



**FCC Part15, Subpart B  
ICES-003**

**TEST REPORT**

*For*

**TOY Receiver**

**MODEL NUMBER: 6420B, 6423B**

**FCC ID: G6D6420B**

**REPORT NUMBER: 4789413717-2**

**ISSUE DATE: April 17, 2020**

*Prepared for*

**NEW BRIGHT INDUSTRIAL CO., LTD  
9/F., NEW BRIGHT BUILDING, 11 SHEUNG YUET ROAD, KOWLOON BAY,  
KOWLOON, HONG KONG.**

*Prepared by*

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	04/17/2020	Initial Issue	



Summary of Test Results				
Standard	Test Item	Limit	Result	Remark
FCC Part15, Subpart B ANSI C63.4-2014 ICES-003 Issue 6	Conducted Disturbance	Class B	N/A	NOTE (1) NOTE (2)
	Radiated Disturbance below 1 GHz	Class B	PASS	
	Radiated Disturbance above 1 GHz	Class B	PASS	NOTE (3)

**Note:**

(1) "N/A" denotes test is not applicable in this test report.

(2) This test is only applicable for devices which can be charged or powered by AC power cable.

(3) If the highest frequency of the internal sources of the EUT is less than 108 MHz, the measurement shall only be made up to 1 GHz. If the highest frequency of the internal sources of the EUT is between 108 MHz and 500 MHz, the measurement shall only be made up to 2 GHz. If the highest frequency of the internal sources of the EUT is between 500 MHz and 1 GHz, measurement shall only be made up to 5 GHz. If the highest frequency of the internal sources of the EUT is above 1 GHz, the measurement shall be made up to 5 times the highest frequency or 40 GHz, whichever is less.

(4) This test report is only published to and used by the applicant, and it is not for evidence purpose in China.

(5) The measurement result for the sample received is <Pass> according to < FCC Part15, Subpart B and ICES-003 Issue 6 > when <Accuracy Method> decision rule is applied.



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# 1. ATTESTATION OF TEST RESULTS

## Applicant Information

Company Name: NEW BRIGHT INDUSTRIAL CO., LTD  
Address: 9/F., NEW BRIGHT BUILDING, 11 SHEUNG YUET ROAD, KOWLOON BAY, KOWLOON, HONG KONG.

## Manufacturer Information

Company Name: NEW BRIGHT INDUSTRIAL CO., LTD  
Address: 9/F., NEW BRIGHT BUILDING, 11 SHEUNG YUET ROAD, KOWLOON BAY, KOWLOON, HONG KONG.

## EUT Information

EUT Name: TOY Receiver  
Model: 6420B  
Series Model: 6423B  
Model Difference: See section 5.1 of this report for detail  
Brand: /  
Sample Received Date: February 20, 2020  
Sample Status: Normal  
Sample ID: 2944447  
Date of Tested: February 21, 2020 ~ April16, 2020

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC Part15, Subpart B	PASS
ICES-003 Issue 6	PASS

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Checked By:

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Approved By:

Stephen Guo  
Laboratory Manager



## 2. TEST METHODOLOGY

All tests were performed in accordance with the standard FCC Part15 Subpart B & ICES-003 Issue 6 & ANSI C63.4-2014.

## 3. FACILITIES AND ACCREDITATION

Accreditation Certificate	<p><b>A2LA (Certificate No.: 4102.01)</b> UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with A2LA.</p> <p><b>FCC (FCC Recognized No.: CN1187)</b> UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. Has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules</p> <p><b>ISED (Company No.: 21320)</b> UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been registered and fully described in a report filed with Industry Canada. The Company Number is 21320.</p> <p><b>VCCI (Registration No.: G-20019, R-20004, C-20012 and T-20011)</b> UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with VCCI, the Membership No. is 3793. Facility Name: Chamber D, the VCCI registration No. is G-20019 and R-20004 Shielding Room B , the VCCI registration No. is C-20012 and T-20011</p>
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Note: All tests measurement facilities use to collect the measurement data are located at Building 10, Innovation Technology Park, No. 1, Li Bin Road, Song Shan Lake Hi-Tech Development Zone Dongguan, 523808, People's Republic of China.

## 4. CALIBRATION AND UNCERTAINTY

### 4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations and is traceable to recognized national standards.

### 4.2. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Test Item	Measurement Frequency Range	K	U(dB)
Conducted emissions from the AC mains power ports	0.009MHz ~ 0.15MHz	2	4.00
Conducted emissions from the AC mains power ports	0.15MHz ~ 30MHz	2	3.62
Radiated emissions	30MHz ~ 1GHz	2	4.00
Radiated emissions	1GHz ~ 18GHz	2	5.78

Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of  $k=2$ .



## 5. EQUIPMENT UNDER TEST

### 5.1. DESCRIPTION OF EUT

EUT Name	TOY Receiver
Model	6420B
Series Model	6423B
Model Difference	6423B have the same technical construction including circuit diagram, PCB Layout, components and component layout, all electrical construction and mechanical construction with 6420B. The difference lies only to the 6423B add two jumpers for charging. All modes have been tested and perform in the report.
Rated Input	DC 3.0V
Battery	DC 1.2V, 80mAh

### 5.2. TEST MODE

Test Mode	Description
Mode 1	Charging
Mode 2	Running
Mode 3	Receiving

### 5.3. EUT ACCESSORY

Item	Accessory	Brand Name	Model Name	Description
1	Remote	NEW BRIGHT	43HC	N/A

### 5.4. SUPPORT UNITS FOR SYSTEM TEST

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	Specification	Series No.
1	Remote	NEW BRIGHT	G6D6423HC	N/A	N/A

The following cables were used to form a representative test configuration during the tests.

Item	Type of cable	Shielded Type	Ferrite Core	Length
/	/	/	/	/



## 6. MEASURING EQUIPMENT AND SOFTWARE USED

Radiated Emissions					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
MXE EMI Receiver	KESIGHT	N9038A	MY56400036	Dec. 6, 2019	Dec. 6, 2020
Hybrid Log Periodic Antenna	TDK	HLP-3003C	130959	Sept. 17, 2018	Sept. 17, 2021
Preamplifier	HP	8447D	2944A09099	Dec. 5, 2019	Dec. 5, 2020
EMI Measurement Receiver	R&S	ESR26	101377	Dec. 5, 2019	Dec. 5, 2020
Horn Antenna	TDK	HRN-0118	130939	Sept. 17, 2018	Sept. 17, 2021
Preamplifier	TDK	PA-02-0118	TRS-305-00067	Dec. 05, 2019	Dec. 5, 2020
Preamplifier	TDK	PA-02-001-3000	TRS-302-00050	Dec. 05, 2019	Dec. 05, 2020
Software					
Description			Manufacturer	Name	Version
Test Software for Radiated Emissions			Farad	EZ-EMC	Ver. UL-3A1



## 7. EMISSION TEST

### 7.1. RADIATED EMISSIONS MEASUREMENT

#### LIMITS

Below 1 GHz

CFR 47 FCC Part15 Subpart B ICES-003 Issue 6			
Frequency (MHz)	Class A		Class B
	Field strength (uV/m) (at 10m)	Field strength (dBuV/m) (at 3m)	Field strength (dBuV/m) (at 3m)
30 - 88	90	49.5	40
88 - 216	150	53.9	43.5
216 - 960	210	56.9	46
Above 960	300	60	54

Above 1 GHz

CFR 47 FCC Part15 Subpart B ICES-003 Issue 6						
Frequency (MHz)	Class A				Class B	
	(dBuV/m) (at 3m)		(dBuV/m) (at 10m)		(dBuV/m) (at 3m)	
	Peak	Average	Peak	Average	Peak	Average
Above 1000	80	60	69.5	49.5	74	54

