

FCC Part15, Subpart B ICES-003

TEST REPORT

For

TOY Receiver

MODEL NUMBER: 64BS

FCC ID: G6D64BS

REPORT NUMBER: 4789384383

ISSUE DATE: February 26, 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	02/26/2020	Initial Issue	



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

Note:

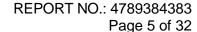
- (1) "N/A" denotes test is not applicable in this test report.
- (2) This test is only applicable for devices which can be charged or powered by AC power cable.
- (3) If the highest frequency of the internal sources of the EUT is less than 108 MHz, the measurement shall only be made up to 1 GHz. If 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.

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



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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: 64BS

Sample Received Date: February 20, 2020

Sample Status: Normal

Date of Tested: February 21, 2020~ February 25, 2020

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

Prepared By: Checked By:

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Shawn Wen Laboratory Leader

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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

i	
	A2LA (Certificate No.: 4102.01)
	UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
	has been assessed and proved to be in compliance with A2LA.
	FCC (FCC Recognized No.: CN1187)
	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
	IC (Company No.: 21320)
Accreditation	UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
Certificate	has been registered and fully described in a report filed with
	Industry Canada. The Company Number is 21320.
	VCCI (Registration No.: G-20019, R-20004, C-20012 and T-20011)
	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

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	К	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.

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5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

EUT Name	TOY Receiver					
Model Name	64BS					
	☐AC mains State					
	⊠DC State	☐Internal Power Supply	/			
Supply Voltage		External Power	Rate Input:	/		
		Supply or AC/DC adapter	Rate Output:	/		
		⊠Battery	6.4V			
		Other	1			

5.2. TEST MODE

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

5.3. EUT ACCESSORY

I/O PORTS AND CABLES

Cable No	Port	Connector Type	Cable Type	Cable Length(m)	Remarks
1	/	/	/	/	/

ACCESSORY

Item	Accessory	Brand Name	Model Name	Description
1	Remote	NEW BRIGHT	33HB	/
2	LITHIUM ION CHARGER	NEW BRIGHT	SGC0640500CU	Input: AC 120V 50/60Hz, 10W Output: DC 6.4V/500mA
3	Battery Pack	NEW BRIGHT	/	6.4V 500mAh



5.4. SETUP DIAGRAM AND 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.
/	/	/	/	/	/

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

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



6. MEASURING EQUIPMENT AND SOFTWARE USED

	Conducted Emissions					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date	
EMI Test Receiver	R&S	ESR3	101961	Dec. 5, 2019	Dec. 5, 2020	
Two-Line V- Network	R&S	ENV216	101983	Dec. 5, 2019	Dec. 5, 2020	
		Softw	/are			
	Description		Manufacturer	Name	Version	
Test Softwa	re for Conducted	Emissions	Farad	EZ-EMC	Ver. UL-3A1	
		Radiated E	missions			
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	
High Pass Filter	WHKX10- 2700-3000- 18000-40SS		23	Dec. 05, 2019	Dec. 05, 2020	
	Softv					
	Description		Manufacturer	Name	Version	
Test Software for Radiated Emissions			Farad	EZ-EMC	Ver. UL-3A1	



7. EMISSION TEST

7.1. CONDUCTED EMISSIONS MEASUREMENT

LIMITS

CFR 47 FCC Part15 Subpart B ICES-003 Issue 6						
FREQUENCY	Class A	Class A (dBµV) Class B (dBµV)				
(MHz)	Quasi-peak Average		Quasi-peak	Average		
0.15 -0.5	79.00 66.00		66 - 56 *	56 - 46*		
0.50 -5.0	73.00 60.00		56.00	46.00		
5.0 -30.0	73.00	60.00	60.00	50.00		

