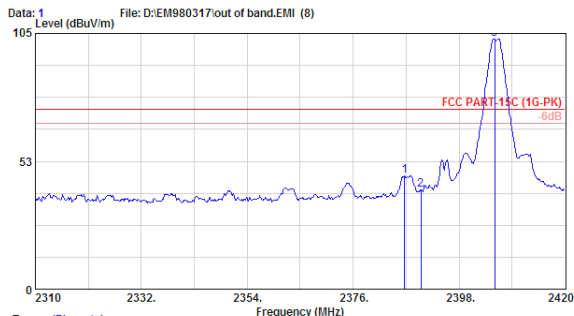
- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. Low frequency section (spurious in the restricted band 2310-2390MHz).
 3. ‘*’ The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.



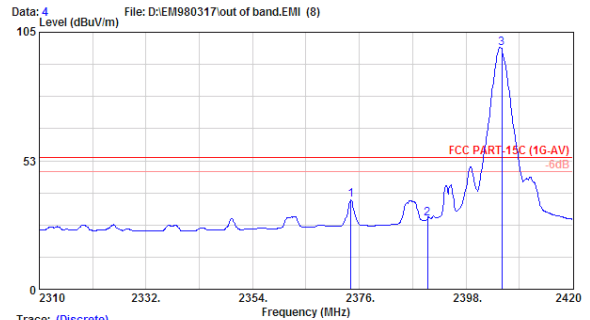
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Trace: (Discrete)
 Site no. : A/C Chamber Data no. : 1
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : FCC PART-15C (1G-PK)
 Env. / Ins. : 8564EC 25°C/58% Engineer : Jarwei Wang
 EUT : Radio Control M/N:T10CG-2.4G
 Power Rating : DC 9.6V
 Test Mode : TX2405.376MHz



Trace: (Discrete)
 Site no. : A/C Chamber Data no. : 4
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : FCC PART-15C (1G-AV)
 Env. / Ins. : 8564EC 25°C/58% Engineer : Jarwei Wang
 EUT : Radio Control M/N:T10CG-2.4G
 Power Rating : DC 9.6V
 Test Mode : TX2405.376MHz

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2386.670	28.59	5.22	12.77	46.58	74.00	27.42	Peak
2	2390.080	28.59	5.22	6.78	40.59	74.00	33.41	Peak
3	2405.370	28.63	5.22	68.85	102.70	74.00	-28.70	Peak

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

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2374.240	28.57	5.18	2.67	36.42	54.00	17.58	Average
2	2390.080	28.59	5.22	-4.82	28.99	54.00	25.01	Average
3	2405.370	28.63	5.22	64.57	98.42	54.00	-44.42	Average

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

Date of Test : Mar. 02, 2009 Temperature : 25°C

EUT : Radio Control Humidity : 58%

Test Mode : Transmit, Channel: 72, Frequency: 2477.056MHz

	Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Horizontal dBμV	Emission Level Horizontal dBμV/m	Limits dBμV/m	Margin dB
Peak *	2485.500	28.77	5.23	9.84	43.84	74.00	30.16
Average *	2484.520	28.77	5.23	6.34	40.34	54.00	13.66

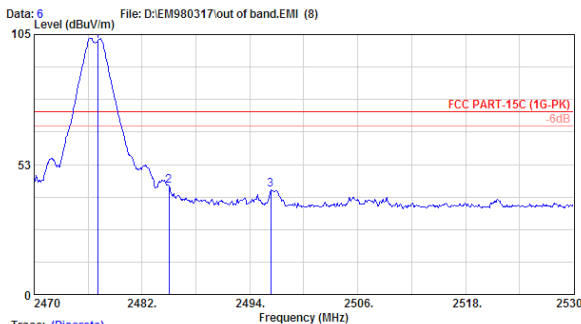
- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. High frequency section (spurious in the restricted band 2483.5-2500MHz).
 3. ‘*’ The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.



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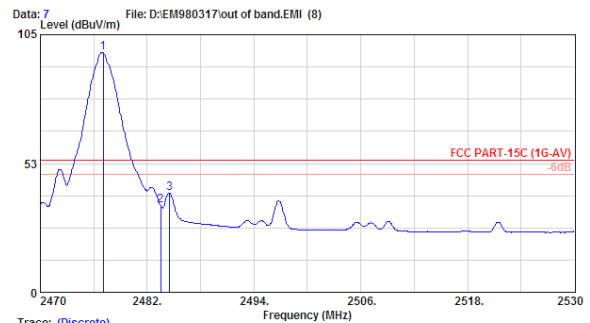
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Site no. : A/C Chamber Data no. : 6
 Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
 Limit : FCC PART-15C (1G-PK)
 Env. / Ins. : 8564EC 23°C/53% Engineer : Jarwei Wang
 EUT : Radio Control M/N:HFM12-MC
 Power Rating : DC 9.6V
 Test Mode : TX2477.056

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1 2477.080	28.76	5.23	68.39	102.38	74.00	-28.38	Peak
2 2485.000	28.77	5.23	9.84	43.84	74.00	30.16	Peak
3 2496.340	28.80	5.23	8.23	42.26	74.00	31.74	Peak

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



Site no. : A/C Chamber Data no. : 7
 Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
 Limit : FCC PART-15C (1G-AV)
 Env. / Ins. : 8564EC 23°C/53% Engineer : Jarwei Wang
 EUT : Radio Control M/N:HFM12-MC
 Power Rating : DC 9.6V
 Test Mode : TX2477.056

Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1 2477.080	28.76	5.23	63.59	97.58	54.00	-43.58	Average
2 2483.500	28.77	5.23	1.29	35.30	54.00	18.70	Average
3 2484.520	28.77	5.23	6.34	40.34	54.00	13.66	Average

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

Date of Test : Mar. 02, 2009 Temperature : 25°C

EUT : Radio Control Humidity : 58%

Test Mode : Transmit, Channel: 72, Frequency: 2477.056MHz

	Emission Frequency MHz	Antenna Factor dB/m	Cable Loss dB	Meter Reading Vertical dBμV	Emission Level Vertical dBμV/m	Limits dBμV/m	Margin dB
Peak *	2484.520	28.77	5.23	18.22	52.22	74.00	21.78
Average *	2484.520	28.77	5.23	11.70	45.70	54.00	8.30

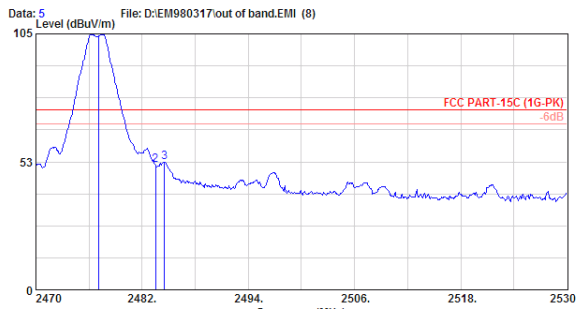
- Remark : 1. Emission Level = Antenna Factor + Cable Loss + Meter Reading.
 2. High frequency section (spurious in the restricted band 2483.5-2500MHz).
 3. ‘*’ The field strength of emission appearing within Part 15.205(a) shall not exceed the limits shown in section 15.209.



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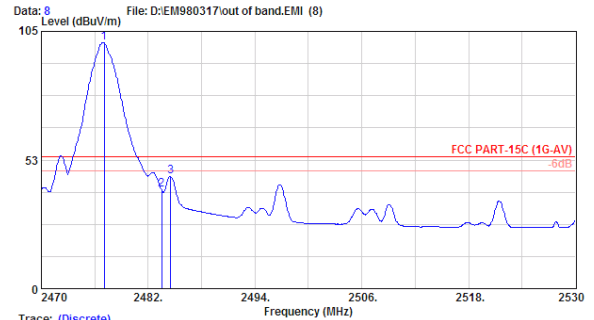
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Trace: (Discrete)
 Site no. : A/C Chamber Data no. : 5
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : FCC PART-15C (1G-PK)
 Env. / Ins. : 8564EC 23°C/53% Engineer : Jarwei Wang
 EUT : Radio Control M/N:HFM12-MC
 Power Rating : DC 9.6V
 Test Mode : TX2477.056

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2477.080	28.76	5.23	70.07	104.06	74.00	-30.06	Peak
2	2483.500	28.77	5.23	17.10	51.10	74.00	22.90	Peak
3	2484.520	28.77	5.23	18.22	52.22	74.00	21.78	Peak

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



Trace: (Discrete)
 Site no. : A/C Chamber Data no. : 8
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : FCC PART-15C (1G-AV)
 Env. / Ins. : 8564EC 23°C/53% Engineer : Jarwei Wang
 EUT : Radio Control M/N:HFM12-MC
 Power Rating : DC 9.6V
 Test Mode : TX2477.056

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Remark
1	2477.080	28.76	5.23	66.26	100.25	54.00	-46.25	Average
2	2483.500	28.77	5.23	6.23	40.23	54.00	13.77	Average
3	2484.520	28.77	5.23	11.70	45.70	54.00	8.30	Average

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

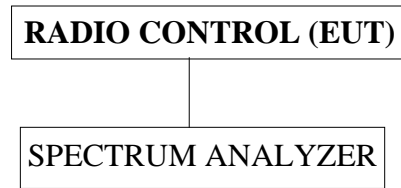
4. 6dB BANDWIDTH MEASUREMENT

4.1. Test Equipment

The following test equipment was used during the Emission 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)(2))

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

4.4. Operating Condition of EUT

The test program “Futaba Term” was used to enable the EUT to transmit data at different channel frequency individually.

4.5. Test Procedure

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 6dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6dB.

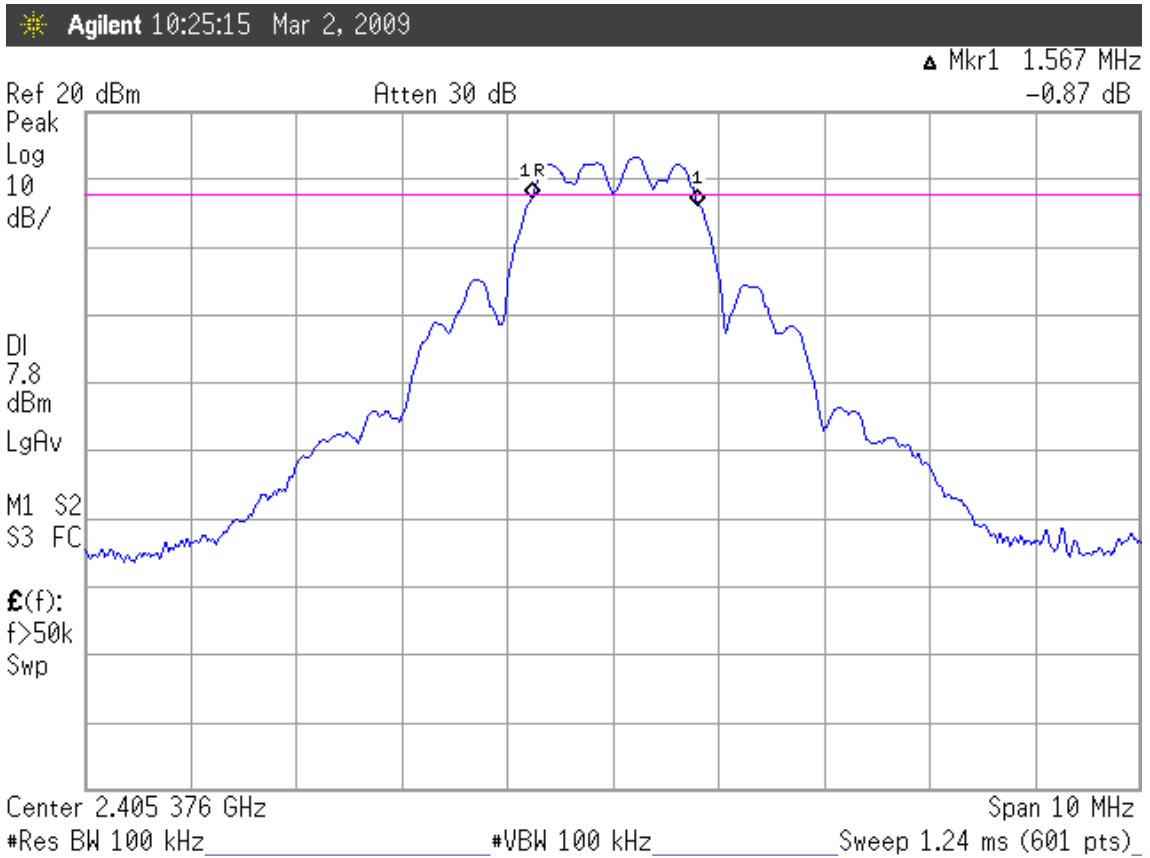
4.6. Test Results

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

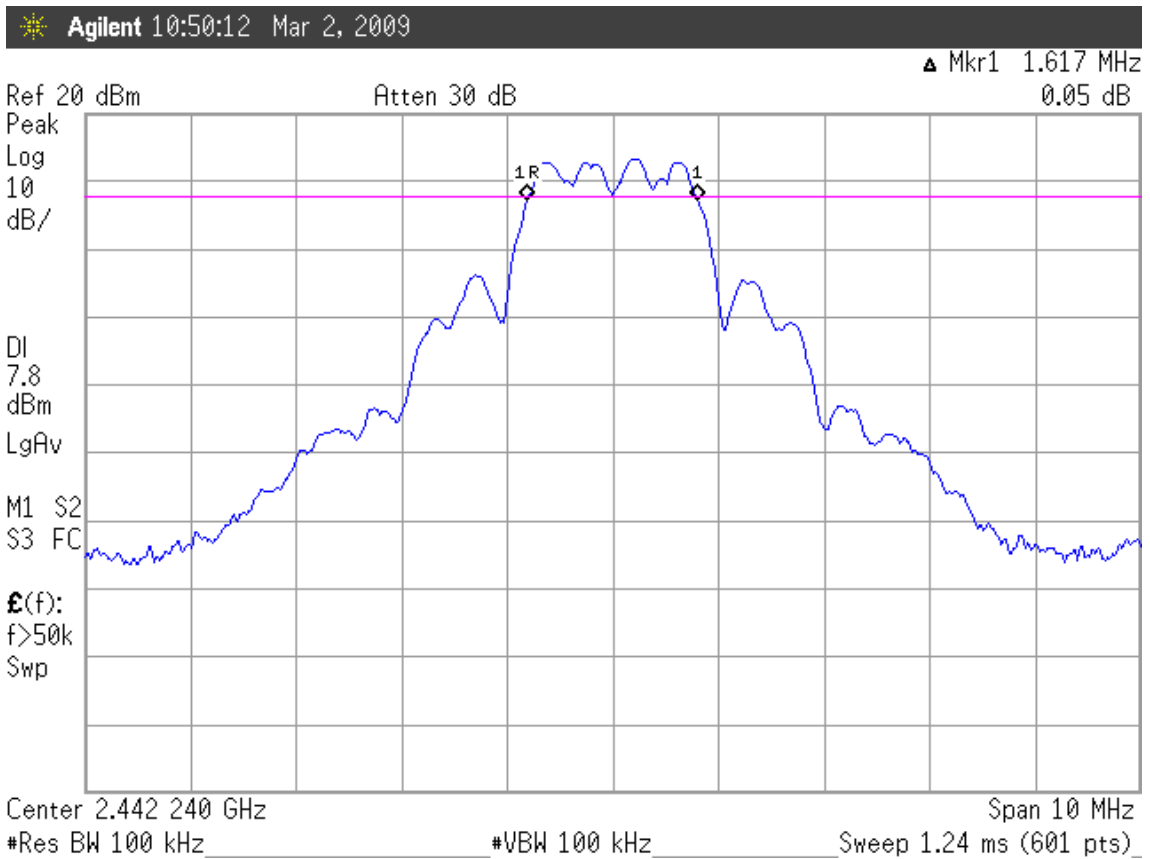
(Test Date : Mar. 02, 2009 Temperature : 25°C Humidity : 56 %)

Channel	Frequency	6dB Bandwidth
0	2405.376MHz	1.567MHz
38	2442.240MHz	1.617MHz
72	2477.056MHz	1.650MHz

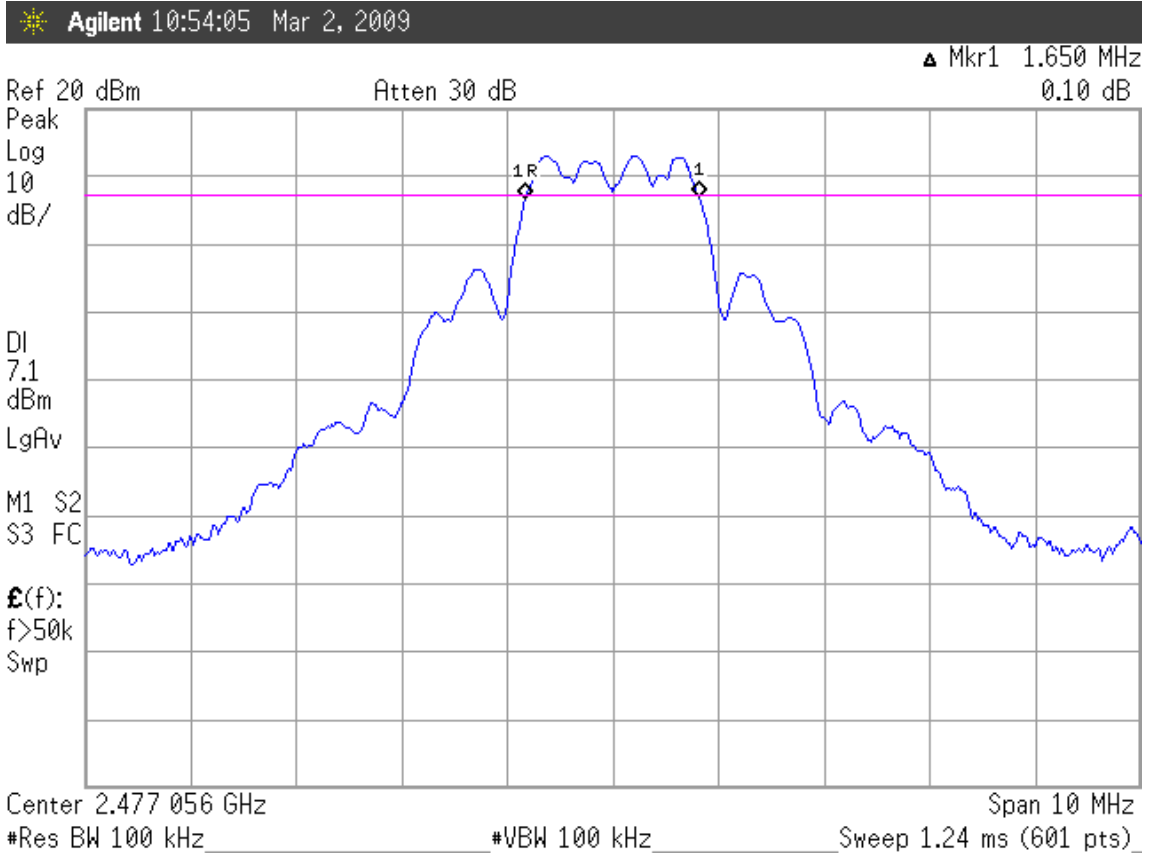
Frequency: 2405.376MHz



Frequency: 2442.240MHz



Frequency: 2477.056MHz



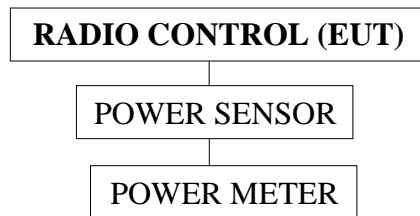
5. MAXIMUM PEAK OUTPUT POWER MEASUREMENT

5.1. 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	Feb. 19, 09'	Feb. 18, 10'
2.	Power Sensor	Anritsu	MA2491A	030873	Feb. 19, 09'	Feb. 18, 10'

5.2. Block Diagram of Test Setup



5.3. Specification Limits (§15.247(b)-(3))

The Limits of maximum Peak Output Power for digital modulation in 2400-2483.5MHz is : 1Watt. (30dBm)

5.4. Operating Condition of EUT

The test program “Futaba Term” was used to enable the EUT to transmit data at different channel frequency individually.

5.5. Test Procedure

The transmitter output was connected to the power meter that was designed to detect peak value automatically.

5.6. Test Results

PASSED. All the test results are listed below.

(Test Date : Mar. 02, 2009 Temperature : 25°C Humidity : 56 %)

Channel	Frequency	Peak Output Power	Limit
02	2405.376MHz	17.05dBm	30dBm
38	2442.240MHz	17.66dBm	30dBm
72	2477.056MHz	17.93dBm	30dBm

6. EMISSION LIMITATIONS MEASUREMENT

6.1. Test Equipment

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

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(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)

6.4. Operating Condition of EUT

The test program “Futaba Term” was used to enable the EUT to transmit data at different channel frequency individually.

6.5. Test Procedure

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.

6.6. Test Results

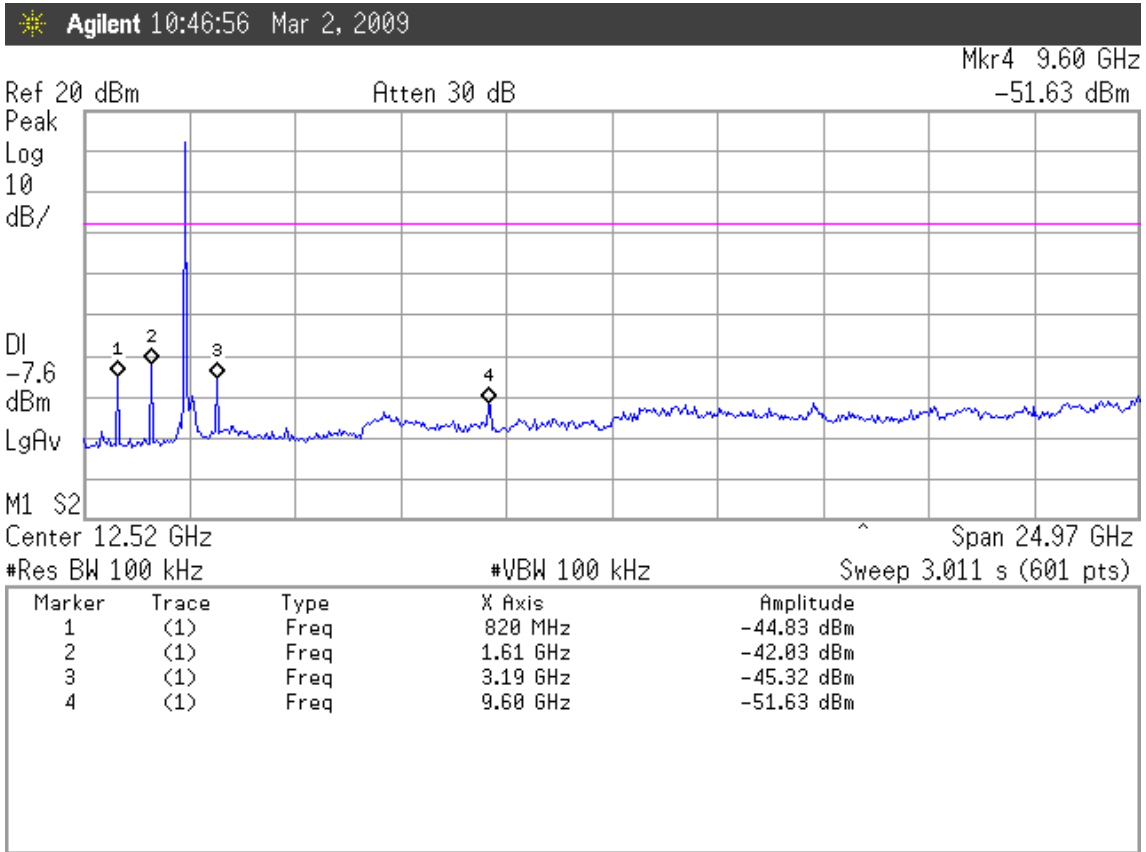
PASSED. The testing data was attached in the next pages.