#### Test Frequency Range of Radiated Disturbance Measurement

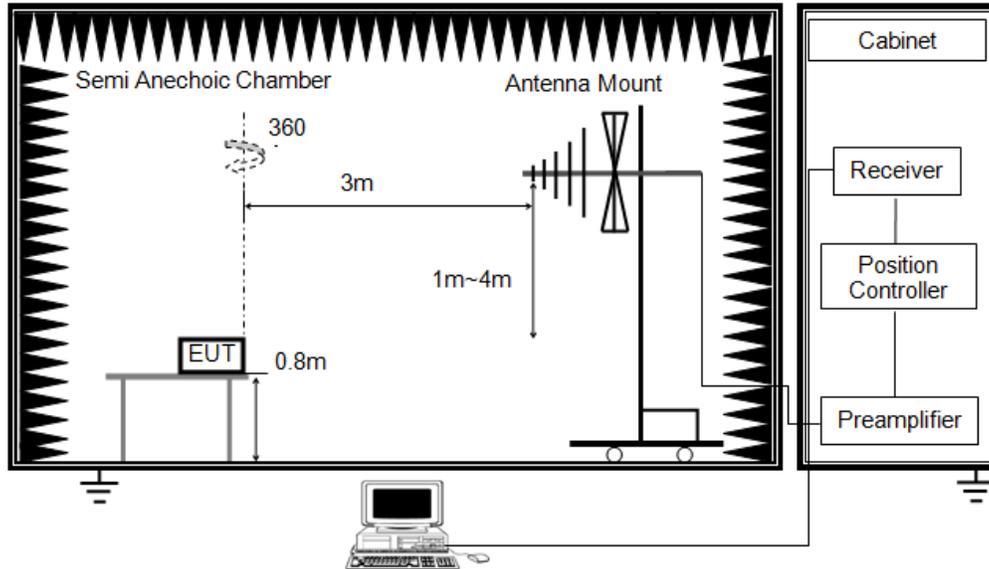
Highest frequency generated or Upper frequency of measurement used in the device or on which the device operates or tunes (MHz)	Range (MHz)
Below 1.705	30
1.705 - 108	1000
108 - 500	2000
500 - 1000	5000
Above 1000	5 <sup>th</sup> harmonic of the highest frequency or 40 GHz, whichever is lower

#### NOTE:

- (1) The limit for radiated test was performed according to FCC Part 15, Subpart B;
- (2) The tighter limit applies at the band edges;
- (3) Emission level (dBuV/m) = 20log Emission level (uV/m),  
3m Emission level = 10m Emission level + 20log(10m/3m);

## TEST SETUP AND PROCEDURE

Below 1G and above 30MHz

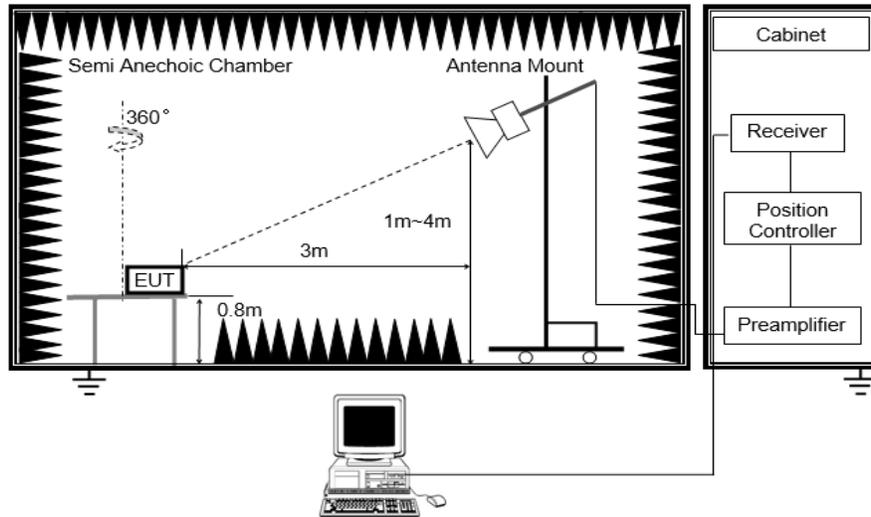


The setting of the spectrum analyser

RBW	120K
VBW	300K
Sweep	Auto
Detector	Peak and QP
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.4-2014.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp was used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 80cm above ground.
4. Cables of hand-operated devices, such as keyboards and mice, shall be placed as for normal used.
5. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
6. For measurement below 1GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.

Above 1G



The setting of the spectrum analyser

RBW	1M
VBW	3M
Sweep	Auto
Detector	Peak: Peak AVG: RMS
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.4-2014.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 80cm above ground.
4. Cables of hand-operated devices, such as keyboards and mice, shall be placed as for normal used.
5. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
6. For measurement above 1GHz, the peak emission measurement will be measured by the peak detector. This peak level, once corrected, must comply with the peak limit specified in Section 15.109. If peak result complies with average limit, average result is deemed to comply with average limit.
7. The average emission measurement will be measured by the RMS detector and must comply with the average limit specified in Section 15.109.



**TEST ENVIRONMENT**

Radiated Emissions - Below 1 GHz		Radiated Emissions - Above 1 GHz	
Temperature:	23°C	Temperature:	23.5°C
Humidity:	62%	Humidity:	58%
Atmosphere Pressure	101kPa	Atmosphere Pressure	101kPa

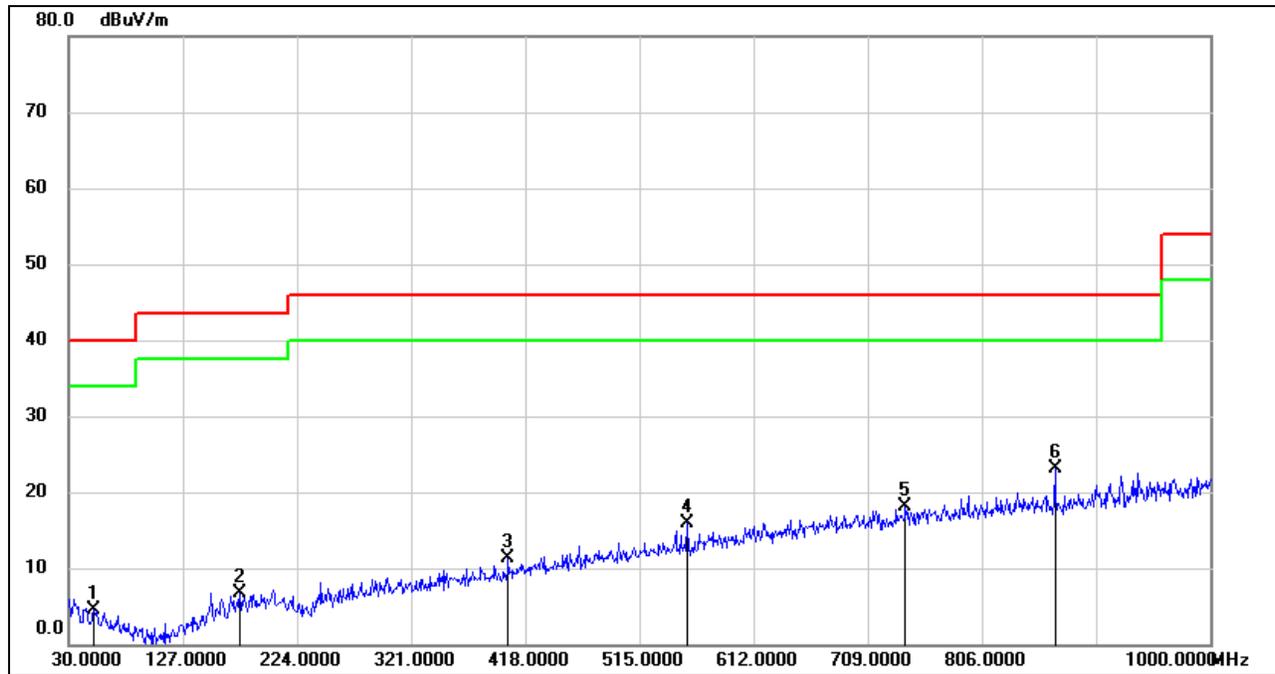
**TEST MODE**

Radiated Emissions - Below 1 GHz		Radiated Emissions - Above 1 GHz	
Pre-test Mode:	Mode 1 ~ Mode 3	Pre-test Mode:	Mode 1 ~ Mode 3
Final Test Mode:	Mode 1 ~ Mode 3	Final Test Mode:	Mode 2 & Mode 3

Note: The difference between the car model number with 6420B and 6423 is 6423B add two jumpers for charging. The charging mode each sample had been tested and the data were recorded in the report, for running mode and receiving mode, two sample had been tested, but only the worst data recorded in the report.