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

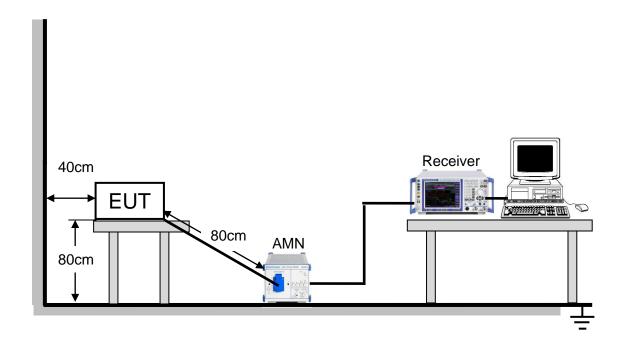
Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

TEST PROCEDURE

- 1. The testing follows the guidelines in ANSI C63.4-2014.
- 2. The EUT was placed on the top of a rotating table 0.8 meters above the horizontal ground plane and being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 ohm/50uH of coupling impedance for the measuring instrument.
- 3. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- 4. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- 5. LISN at least 80 cm from nearest part of EUT chassis.
- 6. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-Peak and average detector mode.



TEST SETUP



TEST ENVIRONMENT

Temperature	21.2°C	Relative Humidity	54%
Atmosphere Pressure	101kPa		

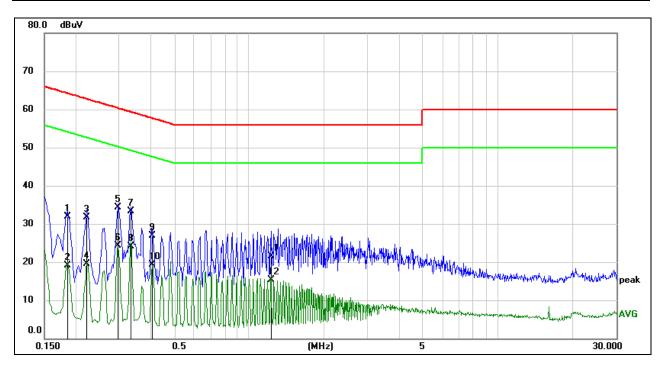
TEST MODE

Pre-test Mode:	Mode 1
Final Test Mode:	Mode 1



TEST RESULTS

Conducted Emissions				
Test Mode:	Mode 1 Phase: Line			
Test Voltage	AC 120V/60Hz			



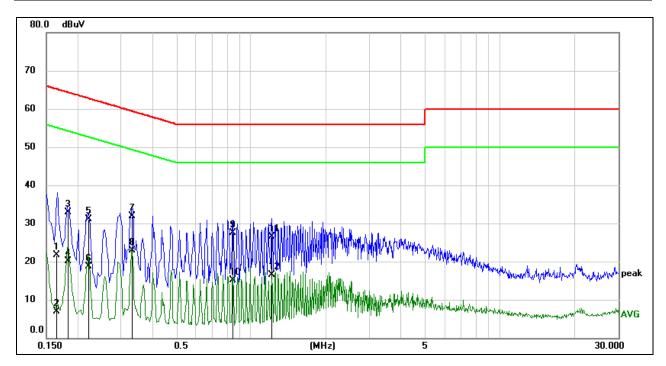
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1867	22.25	9.60	31.85	64.18	-32.33	QP
2	0.1867	9.50	9.60	19.10	54.18	-35.08	AVG
3	0.2230	22.09	9.60	31.69	62.71	-31.02	QP
4	0.2230	9.89	9.60	19.49	52.71	-33.22	AVG
5	0.2979	24.62	9.60	34.22	60.30	-26.08	QP
6	0.2979	14.76	9.60	24.36	50.30	-25.94	AVG
7	0.3348	23.61	9.60	33.21	59.33	-26.12	QP
8	0.3348	14.50	9.60	24.10	49.33	-25.23	AVG
9	0.4094	17.39	9.60	26.99	57.66	-30.67	QP
10	0.4094	9.78	9.60	19.38	47.66	-28.28	AVG
11	1.2283	11.89	9.61	21.50	56.00	-34.50	QP
12	1.2283	5.64	9.61	15.25	46.00	-30.75	AVG

Note: 1. Result = Reading +Correct (Insertion Loss + Cable Loss + Attenuator Factor)

2. Margin = Result - Limit



Conducted Emissions				
Test Mode:	Mode 1	Phase:	Neutral	
Test Voltage	AC 120V/60Hz			



