

FCC SDoC REPORT

ISED ICES-003 TEST REPORT

Test Report No. : T201030E02-F
Applicant : COMPAL ELECTRONICS, INC.
Address : No.581 & 581-1, Ruiguang Rd., Neihu District, Taipei City 11492, Taiwan
Manufacturer : Please refer to report page 4.
Address : Please refer to report page 4.
Equipment Under Test (EUT) :
Product Name : Notebook Computer
Brand Name :  , HP, HP Inc.
Model No. : HSN-C11C
Added Model(s) : N/A
Standards : FCC Part 15 Subpart B, Class B
 ISED ICES-003 Issue 6: 2016, Class B
Date of Sample Receipt : Nov. 04, 2020
Date of Test : Nov. 04 ~ 06, 2020
Date of Issue : Nov. 30, 2020

Test Result :	PASS
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In the configuration tested, the EUT complied with the standards specified above.

Remarks :

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. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of Compliance Certification Services Inc. or testing done by Compliance Certification Services Inc. in connection with distribution or use of the product described in this report must be approved by Compliance Certification Services Inc. in writing.

Approved By:



Date:

Nov. 30, 2020



Hex Chiang (Asst. Section Manager)

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Revision History

Revision	Description	Issue Date	Remark
00	Original	Nov. 30, 2020	T201030E02-F

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1. General Information

1.1 Applicant & Manufacturer Information

Applicant	: COMPAL ELECTRONICS, INC.
Address	: No.581 & 581-1, Ruiguang Rd., Neihu District, Taipei City 11492, Taiwan
Manufacturer	: 1. COMPAL INFORMATION (KUNSHAN) CO., LTD. 2. COMPAL ELECTRONICS TECHNOLOGY (KUNSHAN) CO., LTD. 3. ECMMS S A DE C V 4. COMPAL DIGITAL TECHNOLOGY (KUNSHAN) CO., LTD. 5. COMPALEAD ELETRÔNICA DO BRASIL INDÚSTRIA E COMÉRCIO LTDA 6. COMPAL (Vietnam) CO., LTD. 7. COMPAL ELECTRONICS (CHENGDU) CO., LTD. 8. COMPAL ELECTRONICS (CHONGQING) CO., LTD. 9. FOXCONN CMMSG INDUSTRIA DE ELECTRONICOS LTDA.
Address	: 1. NO. 15, THIRD AVENUE, A ZONE, KUNSHAN COMPREHENSIVE FREETRADE ZONE, KUNSHAN, JIANGSU CHINA 2. NO. 25, THIRD AVENUE, A ZONE, KUNSHAN COMPREHENSIVE FREETRADE ZONE, KUNSHAN, JIANGSU CHINA 3. BLVD OSCAR FLORES SANCHEZ 8951, COL PUENTE ALTO, 32690 JUAREZ CHIH MEXICO 4. NO.9, SECOND AVENUE, A ZONE, KUNSHAN COMPREHENSIVE FREE TRADE ZONE, KUNSHAN, JIANGSU CHINA 5. RUA KANEBO 175, GALPÕES C1, C2, C3, C4, C5 C6 E C12, BAIRRO DISTRITO INDUSTRIAL JUNDIAÍ BUSINESS PARK, CEP 13213-090, JUNDIAÍ - SÃO PAULO BRASIL 6. Ba Thien 1 Industrial Zone, Binh Xuyen District, Vinh Phuc Province, Vietnam 7. NO. 88, SEC.1, ZONGBAO AVENUE, CHENGDU HI-TECH COMPREHENSIVE BONDED ZONE (SHUANGLIU), SHUANGLIU COUNTY, CHENGDU CITY, SICHUAN CHINA 8. NO. D01, ZONE D, AIR PORT SECTION OF LIANGLU CUNTAN FREETRADE PORT AREA, YUBEI DISTRICT, CHONGQING CHINA 9. AV. MARGINAL RODOVIA DOS BANDEIRANTES, 800 BAIRRO ENGORDADOURO, JUNDIAI - SP - BRAZIL

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1.2 General Description of EUT

Product Name : Notebook Computer

Brand Name :  , HP, HP Inc.

