

Report No: CCISE181100605

FCC REPORT

Applicant:	GNJ Manufacturing Inc		
Address of Applicant:	5811 West Hallandale Beach Blve. West Park, FL 33023		
Equipment Under Test (B	EUT)		
Product Name:	Cool Duo		
Model No.:	Cool Duo		
Trade mark:	CellAllure		
FCC ID:	2AAE9CAPHG52		
Applicable standards:	FCC CFR Title 47 Part 15 Subpart B		
Date of sample receipt:	06 Nov., 2018		
Date of Test:	06 Nov., to 28 Nov., 2018		
Date of report issued:	29 Nov., 2018		
Test Result:	PASS *		

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:



Laboratory Manager

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the CCIS product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

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Version 2

Version No.	Date	Description
00	29 Nov., 2018	Original

Tested by:

Mike.0U

Date:

Date:

29 Nov., 2018

29 Nov., 2018

Test Engineer

Reviewed by:

Dimer hand

Project Engineer

<u>CCIS</u>

Report No: CCISE181100605

3 Contents

			Page
1	С	OVER PAGE	1
2	v	/ERSION	2
3	С	CONTENTS	3
4	т	EST SUMMARY	4
5	G	GENERAL INFORMATION	5
	5.1	CLIENT INFORMATION	5
	5.2	GENERAL DESCRIPTION OF E.U.T.	
	5.3	Test Mode	5
	5.4	Measurement Uncertainty	5
	5.5	DESCRIPTION OF SUPPORT UNITS	6
	5.6	Related Submittal(s) / Grant (s)	6
	5.7	LABORATORY FACILITY	6
	5.8	LABORATORY LOCATION	
	5.9	Test Instruments list	
6	Т	EST RESULTS AND MEASUREMENT DATA	8
	6.1	Conducted Emission	
	6.2	RADIATED EMISSION	
7	т	EST SETUP PHOTO	
8	Е	EUT CONSTRUCTIONAL DETAILS	



4 Test Summary

Test Item	Section in CFR 47	Result		
Conducted Emission	Part 15.107	Pass		
Radiated Emission	Part 15.109	Pass		
Remark: Pass: The EUT complies with the essential requirements in the standard. N/A: The EUT not applicable of the test item.				



5 General Information

5.1 Client Information

Applicant:	GNJ Manufacturing Inc
Address of Applicant:	5811 West Hallandale Beach Blve. West Park, FL 33023
Manufacturer/ Factory:	Shenzhen Tugao Intelligent Co., Ltd.
Address:	7th/8th/10th Floor, Bldg A, Jingang Science & Technology Park, Yongfu Road, Fuyong, Bao'an District, Shenzhen, China 518103

5.2 General Description of E.U.T.

Product Name:	Cool Duo
Model No.:	Cool Duo
Power supply:	Rechargeable Li-ion Polymer Battery DC3.8V-2200mAh
AC adapter :	Model: 853-5010 Input: AC100-240V, 50/60Hz, 150mA Output: DC 5.0V, 1A
Test Sample Condition:	The test samples were provided in good working order with no visible defects.

5.3 Test Mode

Operating mode	Detail description			
PC mode	Keep the EUT in Downloading mode(Worst case)			
Charging+Recording mode	Keep the EUT in Charging+Recording mode			
Charging+Playing mode	Keep the EUT in Charging+Playing mode			
FM mode	Keep the EUT in FM receiver mode			
GPS mode	Keep the EUT in GPS receiver mode			
The sample was placed 0.8m above the ground plane of 3m chamber. Measurements in both horizontal and				

The sample was placed 0.8m above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages.

5.4 Measurement Uncertainty

Parameters	Expanded Uncertainty
Conducted Emission (9kHz ~ 30MHz)	±2.22 dB (k=2)
Radiated Emission (9kHz ~ 30MHz)	±2.76 dB (k=2)
Radiated Emission (30MHz ~ 1000MHz)	±4.28 dB (k=2)
Radiated Emission (1GHz ~ 18GHz)	±5.72 dB (k=2)
Radiated Emission (18GHz ~ 40GHz)	±2.88 dB (k=2)



5.5 Description of Support Units

Manufacturer	Description	Model	Serial Number	FCC ID/DoC
DELL	PC	OPTIPLEX745	N/A	DoC
DELL	MONITOR	E178FPC	N/A	DoC
DELL	KEYBOARD	SK-8115	N/A	DoC
DELL	MOUSE	MOC5UO	N/A	DoC
LENOVO	Laptop	SL510	2847A65	DoC

5.6 Related Submittal(s) / Grant (s)

This is an original grant, no related submittals and grants.