**TEST RESULTS**

Radiated Emissions – Below 1GHz			
Measurement Method	Radiated	Polar:	Horizontal
Test Mode:	Mode 1	Test Voltage:	DC 3.0V
Model:	6420B		

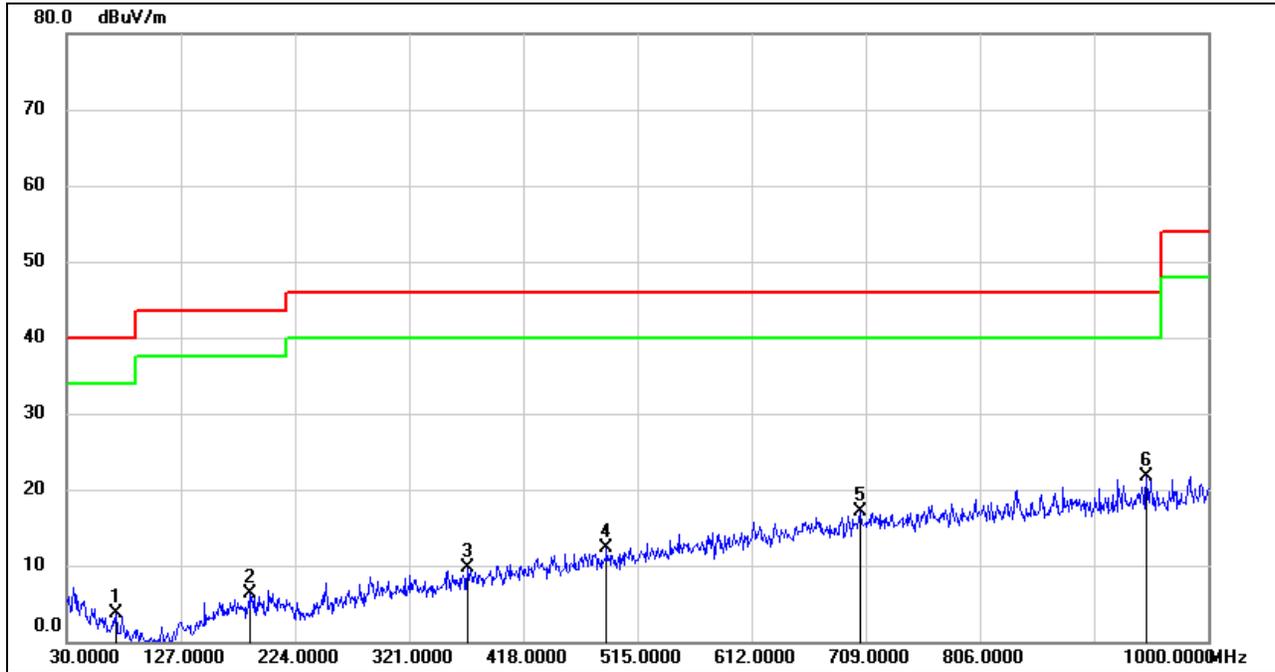


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	51.3400	22.91	-18.43	4.48	40.00	-35.52	QP
2	175.5000	23.93	-17.23	6.70	43.50	-36.80	QP
3	403.4500	23.99	-12.70	11.29	46.00	-34.71	QP
4	555.7400	25.79	-9.83	15.96	46.00	-30.04	QP
5	741.0100	24.56	-6.41	18.15	46.00	-27.85	QP
6	868.0800	27.69	-4.67	23.02	46.00	-22.98	QP

Note: 1. Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)  
 2. Margin = Result - Limit



Radiated Emissions – Below 1GHz			
Measurement Method	Radiated	Polar:	Vertical
Test Mode:	Mode 1	Test Voltage:	DC 3.0V
Model:	6420B		



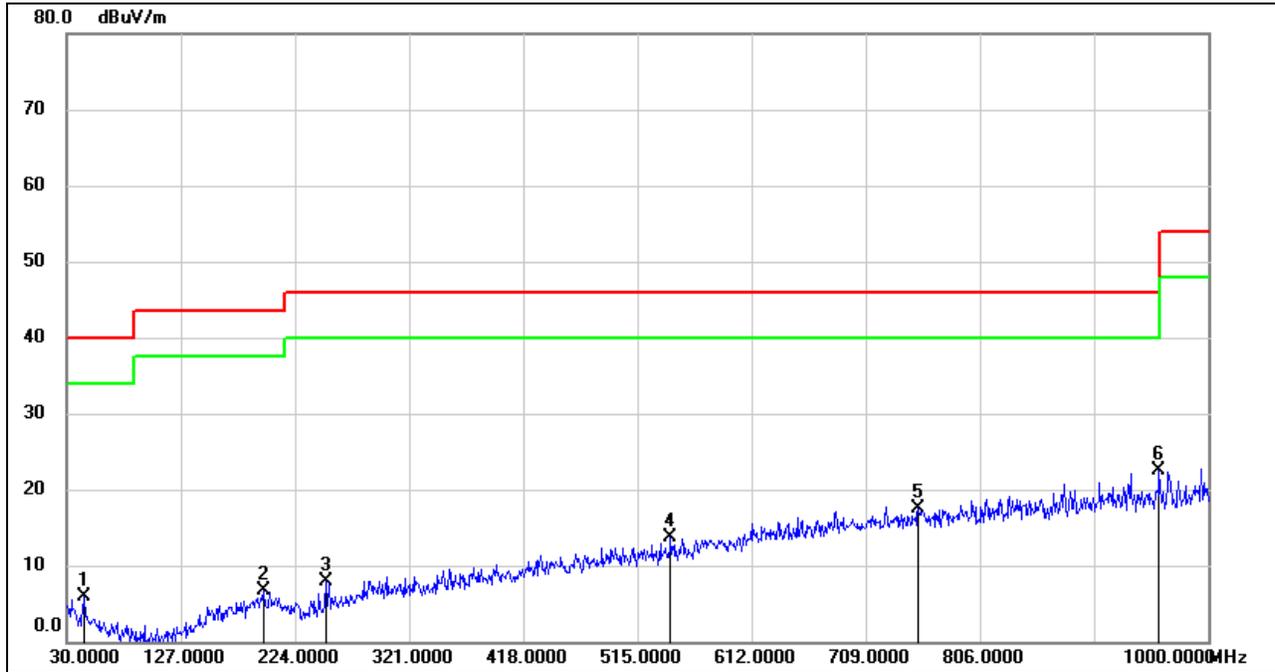
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	71.7100	23.98	-20.20	3.78	40.00	-36.22	QP
2	185.2000	23.13	-16.75	6.38	43.50	-37.12	QP
3	370.4700	22.93	-13.15	9.78	46.00	-36.22	QP
4	488.8100	23.31	-11.09	12.22	46.00	-33.78	QP
5	704.1500	24.04	-6.86	17.18	46.00	-28.82	QP
6	947.6200	25.26	-3.47	21.79	46.00	-24.21	QP

Note: 1. Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)

2. Margin = Result - Limit



Radiated Emissions – Below 1GHz			
Measurement Method	Radiated	Polar:	Horizontal
Test Mode:	Mode 1	Test Voltage:	DC 3.0V
Model:	6423B		

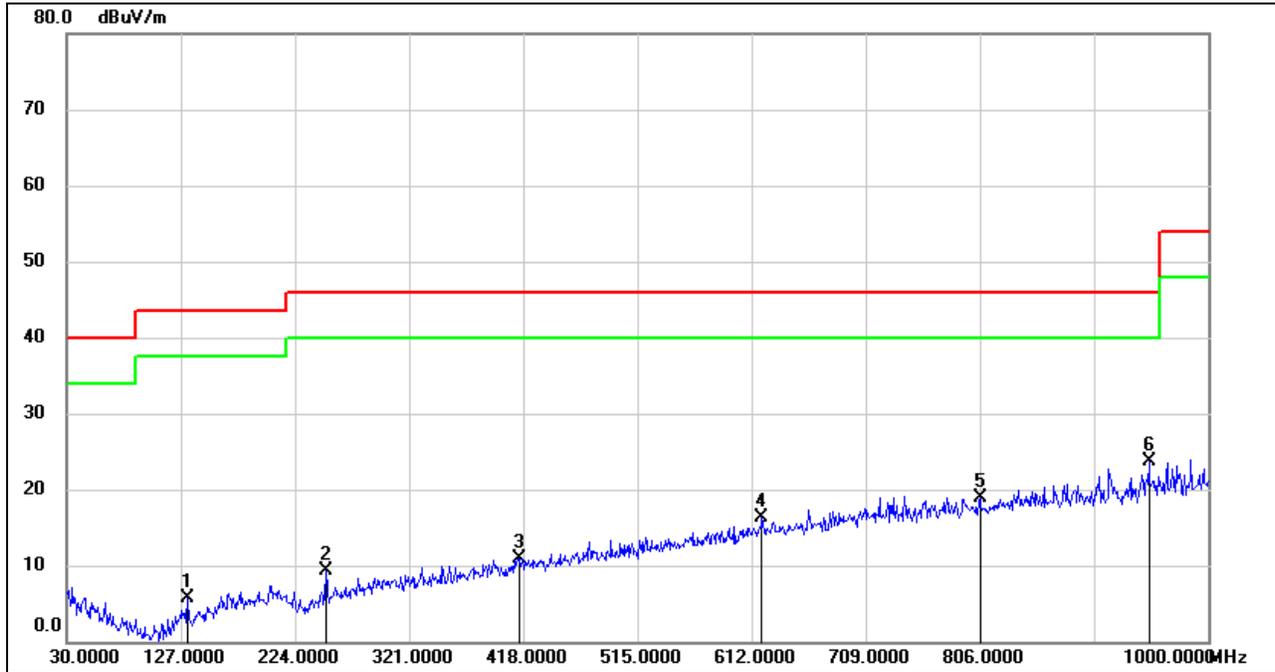


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	44.5500	23.98	-17.99	5.99	40.00	-34.01	QP
2	197.8100	23.17	-16.40	6.77	43.50	-36.73	QP
3	250.1900	24.20	-16.34	7.86	46.00	-38.14	QP
4	543.1300	23.74	-10.00	13.74	46.00	-32.26	QP
5	753.6200	23.85	-6.30	17.55	46.00	-28.45	QP
6	958.2900	26.06	-3.49	22.57	46.00	-23.43	QP