(Test Date : Mar. 02, 2009 Temperature : 25°C Humidity : 56 %)

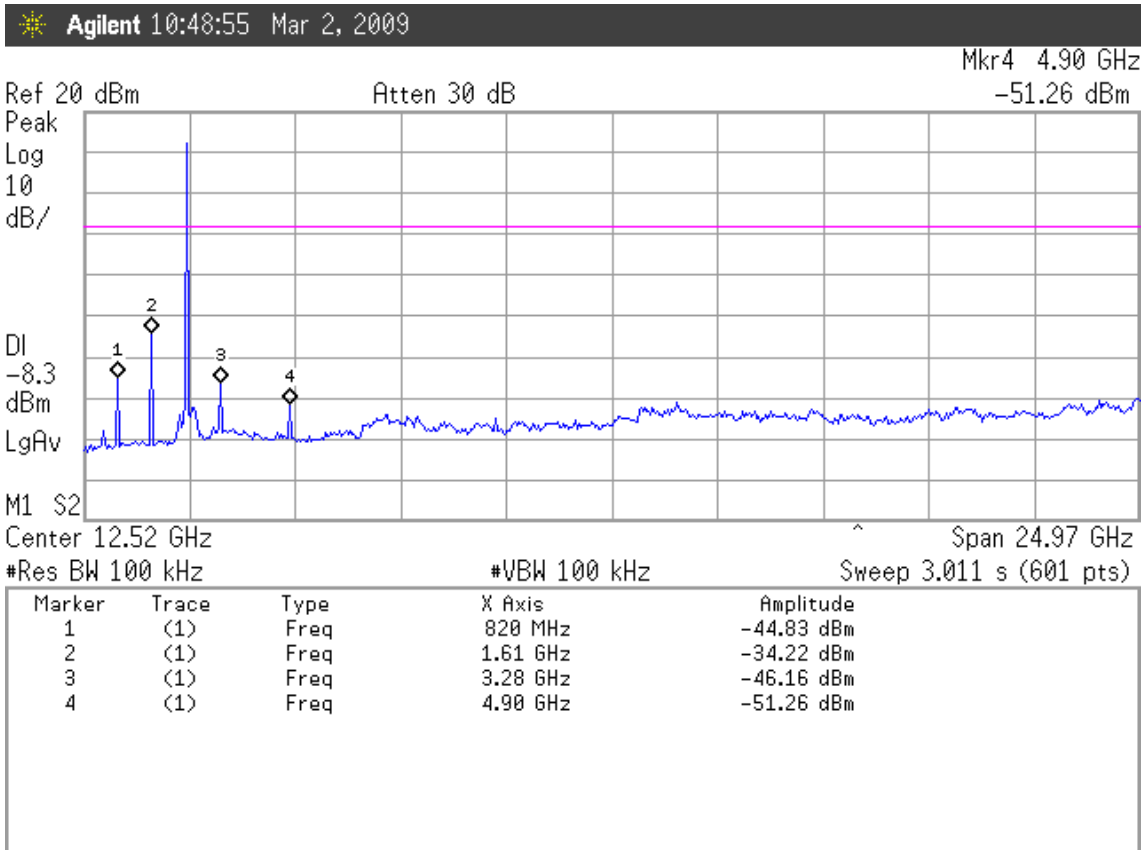
1. 2405.376MHz: During 30MHz~25GHz bandwidth. In the 1.61GHz, the -42.03dBm is max value that is lower than 20dB of primary channel.
2. 2442.240MHz: During 30MHz~25GHz bandwidth. In the 1.61GHz, the -34.22dBm is max value that is lower than 20dB of primary channel.
3. 2477.056MHz: During 30MHz~25GHz bandwidth. In the 1.65GHz, the -32.61dBm is max value that is lower than 20dB of primary channel.

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

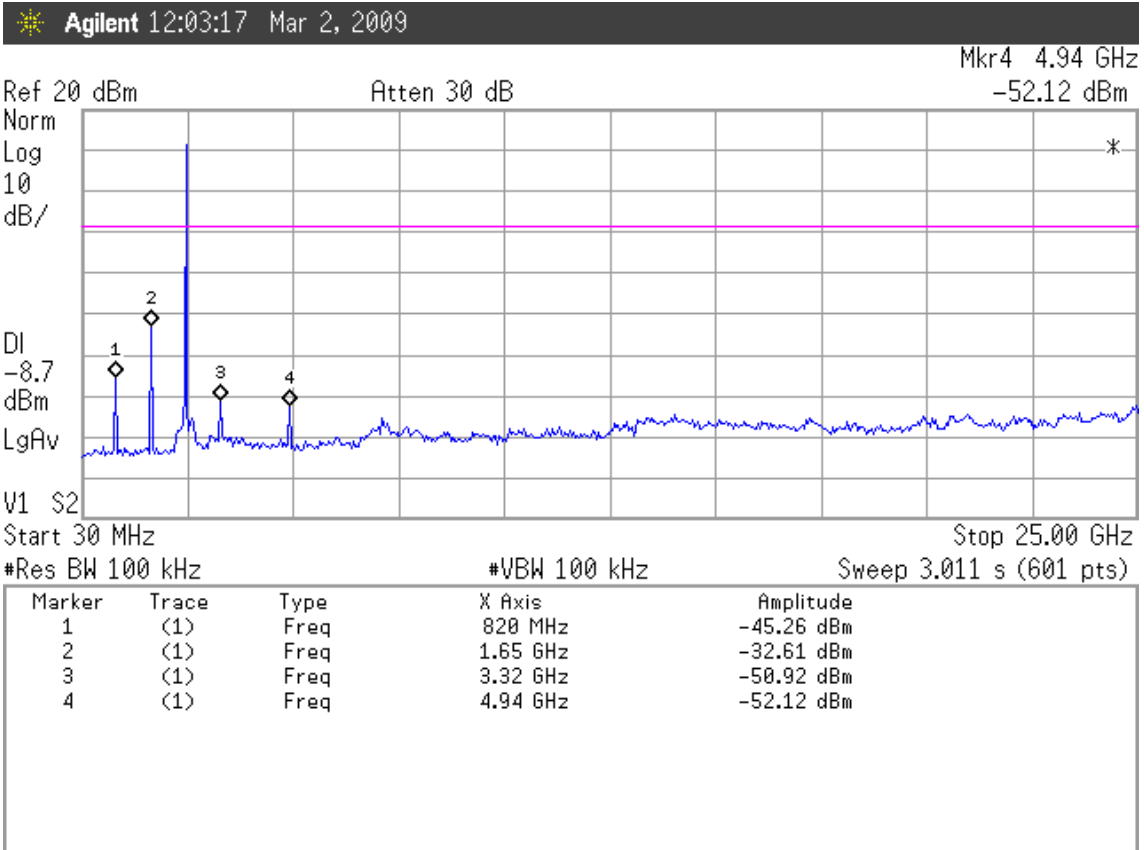
Frequency: 2405.376MHz



Frequency: 2442.240MHz



Frequency: 2477.056MHz



7. BAND EDGES MEASUREMENT

7.1. 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'

7.2. Block Diagram of Test Setup

The same as section.4.2.

7.3. Specification Limits (§15.247(c))

The highest level should be at least 20 dB below that in the 100kHz bandwidth.

7.4. Operating Condition of EUT

The test program “Futaba Term” was used to enable the EUT to transmit data at different channel frequency individually.

7.5. Test Procedure

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.

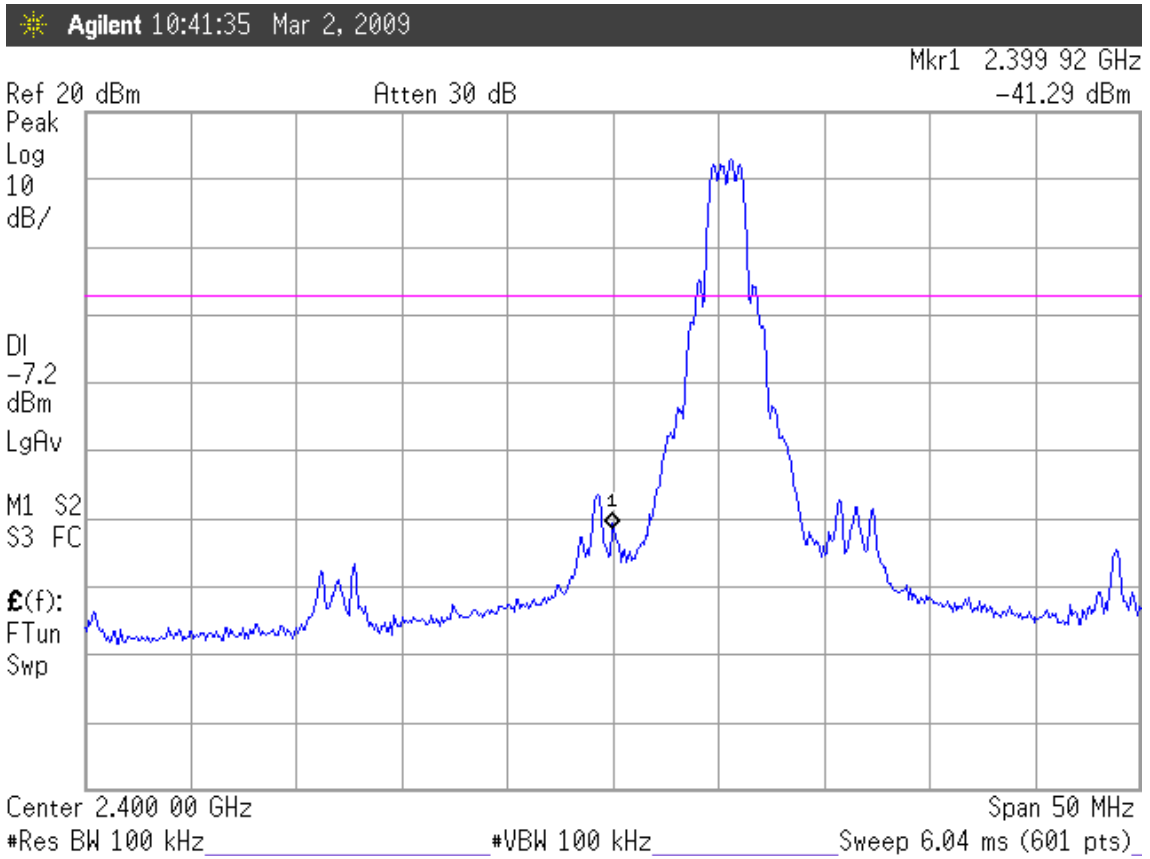
7.6. Test Results

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

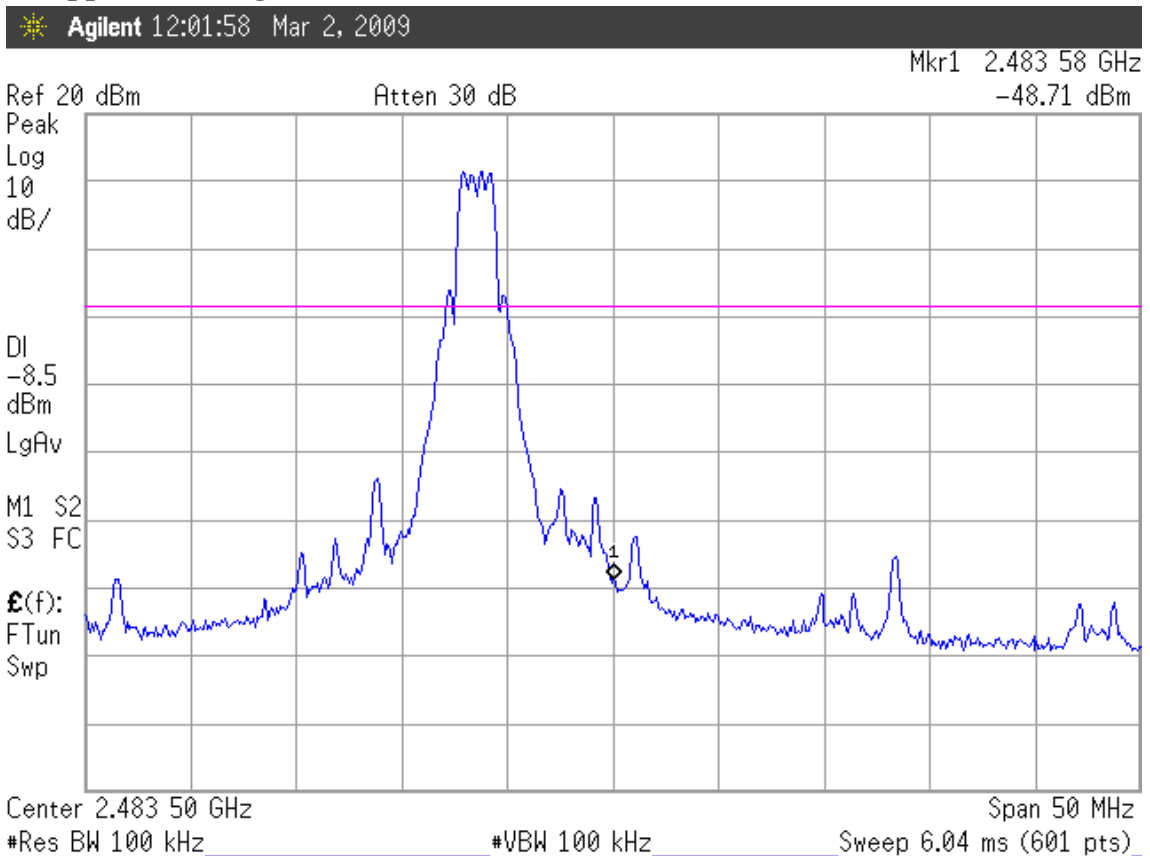
(Test Date : Mar. 02, 2009 Temperature : 25°C Humidity : 56 %)

1. Below Band edge: The highest emission level is -41.29dBm on 2.39992GHz ◦
2. Upper Band edge : The highest emission level is -48.71dBm on 2.48358GHz ◦

Below Band edge



Upper Band edge



8. POWER SPECTRAL DENSITY MEASUREMENT

8.1. Test Equipment

The following test equipment was used during the power spectral density measurement:

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

8.2. Block Diagram of Test Setup

The same as section.4.2.

8.3. Specification Limits (§15.247(d))

The peak power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3kHz band.

8.4. Operating Condition of EUT

The test program “Futaba Term” was used to enable the EUT to transmit data at different channel frequency individually.

8.5. Test Procedure

The transmitter output was connected to the spectrum analyzer. The bandwidth of the fundamental frequency was measured with the spectrum analyzer using 3kHz RBW and 30kHz VBW, set sweep time = span/300kHz.

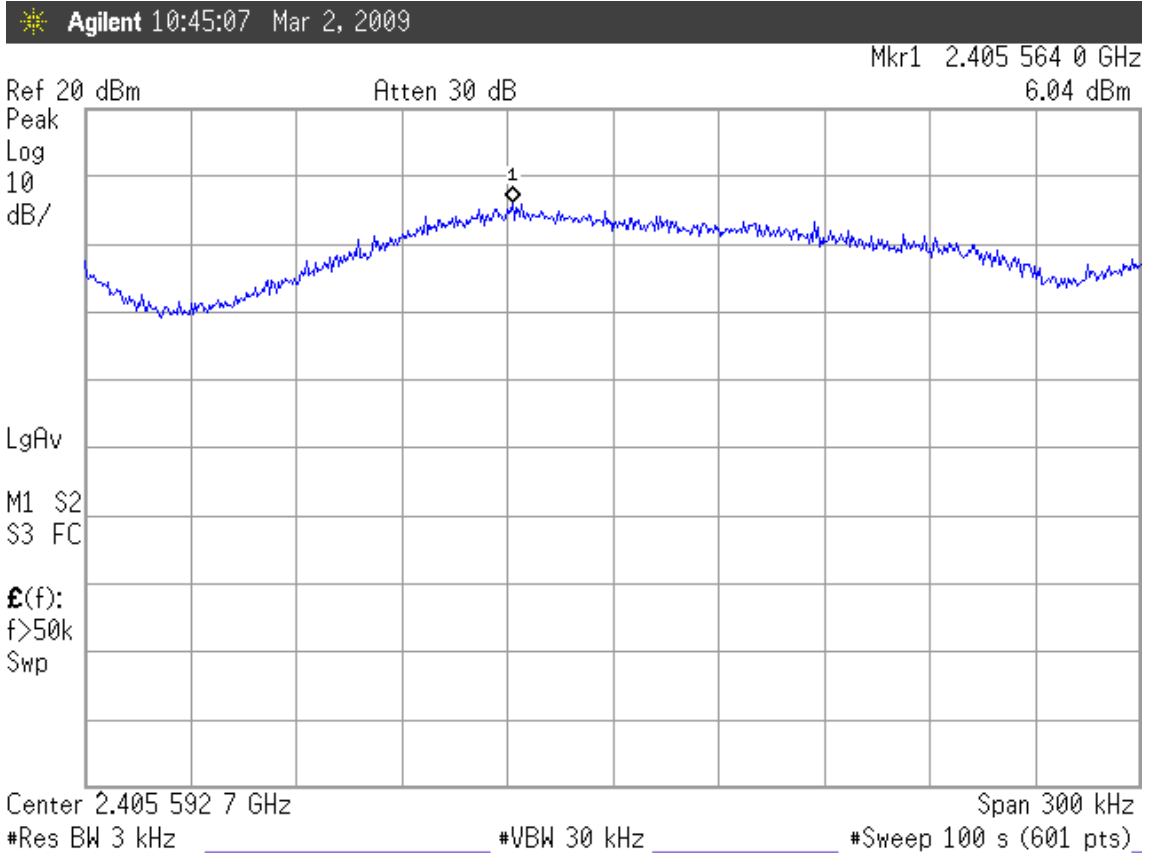
8.6. Test Results

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

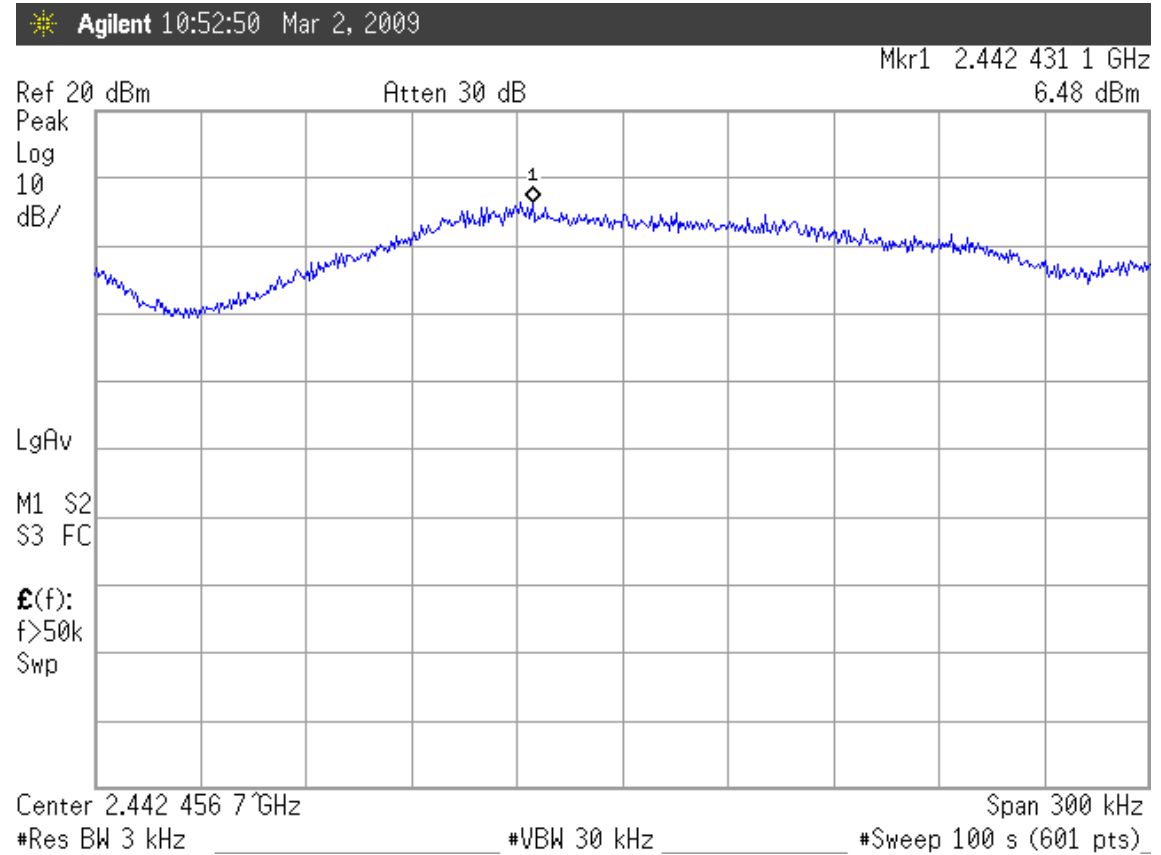
(Test Date : Mar. 02, 2009 Temperature : 25°C Humidity : 56 %)

Channel	Frequency	Power Spectral Density	Limit
02	2405.376MHz	6.04dBm	8dBm
38	2442.240MHz	6.48dBm	8dBm
72	2477.056MHz	6.09dBm	8dBm

