



FCC 47 CFR PART 15 SUBPART B

TEST REPORT

FOR

Multifunctional Handheld

Model : CL7202K

Issued to

Shenzhen Hopeland Technologies CO., Ltd.
17/F, Block A, Clou Bldg, Baoshen Road, Hi-tech Industrial Park North,
Nanshan District, 518007, Shenzhen, China

Issued by

WH Technology Corp.

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PHOTOS OF EUT



1. GENERAL INFORMATION

Applicant : Shenzhen Hopeland Technologies CO., Ltd.
Address : 17/F, Block A, Clou Bldg, Baoshen Road, Hi-tech Industrial Park North, Nanshan District, 518007, Shenzhen, China
Manufacturer : Shenzhen Hopeland Technologies CO., Ltd.
Address : 17/F, Block A, Clou Bldg, Baoshen Road, Hi-tech Industrial Park North, Nanshan District, 518007, Shenzhen, China
EUT : Multifunctional Handheld
Trade Mark : N/A
Model Name : CL7202K
Model Differences : N/A
Working Freq. : 1.2GHz

Is herewith confirmed to comply with the requirements set out in the FCC Rules and Regulations Part 15 Subpart B and CISPR PUB. 22 and the measurement procedures were according to ANSI C63.4-2014. The said equipment in the configuration described in this report shows the maximum emission levels emanating from equipment are within the compliance requirements.

FCC part 15 subpart B

Class B

Receipt Date : 8/14/2017

Final Test Date : 8/17/2017

Tested By:

Reviewed by:

Aug. 18, 2017
Date

/ Engineer

Aug. 18, 2017
Date



Mike Lee / Manager
Designation Number: TW1083



1.1 DESCRIPTION OF THE TESTED SAMPLES

EUT

EUT Type : ☒ Engineer Type

Condition when received : ☒ Good ☐ Damage :

EUT Name : Multifunctional Handheld

Trade Mark : N/A

Model Number : CL7202K

Receipt Date : Aug. 14, 2017

EUT Power Rating : ☒ AC Power

Adapter model:BI24-050400-Adc:

AC 110-240V, 50/60Hz, 0.8A

or

Adapter model:BI24-050350-Adc:

AC 110-240V, 50/60Hz, 0.5A

AC Power Cord Type : 0.8 m ☒ Un-Shielded ☐ Shielded

I/O Port :

1.2 TEST RESULT

Emission		
Test Standard	Test Item	Test Result
FCC Part 15B	Conducted Emission	Pass
FCC Part 15B	Radiated Emission	Pass



1.3 TEST METHODOLOGY

EUT SYSTEM OPERATION

1. The EUT was configured according to ANSI C63.4 – 2014 & CISPR 22.
2. Photos of test configuration please refer to appendix 1.
3. Perform the EMC testing procedures, and measure the maximum emission noise.

1.4 DESCRIPTION OF THE SUPPORT EQUIPMENTS

Setup Diagram

See test photographs attached in appendix I for the actual connections between EUT and support equipment.

Support Equipment

Peripherals Devices:

OUTSIDE SUPPORT EQUIPMENT							
No.	Equipment	Model	Serial No.	FCC ID/ BSMI ID	Trade name	Data Cable	Power Cord
1.	Sliding rheostat	100ohm/3.0 A	NTEK-LO AD004	N/A	WEN SHUN	N/A	N/A
2.	DELL PC	D06S	34531671 097	N/A	DELL	N/A	FT4Y23X
3.	Printer	L11121E	LBP2900	N/A	Canon	Shielded 1.8m	Un-Shielded 1.5m
4.	Mouse	MS111-P	cn-011d3v -71581-11 e-1th7	N/A	DELL	N/A	N/A
5.	Keyboard	SK-8185	OY526KUS	N/A	DELL	N/A	N/A
6.	Remot	N/A	N/A	N/A	N/A	N/A	N/A
7.	Pen	N/A	N/A	N/A	N/A	N/A	N/A
EUT							
No.	Equipment	Model	Serial No.	FCC ID/ BSMI ID	Trade name	Data Cable	Power Cord
1.	MB	7202K3AMV 30.PCB	N/A	N/A	N/A	N/A	N/A



2.	LCD Panel	ZZW397WBI -119B	N/A	N/A	N/A	N/A	N/A
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Note: All the above equipment /cable were placed in worse case position to maximize emission signals during emission test.

Grounding: Grounding was in accordance with the manufacturer's requirement and conditions for the intended use.

1.5 FEATURES OF EUT: PLEASE REFER TO USER MANUAL OR PRODUCT SPECIFICATION.



2. INSTRUMENT AND CALIBRATION

2.1 MEASURING INSTRUMENT CALIBRATION

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

2.2 TEST AND MEASUREMENT EQUIPMENT

The following list contains measurement equipment used for testing. The equipment conforms to the requirement of CISPR 16-1, ANSI C63.2 and. Other required standards.

Calibration of all test and measurement, including any accessories that may effect such calibration, is checked frequently to ensure the accuracy. Adjustments are made and correction factors are applied in accordance with the instructions contained in the respective.

TABLELIST OF TEST AND MEASUREMENT EQUIPMENT

Test Site	Instrument	Manufacturer	Model No.	S/N	Next Cal. Date	Cal. Interval
Conduction	Receiver	R&S	ESHS10	830223/008	Nov. 21, 2017	1 Year
	Spectrum Analyzer	ADVANTEST	R3261C	87120343	Mar. 17, 2018	1 Year
	RF Cable	MIYAZAKI & Anritsu	RG58A0 & MP59B	M79094	Apr. 07, 2018	1 Year
	L.I.S.N	Rolf Heine Hochfrequenztech nik	NNB-2/16z	98062	Jan. 15, 2018	1 Year
	EMI Test Receiver	R&S	EAHS-10	1093.4495.03	Mar. 20, 2018	1Year
	Click Analyzer	Schaffner	DIA1512C	5218	Jun. 14, 2018	1 Year
Radiation	Spectrum Analyzer	Nex1	NS-265	NO5044006	Aug. 03, 2018	1 Year
	Antenna	Schwarzbeck	VULB 9161	4077	Feb. 01, 2018	1 Year
	RF Cable	N/A	N/A	N/A	Jan. 17, 2018	1 Year
	Pre-Amp	Schaffner	CPA-9232	1012	Jan. 19, 2018	1 Year

● CALIBRATION INTERVAL OF INSTRUMENTS LISTED ABOVE IS ONE YEAR.



2.3 TEST PERFORMED

Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver which bandwidth is set at 9KHz.

Radiated emissions were investigated over the frequency range from 30MHz to 1000MHz using a receiver which bandwidth is set at 120KHz. Radiated measurement was performed at distance that from an antenna to EUT is 3 meters.

2.4 APPENDIX

Appendix A: Measurement Procedure for Main Power Port Conducted Emissions

The measurements are performed in a WH lab's room; The EUT was placed on non-conductive 1.0m x 1.5m table, which is 0.8 meters above an earth-grounded.

Power to the EUT was provided through the LISN which has the Impedance (50ohm/50uH) vs. Frequency Characteristic in accordance with the standard. Powers to the LISNs were filtered to eliminate ambient signal interference and these filters were bonded to the ground plane. Peripheral equipment required to provide a functional system (support equipment) for EUT testing was powered from the second LISN through a ganged, metal power outlet box which is bonded to the ground plane at the LISN.

If the EUT is supplied with a flexible power cord, the power cord length in excess of the distance separating the EUT from the LISN shall be folded back and forth at the center of the lead so as to form a bundle not exceeding 40cm in length. If the EUT is provided with a permanently coiled power cord, bundling of the cord is not required. If the EUT is supplied without a power cord, the EUT shall be connected to the LISN by a power cord of the type specified by the manufacturer which shall not be longer than 1 meter. The excess power cord shall be bundled as described above. If a non-flexible power cord is provided with the EUT, it shall be cut to the length necessary to attach the EUT to the LISN and shall not be bundled.

The interconnecting cables were arranged and moved to get the maximum measurement. Both the line of power cord, hot and neutral, were measured.

The highest emissions were analyzed in details by operating the spectrum analyzer in fixed tuned mode to determine the nature of the emissions and to provide information which could be useful in reducing their amplitude.

Appendix B: Test Procedure for Radiated Emissions

Preliminary Measurements in the Anechoic Chamber

The radiated emissions are initially measured in the anechoic chamber at a measurement distance of 3 meters. Desktop EUT are placed on a wooden stand 0.8



meter in height. The measurement antenna is 3 meters from the EUT. The test setup in anechoic chamber is the same as open site. The turntable rotated 360°. The antenna height is 1m. The primary objective of the radiated measurements in the anechoic chamber is to identify the frequency spectrum in the absence of the electromagnetic environment existing on the open test site. The frequencies can then be pre-selected on the open test site to obtain the corresponding amplitude. The initial scan is made with the spectrum analyzer in automatic sweep mode. The spectrum peaks are then measured manually to determine the exact frequencies.

Measurements on the Open Site or Chamber

The radiated emissions test will then be repeated on the open site or chamber to measure the amplitudes accurately and without the multiple reflections existing in the shielded room. The EUT and support equipments are set up on the turntable. Desktop EUT are set up on a wooden stand 0.8 meter above the ground.

For the initial measurements, the receiving antenna is varied from 1-4 meter height and is changed in the vertical plane from vertical to horizontal polarization at each frequency. Both reading are recorded with the quasi-peak detector with 120KHz bandwidth. For frequency between 30 MHz and 1000MHz, the reading is recorded with peak detector or quasi-peak detector.

At the highest amplitudes observed, the EUT is rotated in the horizontal plane while changing the antenna polarization in the vertical plane to maximize the reading. The interconnecting cables were arranged and moved to get the maximum measurement. Once the maximum reading is obtained, the antenna elevation and polarization will be varied between specified limits to maximize the readings.



Appendix C: Warning Labels

Label Requirements

A Class B digital device subject to certification by the FCC shall carry a warning label which includes the following statement:

*****WARNING*****

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Appendix D: Warning Statement

Statement Requirements

The operator's manual for a Class A digital device shall contain the following statements or their equivalent:

*****WARNING*****

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Notice: The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equivalent.