Note: 1. Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)  
2. Margin = Result - Limit



Radiated Emissions – Below 1GHz			
Measurement Method	Radiated	Polar:	Vertical
Test Mode:	Mode 1	Test Voltage:	DC 3V
Model:	6423B		



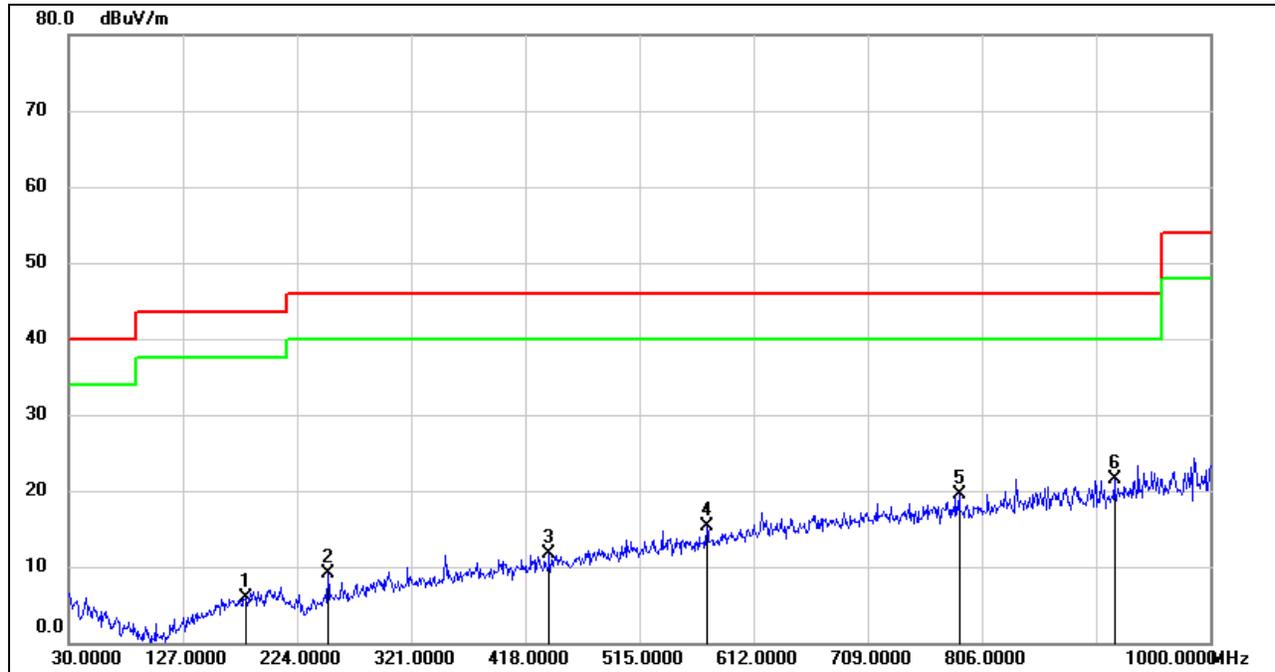
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	132.8200	25.14	-19.51	5.63	43.50	-37.87	QP
2	250.1900	25.70	-16.34	9.36	46.00	-36.64	QP
3	414.1200	23.35	-12.46	10.89	46.00	-35.11	QP
4	620.7300	24.69	-8.44	16.25	46.00	-29.75	QP
5	806.0000	24.38	-5.53	18.85	46.00	-27.15	QP
6	949.5600	27.14	-3.42	23.72	46.00	-22.28	QP

Note: 1. Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)

2. Margin = Result - Limit



Radiated Emissions – Below 1GHz			
Measurement Method	Radiated	Polar:	Horizontal
Test Mode:	Mode 2	Test Voltage:	DC 1.2V
Model:	6420B		



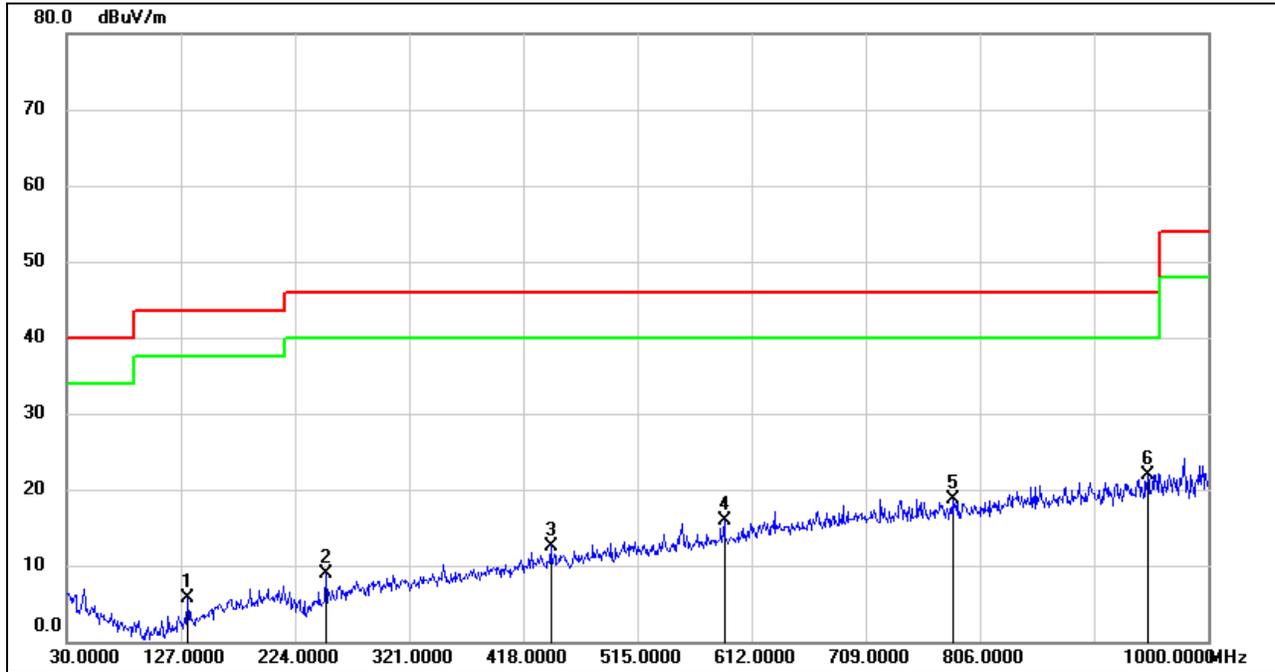
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	180.3500	22.81	-16.93	5.88	43.50	-37.62	QP
2	250.1900	25.50	-16.34	9.16	46.00	-36.84	QP
3	438.3700	23.73	-12.02	11.71	46.00	-34.29	QP
4	572.2300	24.76	-9.40	15.36	46.00	-30.64	QP
5	786.6000	25.37	-5.86	19.51	46.00	-26.49	QP
6	918.5200	25.46	-3.98	21.48	46.00	-24.52	QP

Note: 1. Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)

2. Margin = Result - Limit



Radiated Emissions – Below 1GHz			
Measurement Method	Radiated	Polar:	Vertical
Test Mode:	Mode 2	Test Voltage:	DC 1.2V
Model:	6420B		