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1648	12.06	9.60	21.66	65.22	-43.56	QP
2	0.1648	-2.74	9.60	6.86	55.22	-48.36	AVG
3	0.1843	23.38	9.60	32.98	64.29	-31.31	QP
4	0.1843	10.56	9.60	20.16	54.29	-34.13	AVG
5	0.2210	21.58	9.60	31.18	62.78	-31.60	QP
6	0.2210	9.20	9.60	18.80	52.78	-33.98	AVG
7	0.3317	22.39	9.60	31.99	59.41	-27.42	QP
8	0.3317	13.29	9.60	22.89	49.41	-26.52	AVG
9	0.8462	17.95	9.60	27.55	56.00	-28.45	QP
10	0.8462	5.42	9.60	15.02	46.00	-30.98	AVG
11	1.2174	16.92	9.61	26.53	56.00	-29.47	QP
12	1.2174	6.99	9.61	16.60	46.00	-29.40	AVG

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



7.2. RADIATED EMISSIONS MEASUREMENT

LIMITS

Below 1 GHz

CFR 47 FCC Part15 Subpart B ICES-003 Issue 6					
Frequency	Cla	iss A	Class B		
(MHz)	Field strength Field strength (uV/m) (at 10m) (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						
					Olara	- D
Frequency		Class A			Class B	
Frequency (MHz)	(dBuV/m) (at 3m)	(dBuV/m)	(at 10m)	(dBuV/m)	(at 3m)
(IVII IZ)	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 th harmonic of the highest frequency or 40 GHz, whichever is lower

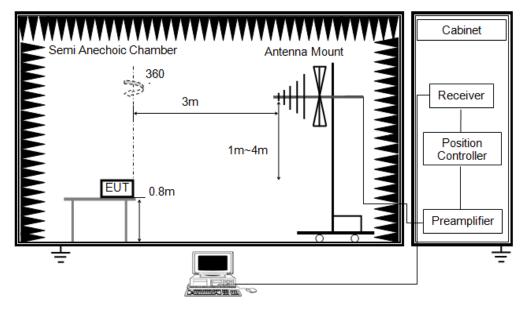
NOTE:

- (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



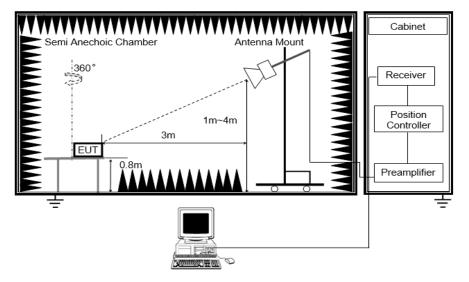
The setting of the spectrum analyser

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. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- 5. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- 6. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
- 7. 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.



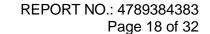
Above 1G



The setting of the spectrum analyser

RBW	1M
VBW	3M
Sweep	Auto
II IOTOCTOR	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. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- 5. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- 6. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
- 7. 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.
- 8. 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 Emissio	ns - Below 1 GHz	Radiated Emissions - Above 1 GHz		
Temperature:	20°C	Temperature:	23.6°C	
Humidity:	51%	Humidity:	55%	
Atmosphere Pressure	101kPa	Atmosphere Pressure	101kPa	

TEST MODE

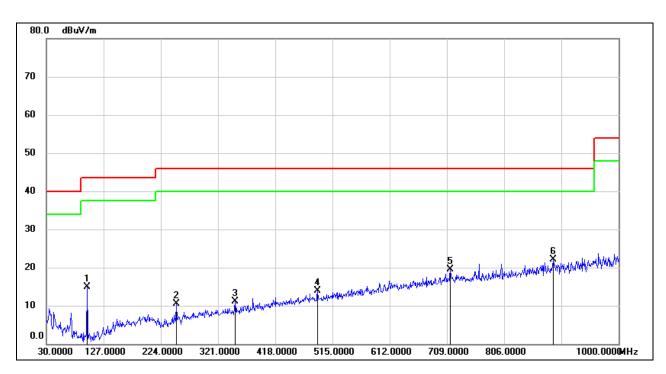
Radiated Em	issions - Below 1 GHz	Radiated Emissions - Above 1 GHz		
Pre-test Mode: Mode 1 ~ Mode 3		Pre-test Mode:	Mode 1 ~ Mode 3	
Final Test Mode:	Final Test Mode: Mode 1 ~ Mode 3		Mode 2 & Mode 3	