* * * * *

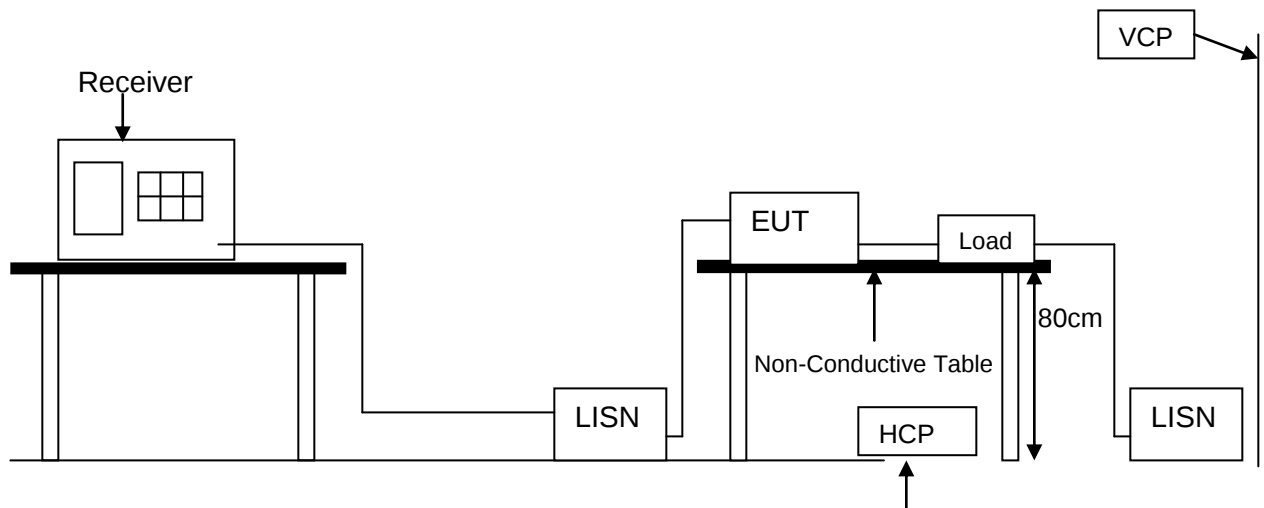
If the EUT was tested with special shielded cables the operator's manual for such product shall also contain the following statements or their equivalent:

Shielded interface cables and/or AC power cord, if any, must be used in order to comply with the emission limits.



3. CONDUCTED EMISSION MEASUREMENT

3.1 TEST SET-UP (PLEASE REFER TO APPENDIX 1)



3.2 LIMIT

Frequency range (MHz)	CLASS A		CLASS B	
	QP dB(uV)	Average dB(uV)	QP dB(uV)	Average dB(uV)
0.15-0.5	79 dBuV	66 dBuV	66 - 56 dBuV	56 - 46 dBuV
0.5-5.0	73 dBuV	60 dBuV	56 dBuV	46 dBuV
5.0-30.0	73 dBuV	60 dBuV	60 dBuV	50 dBuV

Remark: In the above table, the tighter limit applies at the band edges.

3.3 TEST PROCEDURE

The EUT and simulators are connected to the main power through a line impedance stabilization network (LISN). It provides a 50 ohm / 50 μ H coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50 ohm / 50 μ H coupling impedance with 50 ohm termination. (Please refer to the block diagram of the test setup and photograph.)

Both sides of AC line are checked for the maximum conducted emission interference. In order to find the maximum emissions, the relating positions of equipment and all of the interference cables must be changed according to CISPR22 regulation: The measurement procedure on conducted emission interference.



The resolution bandwidth of the field strength meter is set at 9KHz.

3.4 TEST SPECIFICATION

ANSI C63.4 – 2014 Section 5.2, 7.2, 7.3

3.5 RESULT: PASSED

EMI Receiver/Spectrum Analyzer Configuration (for the frequencies tested)

Frequency Range:	150KHz--30MHz
Detector Function:	Quasi-Peak / Average Mode
Resolution Bandwidth:	9KHz

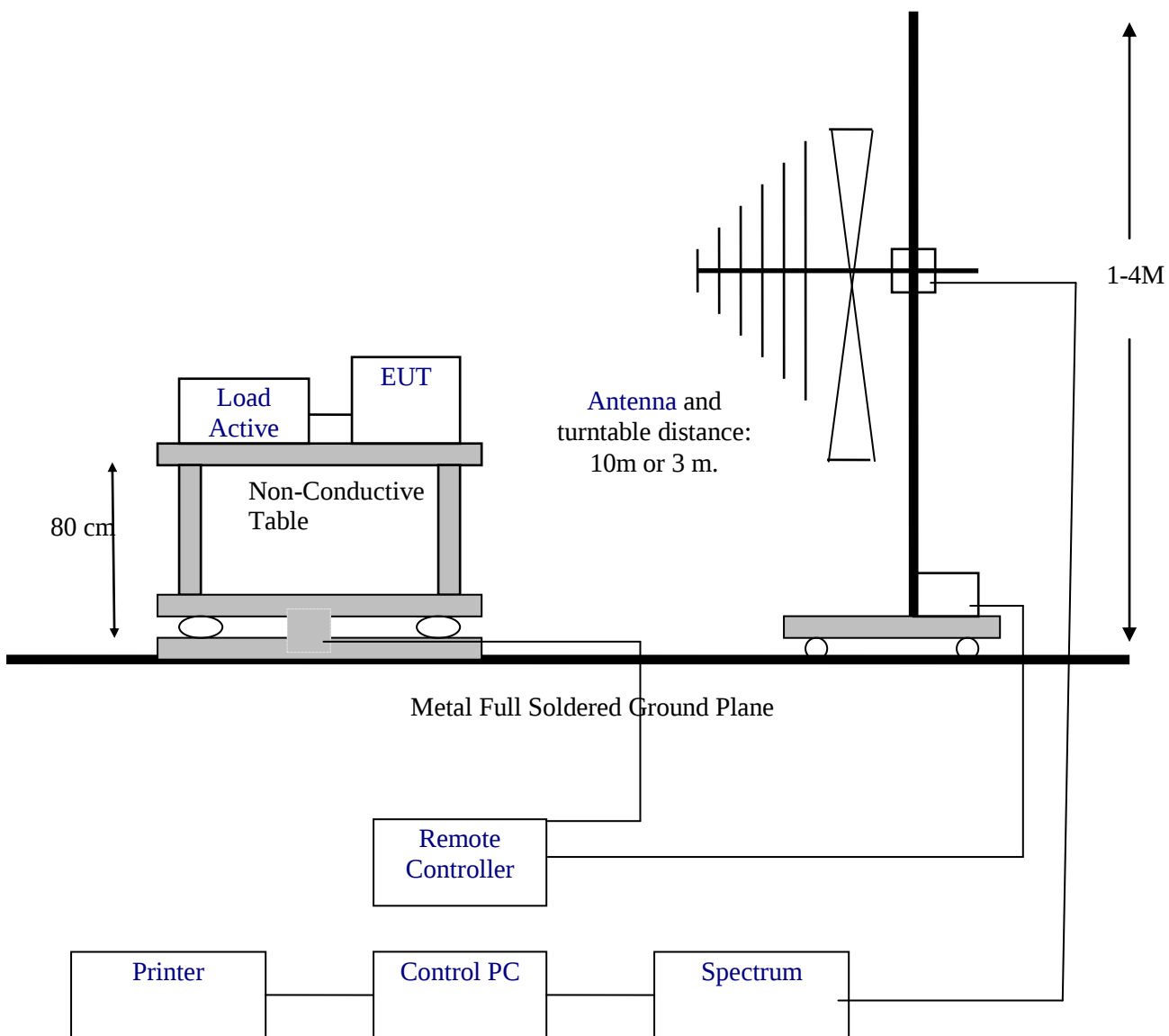
3.6 TEST DATA:

Please refer to appendix 2.



4. RADIATED EMISSION MEASUREMENT

4.1 TEST SETUP (PLEASE REFER TO APPENDIX 1)





4.2 LIMIT

- (a) Except for Class A digital devices, the field strength of radiated emissions from unintentional radiators at a distance of 3 meters shall not exceed the following values:

Frequency of emission (MHz)	Quasi-peak limits dB(μ V/m)
30–88	40
88–216	43.5
216–960	46.0
Above 960	54

- (b) The field strength of radiated emissions from a Class A digital device, as determined at a distance of 10 meters, shall not exceed the following:

Frequency of emission (MHz)	Quasi-peak limits dB(μ V/m)
30–88	39
88–216	43.5
216–960	46.4
Above 960	49.5

Frequency of emission (GHz)	Average limit dB(μ V/m)	Peak limit dB(μ V/m)
Above 1000	54	74

Remark: In the above table, the tighter limit applies at the band edges

4.3 TEST PROCEDURE

The EUT and its simulators are placed on turn table, non-conductive and wooden table, which is 0.8 meter above ground. The turn table rotates 360 degree to determine the position of the maximum emission level. The EUT was positioned such that distance from antenna to the EUT is 3 meters.

The antenna is moved up and down between 1 meter to 4 meter to receive the maximum emission level.

Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission, all of the interference cables must be manipulated according to CISPR22 regulation: the test procedure of the radiated emission measurement.



The bandwidth set on the field strength is 120 KHz when the frequency range is below 1GHz

4.4 TEST SPECIFICATION

ANSI C63.4 – 2014 Section 5.4, 5.5, 8.1, 8.3

4.5 RESULT: PASSED

4.6 TEST DATA:

Please refer to appendix 2.



5. MEASUREMENT UNCERTAINTY

Measurement Item	Measurement Frequency	Polarization	Uncertainty
Conducted Emission	9 kHz ~ 30. MHz	LINE/NEUTRAL	1.78 dB
Radiated Emission	30 MHz ~ 1,000 MHz	Vertical / Horizontal	1.96 dB
	1,000 MHz ~ 6,000 MHz	Vertical / Horizontal	3.00 dB



SAMPLE OF FCC VERIFICATION LABEL 1

This device complies with part 15 of the FCC Rules.
Operation is subject to the following two conditions: (1)
This device may not cause harmful interference. And
(2) this device must accept any interference received,
including interference that may cause undesired
operation.