Model No. : HSN-C11C

Added Model(s) : N/A

Variant Description : N/A

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1.3 Details of EUT

Power Supply	AC 100~240V	
Highest operate description	5.8GHz	
Power Adapter	Chicony	TPN-CA10
		TPN-CA21
	Lite-On	TPN-LA12
	Artesyn	TPN-TA02
	Delta	TPN-DA20
	Honor	TPN-HA01
Adapter Power Rating	For TPN-CA10 ; TPN-LA12 ; TPN-HA01 I/P: 100-240Vac, 50-60Hz, 1.6A O/P: 5Vdc, 3A / 9Vdc, 3A / 12Vdc, 5A / 15Vdc, 4.33A / 20Vdc, 3.25A	
	For TPN-CA21 ; TPN-DA20 I/P: 100-240Vac, 50-60Hz, 1.7A O/P: 5Vdc, 3A / 9Vdc, 3A / 12Vdc, 5A / 15Vdc, 4.33A / 20Vdc, 3.25A	
	For TPN-TA02 I/P: 100-240Vac, 50/60Hz, 1.6A O/P: 5Vdc, 3A / 9Vdc, 3A / 12Vdc, 5A / 15Vdc, 4.33A / 20Vdc, 3.25A	
AC Power Cord Type	Shielded, 1.8m (Detachable) to Power Adapter	
DC Power Cable Type	For Type C Shielded, 1.8m (Non-detachable) to power Adapter	
Memory (On board)	LPDDR4 4266MHz (16GB/32GB)	
Main Board	Compal	LA-K711P
CPU	Intel	i3-1115G4 (3GHz)
		i3-1125G4 (2GHz)
		i5-1135G7 (2.4GHz)
		i5-1145G7 (2.6GHz)
		i7-1165G7 (2.8GHz)
		i7-1185G7 (3GHz)
13" Panel	IVO	M130NW42
		M130NV42
	AUO	B130KAN01.0
Touch Panel	LAIBAO	ST129FN001AKM
		ST130FN002AKM
		ST130FN003AKM

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Touch Panel	TPK	T08ALO12901HA
		T08ALO13003HA
Touch Control Board	Wacom	CCB-142-01X
M.2 SSD	Hynix	HFM128GD3JX013N (128GB)
		HFS256GD9TNG-L2A0A (256GB)
		HFS256GDE9X073N (256GB)
		HFM256GD3JX013N (256GB)
		HFS512GD9TNG-L2A0A (512GB)
		HFS512GDE9X073N (512GB)
		HFM512GDJTN1-82A0A (512GB)
		HFM512GD3JX013N (512GB)
		HFS001TD9TNG-L2A0A (1TB)
		HFS001TDE9X073N (1TB)
	Samsung	MZVLQ128HBHQ-000H1 (128GB)
		MZVLB256HBHQ-000H1 (256GB)
		MZVLQ256HAJD-000H1 (256GB)
		MZVLB256HBHQ-000H7 (256GB)
		MZVLB512HBJQ-000H1 (512GB)
		MZVLQ512HALU-000H1 (512GB)
		MZVLB512HBJQ-000H7 (512GB)
		MZVLB1T0HBLR-000H1 (1TB)
		MZVLB2T0HALB-000H1 (2TB)
	Western Digital	SDAPNUW-128G-1006 (128GB)
		SDBPNTY-256G-1006 (256GB)
		SDBPNPZ-256G-1006 (256GB)
		SDBQNTY-256G-1006 (256GB)
		SDBPNTY-512G-1006 (512GB)
		SDBPNPZ-512G-1006 (512GB)
		SDBQNTY-512G-1006 (512GB)
		SDBPNTY-1T00-1006 (1TB)
		SDBPNTZ-2T00-1106 (2TB)