Note: All test modes 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:								



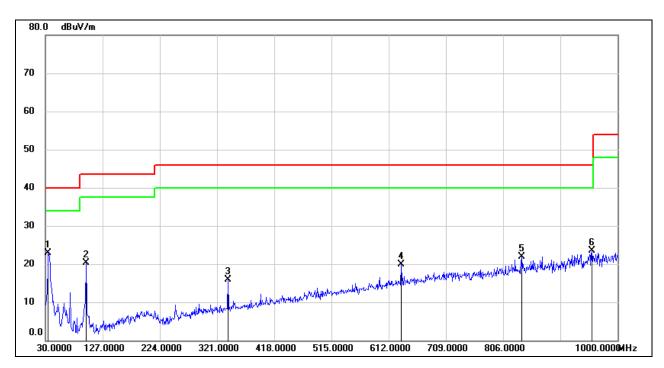
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	98.8700	36.59	-21.65	14.94	43.50	-28.56	QP
2	250.1900	26.76	-16.34	10.42	46.00	-35.58	QP
3	350.1000	24.63	-13.52	11.11	46.00	-34.89	QP
4	489.7800	24.99	-11.06	13.93	46.00	-32.07	QP
5	714.8200	26.20	-6.61	19.59	46.00	-26.41	QP
6	889.4200	26.52	-4.36	22.16	46.00	-23.84	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:	AC 120V/60Hz			

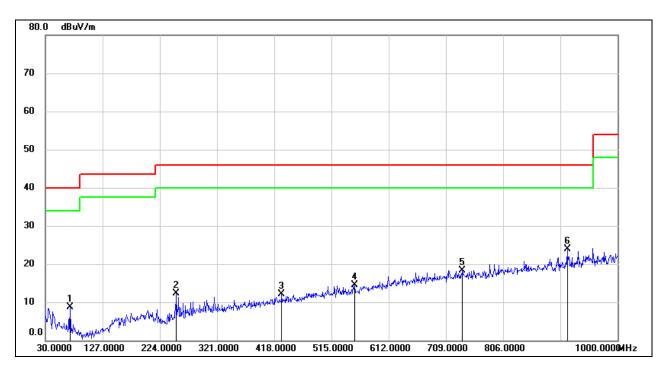


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	34.8500	40.31	-17.50	22.81	40.00	-17.19	QP
2	98.8700	42.03	-21.65	20.38	43.50	-23.12	QP
3	339.4300	29.57	-13.73	15.84	46.00	-30.16	QP
4	633.3400	28.25	-8.33	19.92	46.00	-26.08	QP
5	838.0100	26.87	-4.91	21.96	46.00	-24.04	QP
6	956.3500	26.97	-3.48	23.49	46.00	-22.51	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 6.4V			

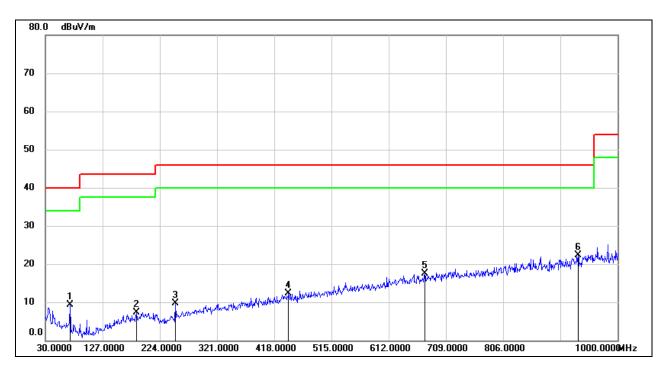


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	71.7100	28.82	-20.20	8.62	40.00	-31.38	QP
2	252.1300	28.62	-16.30	12.32	46.00	-33.68	QP
3	430.6100	24.26	-12.13	12.13	46.00	-33.87	QP
4	554.7700	24.35	-9.83	14.52	46.00	-31.48	QP
5	737.1300	24.84	-6.47	18.37	46.00	-27.63	QP
6	914.6400	27.96	-4.03	23.93	46.00	-22.07	QP