5.7 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

• FCC - Registration No.: 727551

Shenzhen Zhongjian Nanfang Testing Co., Ltd. has been accredited as a testing laboratory by FCC (Federal Communications Commission). The Registration No. is 727551.

IC - Registration No.: 10106A-1

The 3m Semi-anechoic chamber of Shenzhen Zhongjian Nanfang Testing Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

• CNAS - Registration No.: CNAS L6048

Shenzhen Zhongjian Nanfang Testing Co., Ltd. is accredited to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L6048.

A2LA - Registration No.: 4346.01

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: <u>https://portal.a2la.org/scopepdf/4346-01.pdf</u>

5.8 Laboratory Location

Shenzhen Zhongjian Nanfang Testing Co., Ltd. Address: No. B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road, Bao'an District, Shenzhen, Guangdong, China Tel: +86-755-23118282, Fax: +86-755-23116366 Email: info@ccis-cb.com, Website: http://www.ccis-cb.com



5.9 Test Instruments list

Radiated Emission:						
Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)	
3m SAC	SAEMC	9m*6m*6m	966	07-22-2017	07-21-2020	
Loop Antenna	SCHWARZBECK	FMZB1519B	00044	03-16-2018	03-15-2019	
BiConiLog Antenna	SCHWARZBECK	VULB9163	497	03-16-2018	03-15-2019	
Horn Antenna	SCHWARZBECK	BBHA9120D	916	03-16-2018	03-15-2019	
Horn Antenna	SCHWARZBECK	BBHA9120D	1805	06-22-2017	06-21-2020	
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170582	11-21-2017	11-20-2018	
Hom Antenna	SCHWARZDECK	BBHA 9170	DDHA9170362	11-21-2018	11-20-2019	
EMI Test Software	AUDIX	E3	V	/ersion: 6.110919	b	
Pre-amplifier	HP	8447D	2944A09358	03-07-2018	03-06-2019	
Pre-amplifier	CD	PAP-1G18	11804	03-07-2018	03-06-2019	
Spectrum analyzer	Rohde & Schwarz	FSP30	101454	03-07-2018	03-06-2019	
Spectrum analyzer	Rohde & Schwarz	FSP40	100363	11-21-2017	11-20-2018	
Spectrum analyzer	Runue & Schwarz	F3F40	100303	11-21-2018	11-20-2019	
EMI Test Receiver	Rohde & Schwarz	ESRP7	101070	03-07-2018	03-06-2019	
Cable	ZDECL	Z108-NJ-NJ-81	1608458	03-07-2018	03-06-2019	
Cable	MICRO-COAX	MFR64639	K10742-5	03-07-2018	03-06-2019	
Cable	SUHNER	SUCOFLEX100	58193/4PE	03-07-2018	03-06-2019	

Conducted Emission:						
Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)	
EMI Test Receiver	Rohde & Schwarz	ESCI	101189	03-07-2018	03-06-2019	
Pulse Limiter	SCHWARZBECK	OSRAM 2306	9731	03-07-2018	03-06-2019	
LISN	CHASE	MN2050D	1447	03-19-2018	03-18-2019	
LISN	Rohde & Schwarz	ESH3-Z5	8438621/010	07-21-2018	07-20-2019	
Cable	HP	10503A	N/A	03-07-2018	03-06-2019	
EMI Test Software	AUDIX	E3	Version: 6.110919b			