SAMPLE OF FCC DOC LABEL 2



Trade Name
Model Number



Appendix 1



PHOTOS OF CONDUCTED EMISSION CONFIGURATION

前方照片



PHOTOS OF RADIATED EMISSION CONFIGURATION

前方照片



PHOTOS OF RADIATED EMISSION CONFIGURATION(Above 1G)

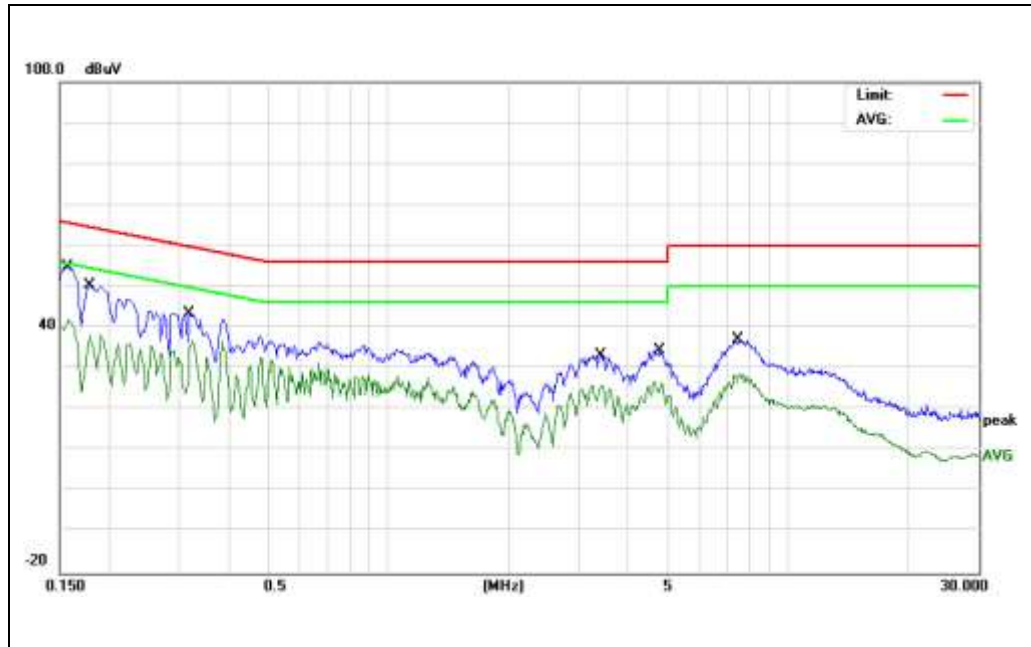




Appendix 2



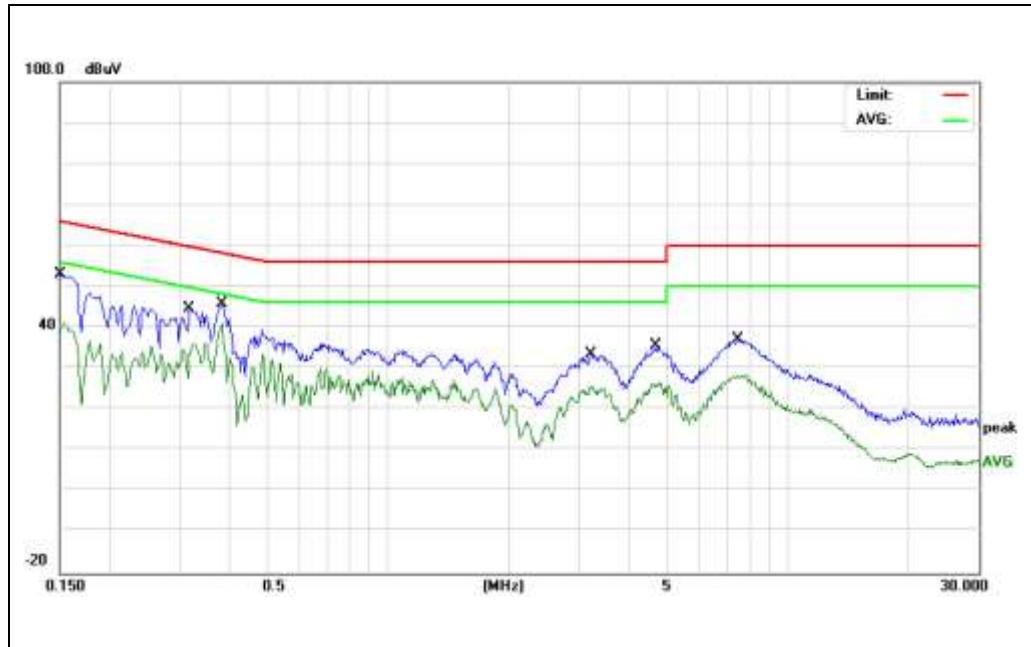
TEST DATA OF CONDUCTED EMISSION (EUT)
ON mode: (L)



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV	dBuV	dB		
1	*	0.1580	44.69	10.14	54.83	65.56	-10.73	QP	
2		0.1580	31.62	10.14	41.76	55.56	-13.80	AVG	
3		0.1785	40.14	10.15	50.29	64.55	-14.26	QP	
4		0.1785	27.80	10.15	37.95	54.55	-16.60	AVG	
5		0.3180	33.22	10.09	43.31	59.76	-16.45	QP	
6		0.3180	26.74	10.09	36.83	49.76	-12.93	AVG	
7		3.4140	23.38	9.77	33.15	56.00	-22.85	QP	
8		3.4140	16.12	9.77	25.89	46.00	-20.11	AVG	
9		4.7899	24.55	9.80	34.35	56.00	-21.65	QP	
10		4.7899	17.07	9.80	26.87	46.00	-19.13	AVG	
11		7.5218	27.36	9.83	37.19	60.00	-22.81	QP	
12		7.5218	19.06	9.83	28.89	50.00	-21.11	AVG	



TEST DATA OF CONDUCTED EMISSION (EUT)
ON mode: (N)

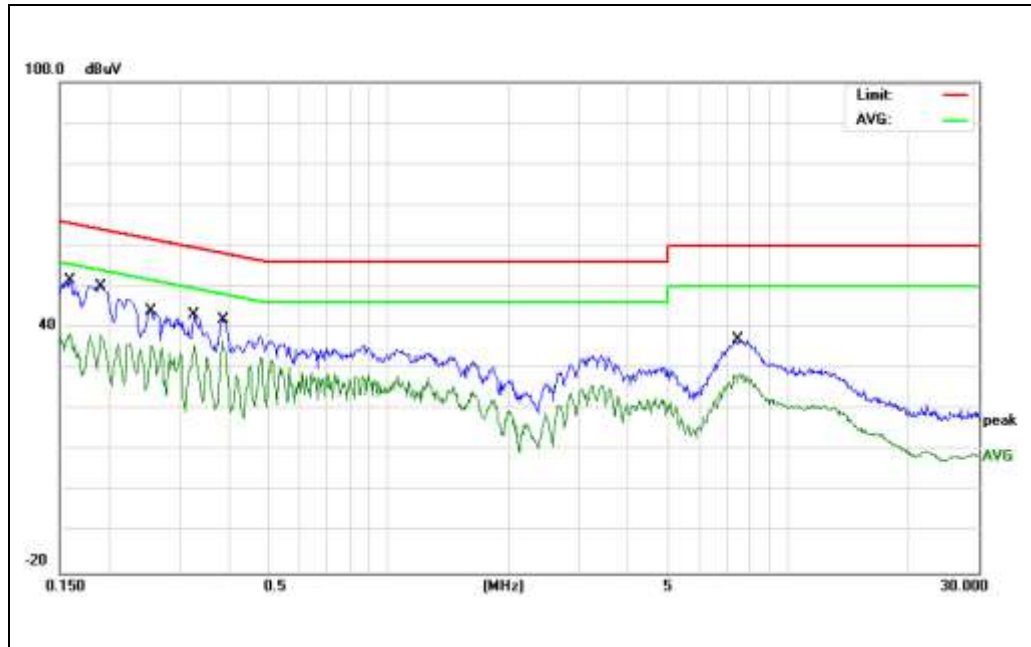


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	0.1500	42.85	10.06	52.91	65.99	-13.08	QP	
2	0.1500	31.26	10.06	41.32	55.99	-14.67	AVG	
3	0.3180	34.61	10.09	44.70	59.76	-15.06	QP	
4	0.3180	25.91	10.09	36.00	49.76	-13.76	AVG	
5	0.3820	36.01	9.96	45.97	58.23	-12.26	QP	
6 *	0.3820	31.19	9.96	41.15	48.23	-7.08	AVG	
7	3.2220	23.72	9.78	33.50	56.00	-22.50	QP	
8	3.2220	15.91	9.78	25.69	46.00	-20.31	AVG	
9	4.6779	25.70	9.81	35.51	56.00	-20.49	QP	
10	4.6779	16.76	9.81	26.57	46.00	-19.43	AVG	
11	7.5100	27.17	9.84	37.01	60.00	-22.99	QP	
12	7.5100	18.62	9.84	28.46	50.00	-21.54	AVG	



TEST DATA OF CONDUCTED EMISSION (EUT)

Data transmission mode: (L)