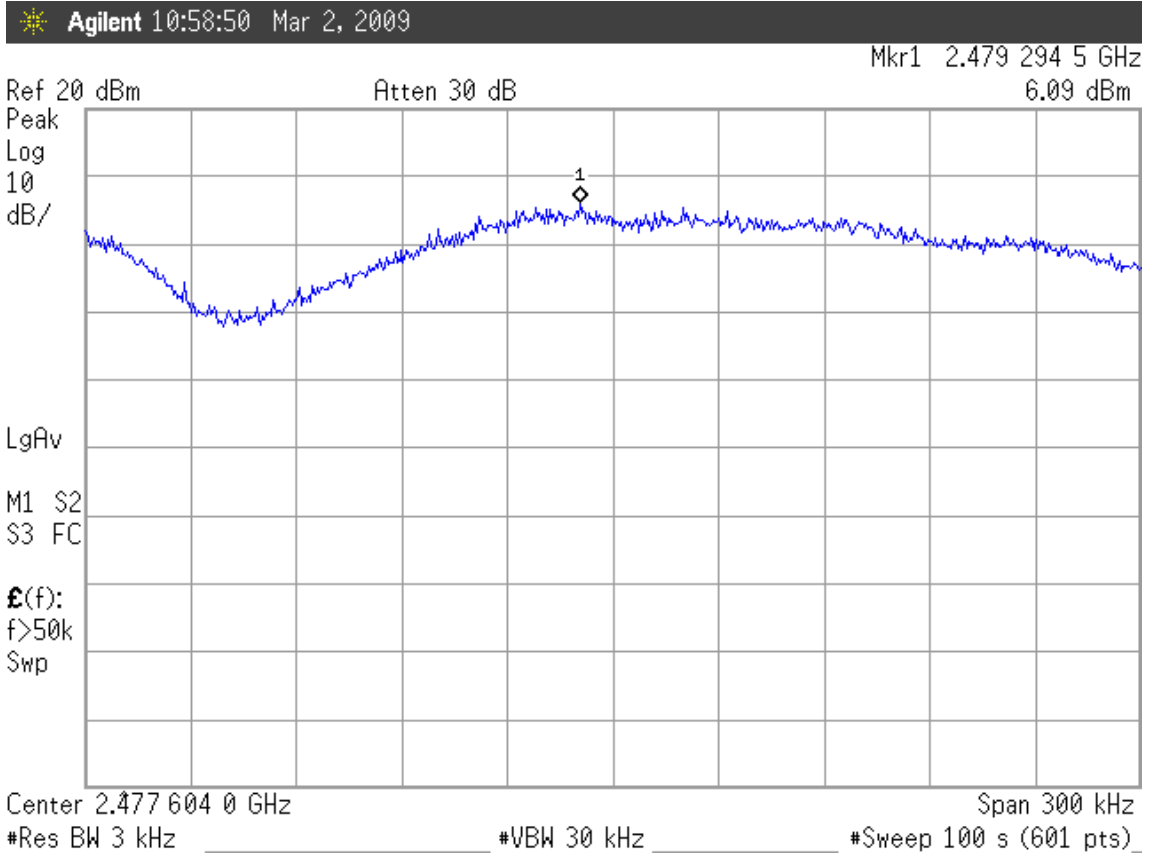
Frequency: 2405.376MHz



Frequency: 2442.240MHz



Frequency: 2477.056MHz



9. DEVIATION TO TEST SPECIFICATIONS

【NONE】

10. PHOTOGRAPHS

10.1. Photos of Conducted Disturbance Measurement



FRONT VIEW OF CONDUCTED MEASUREMENT

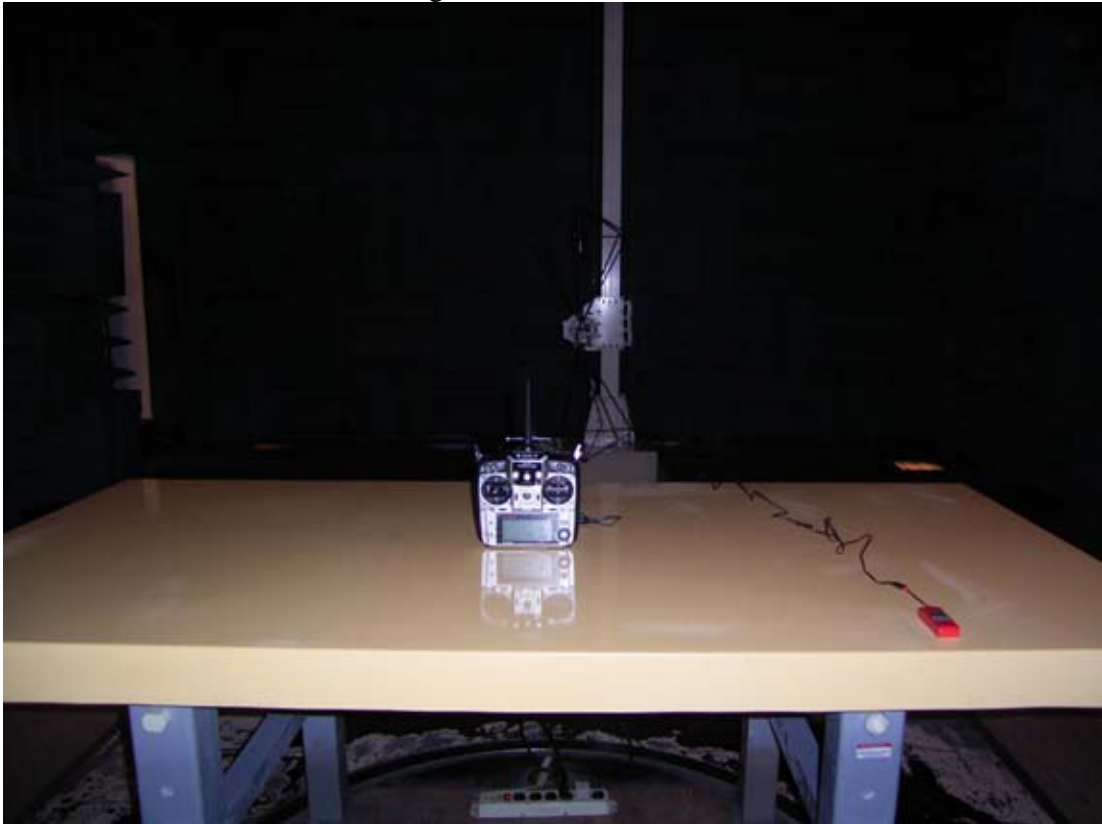


BACK VIEW OF CONDUCTED MEASUREMENT

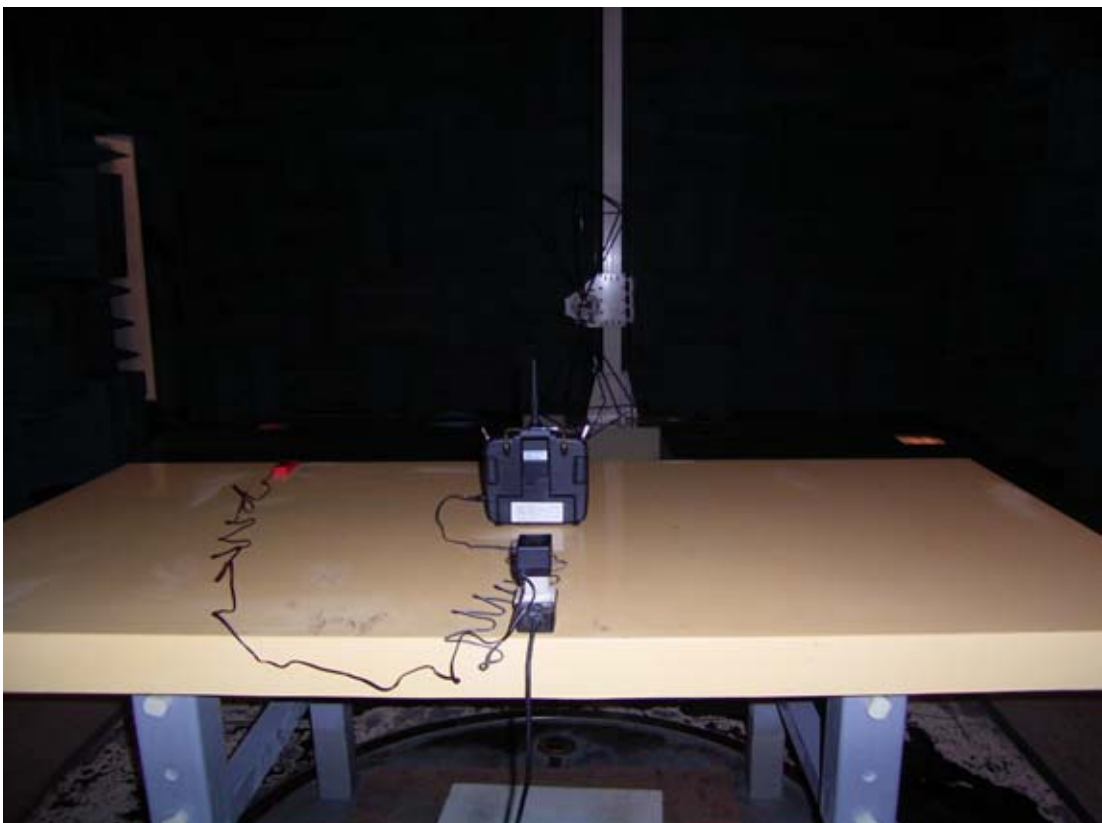
10.2.Photos of Radiated Measurement at Semi-Anechoic Chamber

10.2.1. Frequency Below 1GHz

Test Mode: Charge

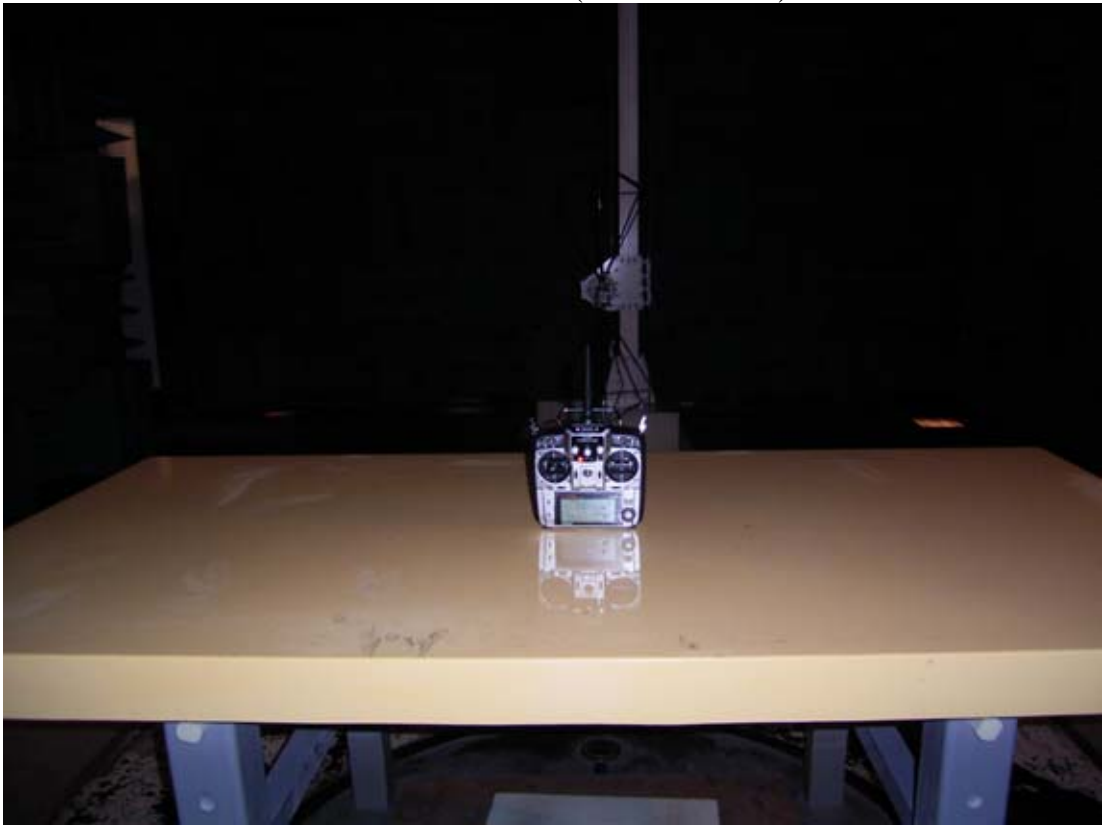


FRONT VIEW OF RADIATED MEASUREMENT



BACK VIEW OF RADIATED MEASUREMENT

Test Mode: Transmit and Receiver (Position: Stand)



10.2.2. Frequency Above 1GHz

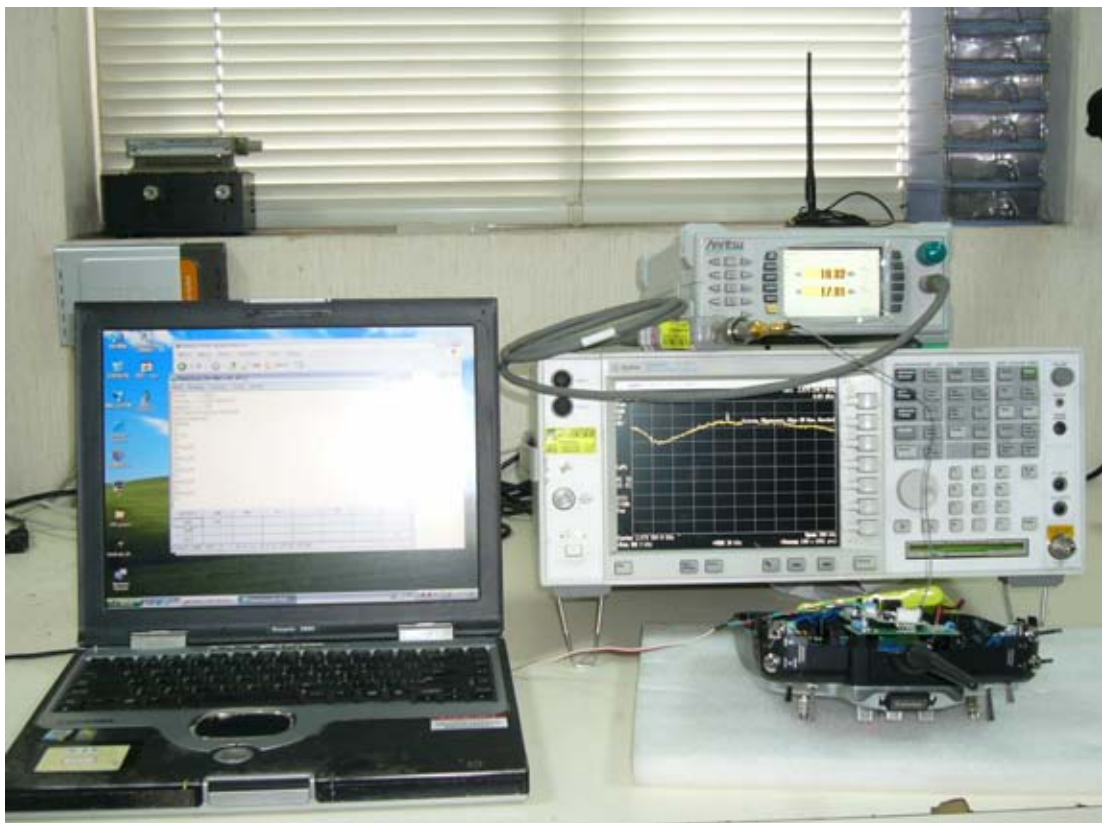
Test Mode: Transmit and Receiver (Position: Stand)



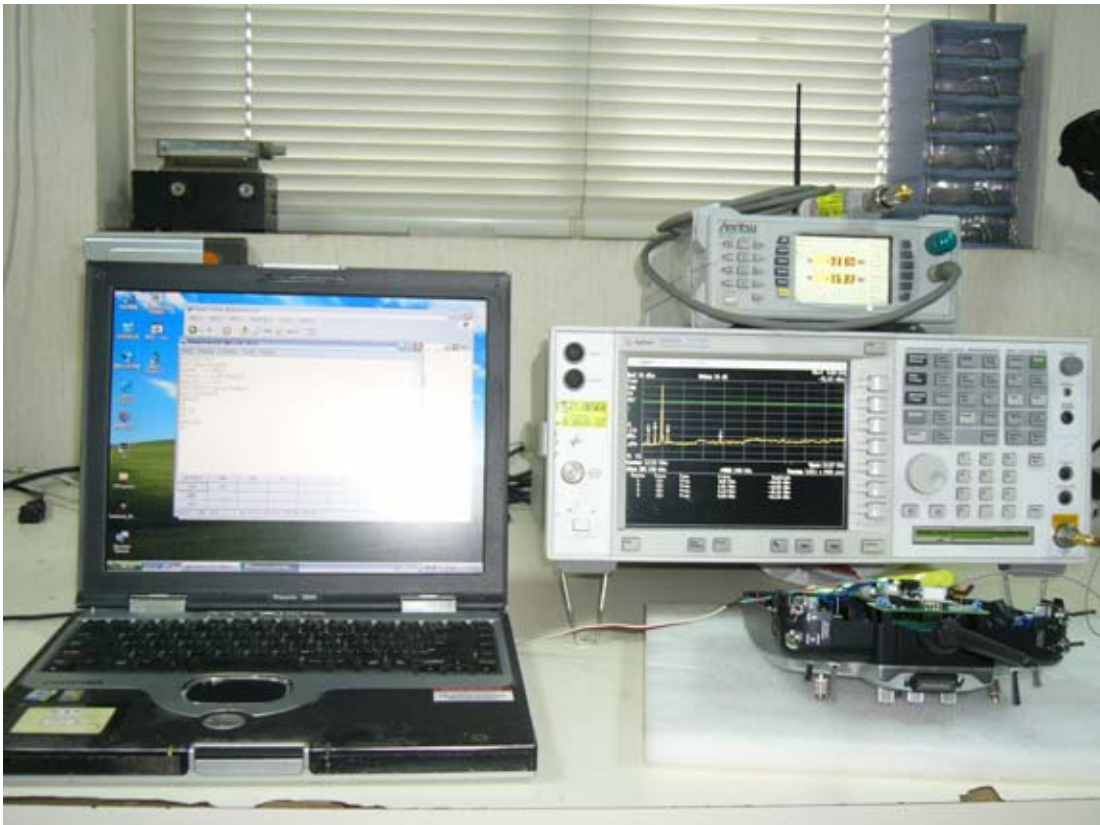
10.3. Photo of 6dB Bandwidth Measurement



10.4. Photo of Maximum Peak Output Measurement



10.5. Photo of Emission Limitations Measurement



10.6. Photo of Band Edges Measurement



10.7. Photo of Power Spectral Density Measurement



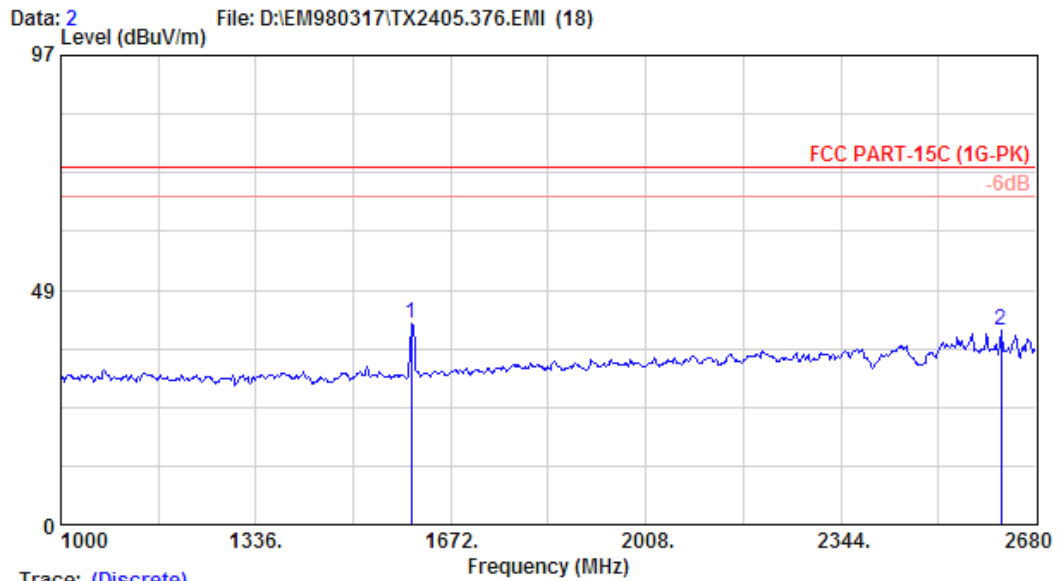
APPENDIX I

(Radiated Test Data for frequency rang above
1GHz at Semi-Anechoic Chamber)

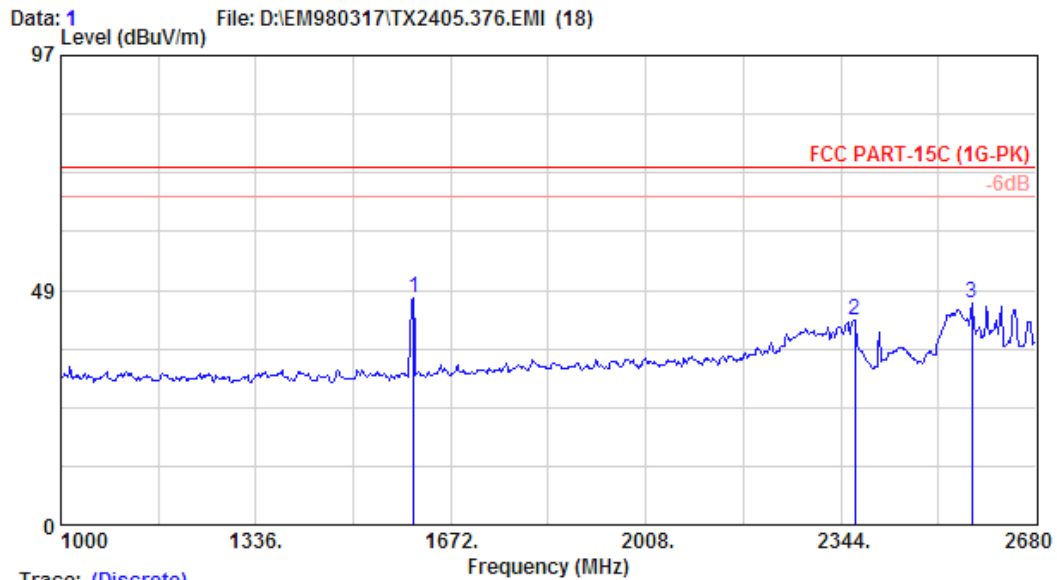
Total Pages: 28 Pages



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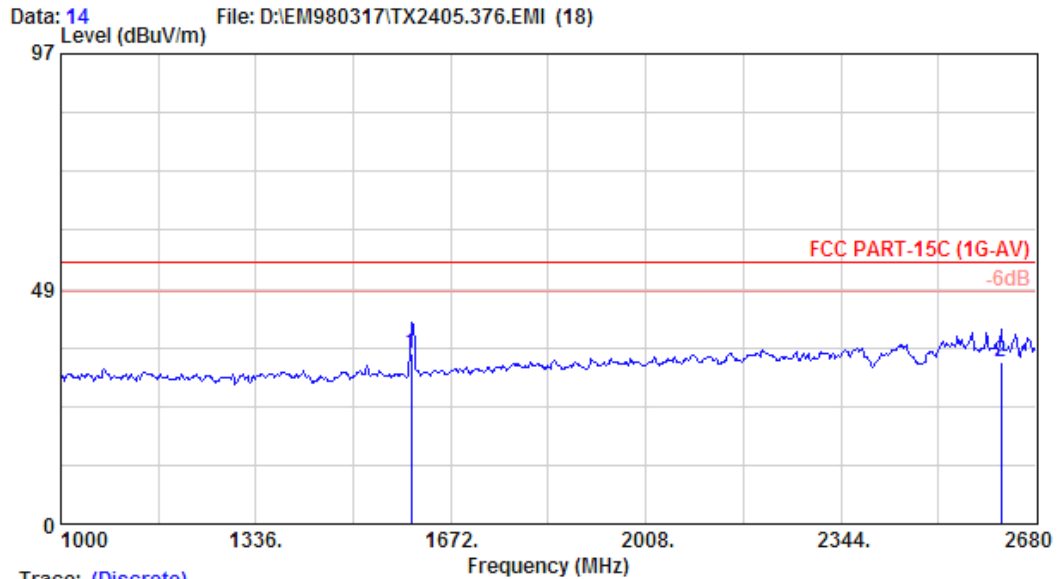
Site no. : A/C Chamber	Data no. : 2
Dis. / Ant. : 3m 3115	Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-PK)	
Env. / Ins. : 8564EC 25*C/58%	Engineer : Jarwei Wang
EUT : Radio Control M/N:T10CG-2.4G	
Power Rating : DC 9.6V	
Test Mode : TX2405.376MHz	



Site no. : A/C Chamber	Data no. : 1
Dis. / Ant. : 3m 3115	Ant. pol. : VERTICAL
Limit : FCC PART-15C (1G-PK)	
Env. / Ins. : 8564EC 25*C/58%	Engineer : Jarwei Wang
EUT : Radio Control M/N:T10CG-2.4G	
Power Rating : DC 9.6V	
Test Mode : TX2405.376MHz	