2. Margin = Result - Limit



Radiated Emissions – Below 1GHz						
Measurement Method Radiated Polar: Vertical						
Test Mode:	Mode 2	Test Voltage:	DC 6.4V			

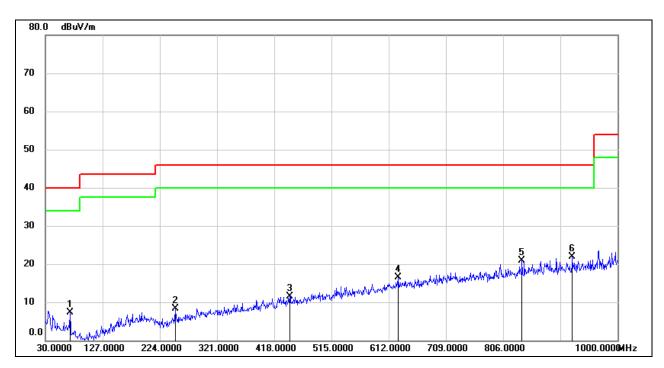


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	71.7100	29.48	-20.20	9.28	40.00	-30.72	QP
2	184.2300	24.16	-16.80	7.36	43.50	-36.14	QP
3	250.1900	25.95	-16.34	9.61	46.00	-36.39	QP
4	442.2500	24.33	-11.96	12.37	46.00	-33.63	QP
5	673.1100	25.03	-7.53	17.50	46.00	-28.50	QP
6	933.0700	26.10	-3.75	22.35	46.00	-23.65	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 6.4V					

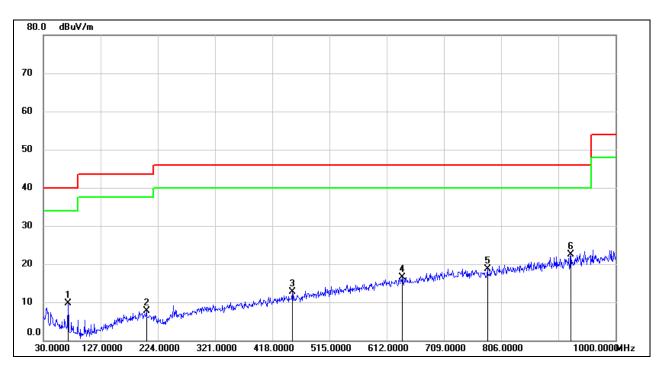


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	71.7100	27.41	-20.20	7.21	40.00	-32.79	QP
2	250.1900	24.71	-16.34	8.37	46.00	-37.63	QP
3	444.1900	23.52	-11.93	11.59	46.00	-34.41	QP
4	628.4900	24.85	-8.43	16.42	46.00	-29.58	QP
5	838.0100	25.78	-4.91	20.87	46.00	-25.13	QP
6	923.3700	25.85	-3.90	21.95	46.00	-24.05	QP

2. Margin = Result - Limit



Radiated Emissions – Below 1GHz								
Measurement Method Radiated Polar: Vertical								
Test Mode:	Mode 3	Test Voltage:	DC 6.4V					