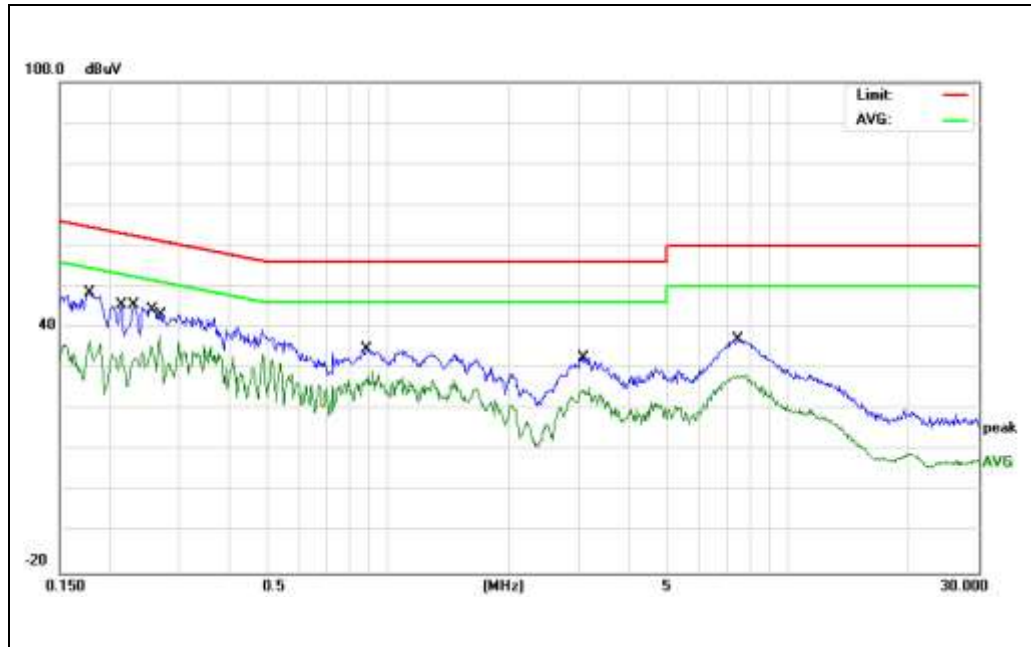


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	0.1590	41.56	10.14	51.70	65.51	-13.81	QP	
2	0.1590	28.49	10.14	38.63	55.51	-16.88	AVG	
3	0.1900	39.98	10.16	50.14	64.03	-13.89	QP	
4	0.1900	28.06	10.16	38.22	54.03	-15.81	AVG	
5	0.2540	33.99	10.14	44.13	61.62	-17.49	QP	
6	0.2540	25.52	10.14	35.66	51.62	-15.96	AVG	
7	0.3260	33.13	10.07	43.20	59.55	-16.35	QP	
8	0.3260	26.70	10.07	36.77	49.55	-12.78	AVG	
9	0.3860	32.05	9.96	42.01	58.15	-16.14	QP	
10 *	0.3860	26.81	9.96	36.77	48.15	-11.38	AVG	
11	7.5218	27.36	9.83	37.19	60.00	-22.81	QP	
12	7.5579	19.06	9.83	28.89	50.00	-21.11	AVG	



TEST DATA OF CONDUCTED EMISSION (EUT)

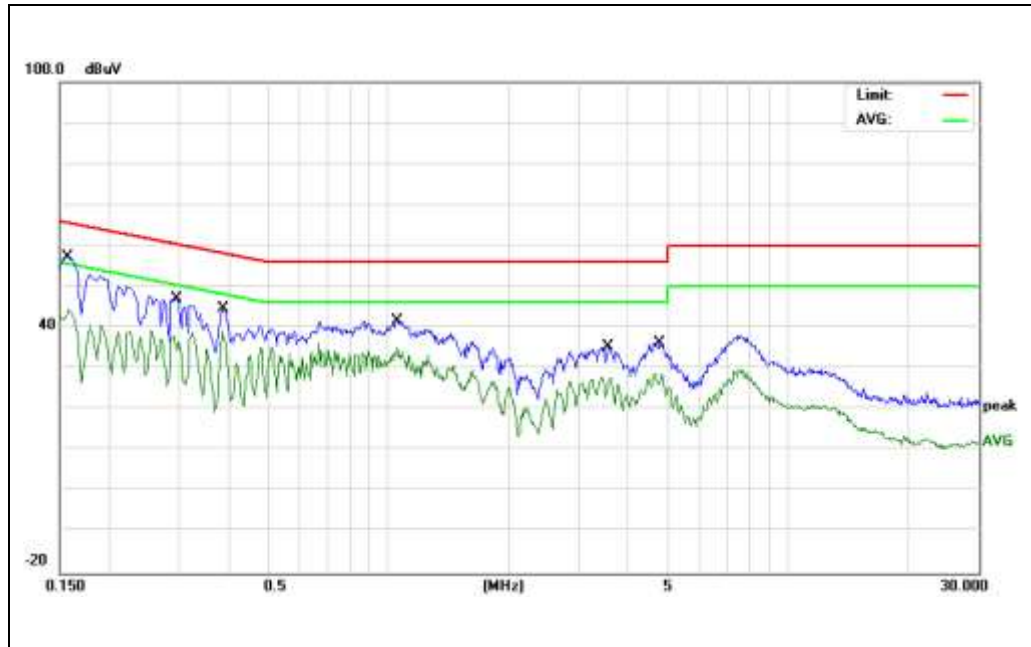
Data transmission mode: (N)



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	0.1780	38.34	10.10	48.44	64.57	-16.13	QP	
2	0.1780	28.04	10.10	38.14	54.57	-16.43	AVG	
3	0.2139	23.95	10.13	34.08	53.05	-18.97	AVG	
4	0.2300	35.36	10.13	45.49	62.45	-16.96	QP	
5	0.2584	33.66	10.12	43.78	61.48	-17.70	QP	
6 *	0.2660	28.02	10.12	38.14	51.24	-13.10	AVG	
7	0.8820	25.10	9.77	34.87	56.00	-21.13	QP	
8	0.8820	19.69	9.77	29.46	46.00	-16.54	AVG	
9	3.0740	22.95	9.78	32.73	56.00	-23.27	QP	
10	3.0740	15.52	9.78	25.30	46.00	-20.70	AVG	
11	7.5099	27.17	9.84	37.01	60.00	-22.99	QP	
12	7.5099	18.62	9.84	28.46	50.00	-21.54	AVG	



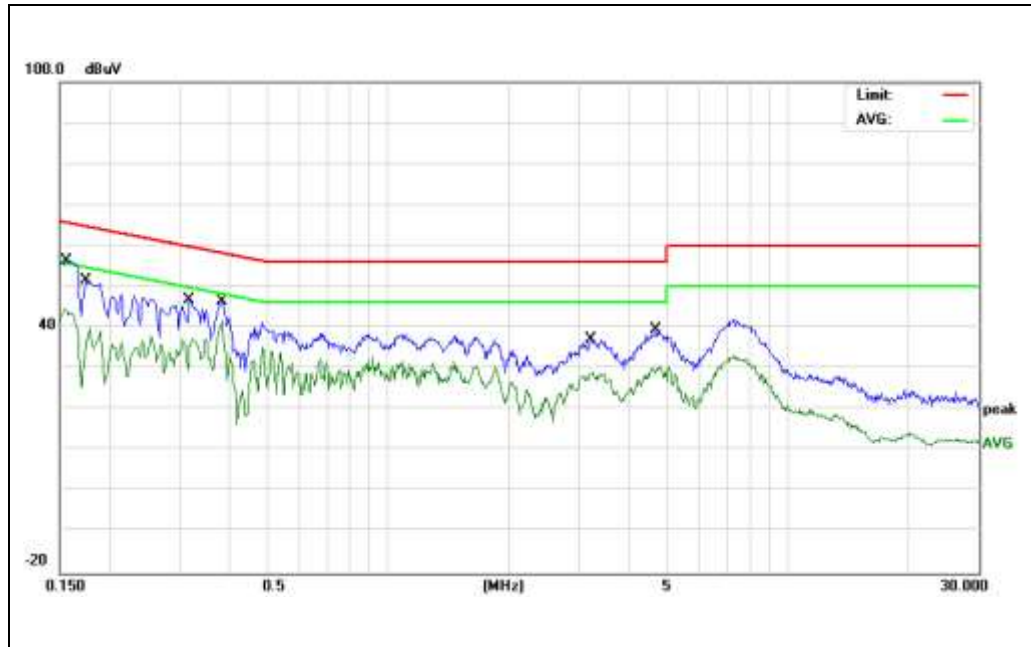
TEST DATA OF CONDUCTED EMISSION (Cradle)
ON mode: (L)



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1 *	0.1580	47.19	10.14	57.33	65.56	-8.23	QP	
2	0.1580	34.16	10.14	44.30	55.56	-11.26	AVG	
3	0.2938	37.01	10.12	47.13	60.41	-13.28	QP	
4	0.2938	27.91	10.12	38.03	50.41	-12.38	AVG	
5	0.3860	34.55	9.96	44.51	58.15	-13.64	QP	
6	0.3860	29.31	9.96	39.27	48.15	-8.88	AVG	
7	1.0540	31.94	9.76	41.70	56.00	-14.30	QP	
8	1.0540	25.32	9.76	35.08	46.00	-10.92	AVG	
9	3.5579	25.70	9.78	35.48	56.00	-20.52	QP	
10	3.5579	18.04	9.78	27.82	46.00	-18.18	AVG	
11	4.7899	26.55	9.80	36.35	56.00	-19.65	QP	
12	4.7899	19.07	9.80	28.87	46.00	-17.13	AVG	



TEST DATA OF CONDUCTED EMISSION (Cradle)
ON mode: (N)