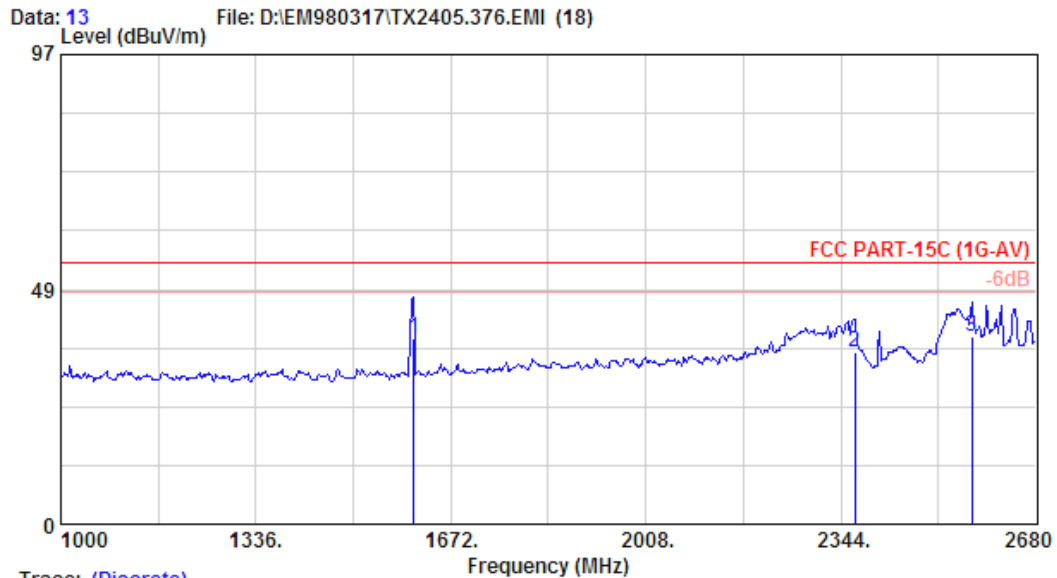


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Trace: (Discrete)

Site no. : A/C Chamber	Data no. : 14
Dis. / Ant. : 3m 3115	Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-AV)	
Env. / Ins. : 8564EC 25*C/58%	Engineer : Jarwei Wang
EUT : Radio Control M/N:T10CG-2.4G	
Power Rating : DC 9.6V	
Test Mode : TX2405.376MHz	

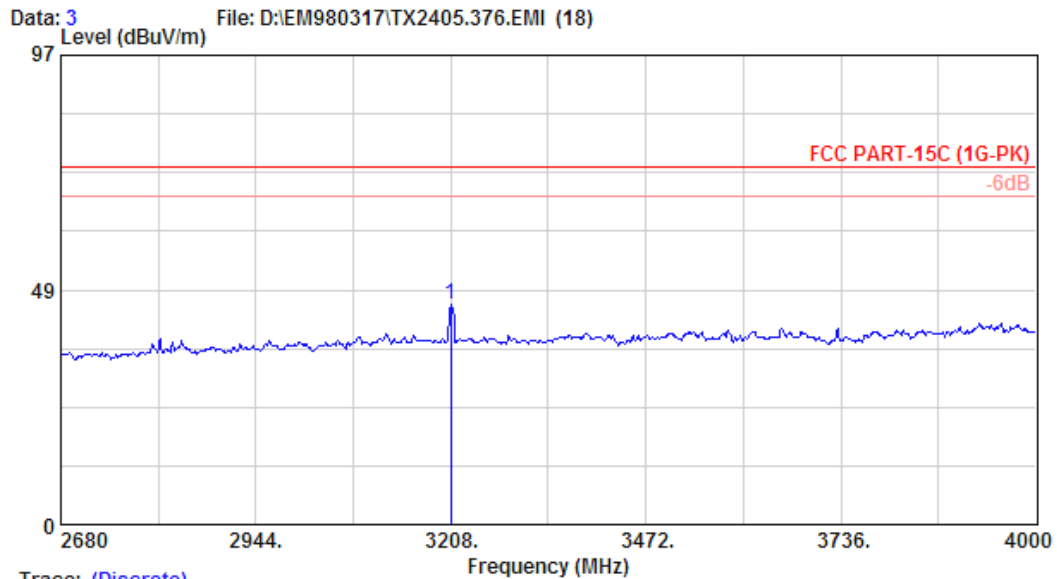


Trace: (Discrete)

Site no. : A/C Chamber	Data no. : 13
Dis. / Ant. : 3m 3115	Ant. pol. : VERTICAL
Limit : FCC PART-15C (1G-AV)	
Env. / Ins. : 8564EC 25*C/58%	Engineer : Jarwei Wang
EUT : Radio Control M/N:T10CG-2.4G	
Power Rating : DC 9.6V	
Test Mode : TX2405.376MHz	

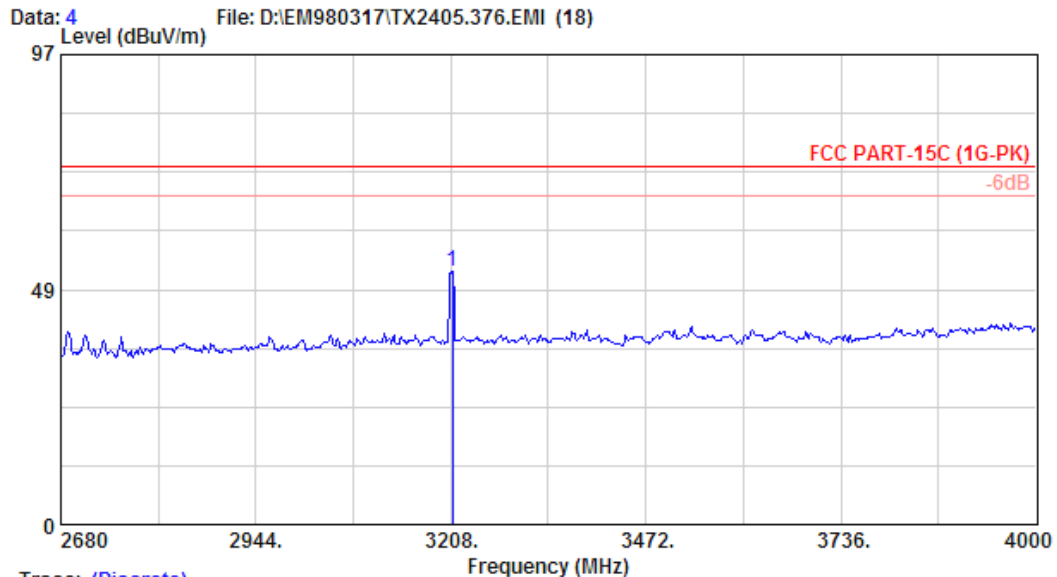


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Trace: (Discrete)

Site no. : A/C Chamber	Data no. : 3
Dis. / Ant. : 3m 3115	Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-PK)	
Env. / Ins. : 8564EC 25*C/58%	Engineer : Jarwei Wang
EUT : Radio Control M/N:T10CG-2.4G	
Power Rating : DC 9.6V	
Test Mode : TX2405.376MHz	



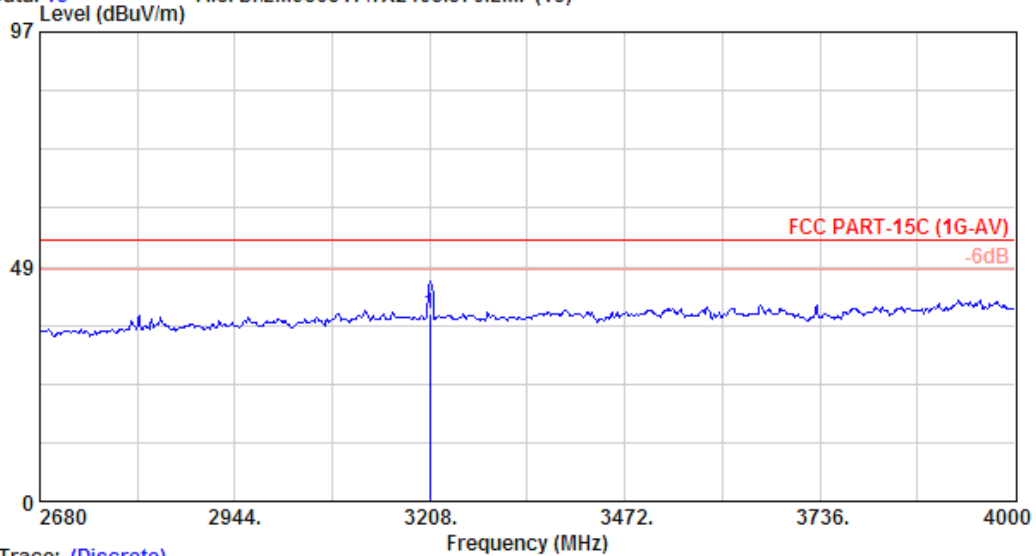
Trace: (Discrete)

Site no. : A/C Chamber	Data no. : 4
Dis. / Ant. : 3m 3115	Ant. pol. : VERTICAL
Limit : FCC PART-15C (1G-PK)	
Env. / Ins. : 8564EC 25*C/58%	Engineer : Jarwei Wang
EUT : Radio Control M/N:T10CG-2.4G	
Power Rating : DC 9.6V	
Test Mode : TX2405.376MHz	



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 Email:ttemc@ttemc.com.tw

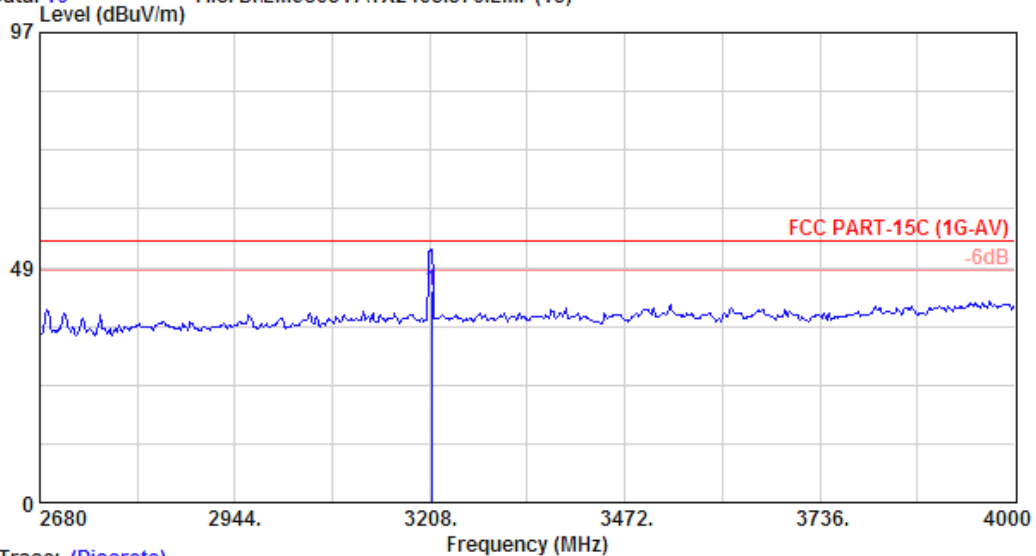
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Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 15
Dis. / Ant.	: 3m 3115	Ant. pol.	: HORIZONTAL
Limit	: FCC PART-15C (1G-AV)		
Env. / Ins.	: 8564EC 25*C/58%	Engineer	: Jarwei Wang
EUT	: Radio Control M/N:T10CG-2.4G		
Power Rating	: DC 9.6V		
Test Mode	: TX2405.376MHz		

Data: 16 File: D:\EM980317\TX2405.376.EMI (18)

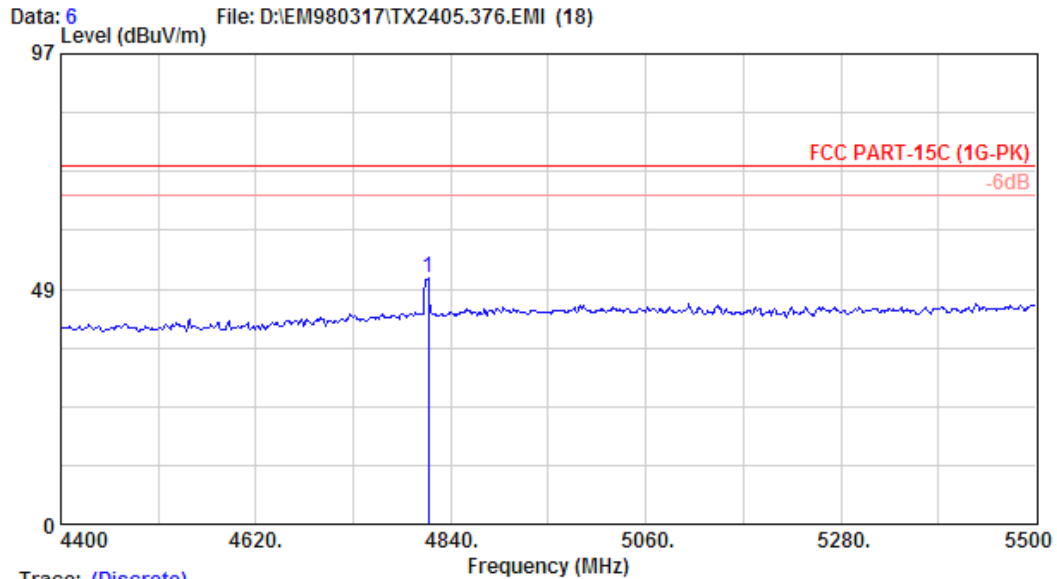


Trace: (Discrete)

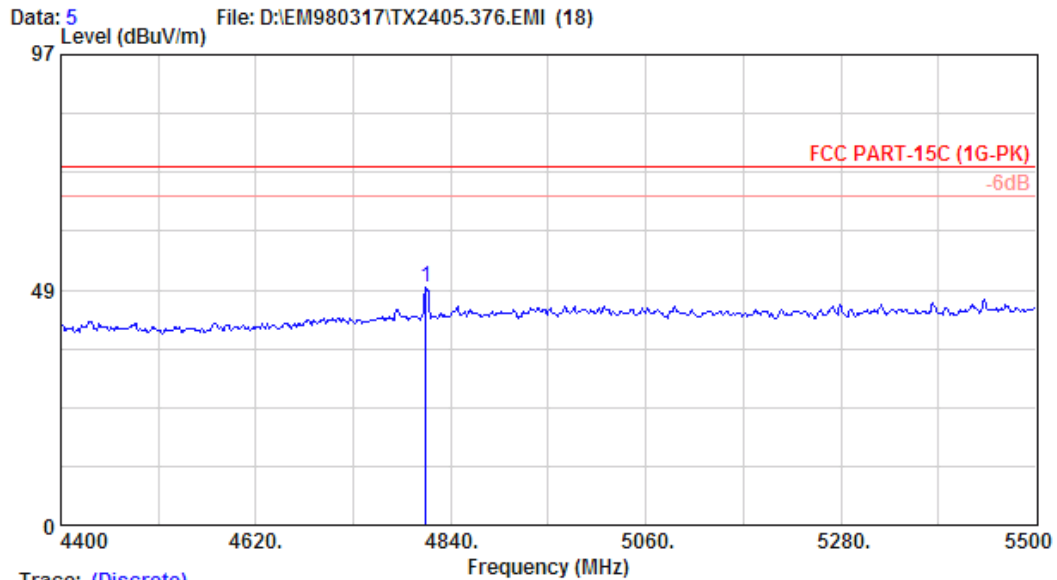
Site no.	: A/C Chamber	Data no.	: 16
Dis. / Ant.	: 3m 3115	Ant. pol.	: VERTICAL
Limit	: FCC PART-15C (1G-AV)		
Env. / Ins.	: 8564EC 25*C/58%	Engineer	: Jarwei Wang
EUT	: Radio Control M/N:T10CG-2.4G		
Power Rating	: DC 9.6V		
Test Mode	: TX2405.376MHz		



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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 25*C/58% Engineer : Jarwei Wang
 EUT : Radio Control M/N:T10CG-2.4G
 Power Rating : DC 9.6V
 Test Mode : TX2405.376MHz

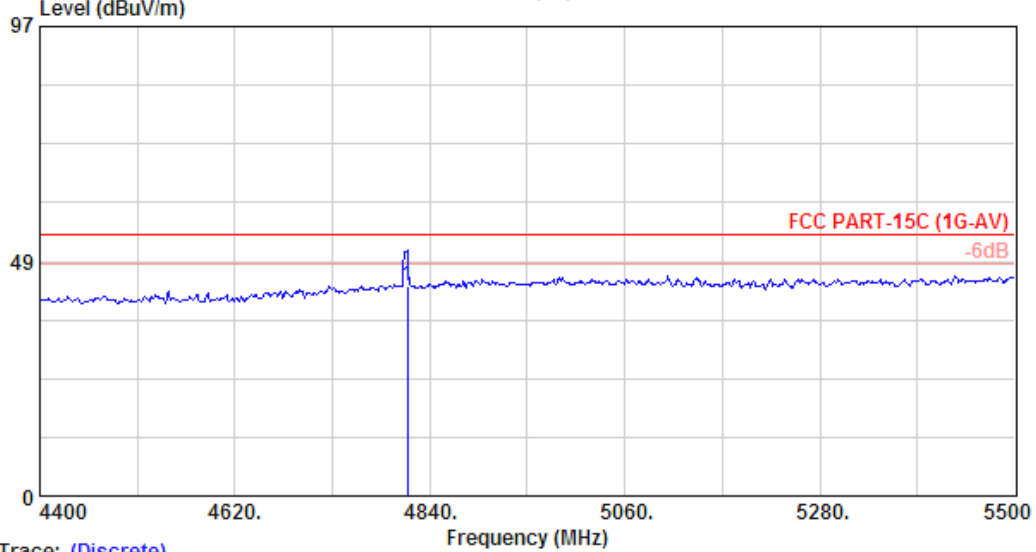


Site no. : A/C Chamber Data no. : 5
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : FCC PART-15C (1G-PK)
 Env. / Ins. : 8564EC 25*C/58% Engineer : Jarwei Wang
 EUT : Radio Control M/N:T10CG-2.4G
 Power Rating : DC 9.6V
 Test Mode : TX2405.376MHz



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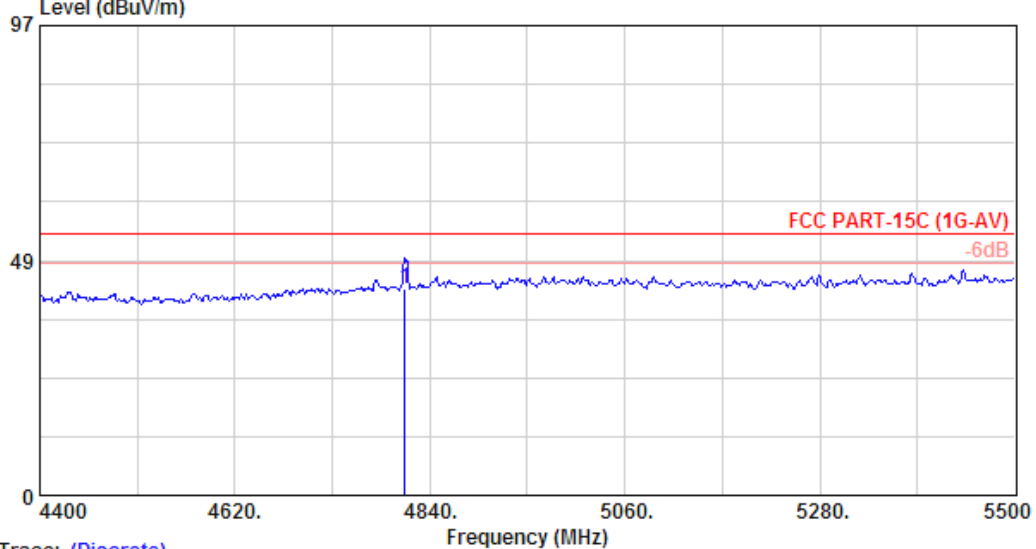
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Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 18
Dis. / Ant.	: 3m 3115	Ant. pol.	: HORIZONTAL
Limit	: FCC PART-15C (1G-AV)		
Env. / Ins.	: 8564EC 25*C/58%	Engineer	: Jarwei Wang
EUT	: Radio Control M/N:T10CG-2.4G		
Power Rating	: DC 9.6V		
Test Mode	: TX2405.376MHz		

Data: 17 File: D:\EM980317\TX2405.376.EMI (18)

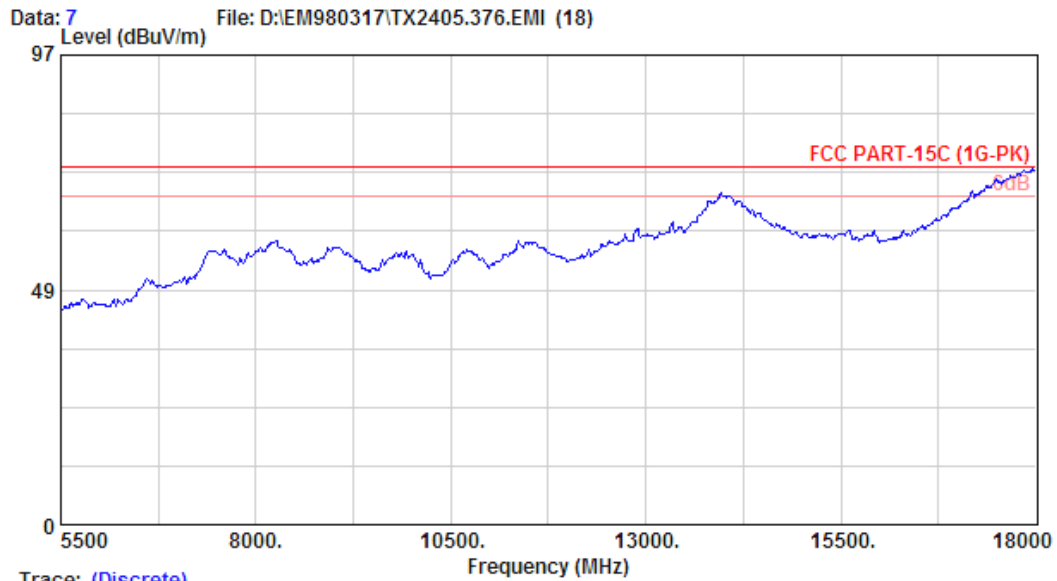


Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 17
Dis. / Ant.	: 3m 3115	Ant. pol.	: VERTICAL
Limit	: FCC PART-15C (1G-AV)		
Env. / Ins.	: 8564EC 25*C/58%	Engineer	: Jarwei Wang
EUT	: Radio Control M/N:T10CG-2.4G		
Power Rating	: DC 9.6V		
Test Mode	: TX2405.376MHz		

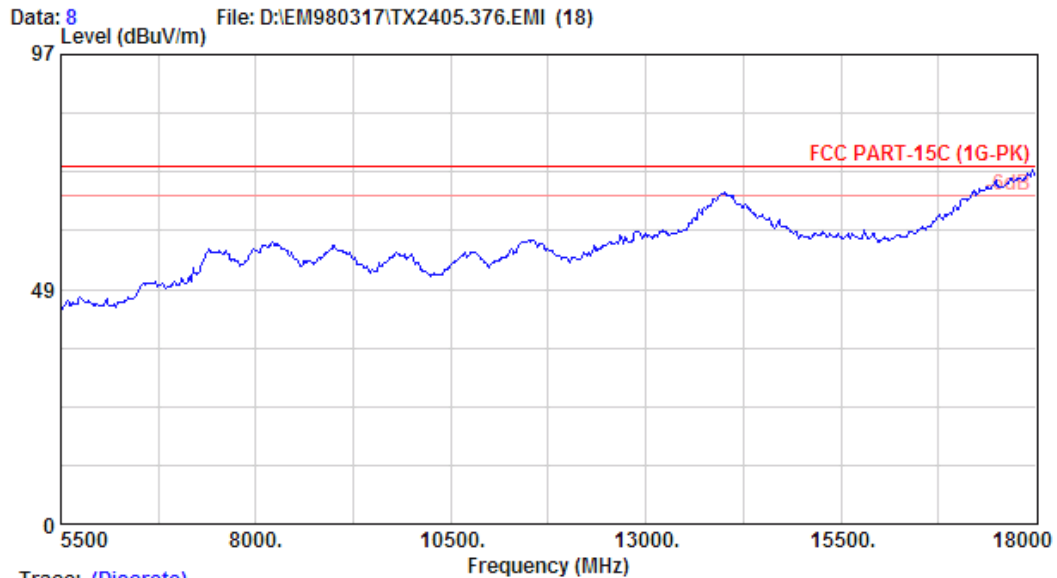


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Trace: (Discrete)