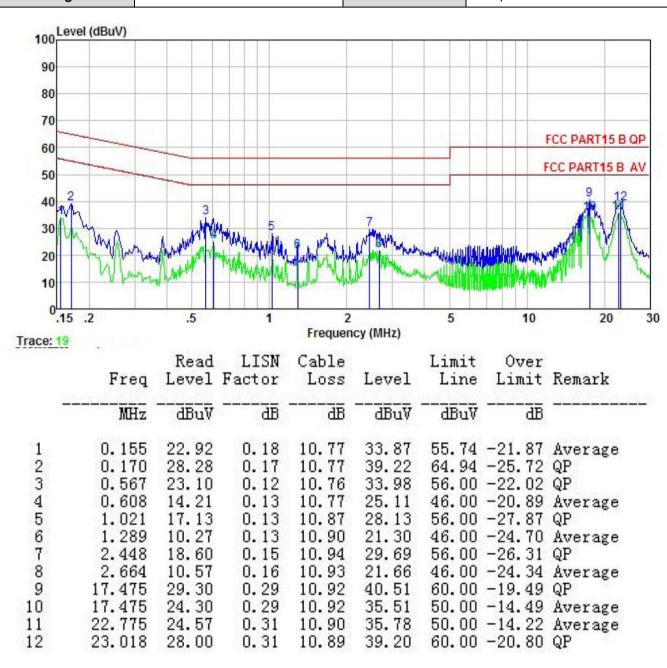
6 Test results and Measurement Data

6.1 Conducted Emission

Test Requirement:	FCC Part 15 B Section 15.107			
Test Method:	ANSI C63.4:2014			
Test Frequency Range:	150kHz to 30MHz			
Class / Severity:	Class B			
Receiver setup:	RBW=9kHz, VBW=30kHz			
Limit:		Limit	(dBµV)	
	Frequency range (MHz)	Quasi-peak	Average	
	0.15-0.5	66 to 56*	56 to 46*	
	0.5-5	56	46	
	0.5-30	60	50	
	* Decreases with the logarith	m of the frequency.		
Test setup:	Reference Plan	ne		
	LISN 40cm 80cm Filter AC power Equipment E.U.T Filter AC power Test table/Insulation plane EMI Receiver Remark: E.U.T. Equipment Under Test LISN Line Impedence Stabilization Network Test table height=0.8m			
Test procedure	 The E.U.T and simulators are connected to the main power through a line impedance stabilization network(L.I.S.N.). The provide a 50ohm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refers to the block diagram of the test setup and photographs). Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2014 on conducted measurement. 			
Test Instruments:	Refer to section 5.9 for details			
Test mode:	Refer to section 5.3 for details			
Test results:	Pass			

Measurement data:

Product name:	Cool Duo	Product model:	Cool Duo
Test by:	Alex	Test mode:	PC mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5℃ Huni: 55%



Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.

2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.