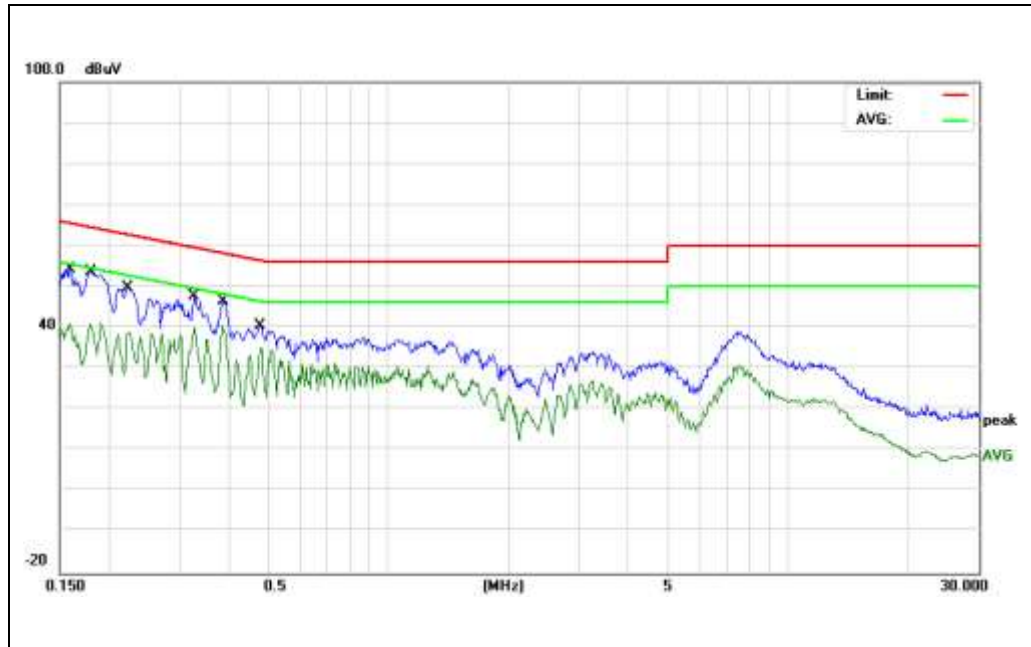


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	0.1554	46.39	10.07	56.46	65.70	-9.24	QP	
2	0.1554	34.40	10.07	44.47	55.70	-11.23	AVG	
3	0.1748	41.57	10.09	51.66	64.72	-13.06	QP	
4	0.1748	29.72	10.09	39.81	54.72	-14.91	AVG	
5	0.3180	36.61	10.09	46.70	59.76	-13.06	QP	
6	0.3180	27.33	10.09	37.42	49.76	-12.34	AVG	
7	0.3820	36.51	9.96	46.47	58.23	-11.76	QP	
8 *	0.3820	31.69	9.96	41.65	48.23	-6.58	AVG	
9	3.2219	27.22	9.78	37.00	56.00	-19.00	QP	
10	3.2219	19.41	9.78	29.19	46.00	-16.81	AVG	
11	4.6779	29.70	9.81	39.51	56.00	-16.49	QP	
12	4.6779	20.76	9.81	30.57	46.00	-15.43	AVG	



TEST DATA OF CONDUCTED EMISSION (Cradle)

Data transmission mode: (L)

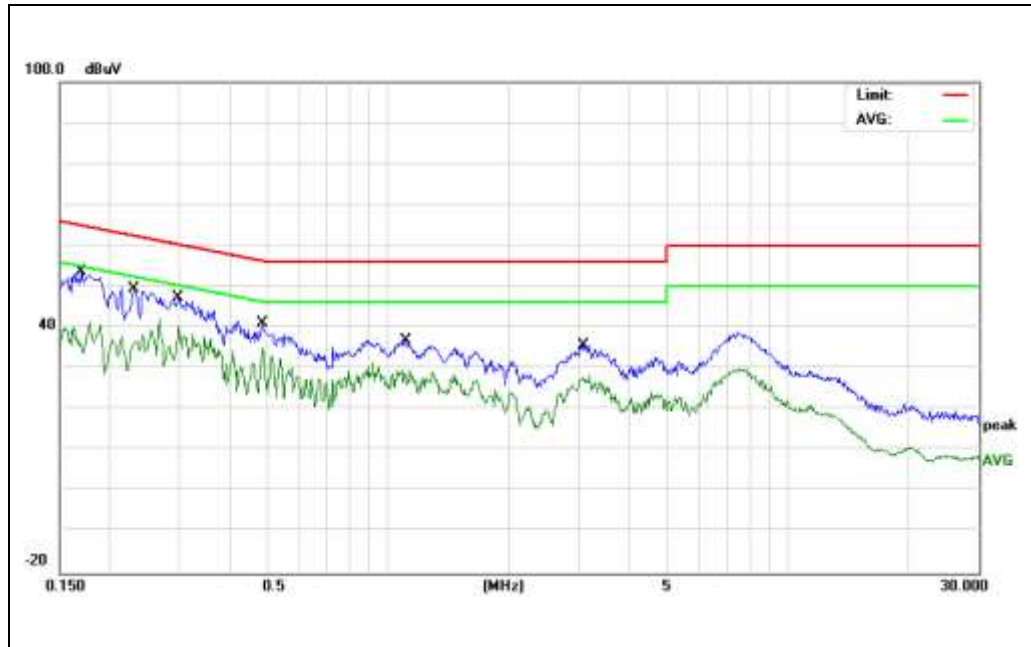


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	0.1590	44.06	10.14	54.20	65.51	-11.31	QP	
2	0.1590	30.99	10.14	41.13	55.51	-14.38	AVG	
3	0.1796	43.44	10.15	53.59	64.50	-10.91	QP	
4	0.1796	30.80	10.15	40.95	54.50	-13.55	AVG	
5	0.2220	39.73	10.16	49.89	62.74	-12.85	QP	
6	0.2220	28.71	10.16	38.87	52.74	-13.87	AVG	
7	0.3260	37.63	10.07	47.70	59.55	-11.85	QP	
8	0.3260	30.14	10.07	40.21	49.55	-9.34	AVG	
9	0.3860	36.55	9.96	46.51	58.15	-11.64	QP	
10 *	0.3860	30.83	9.96	40.79	48.15	-7.36	AVG	
11	0.4778	30.66	9.86	40.52	56.38	-15.86	QP	
12	0.4778	25.19	9.86	35.05	46.38	-11.33	AVG	



TEST DATA OF CONDUCTED EMISSION (Cradle)

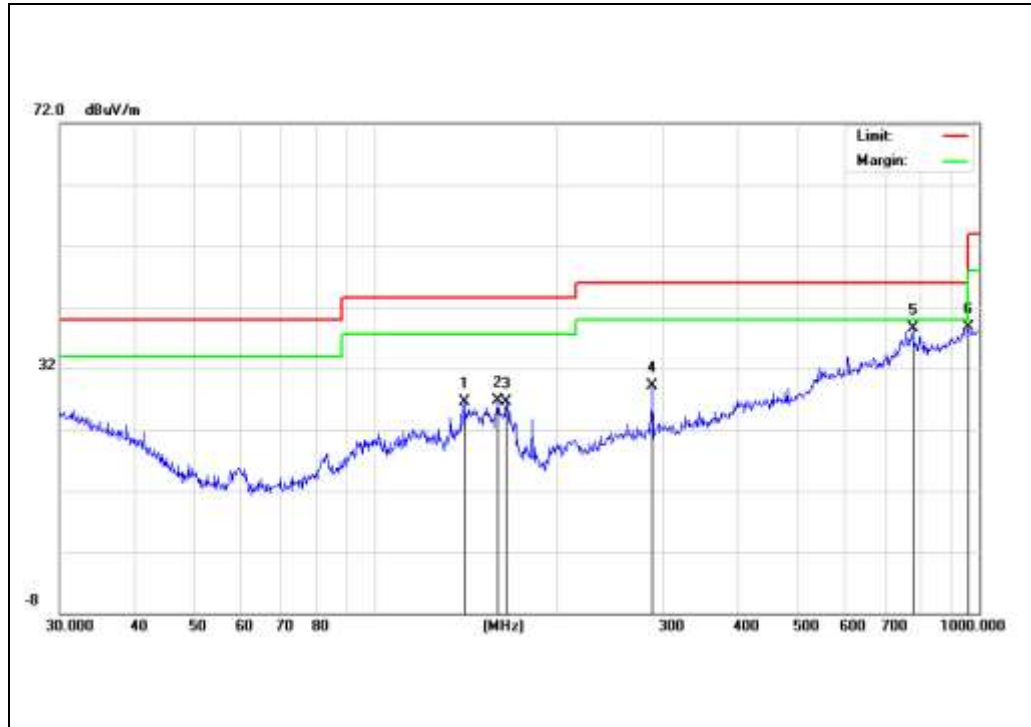
Data transmission mode: (N)



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	0.1700	43.51	10.09	53.60	64.96	-11.36	QP	
2	0.1700	31.22	10.09	41.31	54.96	-13.65	AVG	
3	0.2300	39.36	10.13	49.49	62.45	-12.96	QP	
4	0.2300	28.15	10.13	38.28	52.45	-14.17	AVG	
5	0.2983	36.98	10.12	47.10	60.29	-13.19	QP	
6 *	0.2983	30.37	10.12	40.49	50.29	-9.80	AVG	
7	0.4818	31.05	9.87	40.92	56.31	-15.39	QP	
8	0.4818	25.03	9.87	34.90	46.31	-11.41	AVG	
9	1.1019	26.95	9.76	36.71	56.00	-19.29	QP	
10	1.1019	19.98	9.76	29.74	46.00	-16.26	AVG	
11	3.0739	25.95	9.78	35.73	56.00	-20.27	QP	
12	3.0739	18.52	9.78	28.30	46.00	-17.70	AVG	



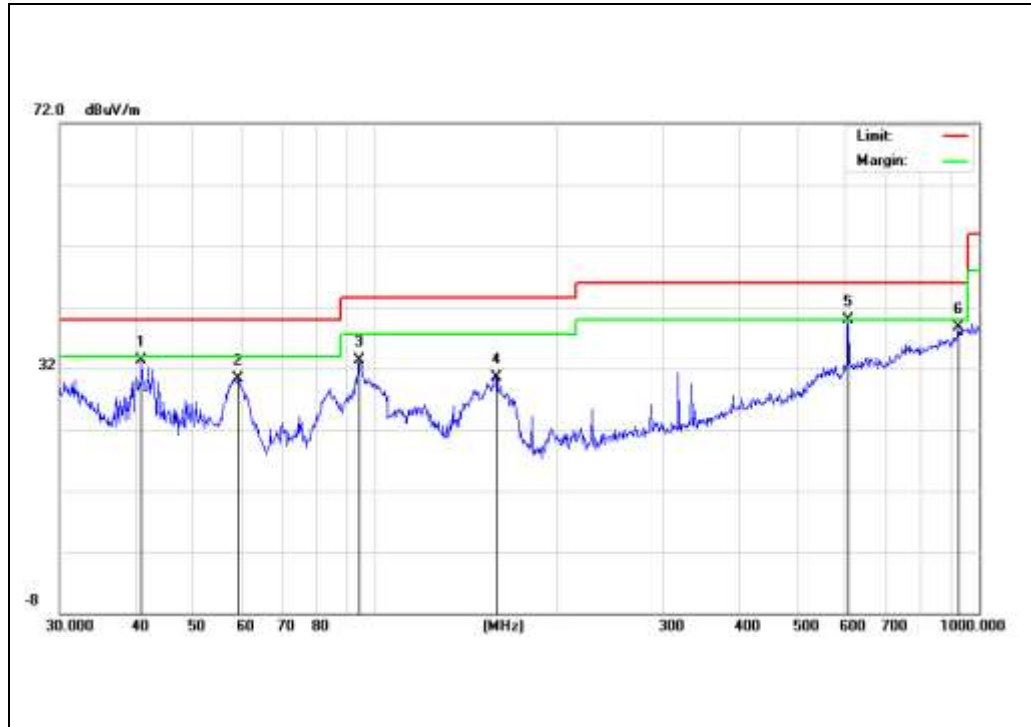
TEST DATA OF RADIATED EMISSION (Adapter model:BI24-050400-Adc+
Adapter model:BI24-050350-Adc)
Data transmission mode: (Horizontal)