Site no. : A/C Chamber	Data no. : 7
Dis. / Ant. : 3m 3115	Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-PK)	
Env. / Ins. : 8564EC 25°C/58%	Engineer : Jarwei Wang
EUT : Radio Control M/N:T10CG-2.4G	
Power Rating : DC 9.6V	
Test Mode : TX2405.376MHz	

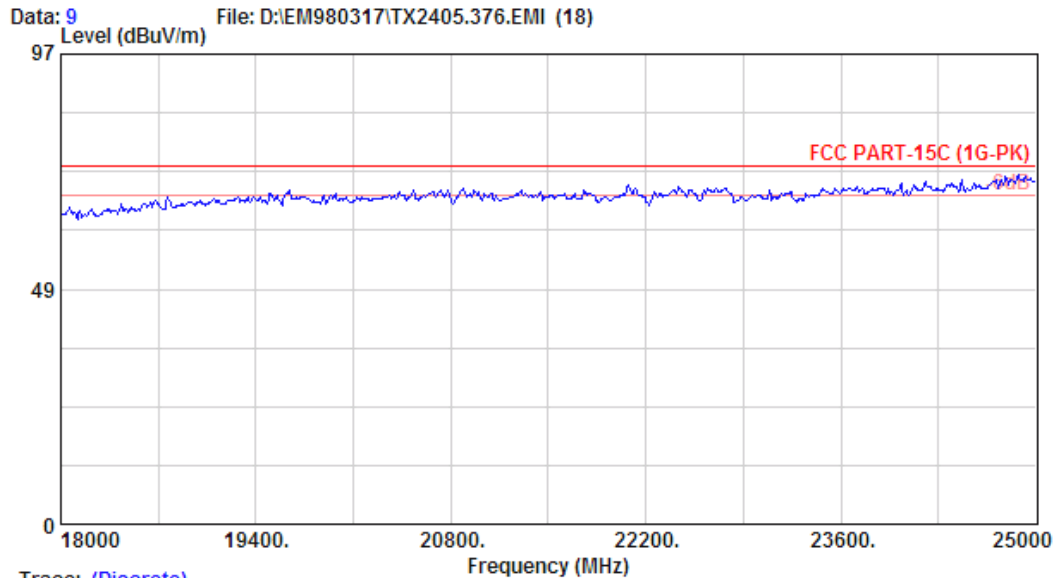


Trace: (Discrete)

Site no. : A/C Chamber	Data no. : 8
Dis. / Ant. : 3m 3115	Ant. pol. : VERTICAL
Limit : FCC PART-15C (1G-PK)	
Env. / Ins. : 8564EC 25°C/58%	Engineer : Jarwei Wang
EUT : Radio Control M/N:T10CG-2.4G	
Power Rating : DC 9.6V	
Test Mode : TX2405.376MHz	

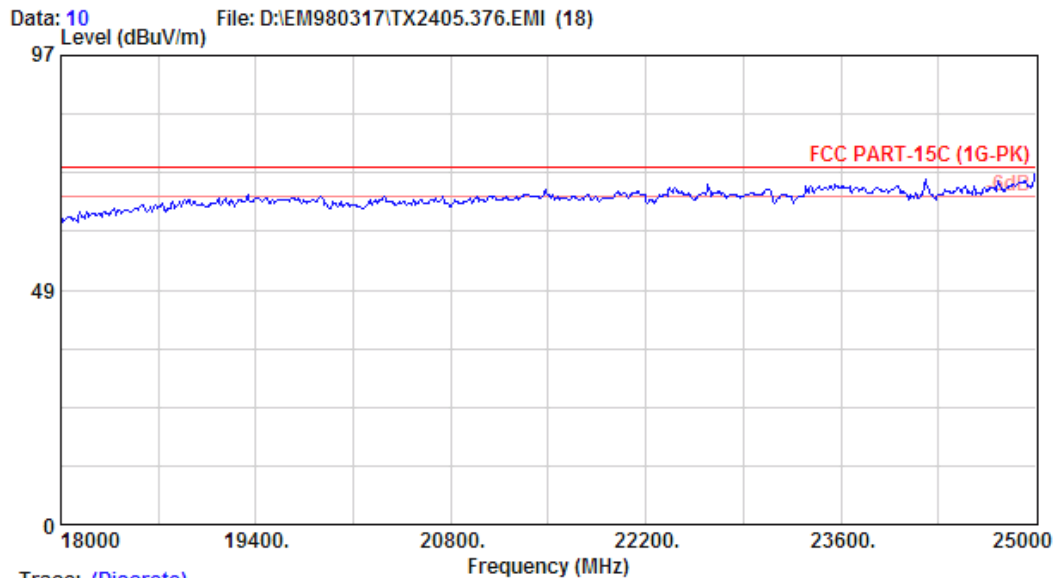


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Trace: (Discrete)

Site no. : site	Data no. : 9
Dis. / Ant. : 3m 3116	Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-PK)	
Env. / Ins. : 8564EC 25*C/58%	Engineer : Jarwei Wang
EUT : Radio Control M/N:T10CG-2.4G	
Power Rating : DC 9.6V	
Test Mode : TX2405.376MHz	

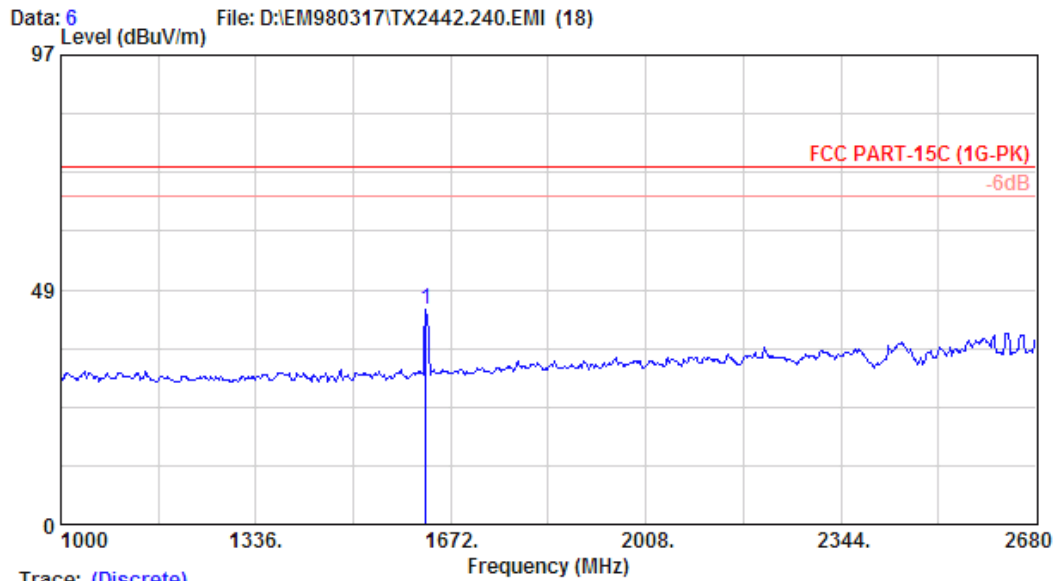


Trace: (Discrete)

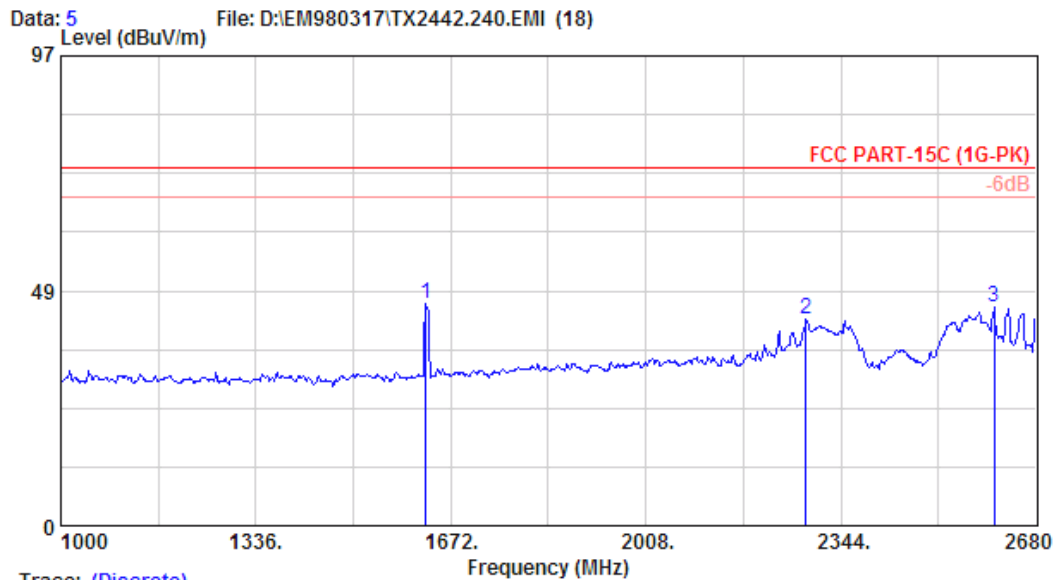
Site no. : site	Data no. : 10
Dis. / Ant. : 3m 3116	Ant. pol. : VERTICAL
Limit : FCC PART-15C (1G-PK)	
Env. / Ins. : 8564EC 25*C/58%	Engineer : Jarwei Wang
EUT : Radio Control M/N:T10CG-2.4G	
Power Rating : DC 9.6V	
Test Mode : TX2405.376MHz	



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 Email:ttemc@ttemc.com.tw



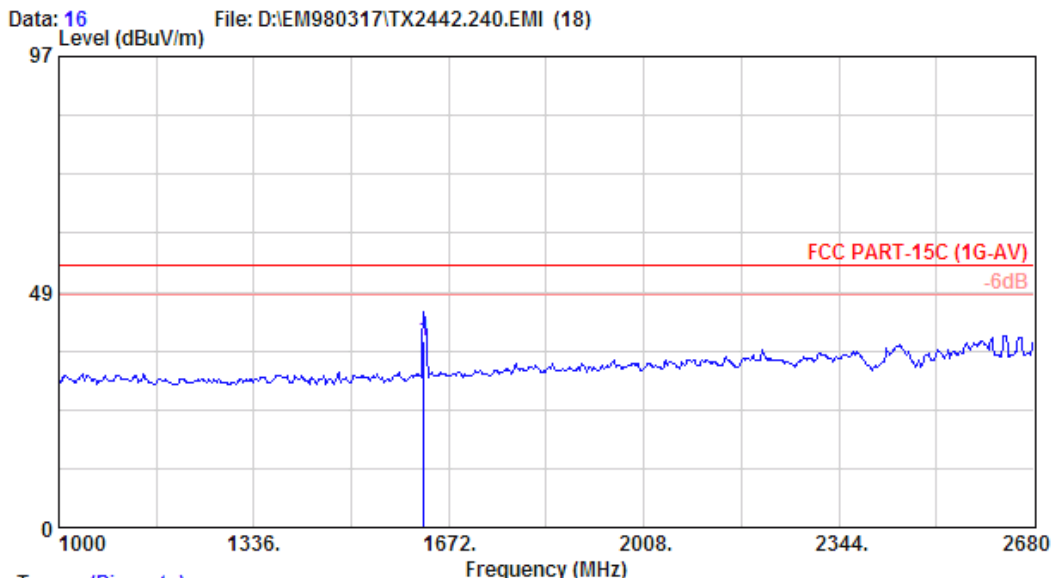
Site no.	: A/C Chamber	Data no.	: 6
Dis. / Ant.	: 3m 3115	Ant. pol.	: HORIZONTAL
Limit	: FCC PART-15C (1G-PK)		
Env. / Ins.	: 8564EC 25*C/58%	Engineer	: Jarwei Wang
EUT	: Radio Control M/N:T10CG-2.4G		
Power Rating	: DC 9.6V		
Test Mode	: TX2442.240MHz		



Site no.	: A/C Chamber	Data no.	: 5
Dis. / Ant.	: 3m 3115	Ant. pol.	: VERTICAL
Limit	: FCC PART-15C (1G-PK)		
Env. / Ins.	: 8564EC 25*C/58%	Engineer	: Jarwei Wang
EUT	: Radio Control M/N:T10CG-2.4G		
Power Rating	: DC 9.6V		
Test Mode	: TX2442.240MHz		

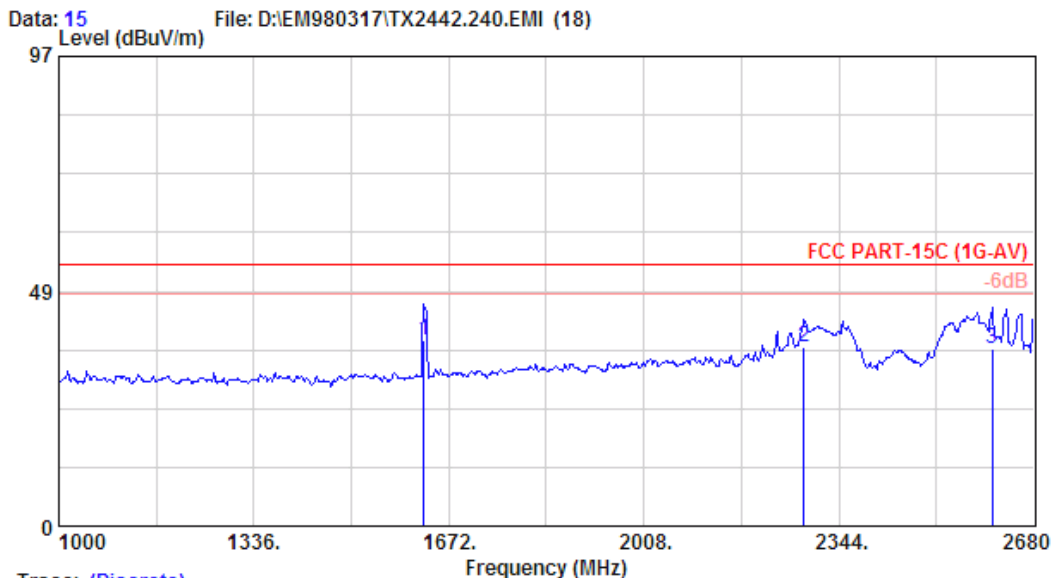


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 Email:ttemc@ttemc.com.tw



Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 16
Dis. / Ant.	: 3m 3115	Ant. pol.	: HORIZONTAL
Limit	: FCC PART-15C (1G-AV)		
Env. / Ins.	: 8564EC 25*C/58%	Engineer	: Jarwei Wang
EUT	: Radio Control M/N:T10CG-2.4G		
Power Rating	: DC 9.6V		
Test Mode	: TX2442.240MHz		

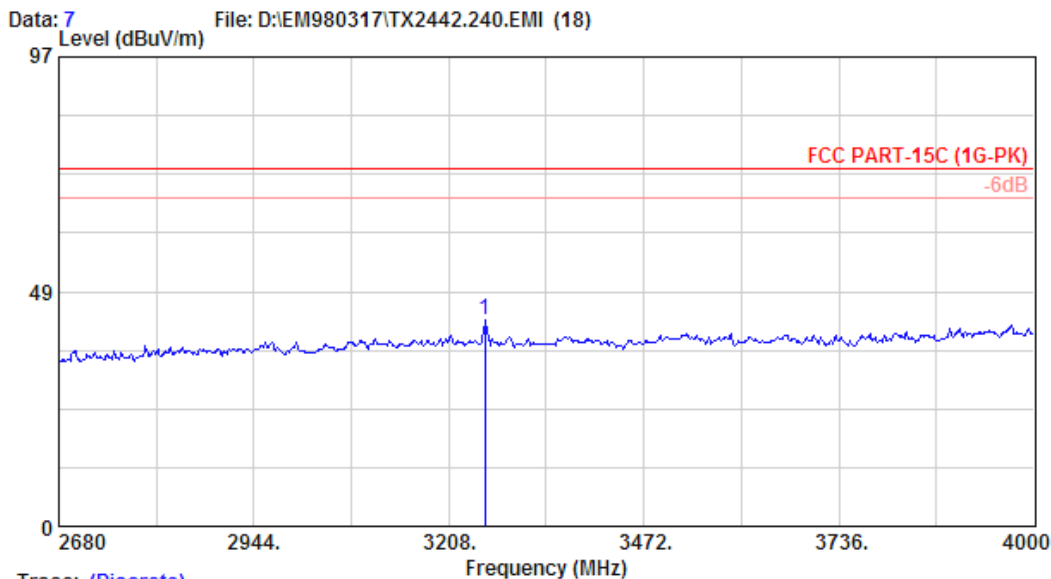


Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 15
Dis. / Ant.	: 3m 3115	Ant. pol.	: VERTICAL
Limit	: FCC PART-15C (1G-AV)		
Env. / Ins.	: 8564EC 25*C/58%	Engineer	: Jarwei Wang
EUT	: Radio Control M/N:T10CG-2.4G		
Power Rating	: DC 9.6V		
Test Mode	: TX2442.240MHz		

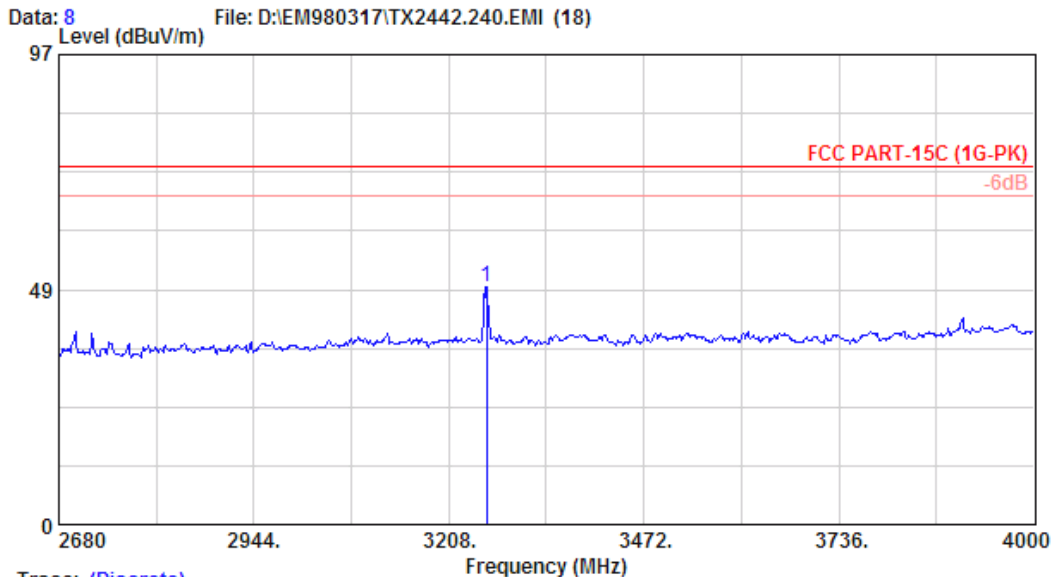


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Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 7
Dis. / Ant.	: 3m 3115	Ant. pol.	: HORIZONTAL
Limit	: FCC PART-15C (1G-PK)		
Env. / Ins.	: 8564EC 25*C/58%	Engineer	: Jarwei Wang
EUT	: Radio Control M/N:T10CG-2.4G		
Power Rating	: DC 9.6V		
Test Mode	: TX2442.240MHz		



Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 8
Dis. / Ant.	: 3m 3115	Ant. pol.	: VERTICAL
Limit	: FCC PART-15C (1G-PK)		
Env. / Ins.	: 8564EC 25*C/58%	Engineer	: Jarwei Wang
EUT	: Radio Control M/N:T10CG-2.4G		
Power Rating	: DC 9.6V		
Test Mode	: TX2442.240MHz		



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 Email:ttemc@ttemc.com.tw

Data: 17 File: D:\EM980317\TX2442.240.EMI (18)
 Level (dBuV/m)



Trace: (Discrete)
 Site no. : A/C Chamber Data no. : 17
 Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
 Limit : FCC PART-15C (1G-AV)
 Env. / Ins. : 8564EC 25*C/58% Engineer : Jarwei Wang
 EUT : Radio Control M/N:T10CG-2.4G
 Power Rating : DC 9.6V
 Test Mode : TX2442.240MHz

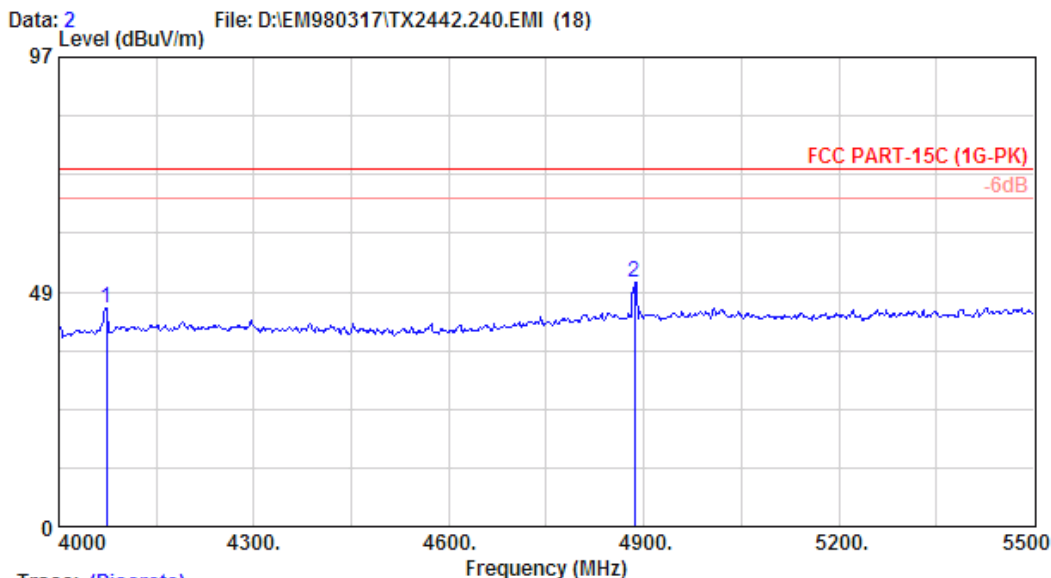
Data: 18 File: D:\EM980317\TX2442.240.EMI (18)
 Level (dBuV/m)



Trace: (Discrete)
 Site no. : A/C Chamber Data no. : 18
 Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
 Limit : FCC PART-15C (1G-AV)
 Env. / Ins. : 8564EC 25*C/58% Engineer : Jarwei Wang
 EUT : Radio Control M/N:T10CG-2.4G
 Power Rating : DC 9.6V
 Test Mode : TX2442.240MHz

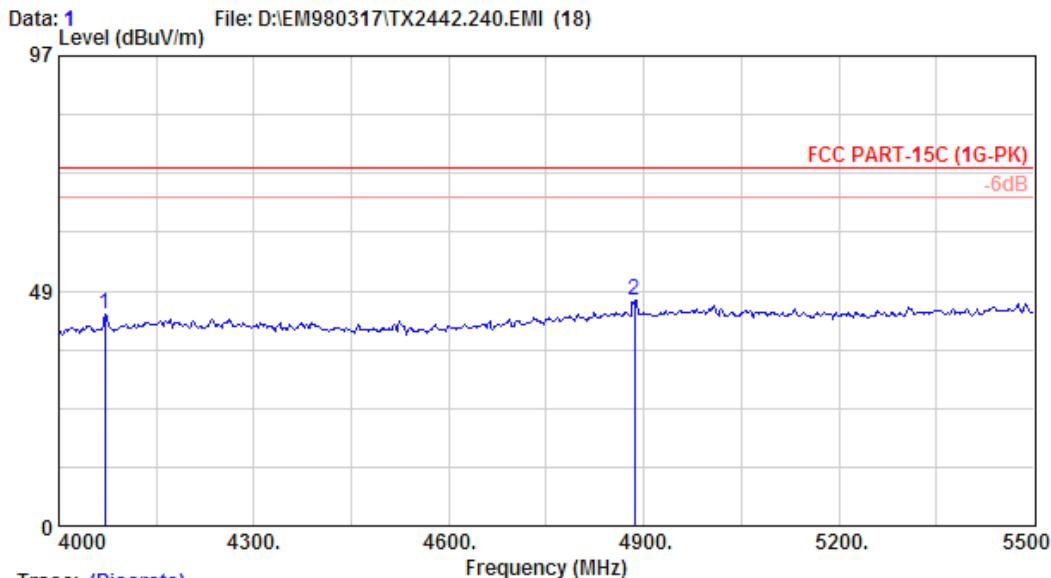


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 Email:ttemc@ttemc.com.tw



Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 2
Dis. / Ant.	: 3m 3115	Ant. pol.	: HORIZONTAL
Limit	: FCC PART-15C (1G-PK)		
Env. / Ins.	: 8564EC 25*C/58%	Engineer	: Jarwei Wang
EUT	: Radio Control M/N:T10CG-2.4G		
Power Rating	: DC 9.6V		
Test Mode	: TX2442.240MHz		