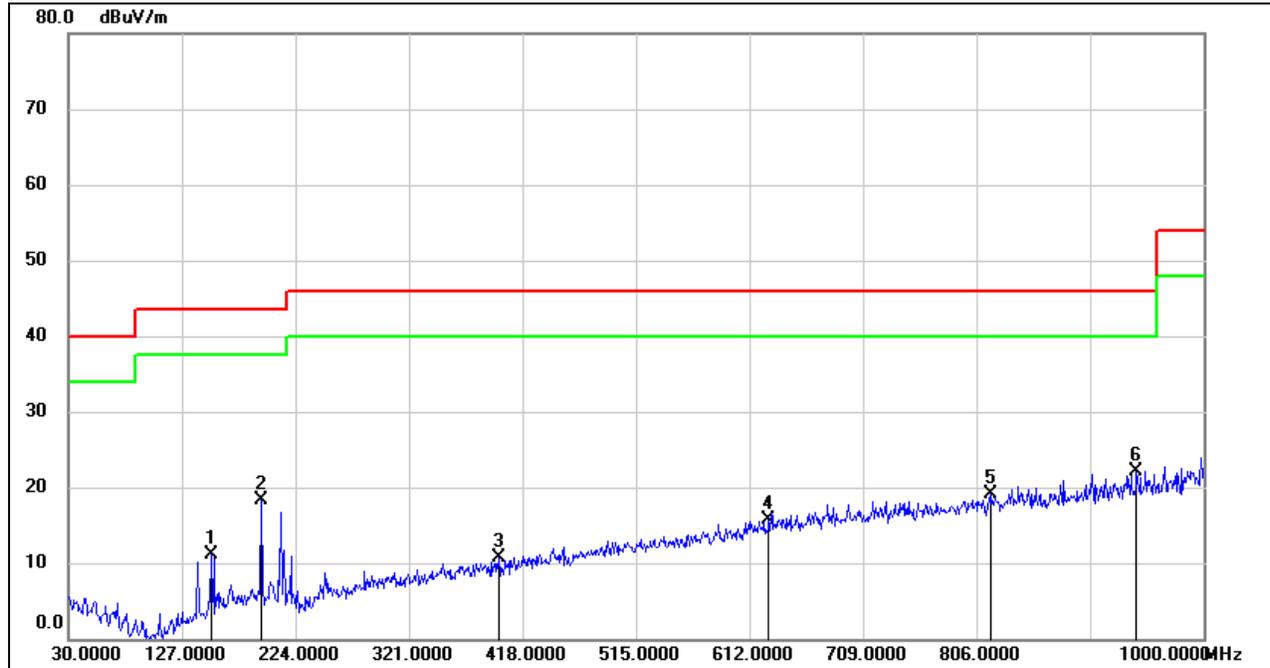
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	132.8200	25.22	-19.51	5.71	43.50	-37.79	QP
2	250.1900	25.32	-16.34	8.98	46.00	-37.02	QP
3	441.2800	24.58	-11.98	12.60	46.00	-33.40	QP
4	588.7199	25.13	-9.13	16.00	46.00	-30.00	QP
5	782.7199	24.56	-5.88	18.68	46.00	-27.32	QP
6	948.5900	25.30	-3.45	21.85	46.00	-24.15	QP

Note: 1. Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)

2. Margin = Result - Limit



Radiated Emissions – Below 1GHz			
Measurement Method	Radiated	Polar:	Horizontal
Test Mode:	Mode 3	Test Voltage:	DC 1.2V
Model:	6420B		



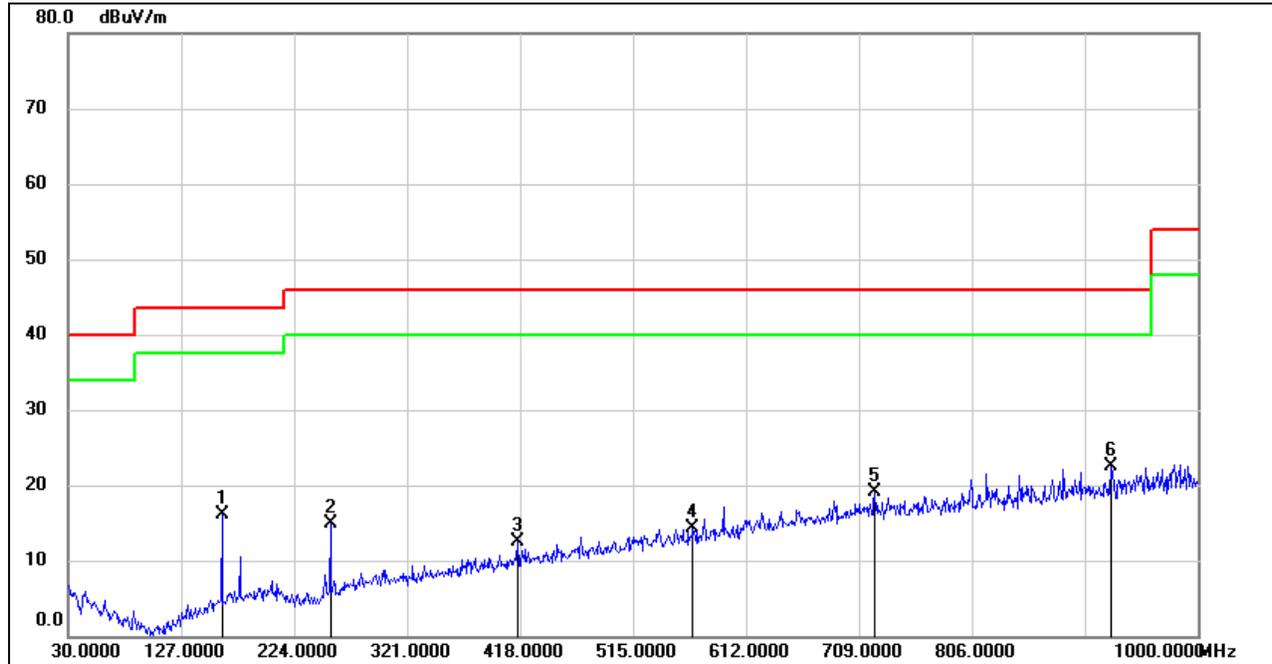
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	152.2200	29.22	-18.16	11.06	43.50	-32.44	QP
2	194.9000	34.86	-16.49	18.37	43.50	-25.13	QP
3	397.6300	23.59	-12.83	10.76	46.00	-35.24	QP
4	628.4900	24.12	-8.43	15.69	46.00	-30.31	QP
5	818.6100	24.36	-5.17	19.19	46.00	-26.81	QP
6	942.7700	25.83	-3.63	22.20	46.00	-23.80	QP

Note: 1. Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)

2. Margin = Result - Limit



Radiated Emissions – Below 1GHz			
Measurement Method	Radiated	Polar:	Vertical
Test Mode:	Mode 3	Test Voltage:	DC 1.2V
Model:	6420B		



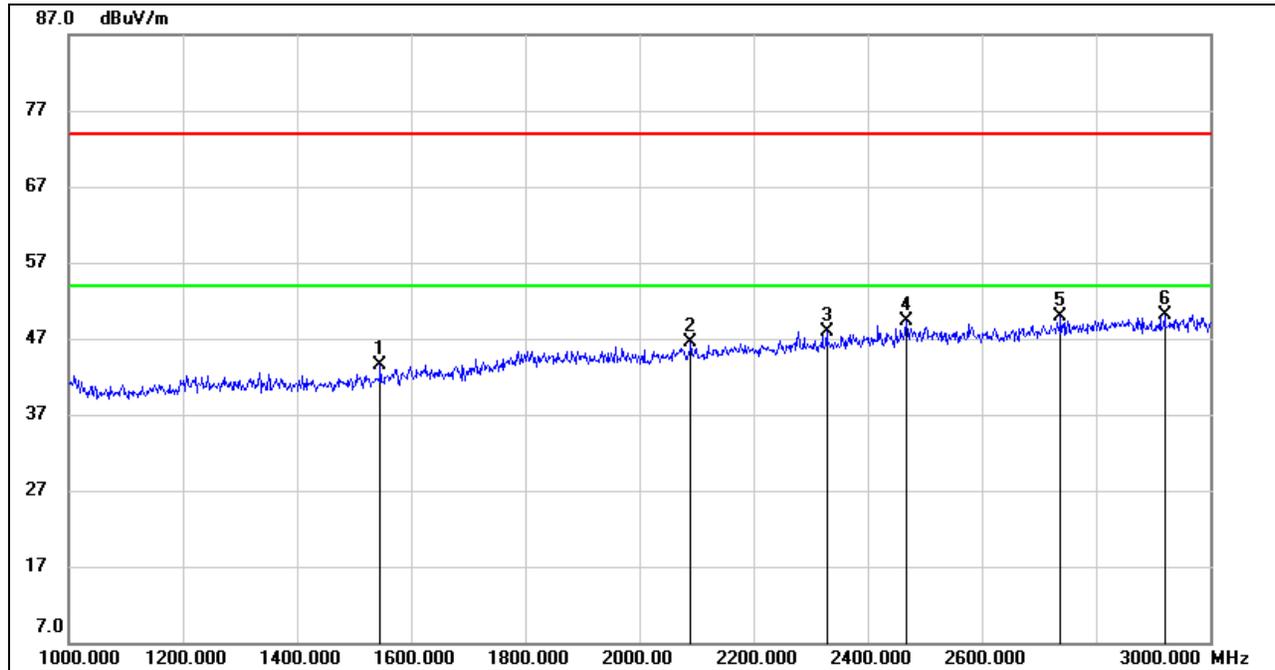
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	161.9200	33.83	-17.72	16.11	43.50	-27.39	QP
2	255.0400	31.20	-16.24	14.96	46.00	-31.04	QP
3	416.0600	24.84	-12.43	12.41	46.00	-33.59	QP
4	566.4099	23.83	-9.57	14.26	46.00	-31.74	QP
5	722.5800	25.60	-6.48	19.12	46.00	-26.88	QP
6	925.3100	26.30	-3.85	22.45	46.00	-23.55	QP