3. Final Level =Receiver Read level + LISN Factor + Cable Loss.





Product name	e: C	ool Duo		F	Product mod	lel: C	ool Duo	
Test by:	A	lex		-	Fest mode:	P	C mode	
Test frequenc	y: 15	50 kHz ~ 30) MHz	F	Phase:	N	eutral	
Test voltage:	A	C 120 V/60	Hz	1	Environmei	nt: T	emp: 22.5 ℃	Huni: 55%
Level (dBuV)							
100								
90								
80								
70								
60		~~					FC	C PART15 B QP
50							FC	C PART15 B AV
40						7		9 12
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0	, a barra	.5	1	2		5	10	20 3
		.5	1	2 Frequenc	y (MHz)	5	10	20 3
0.15 .2	i I karne	Read	1 LISN	-		5 Limit		20 3
0.15 .2	Freq	Read	1 LISN Factor	Frequenc	y (MHz) Level		Over	20 3 Remark
0.15 .2		Read		Frequenc Cable		Limit	Over Limit	
0.15 .2	Freq	Read Level	Factor	Frequenc Cable Loss	Level	Limit Line dBuV	Over Limit B	Remark
0.15 .2 Trace: 17	Freq MHz 0.158 0.385	Read Level dBuV 23.01 13.51	Factor dB 0.98 0.97	Frequence Cable Loss dB 10.77 10.72	Level dBuV 34.76 25.20	Limit Line dBuV 55.56 48.17	Over Limit dB -20.80 -22.97	Remark Average Average
0.15 .2 Trace: 17	Freq MHz 0.158 0.385 0.601	Read Level dBuV 23.01 13.51 23.59	Factor dB 0.98 0.97 0.97	Frequenc Cable Loss dB 10.77 10.72 10.77	Level dBuV 34.76 25.20 35.33	Limit Line dBuV 55.56 48.17 56.00	Over Limit dB -20.80 -22.97 -20.67	Remark Average Average QP
0.15 .2 Trace: 17 1 2 3 4	Freq MHz 0.158 0.385 0.601 1.021	Read Level dBuV 23.01 13.51 23.59 19.98	Factor dB 0.98 0.97 0.97 0.97 0.97	Frequence Cable Loss dB 10.77 10.72 10.77 10.87	Level dBuV 34.76 25.20 35.33 31.82	Limit Line dBuV 55.56 48.17 56.00 56.00	Over Limit 	Remark Average Average QP QP
0.15 .2 Trace: 17 1 2 3 4 5 6	Freq MHz 0.158 0.385 0.601	Read Level dBuV 23.01 13.51 23.59	Factor dB 0.98 0.97 0.97 0.97 0.97 0.99	Frequence Cable Loss dB 10.77 10.72 10.77 10.87 10.94	Level dBuV 34.76 25.20 35.33	Limit Line dBuV 55.56 48.17 56.00 56.00 56.00	Over Limit dB -20.80 -22.97 -20.67 -24.18 -23.82	Remark Average Average QP QP
0.15 .2 Trace: 17 1 2 3 4 5 6	Freq MHz 0.158 0.385 0.601 1.021 2.567 3.074 4.478	Read Level dBuV 23.01 13.51 23.59 19.98 20.25 14.27 24.94	Factor dB 0.98 0.97 0.97 0.97 0.99 0.99 1.00	Frequence Cable Loss dB 10.77 10.72 10.77 10.87 10.94 10.92 10.87	Level dBuV 34.76 25.20 35.33 31.82 32.18 26.18 36.81	Limit Line dBuV 55.56 48.17 56.00 56.00 56.00 46.00 56.00	Over Limit 	Remark Average Average QP QP QP Average QP
0.15 .2 Trace: 17 1 2 3 4 5 6 7 8	Freq MHz 0.158 0.385 0.601 1.021 2.567 3.074 4.478 7.935	Read Level dBuV 23.01 13.51 23.59 19.98 20.25 14.27 24.94 20.39	Factor dB 0.98 0.97 0.97 0.97 0.99 0.99 1.00 1.00	Frequence Cable Loss dB 10.77 10.72 10.77 10.87 10.94 10.92 10.87 10.85	Level dBuV 34.76 25.20 35.33 31.82 32.18 26.18 36.81 32.26	Limit Line dBuV 55.56 48.17 56.00 56.00 56.00 46.00 56.00 56.00	Over Limit dB -20.80 -22.97 -20.67 -24.18 -23.82 -19.82 -19.19 -17.74	Remark Average Average QP QP QP Average QP Average
0.15 .2 Trace: 17 1 2 3 4 5 6 7 8 9	Freq MHz 0.158 0.385 0.601 1.021 2.567 3.074 4.478 7.935 18.622	Read Level dBuV 23.01 13.51 23.59 19.98 20.25 14.27 24.94 20.39 28.60	Factor dB 0.98 0.97 0.97 0.97 0.99 0.99 1.00 1.02 0.74	Frequence Cable Loss dB 10.77 10.72 10.77 10.87 10.94 10.92 10.87 10.85 10.92	Level dBuV 34.76 25.20 35.33 31.82 32.18 26.18 36.81 32.26 40.26	Limit Line dBuV 55.56 48.17 56.00 56.00 56.00 46.00 50.00 50.00 60.00	Over Limit dB -20.80 -22.97 -20.67 -24.18 -23.82 -19.82 -19.19 -17.74 -19.74	Remark Average Average QP QP Average QP Average QP
0.15 .2 Trace: 17 1 2 3 4 5 6 7 8 9 1 10 1	Freq MHz 0.158 0.385 0.601 1.021 2.567 3.074 4.478 7.935	Read Level dBuV 23.01 13.51 23.59 19.98 20.25 14.27 24.94 20.39	Factor dB 0.98 0.97 0.97 0.97 0.99 0.99 1.00 1.00	Frequence Cable Loss dB 10.77 10.72 10.77 10.87 10.94 10.92 10.87 10.85	Level dBuV 34.76 25.20 35.33 31.82 32.18 26.18 36.81 32.26	Limit Line dBuV 55.56 48.17 56.00 56.00 56.00 56.00 56.00 50.00 50.00 50.00	Over Limit 	Remark Average Average QP QP Average QP Average QP Average Average

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.