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		140.8351	13.53	12.92	26.45	43.50	-17.05	QP		
2		159.7844	14.57	12.19	26.76	43.50	-16.74	QP		
3		164.9075	14.69	11.87	26.56	43.50	-16.94	QP		
4		287.9904	13.14	15.94	29.08	46.00	-16.92	QP		
5		776.8778	10.72	27.87	38.59	46.00	-7.41	QP		
6	*	958.7943	7.31	31.35	38.66	46.00	-7.34	QP		



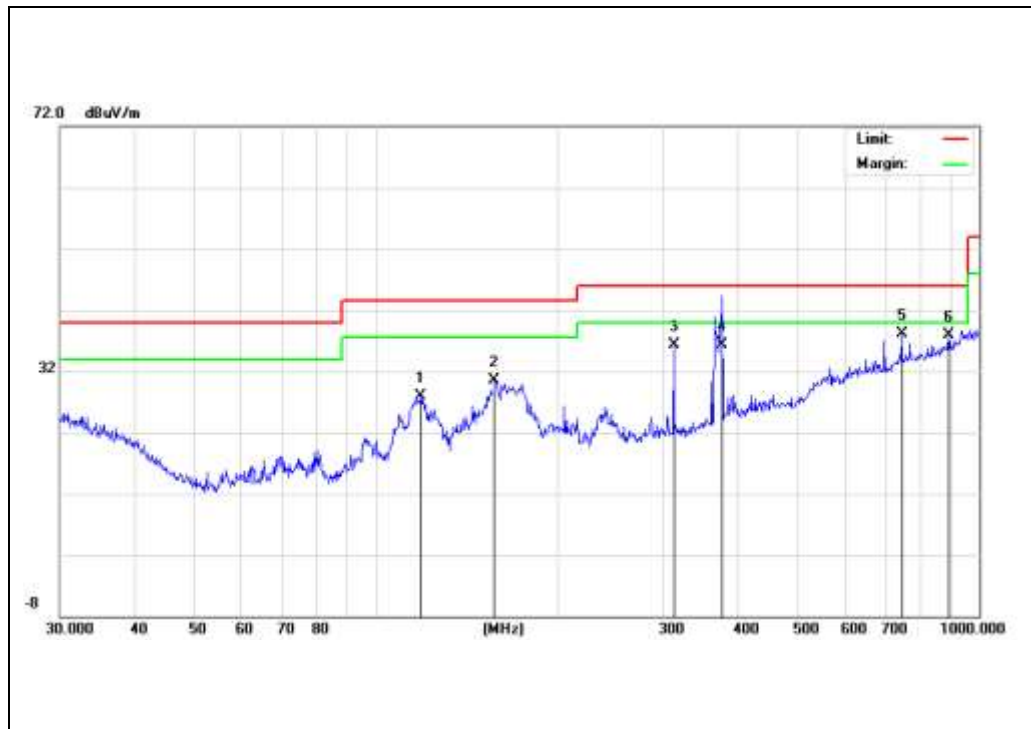
TEST DATA OF RADIATED EMISSION (Adapter model:BI24-050400-Adc
+ Adapter model:BI24-050350-Adc)
Data transmission mode: (Vertical)



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Antenna Height cm	Table Degree	Comment
1	40.9881	19.11	14.28	33.39	40.00	-6.61	QP			
2	59.2325	23.88	6.49	30.37	40.00	-9.63	QP			
3	94.0979	21.99	11.32	33.31	43.50	-10.19	QP			
4	158.6677	18.25	12.29	30.54	43.50	-12.96	QP			
5 *	607.7866	15.21	24.70	39.91	46.00	-6.09	QP			
6	925.7563	8.22	30.45	38.67	46.00	-7.33	QP			



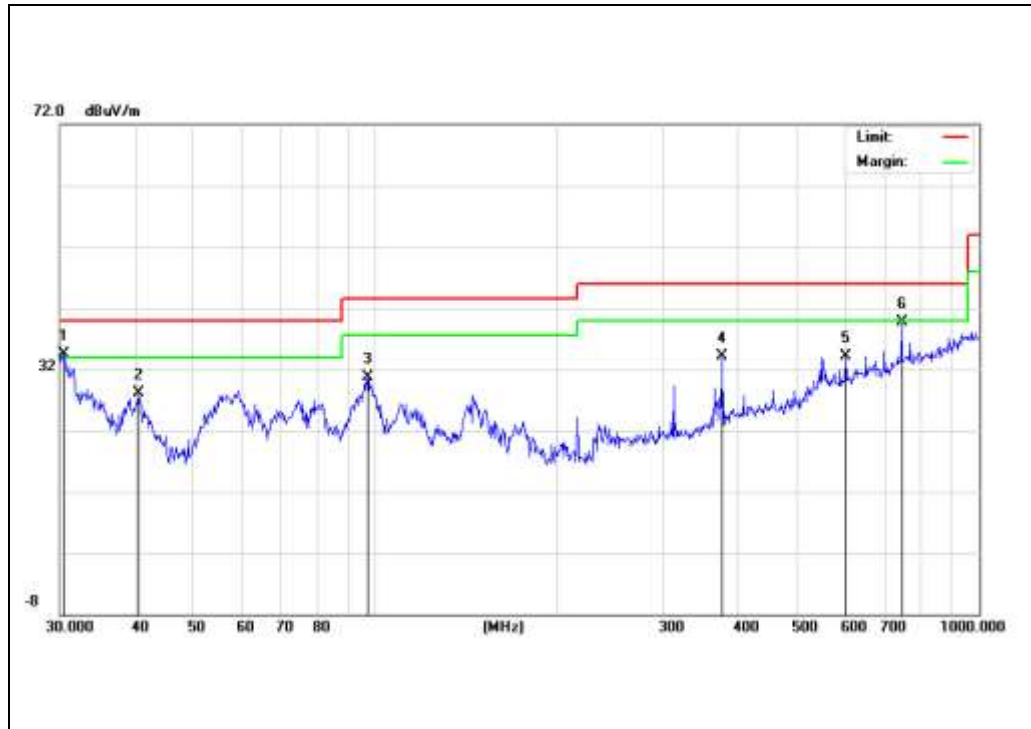
TEST DATA OF RADIATED EMISSION (Adapter model:BI24-050350-Adc) ON mode: (Horizontal)



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		119.0180	14.08	13.75	27.83	43.50	-15.67	QP		
2		157.5588	18.13	12.39	30.52	43.50	-12.98	QP		
3		312.1794	19.65	16.65	36.30	46.00	-9.70	QP		
4		375.9385	17.34	19.06	36.40	46.00	-9.60	QP		
5	*	744.8659	10.64	27.45	38.09	46.00	-7.91	QP		
6		890.7278	8.63	29.32	37.95	46.00	-8.05	QP		



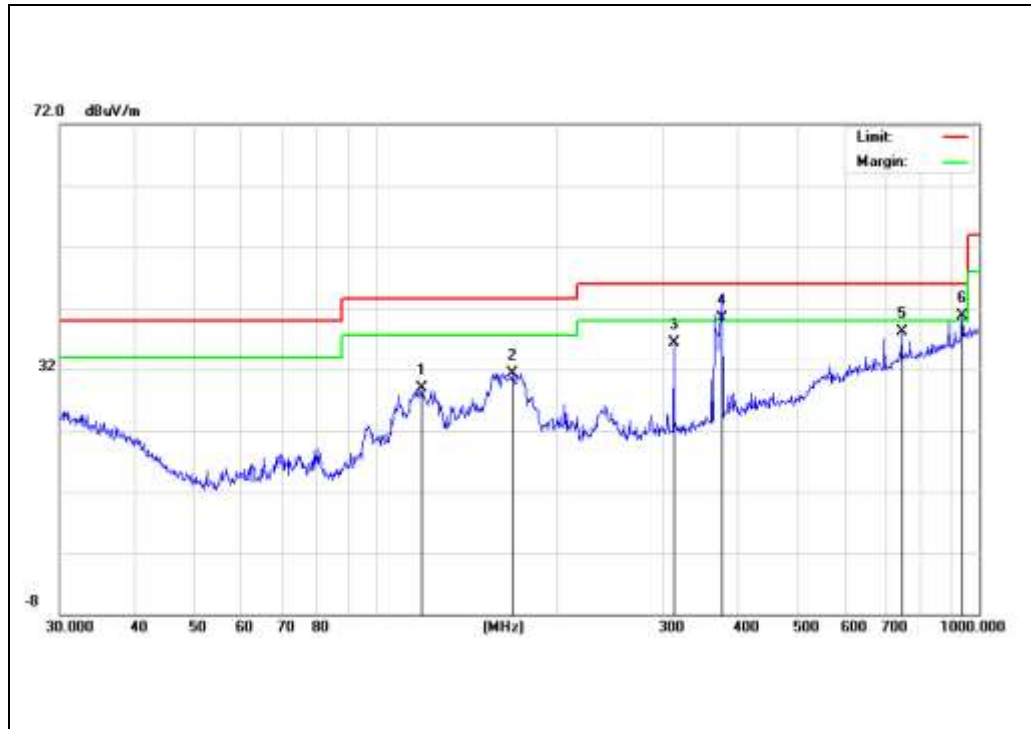
**TEST DATA OF RADIATED EMISSION (Adapter model:BI24-050350-Adc)
ON mode: (Vertical)**



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	30.4238	14.79	19.65	34.44	40.00	-5.56	QP		
2		40.5591	13.42	14.61	28.03	40.00	-11.97	QP		
3		97.1148	19.15	11.64	30.79	43.50	-12.71	QP		
4		375.9385	15.01	19.06	34.07	46.00	-11.93	QP		
5		601.4265	9.55	24.58	34.13	46.00	-11.87	QP		
6		744.8661	12.24	27.45	39.69	46.00	-6.31	QP		