Note: 1. Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)

2. Margin = Result - Limit



Radiated Emissions – Above 1GHz and Below 3GHz			
Measurement Method	Radiated	Polar:	Horizontal
Test Mode:	Mode 2	Test Voltage:	DC 1.2V
Model:	6420B		

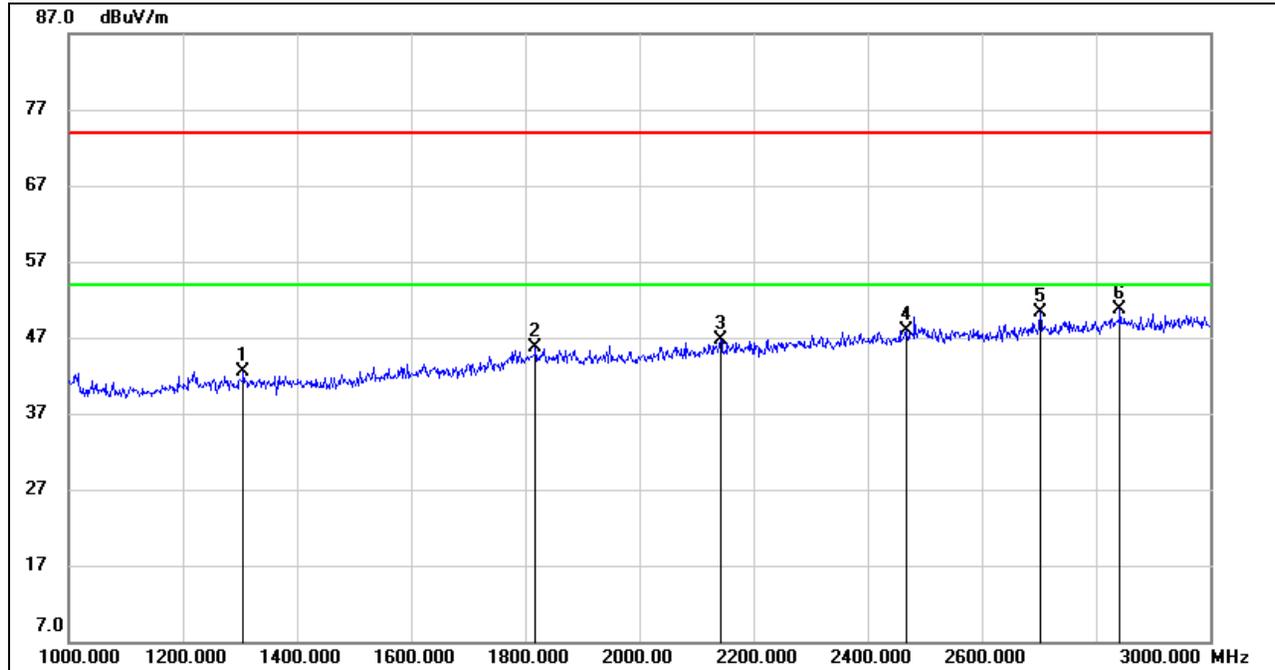


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1546.000	13.95	29.52	43.47	74.00	-30.53	peak
2	2090.000	14.48	31.93	46.41	74.00	-27.59	peak
3	2328.000	15.15	32.73	47.88	74.00	-26.12	peak
4	2468.000	15.79	33.47	49.26	74.00	-24.74	peak
5	2738.000	15.92	33.98	49.90	74.00	-24.10	peak
6	2920.000	15.27	34.84	50.11	74.00	-23.89	peak

- Note: 1. Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)  
 2. Margin = Result - Limit  
 3. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 4. Peak: Peak detector.  
 5. AVG: RMS detector.



Radiated Emissions – Above 1GHz and Below 3GHz			
Measurement Method	Radiated	Polar:	Vertical
Test Mode:	Mode 2	Test Voltage:	DC 1.2V
Model:	6420B		

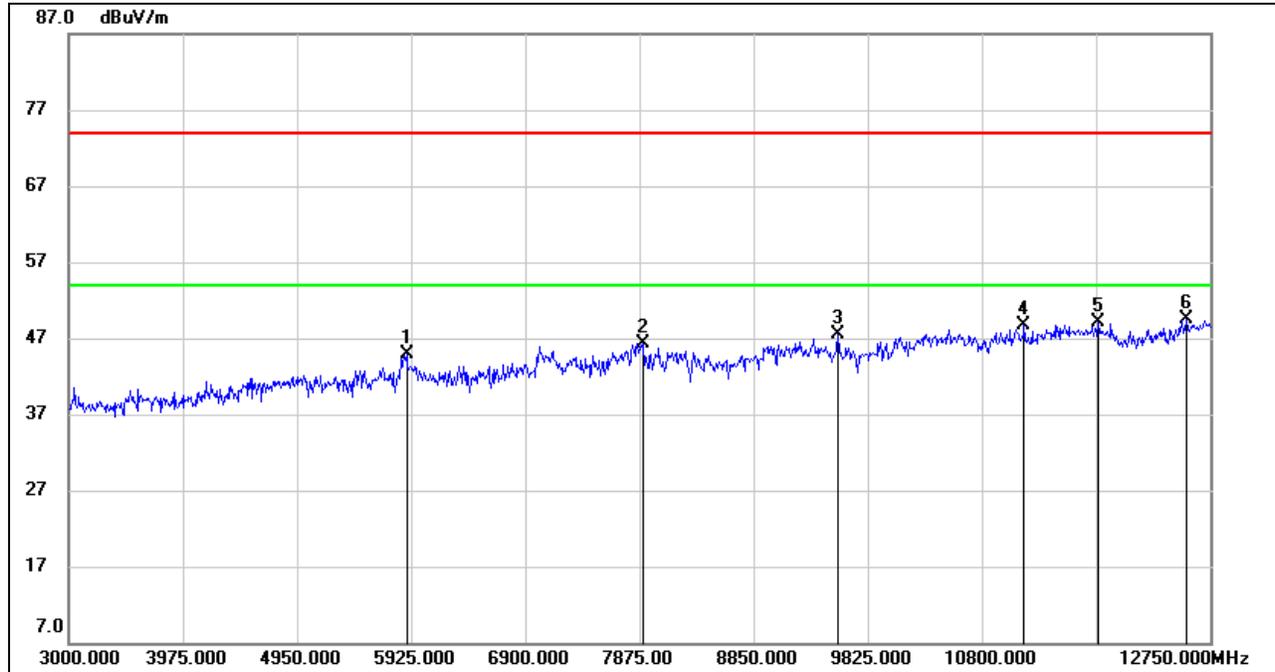


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1306.000	13.50	29.04	42.54	74.00	-31.46	peak
2	1818.000	14.39	31.30	45.69	74.00	-28.31	peak
3	2142.000	14.56	32.13	46.69	74.00	-27.31	peak
4	2468.000	14.45	33.47	47.92	74.00	-26.08	peak
5	2702.000	16.54	33.78	50.32	74.00	-23.68	peak
6	2842.000	16.12	34.51	50.63	74.00	-23.37	peak

- Note: 1. Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)  
 2. Margin = Result - Limit  
 3. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 4. Peak: Peak detector.  
 5. AVG: RMS detector.