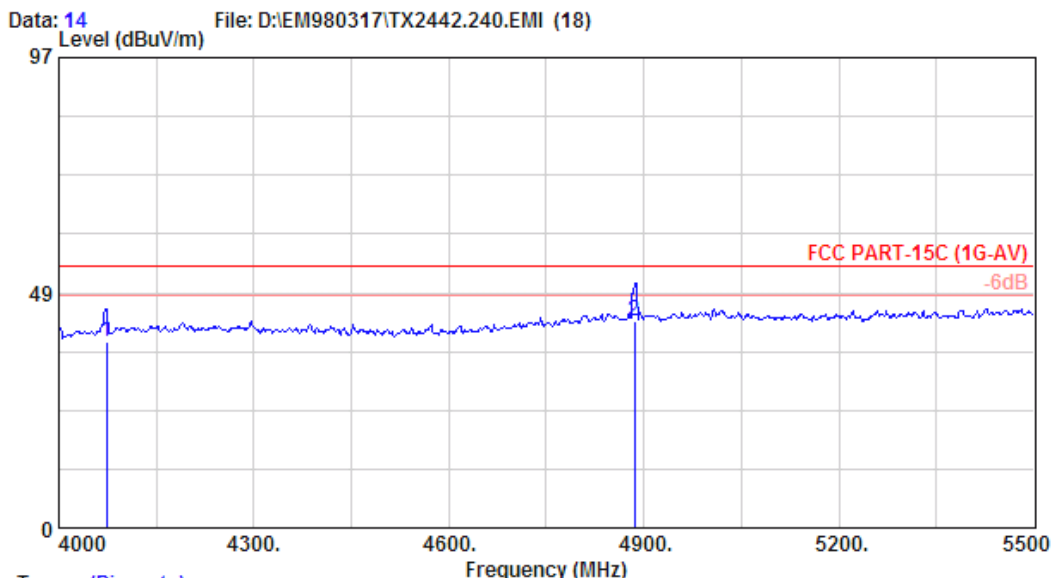


Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 1
Dis. / Ant.	: 3m 3115	Ant. pol.	: VERTICAL
Limit	: FCC PART-15C (1G-PK)		
Env. / Ins.	: 8564EC 25*C/58%	Engineer	: Jarwei Wang
EUT	: Radio Control M/N:T10CG-2.4G		
Power Rating	: DC 9.6V		
Test Mode	: TX2442.240MHz		

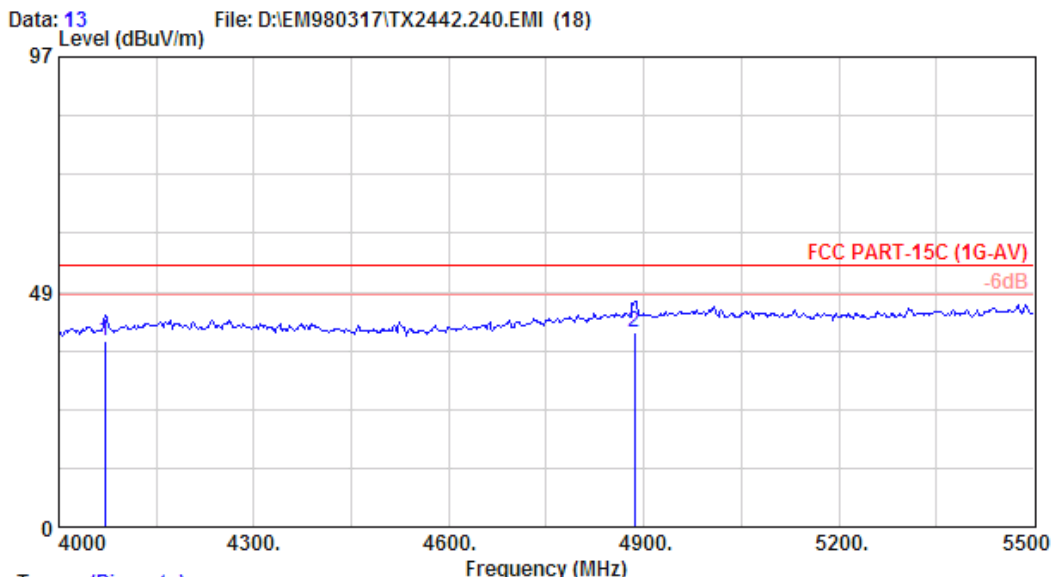


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 Email:ttemc@ttemc.com.tw



Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 14
Dis. / Ant.	: 3m 3115	Ant. pol.	: HORIZONTAL
Limit	: FCC PART-15C (1G-AV)		
Env. / Ins.	: 8564EC 25°C/58%	Engineer	: Jarwei Wang
EUT	: Radio Control M/N:T10CG-2.4G		
Power Rating	: DC 9.6V		
Test Mode	: TX2442.240MHz		

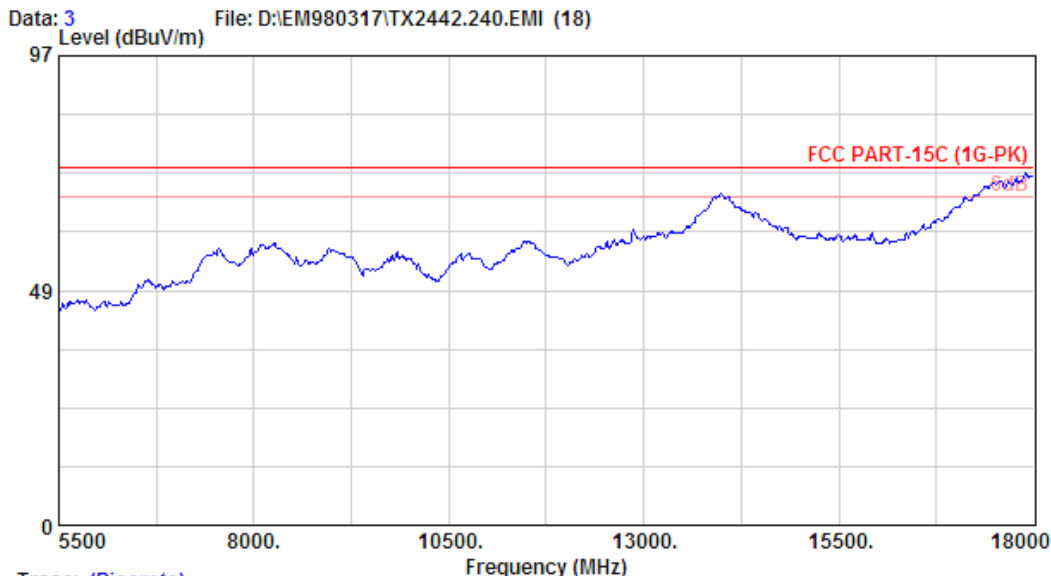


Trace: (Discrete)

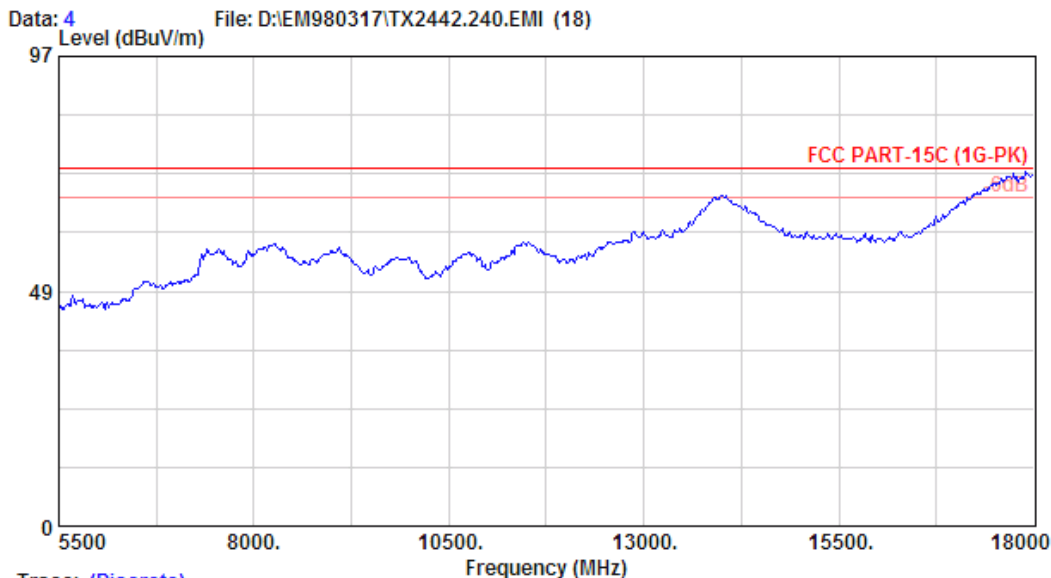
Site no.	: A/C Chamber	Data no.	: 13
Dis. / Ant.	: 3m 3115	Ant. pol.	: VERTICAL
Limit	: FCC PART-15C (1G-AV)		
Env. / Ins.	: 8564EC 25°C/58%	Engineer	: Jarwei Wang
EUT	: Radio Control M/N:T10CG-2.4G		
Power Rating	: DC 9.6V		
Test Mode	: TX2442.240MHz		



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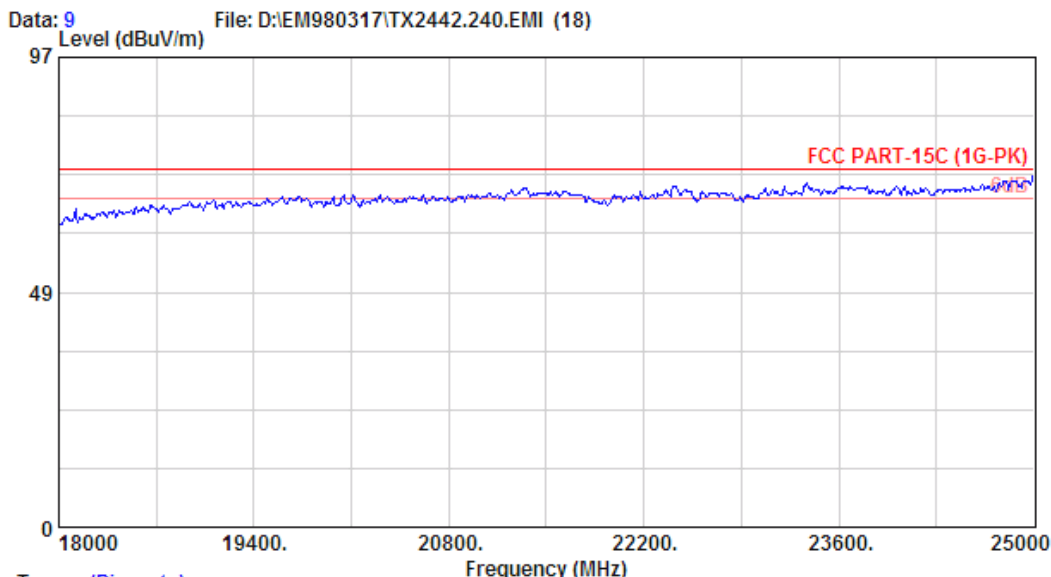
Site no.	: A/C Chamber	Data no.	: 3
Dis. / Ant.	: 3m 3115	Ant. pol.	: HORIZONTAL
Limit	: FCC PART-15C (1G-PK)		
Env. / Ins.	: 8564EC 25°C/58%	Engineer	: Jarwei Wang
EUT	: Radio Control M/N:T10CG-2.4G		
Power Rating	: DC 9.6V		
Test Mode	: TX2442.240MHz		



Site no.	: A/C Chamber	Data no.	: 4
Dis. / Ant.	: 3m 3115	Ant. pol.	: VERTICAL
Limit	: FCC PART-15C (1G-PK)		
Env. / Ins.	: 8564EC 25°C/58%	Engineer	: Jarwei Wang
EUT	: Radio Control M/N:T10CG-2.4G		
Power Rating	: DC 9.6V		
Test Mode	: TX2442.240MHz		

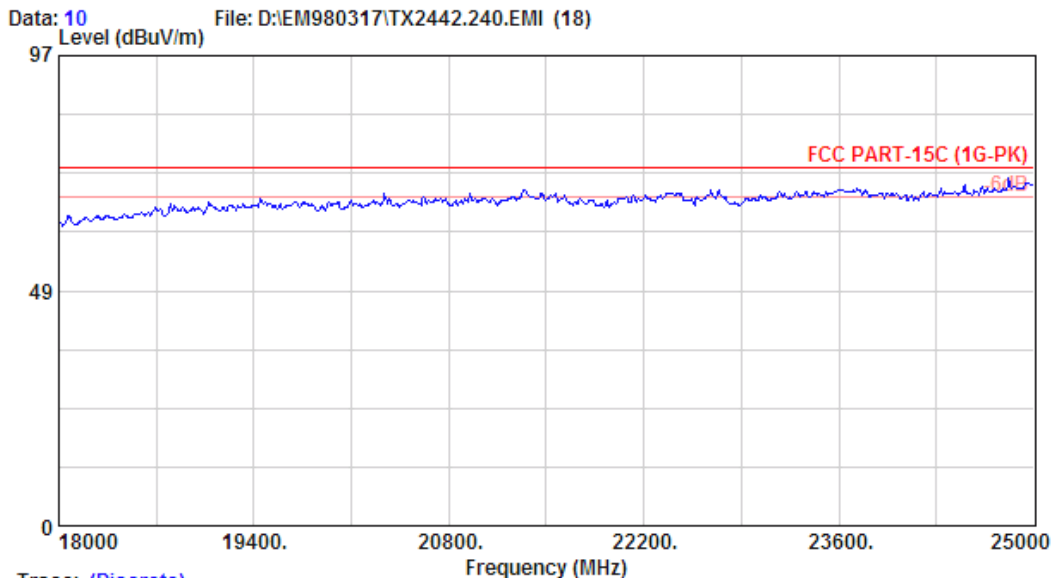


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Trace: (Discrete)

Site no. : site	Data no. : 9
Dis. / Ant. : 3m 3116	Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-PK)	
Env. / Ins. : 8564EC 25*C/58%	Engineer : Jarwei Wang
EUT : Radio Control M/N:T10CG-2.4G	
Power Rating : DC 9.6V	
Test Mode : TX2442.240MHz	

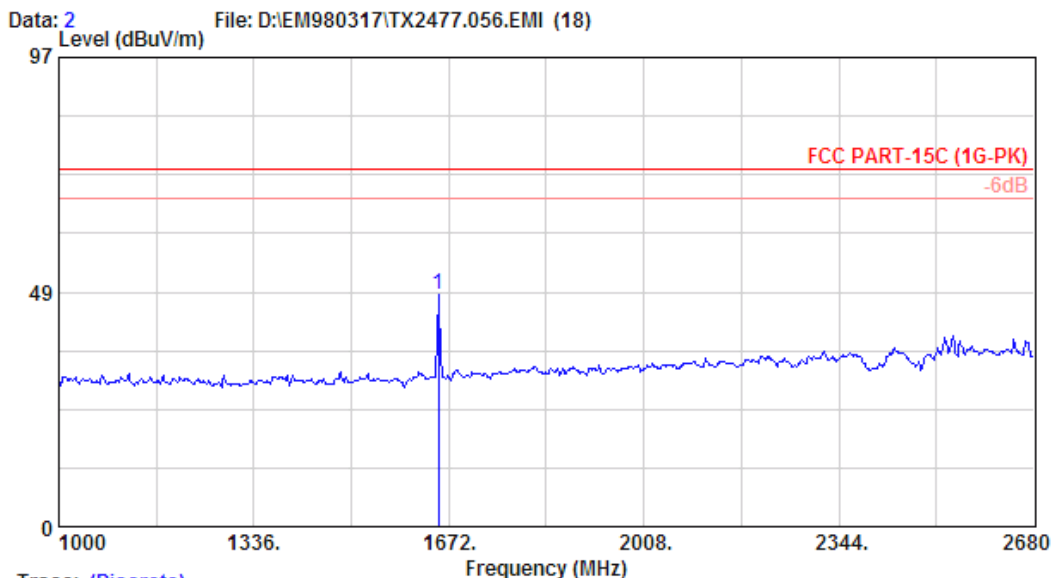


Trace: (Discrete)

Site no. : site	Data no. : 10
Dis. / Ant. : 3m 3116	Ant. pol. : VERTICAL
Limit : FCC PART-15C (1G-PK)	
Env. / Ins. : 8564EC 25*C/58%	Engineer : Jarwei Wang
EUT : Radio Control M/N:T10CG-2.4G	
Power Rating : DC 9.6V	
Test Mode : TX2442.240MHz	

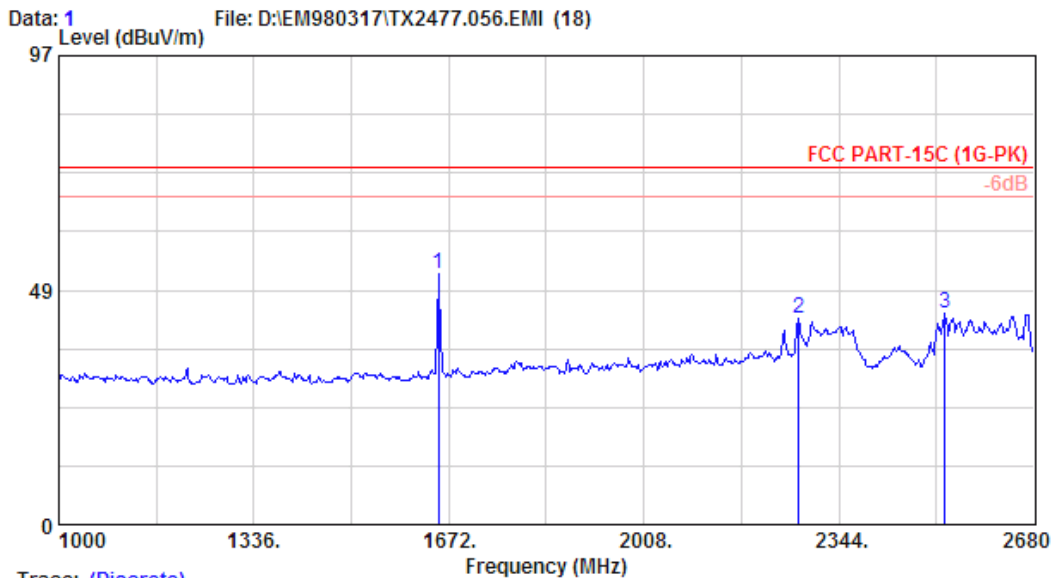


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Trace: (Discrete)

Site no. : A/C Chamber	Data no. : 2
Dis. / Ant. : 3m 3115	Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-PK)	
Env. / Ins. : 8564EC 23*C/53%	Engineer : Jarwei Wang
EUT : Radio Control M/N:HFM12-MC	
Power Rating : DC 9.6V	
Test Mode : TX2477.056MHz	

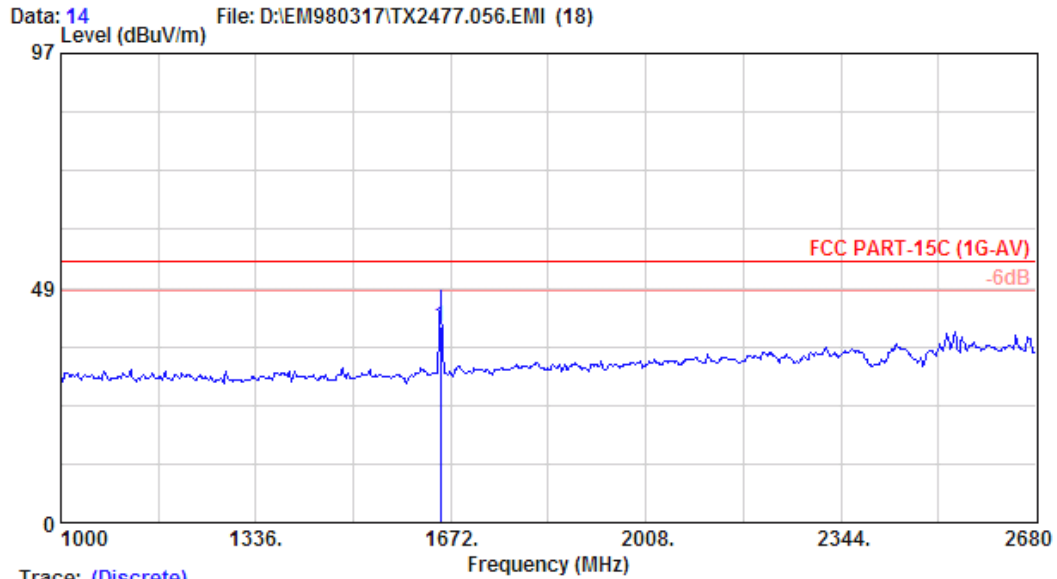


Trace: (Discrete)

Site no. : A/C Chamber	Data no. : 1
Dis. / Ant. : 3m 3115	Ant. pol. : VERTICAL
Limit : FCC PART-15C (1G-PK)	
Env. / Ins. : 8564EC 23*C/53%	Engineer : Jarwei Wang
EUT : Radio Control M/N:HFM12-MC	
Power Rating : DC 9.6V	
Test Mode : TX2477.056MHz	

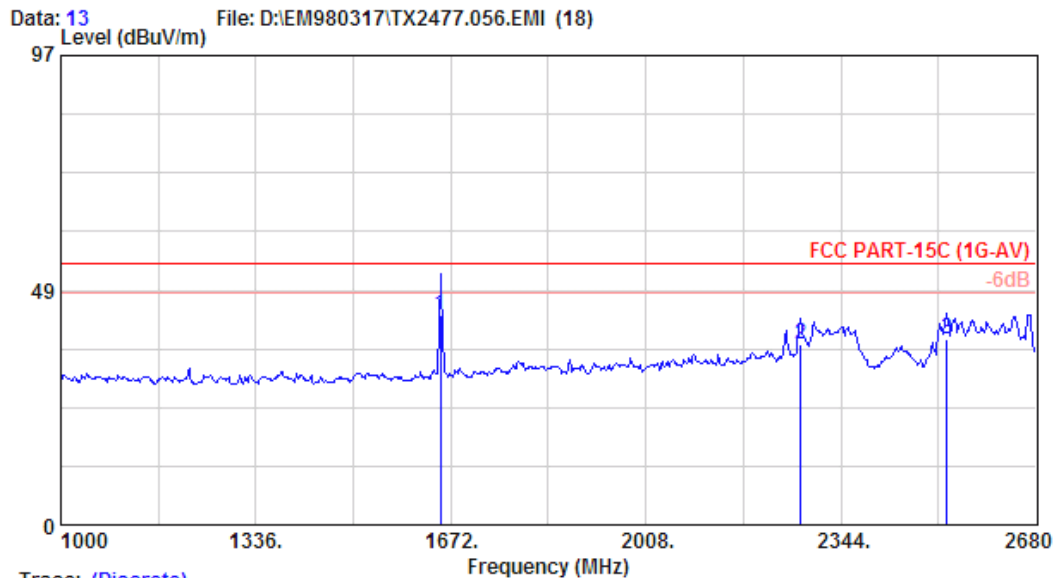


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Trace: (Discrete)