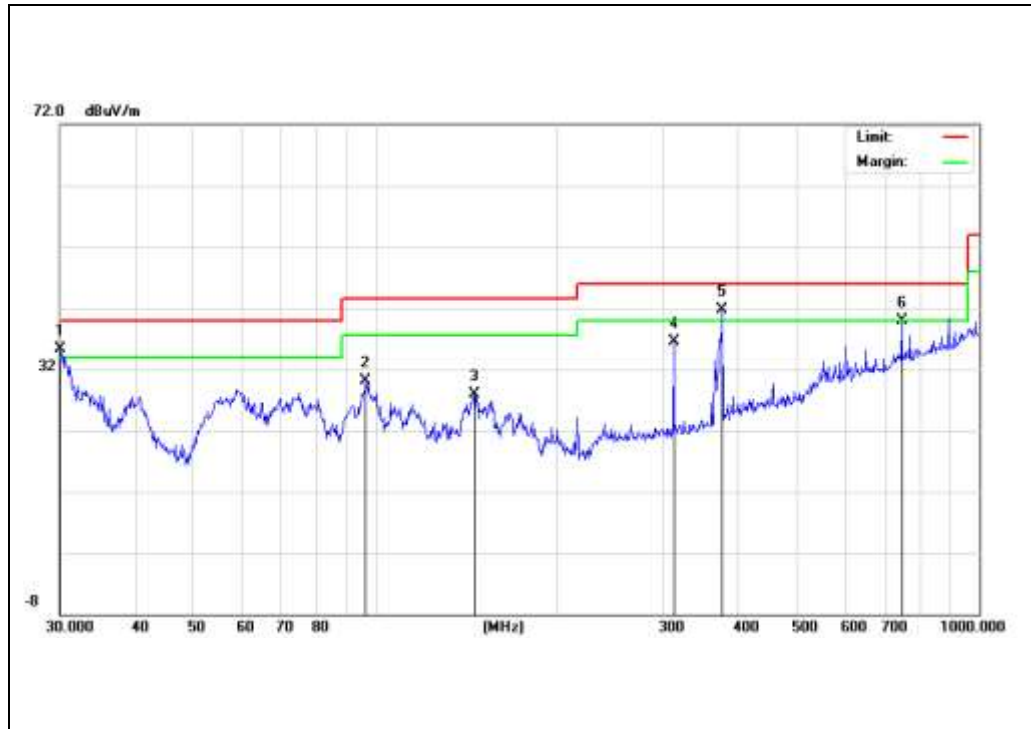
**TEST DATA OF RADIATED EMISSION (Adapter model:BI24-050400-Adc)
ON mode: (Horizontal)**



No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	119.4361	15.17	13.80	28.97	43.50	-14.53	QP		
2	168.4138	19.68	11.66	31.34	43.50	-12.16	QP		
3	312.1794	19.65	16.65	36.30	46.00	-9.70	QP		
4 !	375.9385	21.29	19.06	40.35	46.00	-5.65	QP		
5	744.8659	10.64	27.45	38.09	46.00	-7.91	QP		
6 *	938.8324	9.71	30.97	40.68	46.00	-5.32	QP		



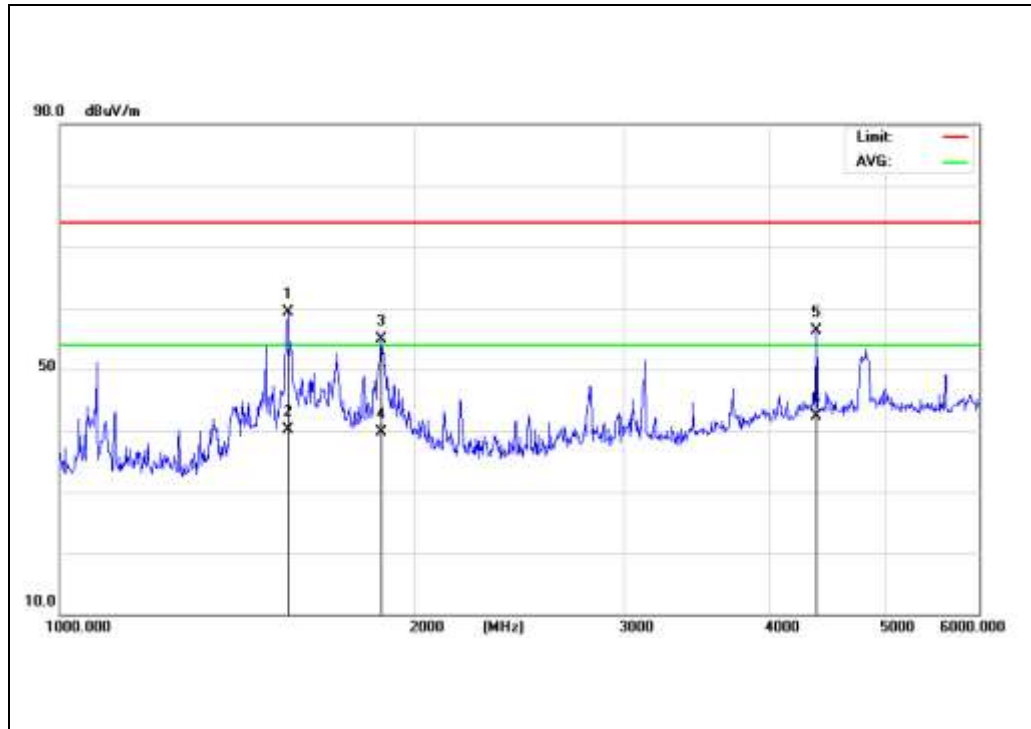
**TEST DATA OF RADIATED EMISSION (Adapter model:BI24-050400-Adc)
ON mode: (Vertical)**



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	!	30.1054	15.50	19.82	35.32	40.00	-4.68	QP		
2		96.4362	18.59	11.58	30.17	43.50	-13.33	QP		
3		145.8611	14.81	13.00	27.81	43.50	-15.69	QP		
4		312.1794	19.79	16.65	36.44	46.00	-9.56	QP		
5	*	375.9385	22.65	19.06	41.71	46.00	-4.29	QP		
6		744.8659	12.38	27.45	39.83	46.00	-6.17	QP		



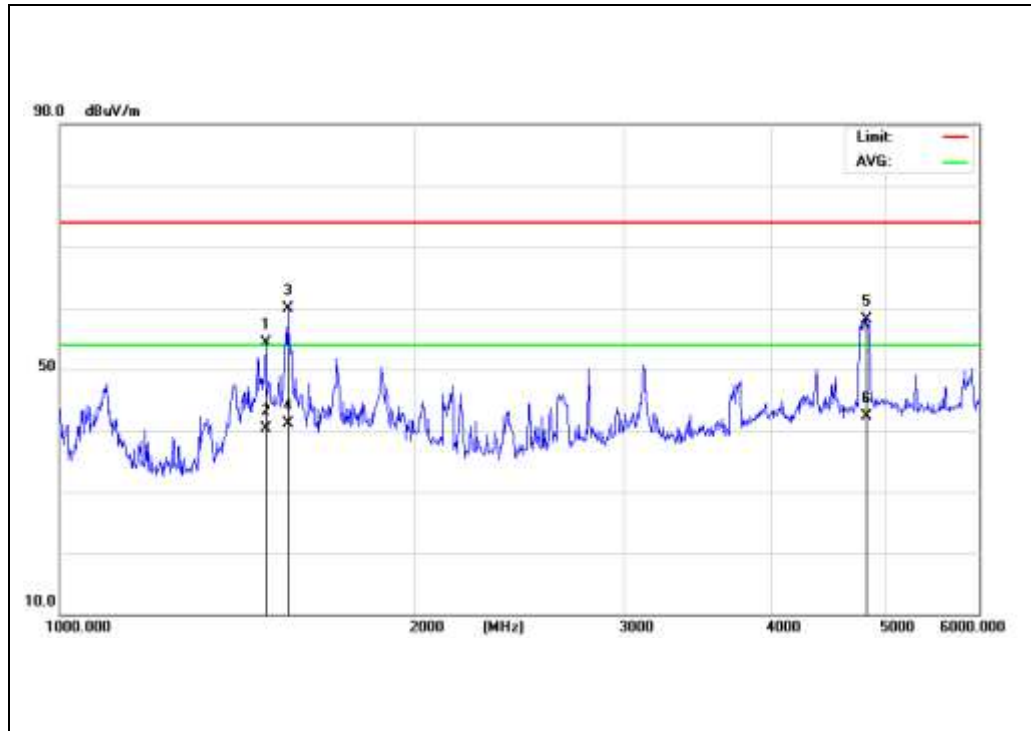
TEST DATA OF RADIATED EMISSION (Above 1G) (EUT)
ON mode: (Horizontal)



No. Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	1559.486	70.32	-10.96	59.36	74.00	-14.64	peak		
2	1559.486	51.08	-10.96	40.12	54.00	-13.88	AVG		
3	1872.203	64.35	-9.44	54.91	74.00	-19.09	peak		
4	1872.203	49.06	-9.44	39.62	54.00	-14.38	AVG		
5	4369.367	56.58	-0.20	56.38	74.00	-17.62	peak		
6 *	4369.367	42.50	-0.20	42.30	54.00	-11.70	AVG		



TEST DATA OF RADIATED EMISSION (Above 1G) (EUT)
ON mode: (Vertical)



No. Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	1493.846	65.37	-11.03	54.34	74.00	-19.66	peak		
2	1493.846	51.26	-11.03	40.23	54.00	-13.77	AVG		
3	1559.486	70.80	-10.96	59.84	74.00	-14.16	peak		
4	1559.486	52.08	-10.96	41.12	54.00	-12.88	AVG		
5	4821.884	56.25	1.84	58.09	74.00	-15.91	peak		
6 *	4821.884	40.46	1.84	42.30	54.00	-11.70	AVG		