Radiated Emissions – Above 3GHz			
Measurement Method	Radiated	Polar:	Horizontal
Test Mode:	Mode 2	Test Voltage:	DC 1.2V
Model:	6420B		



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5886.000	40.15	4.70	44.85	74.00	-29.15	peak
2	7904.250	39.15	7.21	46.36	74.00	-27.64	peak
3	9571.500	37.94	9.64	47.58	74.00	-26.42	peak
4	11160.750	36.16	12.53	48.69	74.00	-25.31	peak
5	11794.500	35.90	13.17	49.07	74.00	-24.93	peak
6	12545.250	35.14	14.30	49.44	74.00	-24.56	peak

Note: 1. Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor + High Pass Filter Loss Factor)

2. Margin = Result - Limit

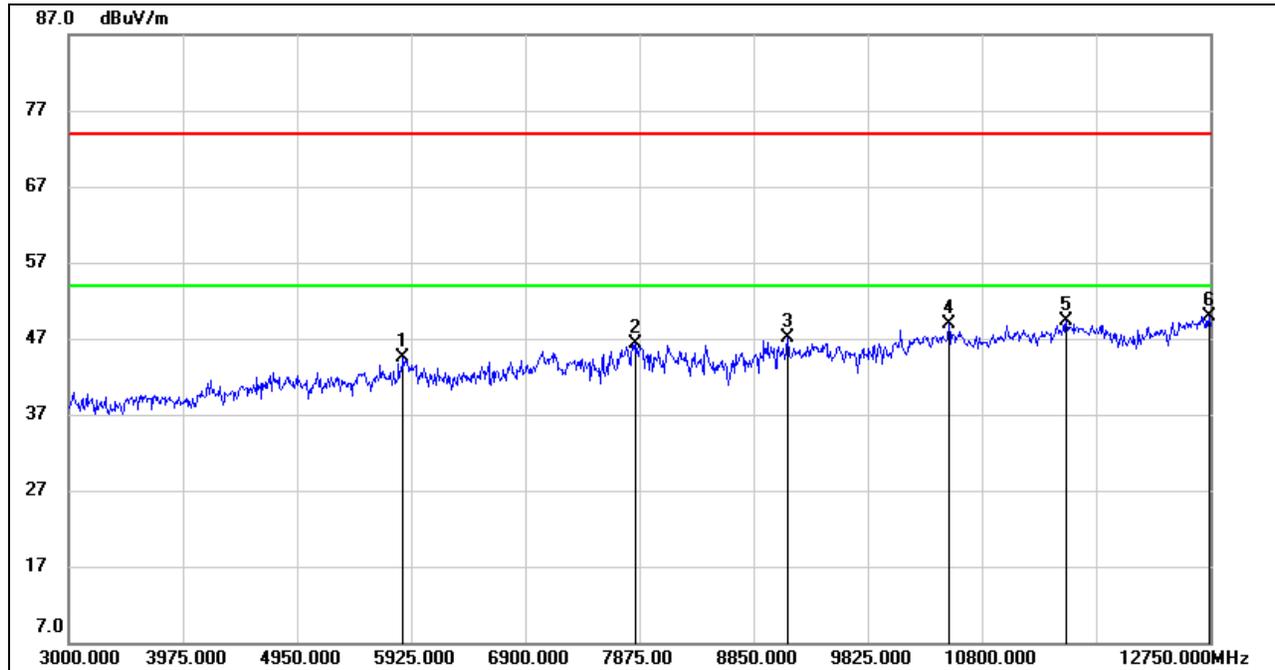
3. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

4. Peak: Peak detector.

5. AVG: RMS detector.



Radiated Emissions – Above 3GHz			
Measurement Method	Radiated	Polar:	Vertical
Test Mode:	Mode 2	Test Voltage:	DC 1.2V
Model:	6420B		



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5856.750	40.26	4.16	44.42	74.00	-29.58	peak
2	7845.750	38.71	7.61	46.32	74.00	-27.68	peak
3	9142.500	38.17	9.02	47.19	74.00	-26.81	peak
4	10517.250	37.43	11.48	48.91	74.00	-25.09	peak
5	11521.500	35.89	13.37	49.26	74.00	-24.74	peak
6	12740.250	35.06	14.84	49.90	74.00	-24.10	peak

Note: 1. Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor + High Pass Filter Loss Factor)

2. Margin = Result - Limit

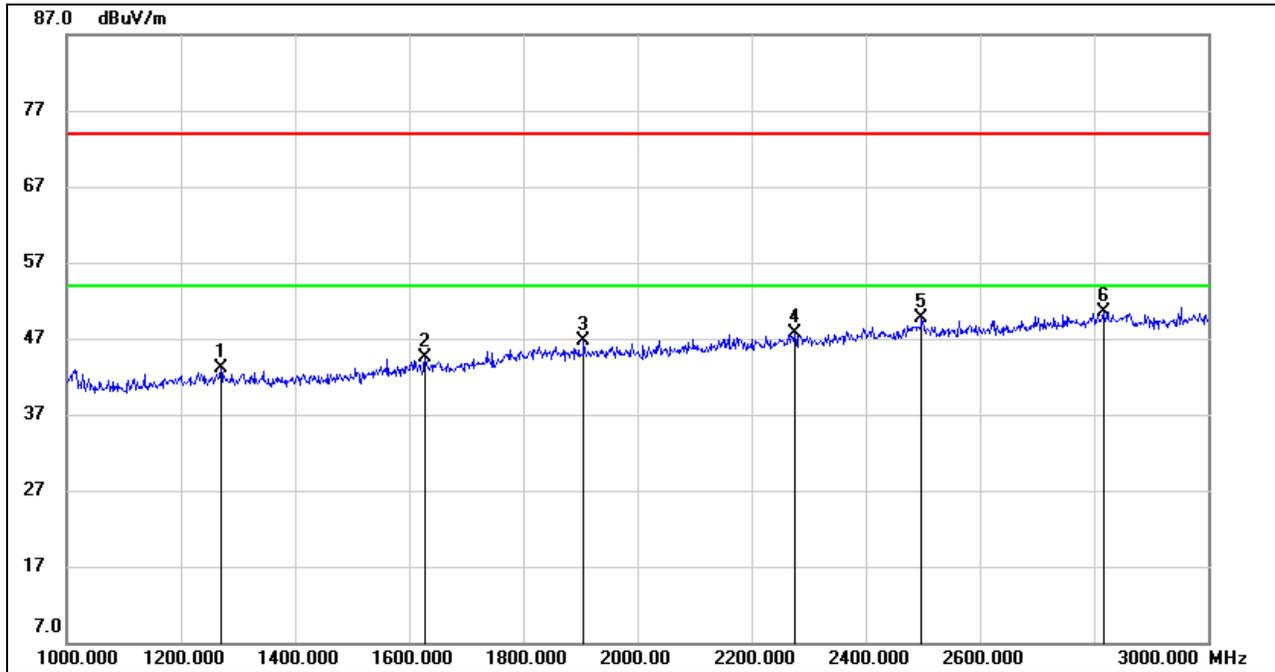
3. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

4. Peak: Peak detector.

5. AVG: RMS detector.



Radiated Emissions – Above 1GHz and Below 3GHz			
Measurement Method	Radiated	Polar:	Horizontal
Test Mode:	Mode 3	Test Voltage:	DC 1.2V
Model:	6420B		

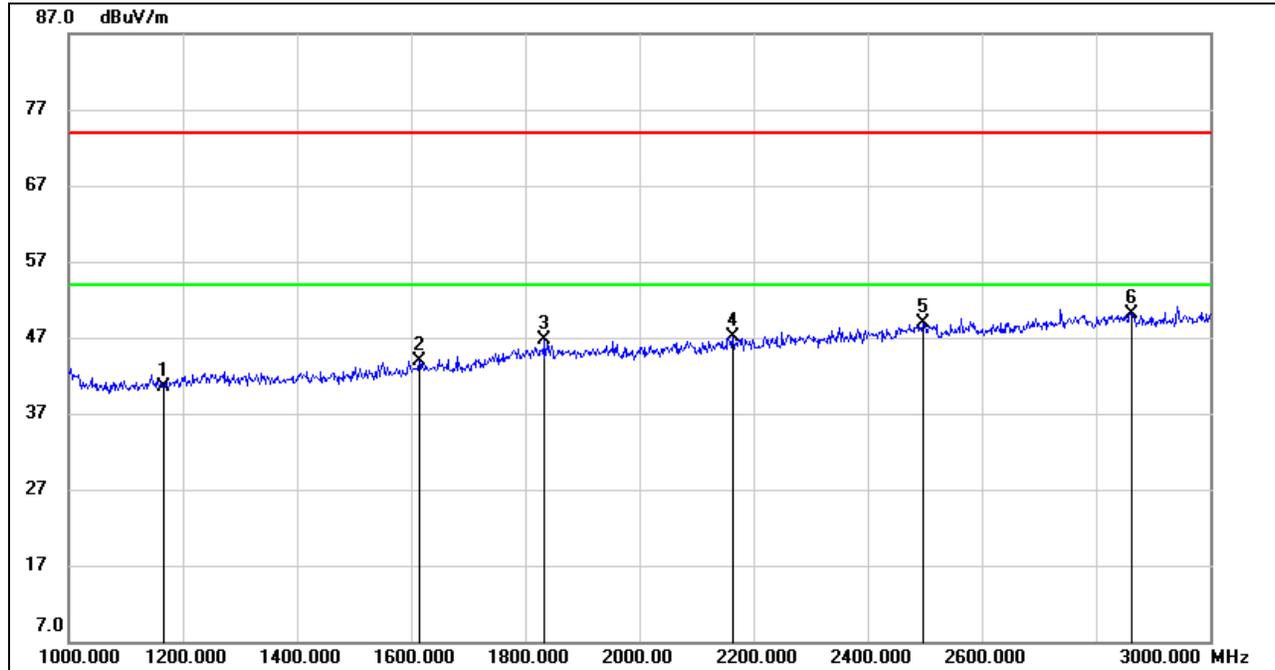


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1270.000	14.12	28.95	43.07	74.00	-30.93	peak
2	1628.000	14.37	30.06	44.43	74.00	-29.57	peak
3	1906.000	15.31	31.39	46.70	74.00	-27.30	peak
4	2276.000	15.11	32.57	47.68	74.00	-26.32	peak
5	2498.000	16.00	33.69	49.69	74.00	-24.31	peak
6	2816.000	16.18	34.40	50.58	74.00	-23.42	peak

- Note: 1. Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)  
 2. Margin = Result - Limit  
 3. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 4. Peak: Peak detector.  
 5. AVG: RMS detector.