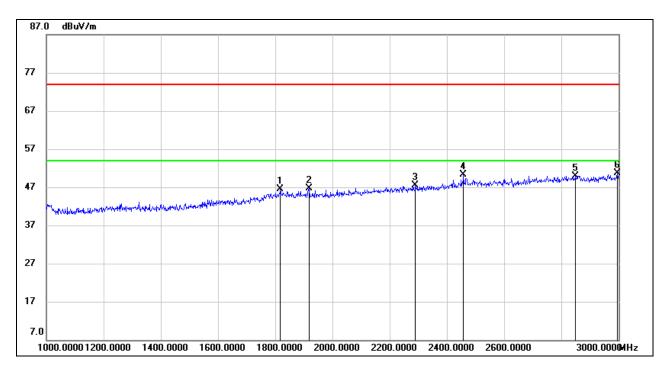


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	71.7100	29.93	-20.20	9.73	40.00	-30.27	QP
2	204.6000	23.78	-16.05	7.73	43.50	-35.77	QP
3	451.9500	24.56	-11.82	12.74	46.00	-33.26	QP
4	638.1900	24.72	-8.17	16.55	46.00	-29.45	QP
5	782.7199	24.56	-5.88	18.68	46.00	-27.32	QP
6	924.3400	26.36	-3.87	22.49	46.00	-23.51	QP

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



Radiated Emissions – Above 1GHz and Below 3GHz									
Measurement Method	Measurement Method Radiated Polar: Horizontal								
Test Mode:	Mode 2	Test Voltage:	DC 6.4V						

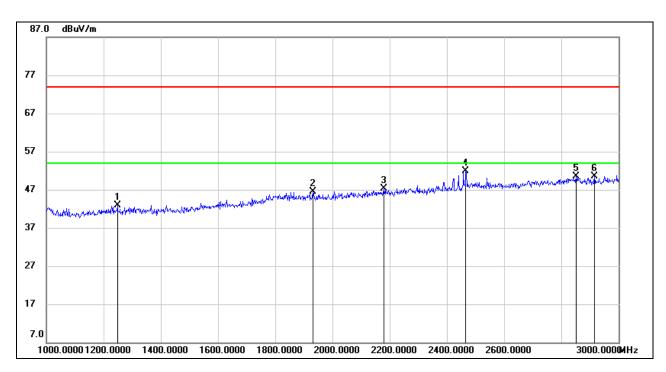


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1818.000	15.13	31.30	46.43	74.00	-27.57	peak
2	1918.000	15.31	31.39	46.70	74.00	-27.30	peak
3	2290.000	14.94	32.61	47.55	74.00	-26.45	peak
4	2458.000	16.87	33.39	50.26	74.00	-23.74	peak
5	2850.000	15.42	34.55	49.97	74.00	-24.03	peak
6	2996.000	15.57	35.08	50.65	74.00	-23.35	peak

- 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.



Radiated Emissions – Above 1GHz and Below 3GHz									
Measurement Method	Measurement Method Radiated Polar: Vertical								
Test Mode:	Mode 2	Test Voltage:	DC 6.4V						

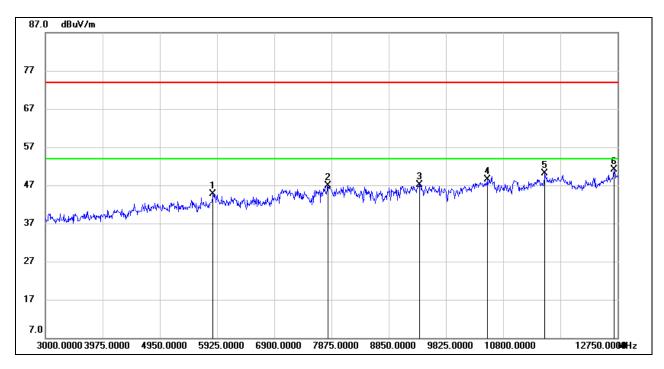


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1248.000	14.04	28.88	42.92	74.00	-31.08	peak
2	1932.000	15.19	31.38	46.57	74.00	-27.43	peak
3	2180.000	15.13	32.25	47.38	74.00	-26.62	peak
4	2466.000	18.35	33.46	51.81	74.00	-22.19	peak
5	2852.000	15.90	34.56	50.46	74.00	-23.54	peak
6	2916.000	15.64	34.83	50.47	74.00	-23.53	peak

- 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.