2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.

3. Final Level =Receiver Read level + LISN Factor + Cable Loss.



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6.2 Radiated Emission

Test Requirement:	FCC Part 15 B	Section 1	5.109				
Test Method:	ANSI C63.4:201	4					
Test Frequency Range:	30MHz to 60001	MHz					
Test site:	Measurement D	istance: 3	3m (Se	mi-Anechoi	c Chan	nber)	
Receiver setup:	Frequency	Deteo	ctor	RBW	VB\	N	Remark
	30MHz-1GHz	Quasi-		120kHz	300k		Quasi-peak Value
	Above 1GHz	Pea		1MHz	3MF		Peak Value
1.1.2.1	Frequenc	RM		1MHz (dBuV/m @	3MF	HZ I	Average Value Remark
Limit:	30MHz-88M		LIIIII	40.0	2011)	6	Quasi-peak Value
	88MHz-216			40.0			Quasi-peak Value
	216MHz-960			46.0			Quasi-peak Value
	960MHz-1G			54.0			Quasi-peak Value
				54.0			Average Value
	Above 1G	ΗZ		74.0			Peak Value
Test setup:	EUT Turn Table Oround Plane – Above 1GHz		\sim		Antenna - Searc Anten RF Test Receiver		
		Test		Pre-	Controlle	-	



Test Procedure:	 The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation. The EUT was set 3 meters away from the interference-receiving
	antenna, which was mounted on the top of a variable-height antenna tower.
	3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
	4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
	5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
	6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
Test Instruments:	Refer to section 5.9 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed
Remark:	All of the observed value above 6GHz ware the niose floor , which were no recorded



Measurement Data:

Test By:	Name:	Cool Duo			Proc	duct Mode	el: Co	ool Duo		
-		Alex			Test	t mode:	P	C mode		
Test Freq	luency:	30 MHz ~	1 GHz		Pola	arization:	Ve	ertical		
Test Volta	age:	AC 120/6	0Hz		Env	ironment:	Te	Temp: 24℃ Huni: 57		
80 Level	(dBuV/m)									
70	_									
60										
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		Read	Intenna	and the second second second	e e e		Limit	Over		
	Freq		Factor						Remark	
<u>~</u>	MHz	 ₫₿u₩	<u></u>	dB	<u>dB</u>	dBuV/m	dBuV/m	<u>dB</u>		
	60.704	48.69		1.38	29.77		40.00			
1		And 100 100 100 100	8.45	2.33	29.31		43.50			
1 2	134.088	55.32							OD	
1 2 3	166.068	53.26	9.28	2.63	29.08	36.09	43.50			
4	166.068 207.850	53.26 55.72	9.28 11.81	2.86	28.78	41.61	43.50	-1.89	QP	
	166.068	53.26	9.28						QP QP	