Site no. : A/C Chamber	Data no. : 14
Dis. / Ant. : 3m 3115	Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-AV)	
Env. / Ins. : 8564EC 23*C/53%	Engineer : Jarwei Wang
EUT : Radio Control M/N:HFM12-MC	
Power Rating : DC 9.6V	
Test Mode : TX2477.056MHz	

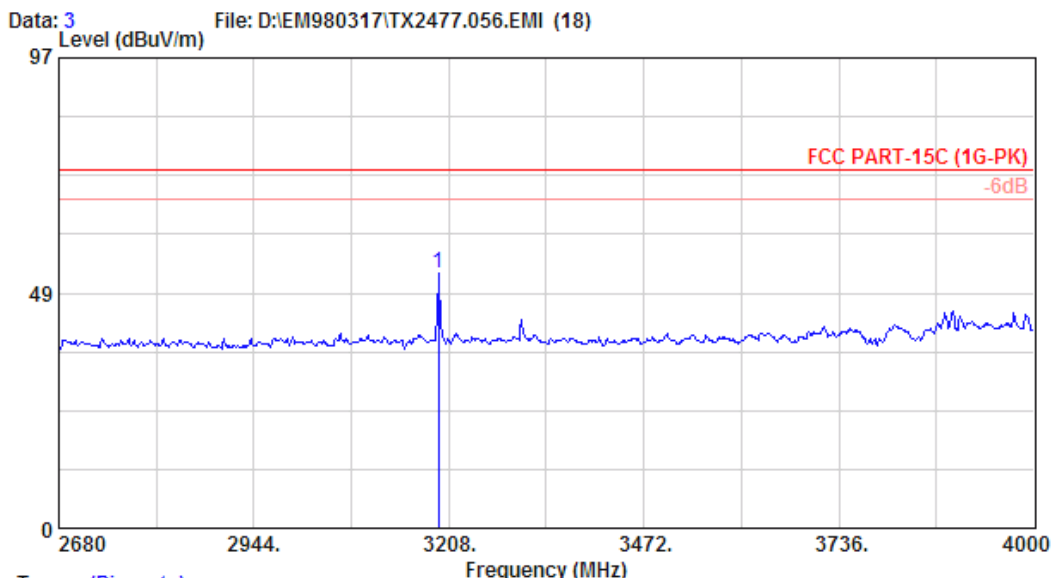


Trace: (Discrete)

Site no. : A/C Chamber	Data no. : 13
Dis. / Ant. : 3m 3115	Ant. pol. : VERTICAL
Limit : FCC PART-15C (1G-AV)	
Env. / Ins. : 8564EC 23*C/53%	Engineer : Jarwei Wang
EUT : Radio Control M/N:HFM12-MC	
Power Rating : DC 9.6V	
Test Mode : TX2477.056MHz	

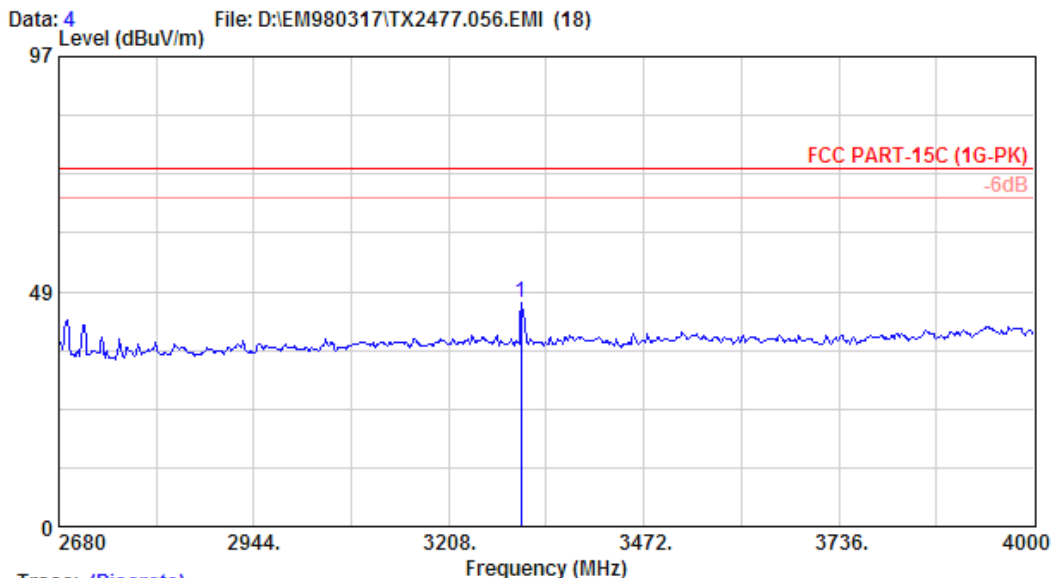


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Trace: (Discrete)

Site no. : A/C Chamber	Data no. : 3
Dis. / Ant. : 3m 3115	Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-PK)	
Env. / Ins. : 8564EC 23*C/53%	Engineer : Jarwei Wang
EUT : Radio Control M/N:HFM12-MC	
Power Rating : DC 9.6V	
Test Mode : TX2477.056MHz	

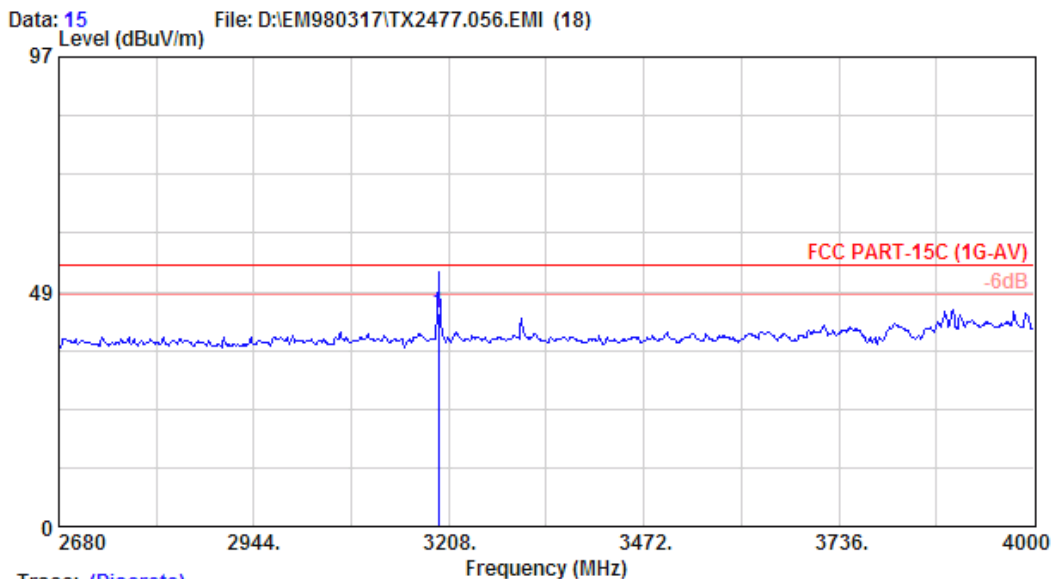


Trace: (Discrete)

Site no. : A/C Chamber	Data no. : 4
Dis. / Ant. : 3m 3115	Ant. pol. : VERTICAL
Limit : FCC PART-15C (1G-PK)	
Env. / Ins. : 8564EC 23*C/53%	Engineer : Jarwei Wang
EUT : Radio Control M/N:HFM12-MC	
Power Rating : DC 9.6V	
Test Mode : TX2477.056MHz	

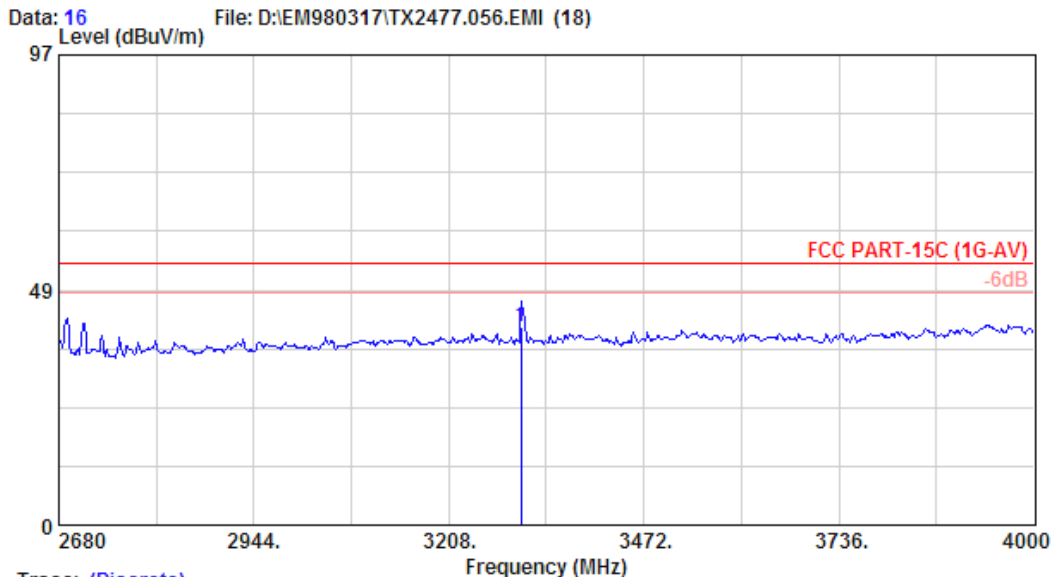


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Trace: (Discrete)

Site no. : A/C Chamber	Data no. : 15
Dis. / Ant. : 3m 3115	Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-AV)	
Env. / Ins. : 8564EC 23*C/53%	Engineer : Jarwei Wang
EUT : Radio Control M/N:HFM12-MC	
Power Rating : DC 9.6V	
Test Mode : TX2477.056MHz	

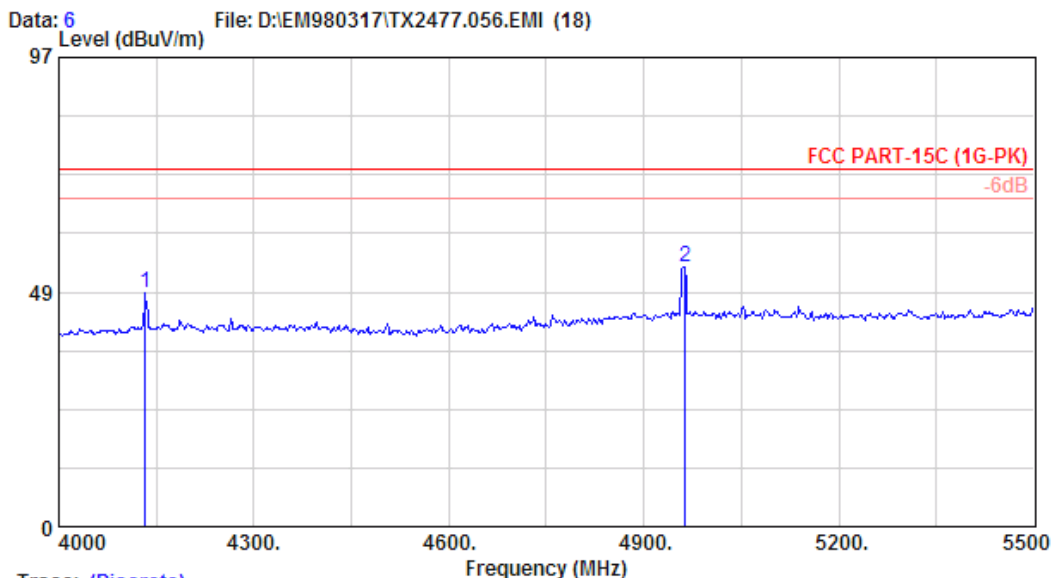


Trace: (Discrete)

Site no. : A/C Chamber	Data no. : 16
Dis. / Ant. : 3m 3115	Ant. pol. : VERTICAL
Limit : FCC PART-15C (1G-AV)	
Env. / Ins. : 8564EC 23*C/53%	Engineer : Jarwei Wang
EUT : Radio Control M/N:HFM12-MC	
Power Rating : DC 9.6V	
Test Mode : TX2477.056MHz	

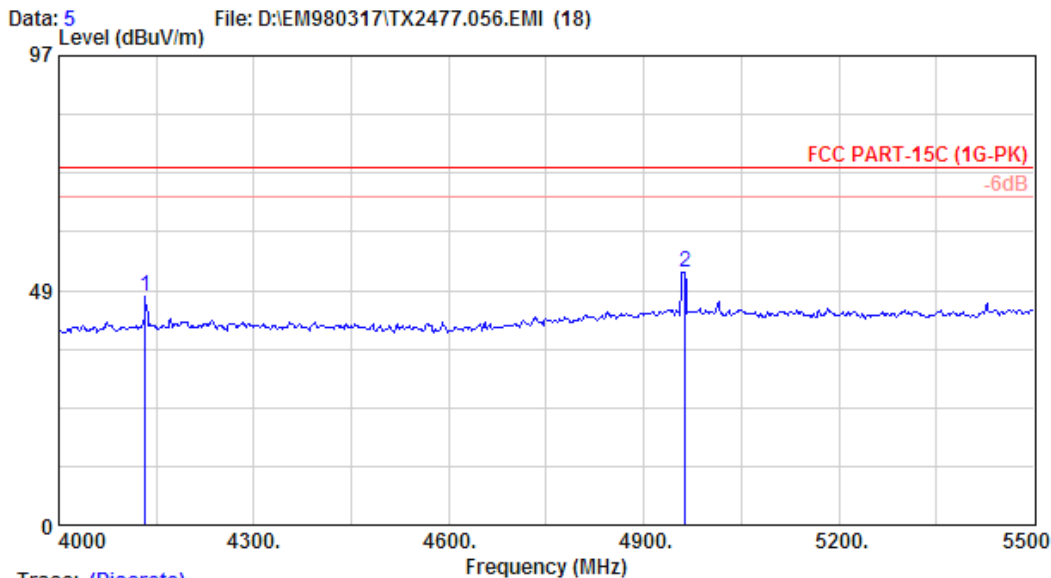


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Trace: (Discrete)

Site no. : A/C Chamber	Data no. : 6
Dis. / Ant. : 3m 3115	Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-PK)	
Env. / Ins. : 8564EC 23*C/53%	Engineer : Jarwei Wang
EUT : Radio Control M/N:HFM12-MC	
Power Rating : DC 9.6V	
Test Mode : TX2477.056MHz	

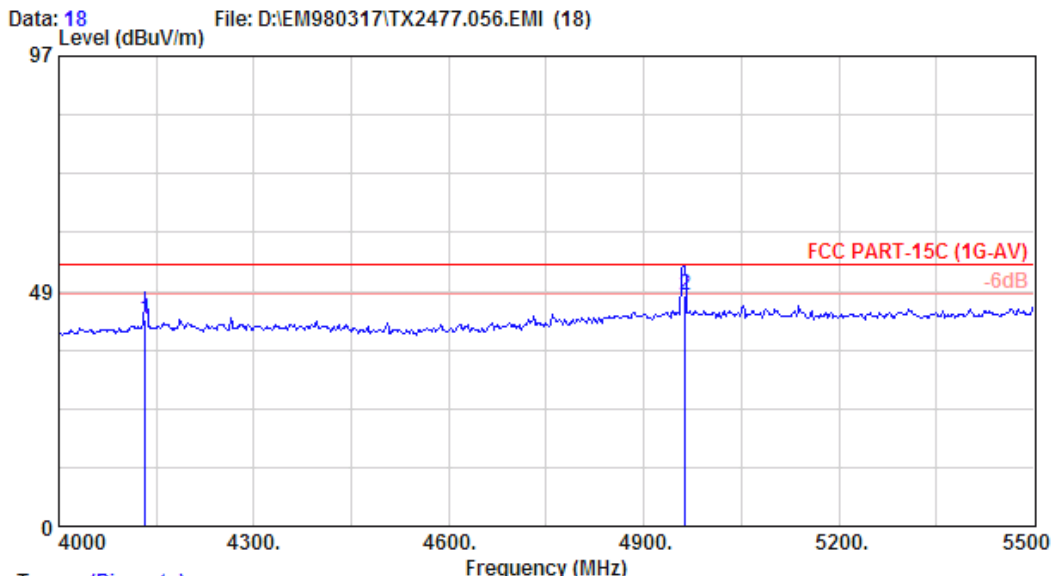


Trace: (Discrete)

Site no. : A/C Chamber	Data no. : 5
Dis. / Ant. : 3m 3115	Ant. pol. : VERTICAL
Limit : FCC PART-15C (1G-PK)	
Env. / Ins. : 8564EC 23*C/53%	Engineer : Jarwei Wang
EUT : Radio Control M/N:HFM12-MC	
Power Rating : DC 9.6V	
Test Mode : TX2477.056MHz	

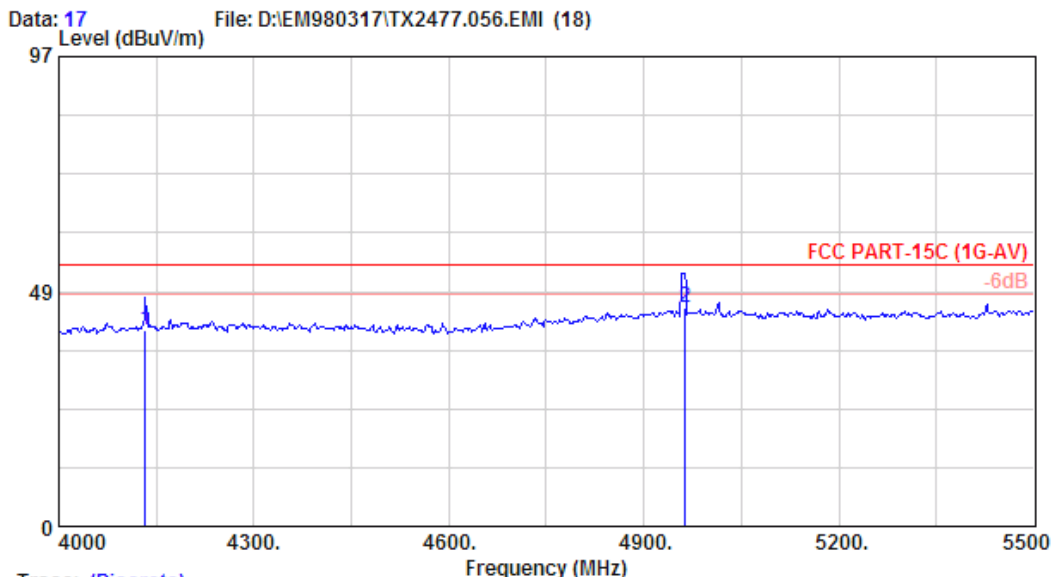


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Trace: (Discrete)

Site no. : A/C Chamber	Data no. : 18
Dis. / Ant. : 3m 3115	Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-AV)	
Env. / Ins. : 8564EC 23*C/53%	Engineer : Jarwei Wang
EUT : Radio Control M/N:HFM12-MC	
Power Rating : DC 9.6V	
Test Mode : TX2477.056MHz	

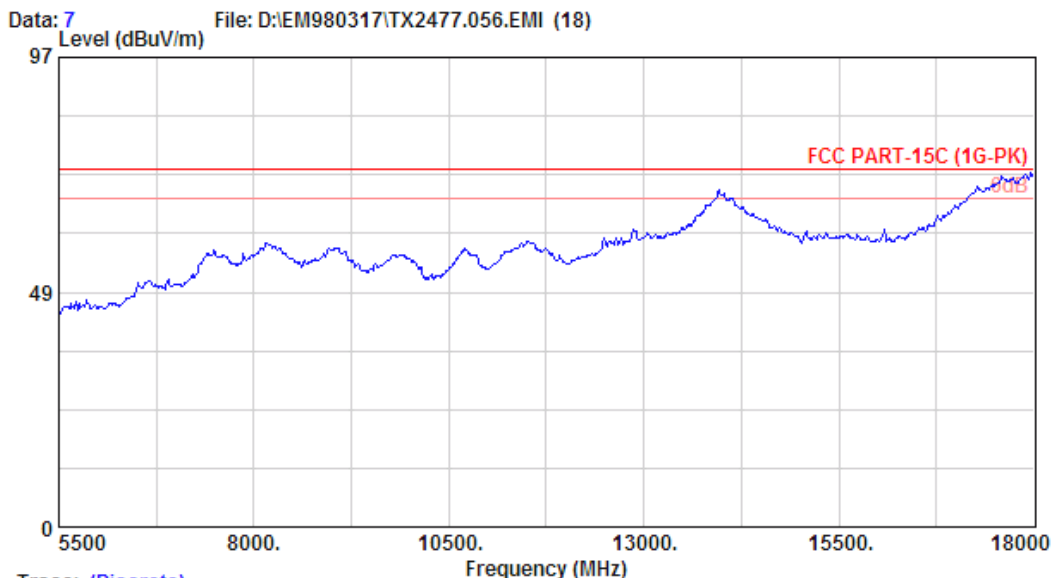


Trace: (Discrete)

Site no. : A/C Chamber	Data no. : 17
Dis. / Ant. : 3m 3115	Ant. pol. : VERTICAL
Limit : FCC PART-15C (1G-AV)	
Env. / Ins. : 8564EC 23*C/53%	Engineer : Jarwei Wang
EUT : Radio Control M/N:HFM12-MC	
Power Rating : DC 9.6V	
Test Mode : TX2477.056MHz	

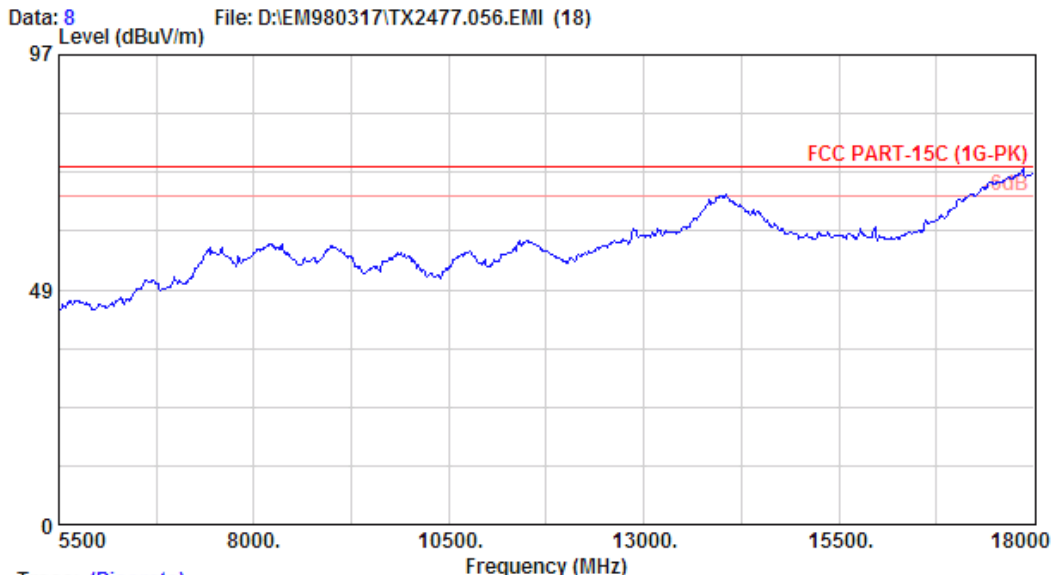


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Trace: (Discrete)

Site no. : A/C Chamber	Data no. : 7
Dis. / Ant. : 3m 3115	Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-PK)	
Env. / Ins. : 8564EC 23*C/53%	Engineer : Jarwei Wang
EUT : Radio Control M/N:HFM12-MC	
Power Rating : DC 9.6V	
Test Mode : TX2477.056MHz	