Radiated Emissions – Above 3GHz								
Measurement Method Radiated Polar: Horizontal								
Test Mode:	Mode 2	Test Voltage:	DC 6.4V					



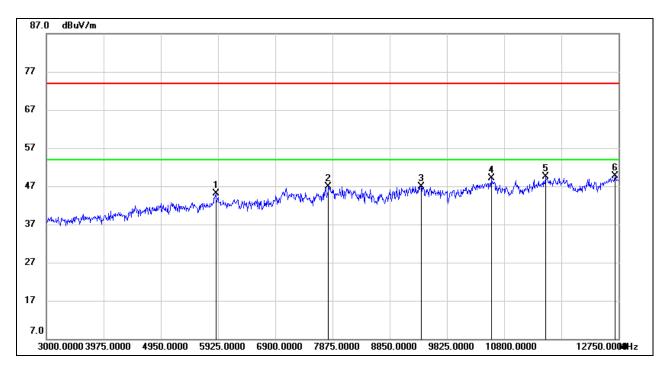
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5856.750	40.48	4.16	44.64	74.00	-29.36	peak
2	7816.500	39.08	7.82	46.90	74.00	-27.10	peak
3	9376.500	37.74	9.45	47.19	74.00	-26.81	peak
4	10527.000	37.03	11.54	48.57	74.00	-25.43	peak
5	11511.750	36.76	13.40	50.16	74.00	-23.84	peak
6	12691.500	36.88	14.26	51.14	74.00	-22.86	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.
- 6. The high pass filter loss factor already add into the correct factor.
- 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.



Radiated Emissions – Above 3GHz								
Measurement Method Radiated Polar: Vertical								
Test Mode:	Mode 2	Test Voltage:	DC 6.4V					



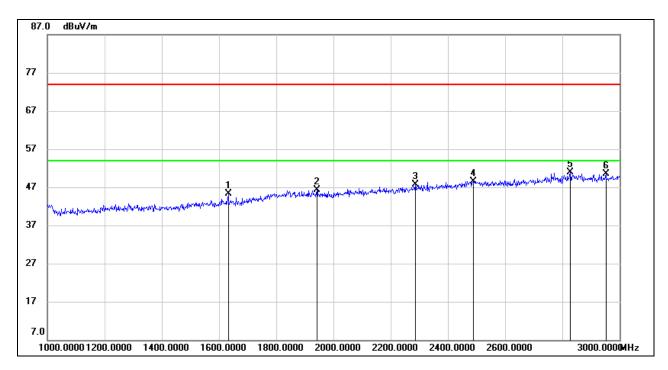
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5886.000	40.39	4.70	45.09	74.00	-28.91	peak
2	7806.750	38.95	7.88	46.83	74.00	-27.17	peak
3	9386.250	37.47	9.52	46.99	74.00	-27.01	peak
4	10585.500	37.25	11.86	49.11	74.00	-24.89	peak
5	11502.000	36.10	13.42	49.52	74.00	-24.48	peak
6	12691.500	35.36	14.26	49.62	74.00	-24.38	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.
- 6. The high pass filter loss factor already add into the correct factor.
- 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.



Radiated Emissions – Above 1GHz and Below 3GHz						
Measurement Method Radiated Polar: Horizontal						
Test Mode:	Mode 3	Test Voltage:	DC 6.4V			

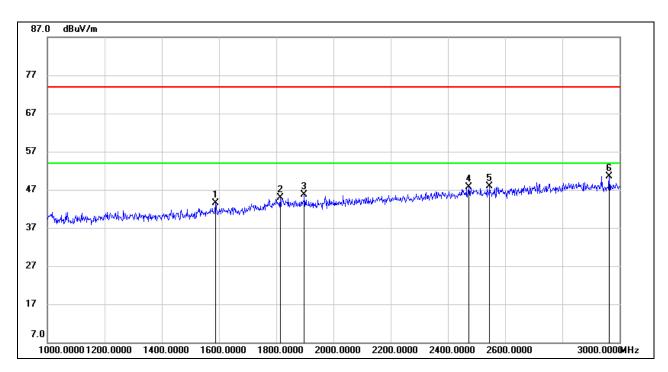


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1632.000	15.20	30.06	45.26	74.00	-28.74	peak
2	1942.000	14.95	31.38	46.33	74.00	-27.67	peak
3	2286.000	15.20	32.59	47.79	74.00	-26.21	peak
4	2488.000	14.98	33.62	48.60	74.00	-25.40	peak
5	2828.000	16.38	34.45	50.83	74.00	-23.17	peak
6	2952.000	15.63	34.94	50.57	74.00	-23.43	peak

- 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.