Product	Name:	Cool Duc)		Pro	oduct Mod	el:	Cool Duo			
Fest By:	1	Alex			Tes	st mode:	F	PC mode			
Fest Fre	quency:	30 MHz -	~ 1 GHz		Pol	arization:	ł	Horizontal			
Fest Vol	Voltage: AC 120/60Hz			Env	vironment	:	Гетр: 24 ℃	2	Huni:	57%	
80	l (dBuV/m)										
70											
10											
60								FCC PA	RT1	5 CLAS	SB
50											Ī
300			-		2	1		6			
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20 10 10	50		Antenna	Cable	uency (MH Preamp	łz)	Hyddy M Limit	500 Over			
20 10 10				Cable	uency (MH	łz)	Limit	500 Over			_
20 10 10 10 10 10 10 10 10 10 10 10 10 10 1	50		Antenna	Cable	luency (MH Preamp Factor	łz)	Line	500 Over Limit	Rei		
20 10 0 30	50 Freq MHz 56.395	Level 	Antenna Factor dB/m 12.98	Cable Loss dB 1.36	uency (M⊦ Preamp Factor dB 29.79	tz) Level dBuV/m 30.20	Line dBuV/m 40.00	500 Over Limit 	Rei 		_
20 10 0 30	50 Freq MHz 56.395 166.068	Level <u>dBuV</u> 45.65 52.32	Antenna Factor dB/m 12.98 9.28	Cable Loss dB 1.36 2.63	uency (M⊦ Preamp Factor dB 29.79 29.08	tz) Level dBuV/m 30.20 35.15	Line dBuV/m 40.00 43.50	500 Over Limit -9.80 -8.35	Rei QP QP		
20 10 0 30 	50 Freq MHz 56.395 166.068 167.824	Level dBuV 45.65 52.32 52.76	Antenna Factor dB/m 12.98 9.28 9.34	Cable Loss dB 1.36 2.63 2.64	uency (MH Preamp Factor dB 29.79 29.08 29.07	tz) Level dBuV/m 30.20 35.15 35.67	Line dBuV/m 40.00 43.50 43.50	500 Over Limit dB 9.80 8.35 7.83	Ren QP QP QP		100
20 10 0 30 -	50 Freq MHz 56.395 166.068	Level <u>dBuV</u> 45.65 52.32	Antenna Factor dB/m 12.98 9.28 9.34 12.72	Cable Loss dB 1.36 2.63	uency (MH Preamp Factor dB 29.79 29.08 29.07 28.64	tz) Level dBuV/m 30.20 35.15 35.67 32.01	Line dBuV/m 40.00 43.50 43.50 46.00	500 Over Limit -9.80 -8.35	Rei QP QP QP QP	mark	

2. The emission levels of other frequencies are very lower than the limit and not show in test report.



Above 1GHz:

roduct	Name:	Cool Duo			Product Model:			Cool Duo		
est By:		Alex			Test mode:			PC mode		
est Free	quency:	1 GHz ~ 6	GHz		Pola	arization:	V	Vertical Temp: 24°C Huni: 57		
est Volt	age:	AC 120/60)Hz		Env	ironment:	Т			
en Level	(dBuV/m)									
00								FCC	PART 15 (PK)	
70										
60										
50									_	
50									5anath	
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	Sala and Soldary	he was and	4 martin	unum	where the parties	ANAMANAN			P	
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20										
20										
20	1200	1500	20	000 Eroqu	oncy (MHz				5000 600	
20		1500		Frequ	ency (MHz		Limit	0.000	5000 600	
20	1200	1500 Read!	Intenna	Frequ Cable	Preamp		Limit	Over Limit		
20	1200	1500	Intenna	Frequ Cable	Preamp Factor	Level	Line		5000 600 Remark	
20	1200	1500 Read!	Intenna	Frequ Cable	Preamp Factor		Line			
20 10 0 1000	1200 Freq MHz	1500 Read Level dBuV	Antenna Factor dB/m	Frequ Cable Loss dB	Preamp Factor dB	Level dBuV/m	Line dBuV/m	Limit <u>d</u> B	Remark	
20 10 0 1000	1200 Freq	1500 Read& Level	Antenna Factor	Frequ Cable Loss	Preamp Factor dB 41.87	Level	Line dBuV/m 74.00	Limit 	Remark Peak	
20 10 0 1000	1200 Freq MHz 2612.697	1500 Read& Level 	Antenna Factor dB/m 27.85	Frequ Cable Loss dB 4.96	Preamp Factor dB 41.87 41.87	Level dBuV/m 37.59	Line dBuV/m 74.00 74.00	Limit 	Remark Peak Average	
20 10 0 1000	1200 Freq MHz 2612.697 2612.697	1500 Read# Level dBuV 46.65 36.69 47.06	Antenna Factor dB/m 27.85 27.85	Frequ Cable Loss dB 4.96 4.96 5.41	Preamp Factor dB 41.87 41.87 41.42	Level dBuV/m 37.59 27.63 39.75	Line dBuV/m 74.00 74.00 74.00	Limit 	Remark Peak Average Peak	
20 10 0 1000	1200 Freq MHz 2612.697 2612.697 3164.836	1500 Read# Level dBuV 46.65 36.69	Antenna Factor dB/m 27.85 27.85 28.70	Frequ Cable Loss dB 4.96 4.96	Preamp Factor dB 41.87 41.87 41.42 41.42	Level dBuV/m 37.59 27.63 39.75 30.27	Line dBuV/m 74.00 74.00 74.00 74.00 74.00	Limit 	Remark Peak Average Peak Average	

The emission levels of other frequencies are very lower than the limit and not show in test report.