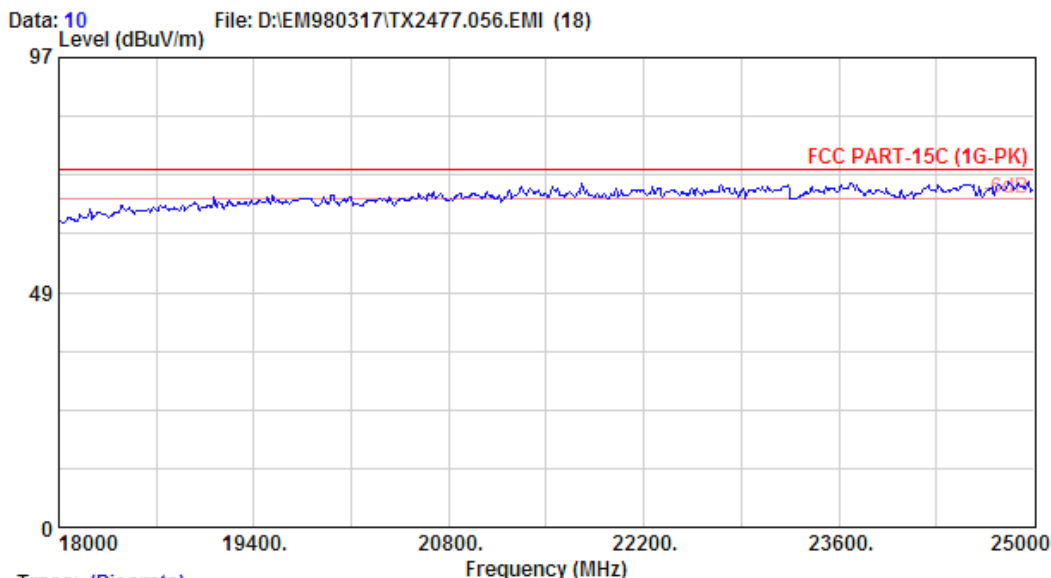


Trace: (Discrete)

Site no. : A/C Chamber	Data no. : 8
Dis. / Ant. : 3m 3115	Ant. pol. : VERTICAL
Limit : FCC PART-15C (1G-PK)	
Env. / Ins. : 8564EC 23*C/53%	Engineer : Jarwei Wang
EUT : Radio Control M/N:HFM12-MC	
Power Rating : DC 9.6V	
Test Mode : TX2477.056MHz	

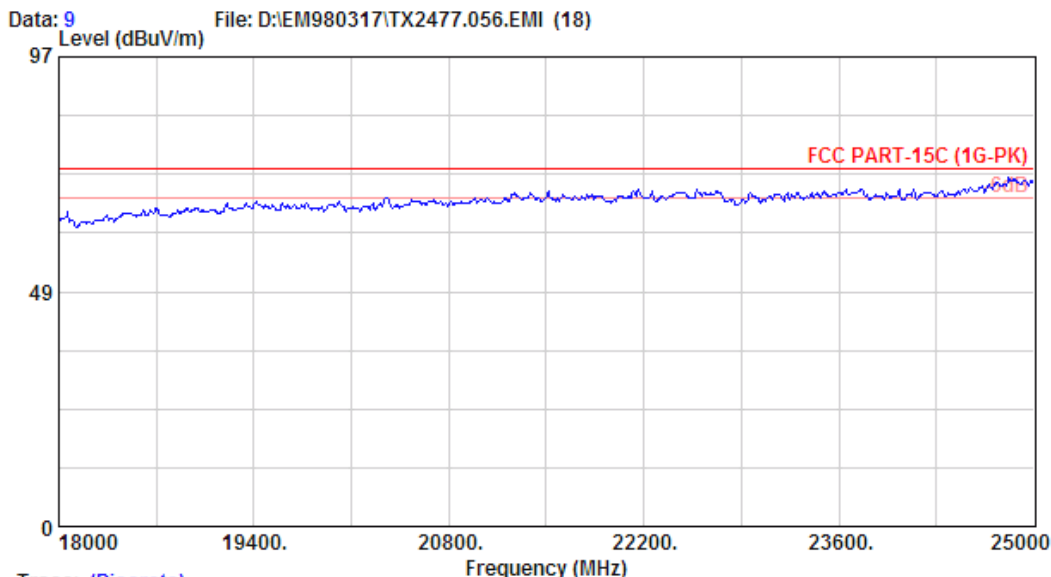


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Trace: (Discrete)

Site no. : site	Data no. : 10
Dis. / Ant. : 3m 3116	Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-PK)	
Env. / Ins. : 8564EC 23*C/53%	Engineer : Jarwei Wang
EUT : Radio Control M/N:HFM12-MC	
Power Rating : DC 9.6V	
Test Mode : TX2477.056MHz	

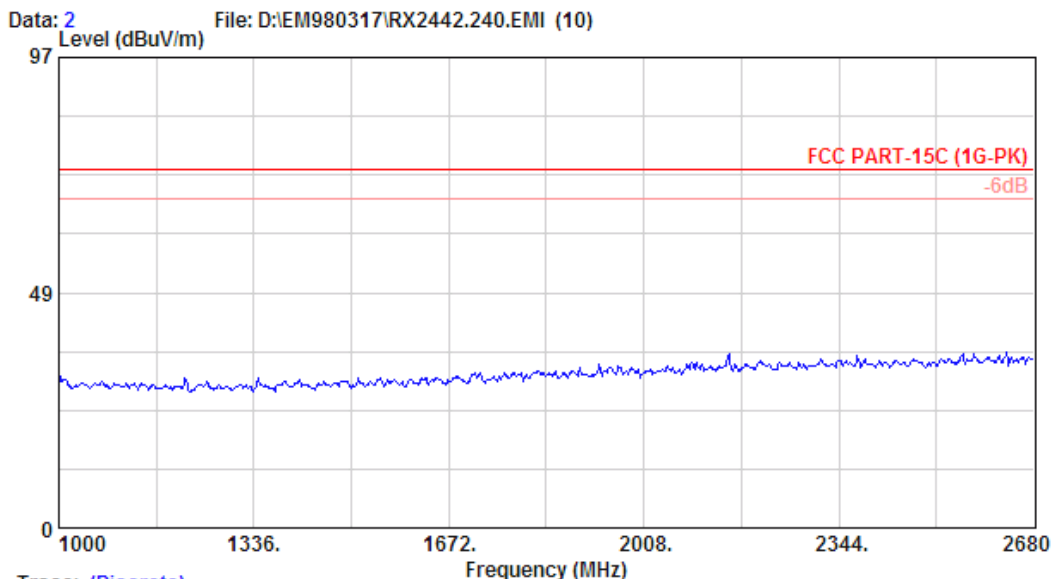


Trace: (Discrete)

Site no. : site	Data no. : 9
Dis. / Ant. : 3m 3116	Ant. pol. : VERTICAL
Limit : FCC PART-15C (1G-PK)	
Env. / Ins. : 8564EC 23*C/53%	Engineer : Jarwei Wang
EUT : Radio Control M/N:HFM12-MC	
Power Rating : DC 9.6V	
Test Mode : TX2477.056MHz	

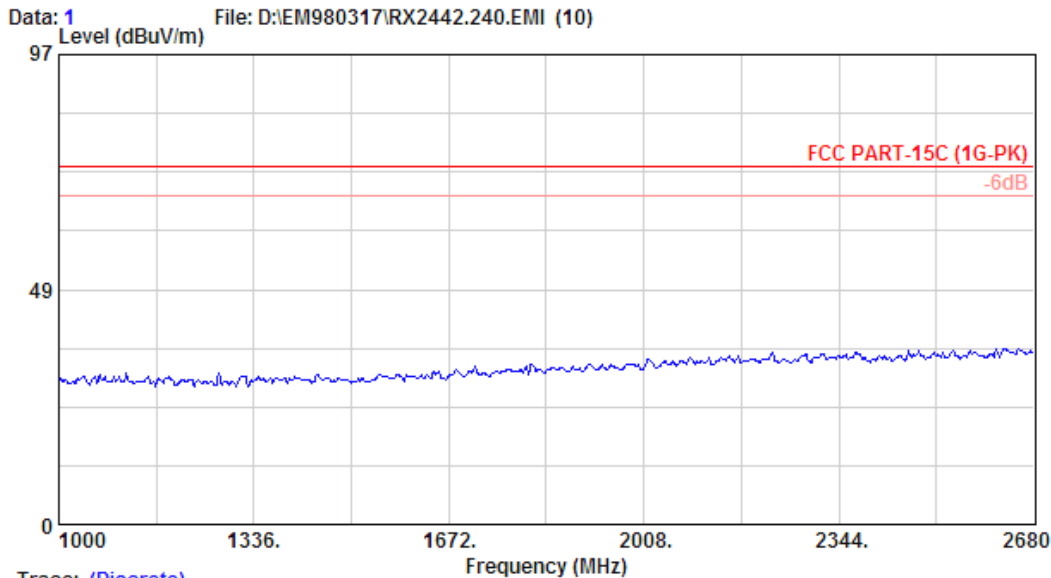


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Trace: (Discrete)

Site no. : A/C Chamber	Data no. : 2
Dis. / Ant. : 3m 3115	Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-PK)	
Env. / Ins. : 8564EC 25°C/58%	Engineer : Jarwei Wang
EUT : Radio Control M/N:T10CG-2.4G	
Power Rating : DC 9.6V	
Test Mode : RX2442.240MHz	

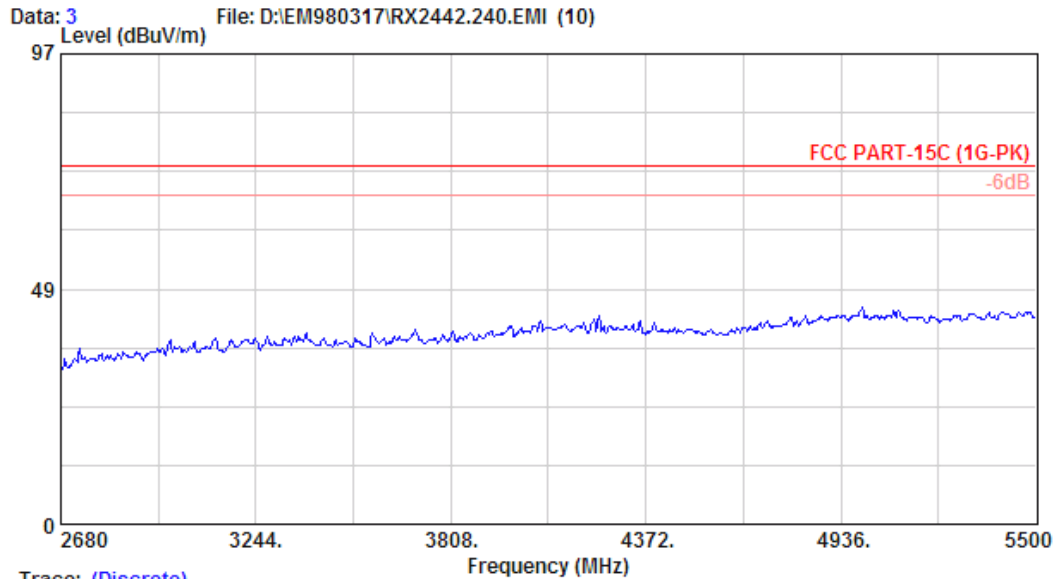


Trace: (Discrete)

Site no. : A/C Chamber	Data no. : 1
Dis. / Ant. : 3m 3115	Ant. pol. : VERTICAL
Limit : FCC PART-15C (1G-PK)	
Env. / Ins. : 8564EC 25°C/58%	Engineer : Jarwei Wang
EUT : Radio Control M/N:T10CG-2.4G	
Power Rating : DC 9.6V	
Test Mode : RX2442.240MHz	

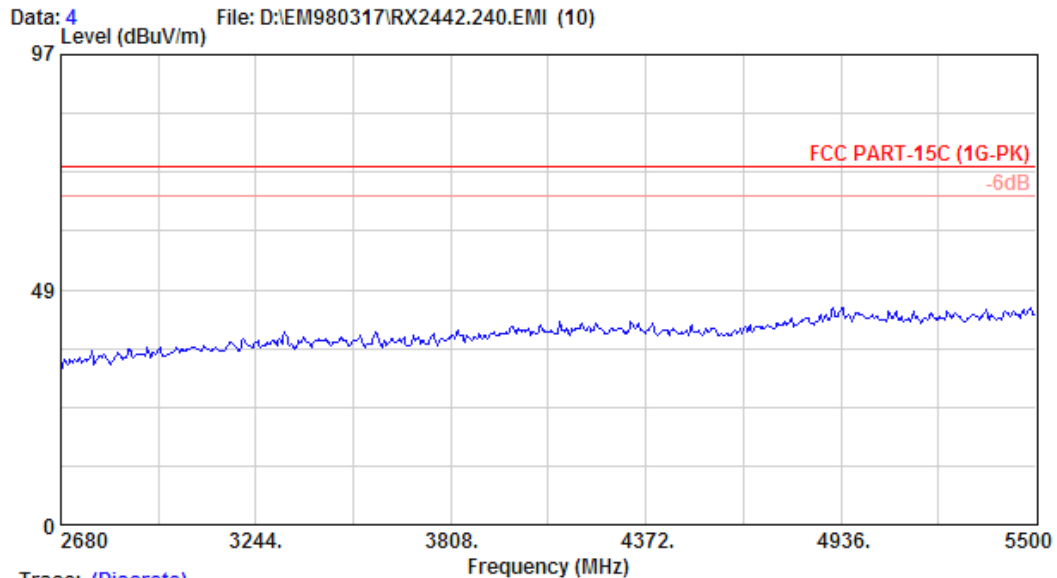


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Trace: (Discrete)

Site no.	: A/C Chamber	Data no.	: 3
Dis. / Ant.	: 3m 3115	Ant. pol.	: HORIZONTAL
Limit	: FCC PART-15C (1G-PK)		
Env. / Ins.	: 8564EC 25*C/58%	Engineer	: Jarwei Wang
EUT	: Radio Control M/N:T10CG-2.4G		
Power Rating	: DC 9.6V		
Test Mode	: RX2442.240MHz		

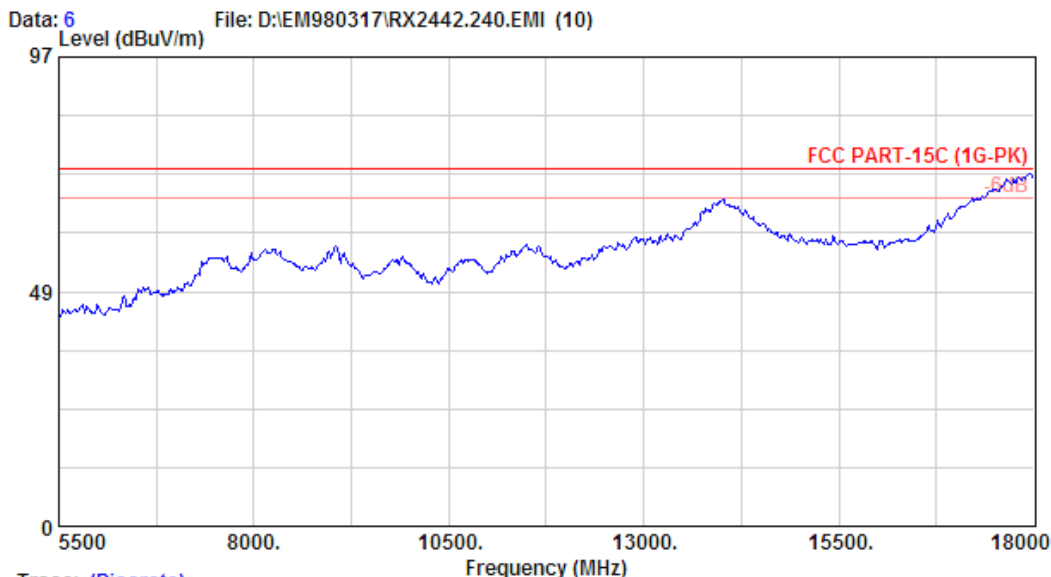


Trace: (Discrete)

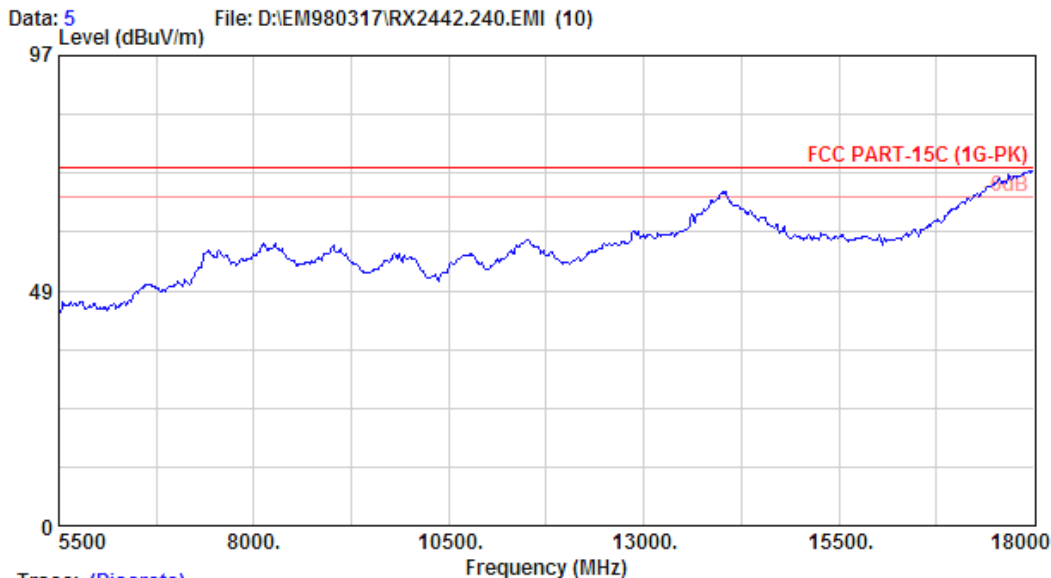
Site no.	: A/C Chamber	Data no.	: 4
Dis. / Ant.	: 3m 3115	Ant. pol.	: VERTICAL
Limit	: FCC PART-15C (1G-PK)		
Env. / Ins.	: 8564EC 25*C/58%	Engineer	: Jarwei Wang
EUT	: Radio Control M/N:T10CG-2.4G		
Power Rating	: DC 9.6V		
Test Mode	: RX2442.240MHz		



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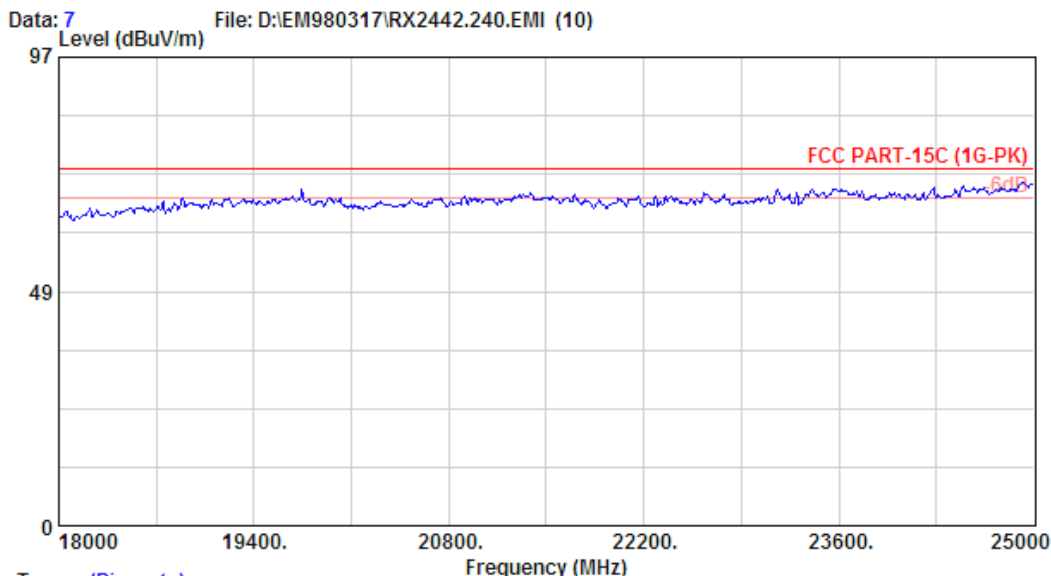
Site no.	: A/C Chamber	Data no.	: 6
Dis. / Ant.	: 3m 3115	Ant. pol.	: HORIZONTAL
Limit	: FCC PART-15C (1G-PK)		
Env. / Ins.	: 8564EC 25*C/58%	Engineer	: Jarwei Wang
EUT	: Radio Control M/N:T10CG-2.4G		
Power Rating	: DC 9.6V		
Test Mode	: RX2442.240MHz		



Site no.	: A/C Chamber	Data no.	: 5
Dis. / Ant.	: 3m 3115	Ant. pol.	: VERTICAL
Limit	: FCC PART-15C (1G-PK)		
Env. / Ins.	: 8564EC 25*C/58%	Engineer	: Jarwei Wang
EUT	: Radio Control M/N:T10CG-2.4G		
Power Rating	: DC 9.6V		
Test Mode	: RX2442.240MHz		

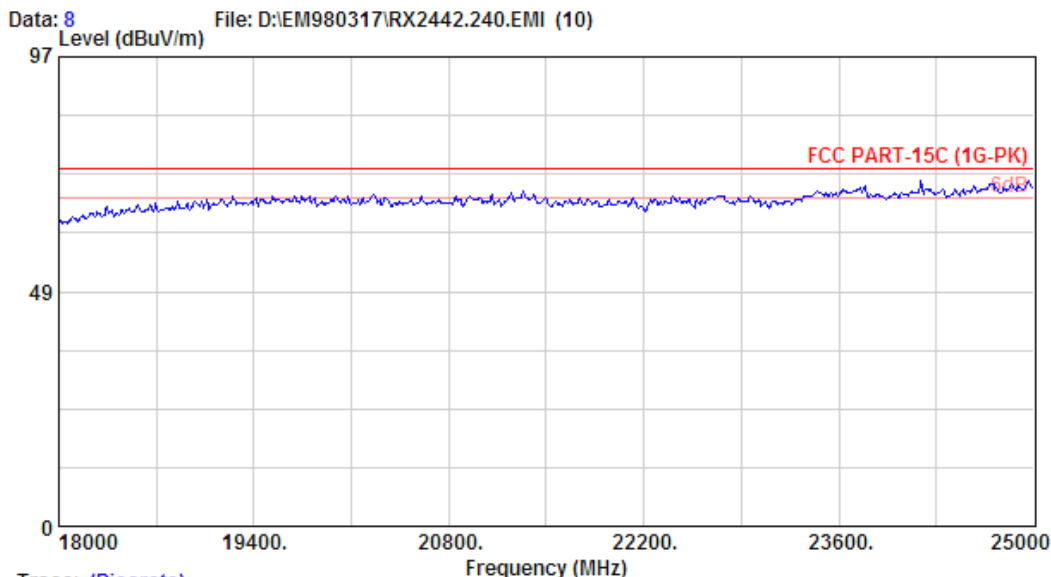


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Trace: (Discrete)

Site no. : site	Data no. : 7
Dis. / Ant. : 3m 3116	Ant. pol. : HORIZONTAL
Limit : FCC PART-15C (1G-PK)	
Env. / Ins. : 8564EC 25*C/58%	Engineer : Jarwei Wang
EUT : Radio Control M/N:T10CG-2.4G	
Power Rating : DC 9.6V	
Test Mode : RX2442.240MHz	



Trace: (Discrete)

Site no. : site	Data no. : 8
Dis. / Ant. : 3m 3116	Ant. pol. : VERTICAL
Limit : FCC PART-15C (1G-PK)	
Env. / Ins. : 8564EC 25*C/58%	Engineer : Jarwei Wang
EUT : Radio Control M/N:T10CG-2.4G	
Power Rating : DC 9.6V	
Test Mode : RX2442.240MHz	