PHOTOS OF EUT





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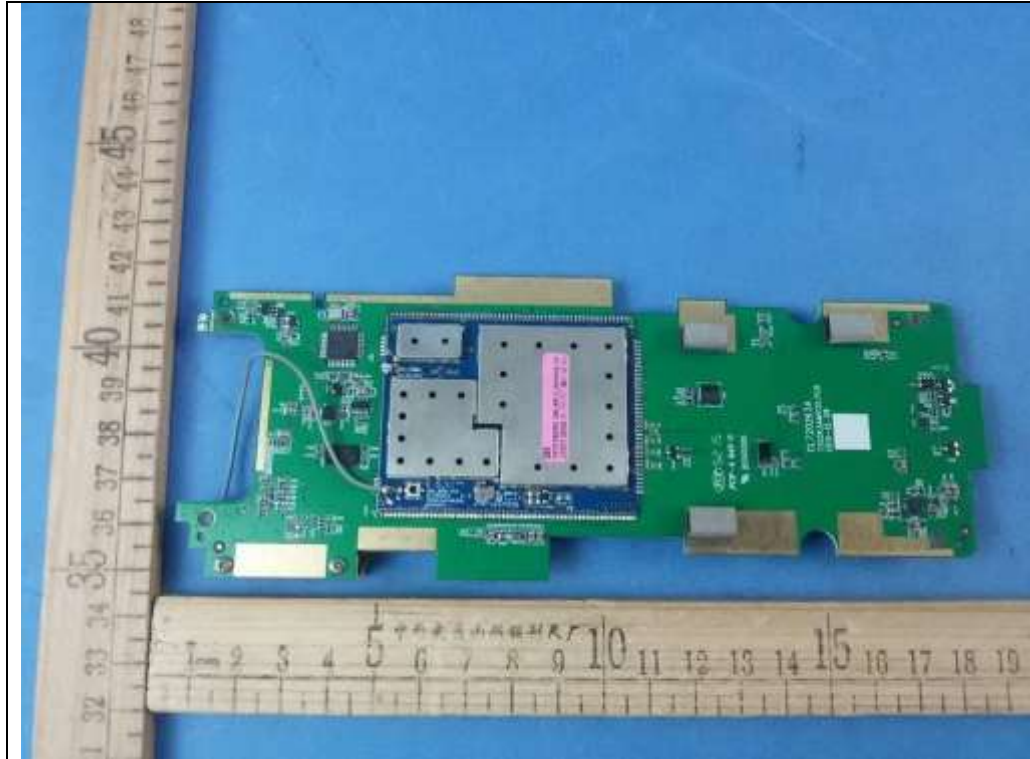


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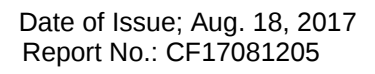
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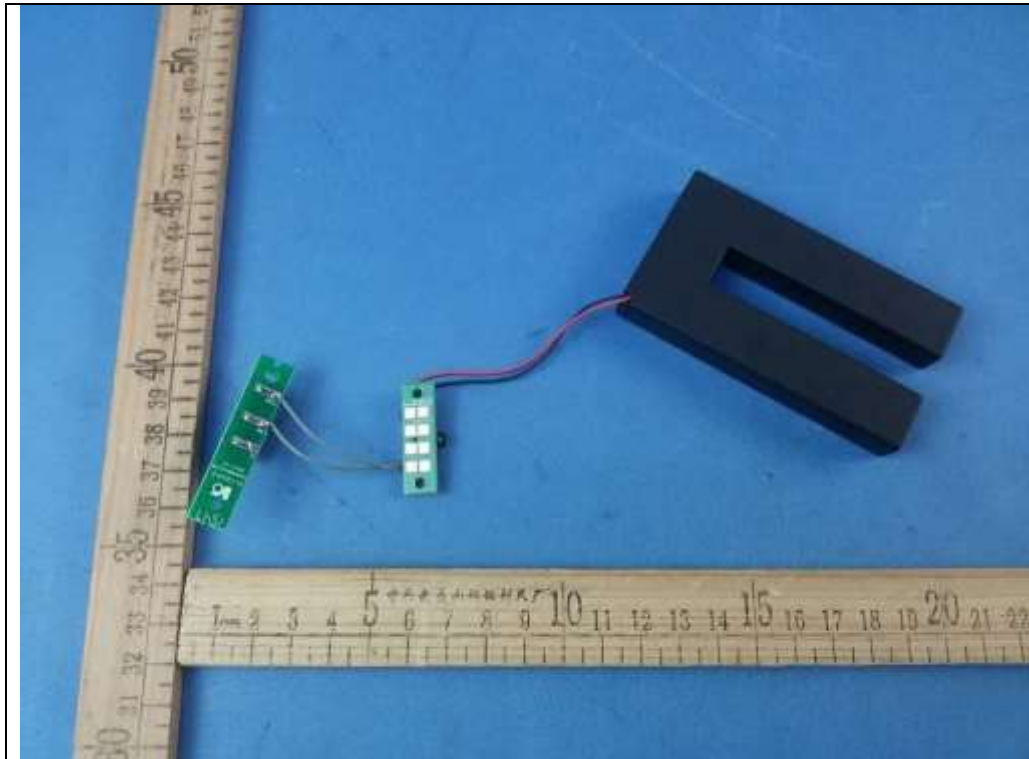
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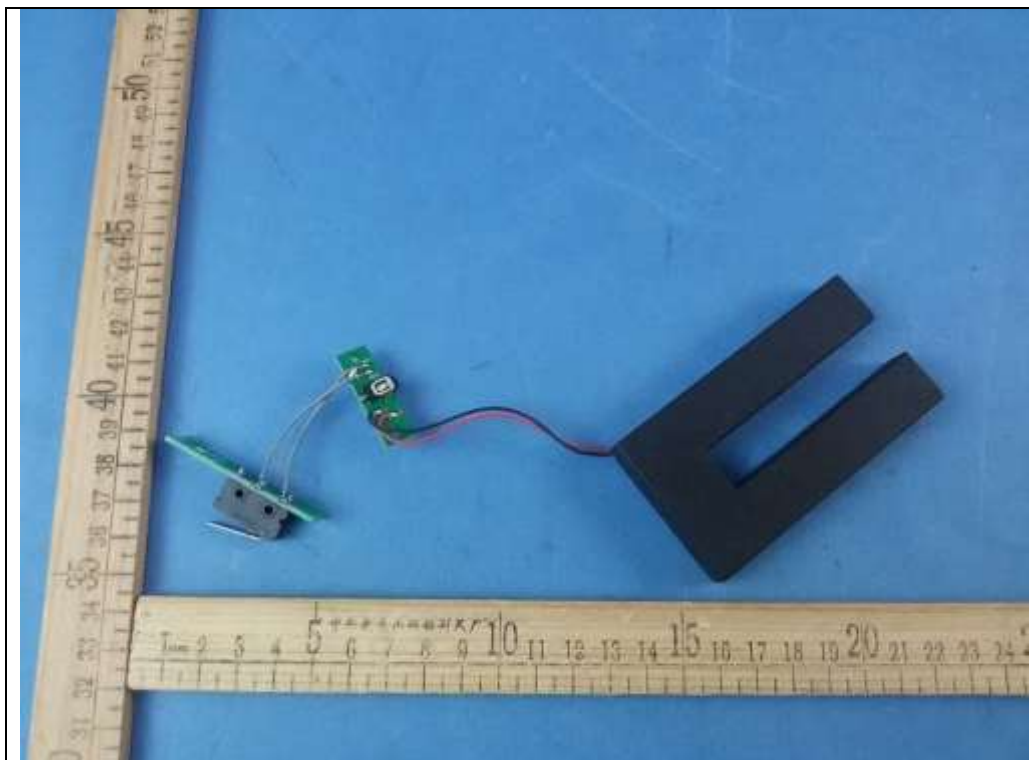


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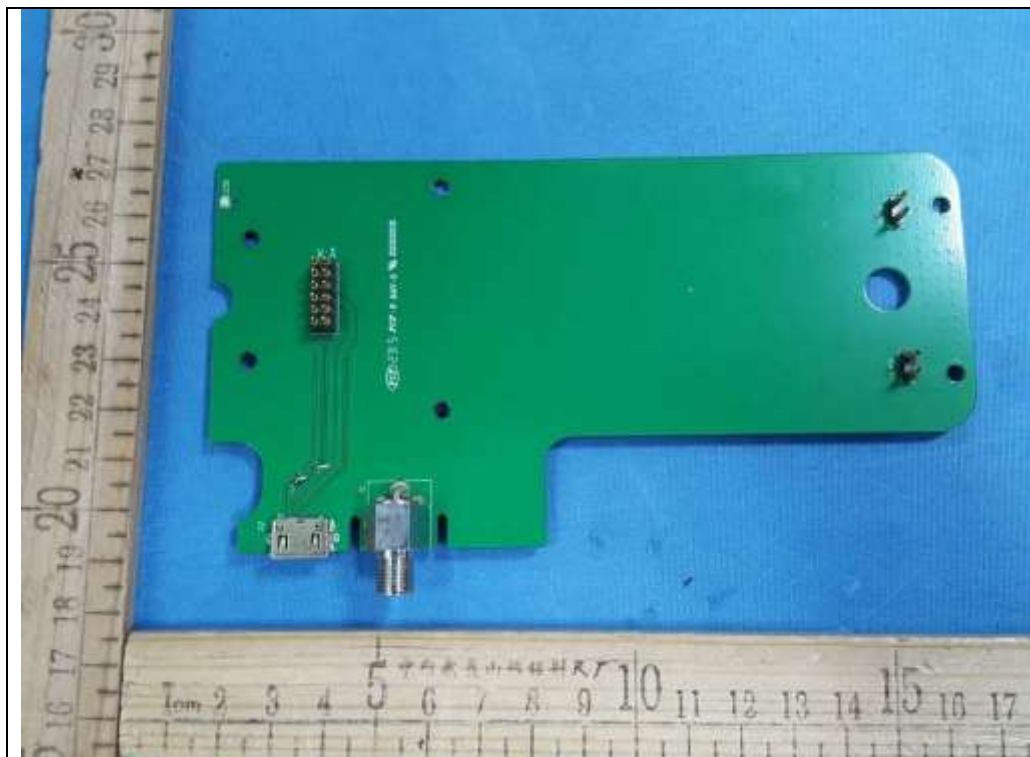


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