Product	Name:	Cool Duo)		Pro	duct Mod	el: (Cool Duo		
Test By:		Alex			Tes	t mode:	F	PC mode		
Test Free	quency:	1 GHz ~ (6 GHz		Pola	arization:	ŀ	Horizontal		
Fest Volt	tage:	AC 120/6	i0Hz		Env	vironment	: 7	Гетр: 24 ℃	ni: 57%	
Level	l (dBuV/m)									
80						1		FCC	PART 1	5 (PK)
70										
60								FCC	PART 1	5 (AV)
50									-	
124							2	1	hant	man
40				1	12204	mont	NAMAN	Ymparray	6	
-	and the second second	un handlight	ar advisition that the	wareneration	www.		4			
30	when when the states									
30	und have been all and the			2						
30 20	water and the second			2						
20	numst hange the state and	m: m		2						
	und have the share as			2						
20 10										
20 10		1500		2000	uency (MHz				5000	
20 10		1500		2000 Freq		z)	Limit			
20 10		1500 Read/	2	2000 Freq Cable	uency (MH)	z)		Over		600
20 10	1200	1500 Read/	2 Antenna	2000 Freq Cable	uency (MH; Preamp Factor	z)	Limit Line	Over Limit	5000	600
20 10	1200 Freq	1500 Read/ Level dBuV	2 Antenna Factor dB/m	2000 Freq Cable Loss dB	uency (MH; Preamp Factor dB	z) Level dBuV/m	Limit Line dBuV/m	Over Limit	5000 Remar	6000
20 10 0 1000 	1200 Freq MHz	1500 Read/ Level	2 Antenna Factor	2000 Freq Cable Loss	uency (MHz Preamp Factor dB 41.68	z) Level dBuV/m 36.09	Limit Line dBuV/m 74.00	Over Limit	5000 Remar 	6000
20 10	1200 Freq MHz 2184.107	1500 Read/ Level dBuV 46.40	2 Antenna Factor dB/m 26.88	2000 Freq Cable Loss dB 4.49	uency (MHz Preamp Factor dB 41.68	z) Level dBuV/m 36.09 26.51	Limit Line dBuV/m 74.00 54.00 74.00	Over Limit -37.91 -27.49 -34.33	5000 Remar Peak Avera Peak	6000 k
20 10 0 1000 	1200 Freq MHz 2184.107 2184.107	1500 Read/ Level dBuV 46.40 36.82	2 Antenna Factor 	2000 Freq Cable Loss dB 4.49 4.49	uency (MH; Preamp Factor dB 41.68 41.68 41.36	z) Level dBuV/m 36.09 26.51 39.67	Limit Line dBuV/m 74.00 54.00 74.00	Over Limit -37.91 -27.49 -34.33	5000 Remar Peak Avera Peak	6000
20 10 0 1000 1000	1200 Freq MHz 2184.107 2184.107 3406.085	1500 Read/ Level dBuV 46.40 36.82 46.55	2 Antenna Factor dB/m 26.88 28.85 28.85 31.61	2000 Freq Cable Loss dB 4.49 4.49 5.63	uency (MH) Preamp Factor dB 41.68 41.68 41.36 41.36	z) Level dBuV/m 36.09 26.51 39.67 30.09 44.84	Limit Line dBuV/m 74.00 54.00 74.00 54.00 74.00 74.00	Over Limit 	5000 Remar Peak Avera Peak Avera	6000 k
20 10 0 1000 	1200 Freq MHz 2184.107 2184.107 3406.085 3406.085	1500 Read/ Level dBuV 46.40 36.82 46.55 36.97	2 Antenna Factor dB/m 26.88 28.85 28.85 31.61	2000 Freq Cable Loss dB 4.49 4.49 5.63 5.63	uency (MH) Preamp Factor dB 41.68 41.68 41.36 41.36 41.36 41.82	z) Level dBuV/m 36.09 26.51 39.67 30.09 44.84	Limit Line dBuV/m 74.00 54.00 74.00 54.00 74.00 74.00	Over Limit -37.91 -27.49 -34.33 -23.91	5000 Remar Peak Avera Peak Avera Peak	6000 k uge