Radiated Emissions – Above 1GHz and Below 3GHz			
Measurement Method	Radiated	Polar:	Vertical
Test Mode:	Mode 3	Test Voltage:	DC 1.2V
Model:	6420B		

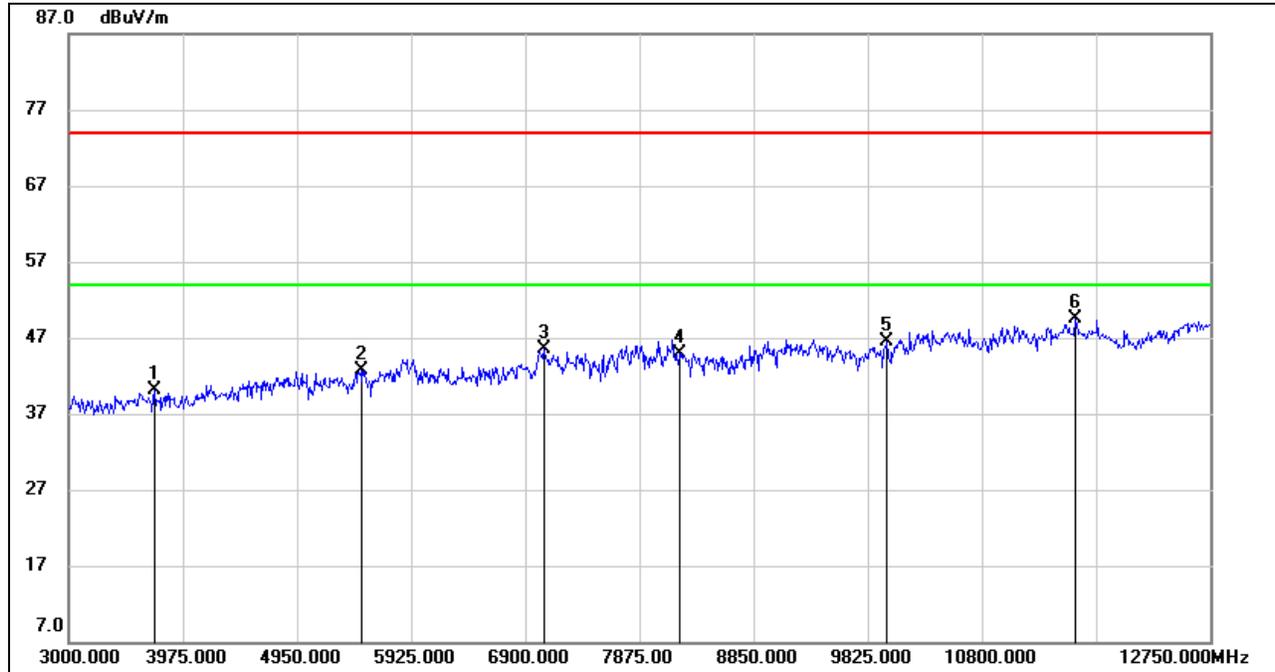


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1166.000	12.12	28.42	40.54	74.00	-33.46	peak
2	1614.000	13.86	30.02	43.88	74.00	-30.12	peak
3	1834.000	15.35	31.32	46.67	74.00	-27.33	peak
4	2164.000	14.98	32.21	47.19	74.00	-26.81	peak
5	2496.000	15.15	33.67	48.82	74.00	-25.18	peak
6	2862.000	15.51	34.60	50.11	74.00	-23.89	peak

- Note: 1. Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor)  
 2. Margin = Result - Limit  
 3. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.  
 4. Peak: Peak detector.  
 5. AVG: RMS detector.



Radiated Emissions – Above 3GHz			
Measurement Method	Radiated	Polar:	Horizontal
Test Mode:	Mode 3	Test Voltage:	DC 1.2V
Model:	6420B		



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3731.250	42.85	-2.75	40.10	74.00	-33.90	peak
2	5496.000	39.61	3.01	42.62	74.00	-31.38	peak
3	7056.000	39.68	5.84	45.52	74.00	-28.48	peak
4	8216.250	36.67	8.26	44.93	74.00	-29.07	peak
5	9990.750	36.38	10.08	46.46	74.00	-27.54	peak
6	11599.500	36.28	13.18	49.46	74.00	-24.54	peak

Note: 1. Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor + High Pass Filter Loss Factor)

2. Margin = Result - Limit

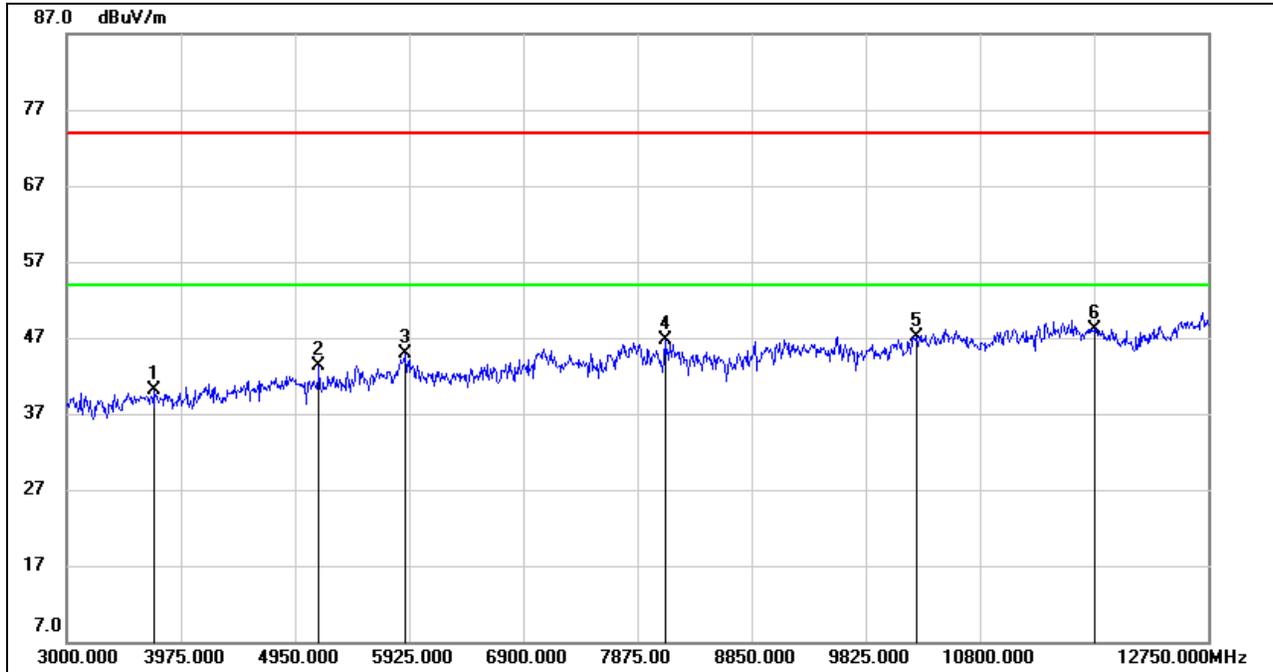
3. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

4. Peak: Peak detector.

5. AVG: RMS detector.



Radiated Emissions – Above 3GHz			
Measurement Method	Radiated	Polar:	Vertical
Test Mode:	Mode 3	Test Voltage:	DC 1.2V
Model:	6420B		



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3750.750	42.78	-2.76	40.02	74.00	-33.98	peak
2	5154.750	41.42	1.96	43.38	74.00	-30.62	peak
3	5895.750	40.11	4.87	44.98	74.00	-29.02	peak
4	8109.000	38.76	7.87	46.63	74.00	-27.37	peak
5	10254.000	36.45	10.65	47.10	74.00	-26.90	peak
6	11784.750	34.99	13.15	48.14	74.00	-25.86	peak

Note: 1. Reading +Correct (Amplifier Factor + Cable Loss + Antenna Factor + High Pass Filter Loss Factor)

2. Margin = Result - Limit

3. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.

4. Peak: Peak detector.

5. AVG: RMS detector.