Radiated Emissions – Above 1GHz and Below 3GHz						
Measurement Method Radiated Polar: Vertical						
Test Mode:	Mode 3	Test Voltage:	DC 6.4V			

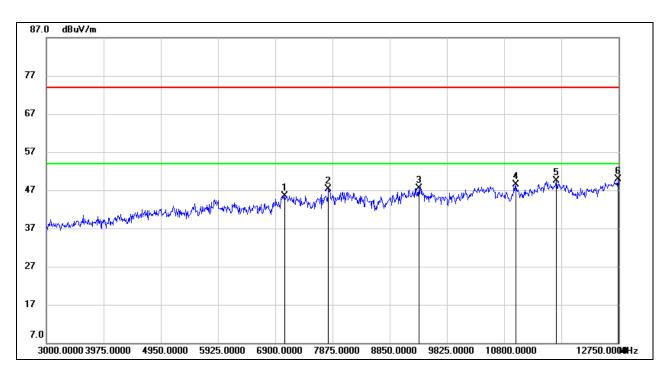


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1588.000	13.52	29.89	43.41	74.00	-30.59	peak
2	1814.000	13.52	31.29	44.81	74.00	-29.19	peak
3	1898.000	14.36	31.39	45.75	74.00	-28.25	peak
4	2474.000	14.27	33.51	47.78	74.00	-26.22	peak
5	2546.000	14.42	33.47	47.89	74.00	-26.11	peak
6	2964.000	15.59	34.98	50.57	74.00	-23.43	peak

- 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.



Radiated Emissions – Above 3GHz						
Measurement Method Radiated Polar: Horizontal						
Test Mode:	Mode 3	Test Voltage:	DC 6.4V			



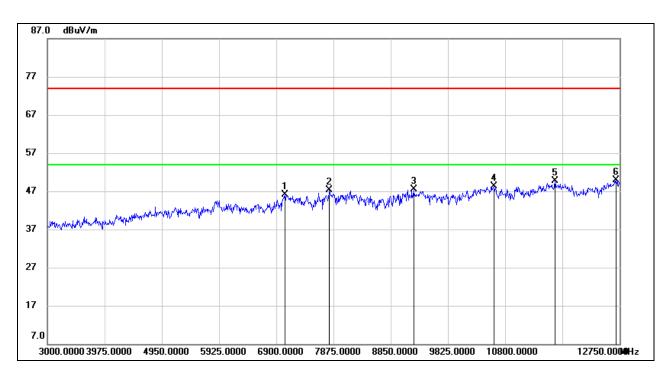
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7056.000	39.75	5.84	45.59	74.00	-28.41	peak
2	7806.750	39.52	7.88	47.40	74.00	-26.60	peak
3	9347.250	38.31	9.27	47.58	74.00	-26.42	peak
4	11004.750	35.88	12.63	48.51	74.00	-25.49	peak
5	11687.250	36.58	12.97	49.55	74.00	-24.45	peak
6	12740.250	35.15	14.84	49.99	74.00	-24.01	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.
- 6. The high pass filter loss factor already add into the correct factor.
- 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.



Radiated Emissions – Above 3GHz						
Measurement Method Radiated Polar: Vertical						
Test Mode:	Mode 3	Test Voltage:	DC 6.4V			



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7046.250	40.37	5.83	46.20	74.00	-27.80	peak
2	7806.750	39.39	7.88	47.27	74.00	-26.73	peak
3	9240.000	38.68	8.79	47.47	74.00	-26.53	peak
4	10614.750	36.39	11.91	48.30	74.00	-25.70	peak
5	11648.250	36.62	13.07	49.69	74.00	-24.31	peak
6	12691.500	35.66	14.26	49.92	74.00	-24.08	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.
- 6. The high pass filter loss factor already add into the correct factor.
- 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.

END OF REPORT

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