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M.2 SSD	Micron	MTFDHBA256TDV-1AY1AABHA (256GB)
		MTFDHBA512TDV-1AZ1AABHA (512GB)
		MTFDHBA512QFD-1AX1AABHA (512GB)
		MTFDHBA1T0TDV-1AZ1AABHA (1TB)
	Kioxia	KBG40ZNV128G (128GB)
		KXG60ZNV256G (256GB)
		KBG40ZNV256G (256GB)
		KXG6AZNV256G (256GB)
		KXG60ZNV512G (512GB)
		KBG40ZNV512G (512GB)
		KXG6AZNV512G (512GB)
		KXG60ZNV1T02 (1TB)
	Intel (C6)	SSDPEKNW512G8H (512GB)
		HBRPEKNX0202AH (512GB)
	SSSTC	CL1-8D128-HP (128GB)
WLAN (On board)	Intel	AX201.D2W
WWAN	Fibocom	L850-GL
Rear Camera (8M)	Luxvisions	7BA805T2B
	TFC	YHCY
Front Camera (2M)	Luxvisions	8BF206T2
	TFC	YHCB
Battery Pack	Dynapack	TPN-DB0G
Keyboard	Primax	HSN-P02K
HP ACTIVE PEN G2	Wacom	HSN-W001P

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Pre-test Mode

Mode	CPU	Adapter	MB	Memory	13" Panel	Touch Panel	Touch Control Board	M.2 SSD	WLAN Card	WWAN Card	Rear Camera (8M)	Front Camera (2M)	Battery	Keyboard	HP ACTIVE PEN G2
1	Intel i3-1115G4 (3GHz)	Chicony TPN-CA10	Compal LA-K711P	LPDDR4 4266MHz 16GB	IVO M130NW42	LAIBAO ST129FN001AKM	Wacom CCB-142-01X	Hylink HFM128G03JX013N (128GB)	Intel AX201.D2W	Fibocom L850-GL	Luxvisions 7BA805T2B	Luxvisions 8BF206T2	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
2	Intel i3-1125G4 (2GHz)	Chicony TPN-CA21	Compal LA-K711P	LPDDR4 4266MHz 32GB	IVO M130NV42	LAIBAO ST129FN001AKM	Wacom CCB-142-01X	Hylink HFS256GD9TNG-L2A0A (256GB)	Intel AX201.D2W	Fibocom L850-GL	TFC YHCY	TFC YHCY	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
3	Intel i5-1135G7 (2.4GHz)	Lite-On TPN-LA12	Compal LA-K711P	LPDDR4 4266MHz 16GB	AUO B130KAN01.0	LAIBAO ST130FN002AKM	Wacom CCB-142-01X	Hylink HFS256GD9X073N (256GB)	Intel AX201.D2W	Fibocom L850-GL	Luxvisions 7BA805T2B	Luxvisions 8BF206T2	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
4	Intel i5-1145G7 (2.6Hz)	Artesyn TPN-TA02	Compal LA-K711P	LPDDR4 4266MHz 32GB	IVO M130NW42	LAIBAO ST130FN003AKM	Wacom CCB-142-01X	Hylink HFM256G03JX013N (256GB)	Intel AX201.D2W	Fibocom L850-GL	TFC YHCY	TFC YHCY	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
5	Intel i7-1185G7 (2.8GHz)	Delta TPN-DA20	Compal LA-K711P	LPDDR4 4266MHz 16GB	IVO M130NV42	TPK T08ALO12901HA	Wacom CCB-142-01X	Hylink HFS512G03TNG-L2A0A (512GB)	Intel AX201.D2W	Fibocom L850-GL	Luxvisions 7BA805T2B	Luxvisions 8BF206T2	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
6	Intel i7-1185G7 (3GHz)	Honor TPN-HA01	Compal LA-K711P	LPDDR4 4266MHz 32GB	AUO B130KAN01.0	TPK T08ALO13003HA	Wacom CCB-142-01X	Hylink HFS512G09X073N (512GB)	Intel AX201.D2W	Fibocom L850-GL	TFC YHCY	TFC YHCY	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
7	Intel i3-1115G4 (3GHz)	Chicony TPN-CA10	Compal LA-K711P	LPDDR4 4266MHz 16GB	IVO M130NW42	LAIBAO ST129FN001AKM	Wacom CCB-142-01X	Hylink HFM512G0JTN1-82A0A (512GB)	Intel AX201.D2W	Fibocom L850-GL	Luxvisions 7BA805T2B	Luxvisions 8BF206T2	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
8	Intel i3-1125G4 (2GHz)	Chicony TPN-CA21	Compal LA-K711P	LPDDR4 4266MHz 32GB	IVO M130NV42	LAIBAO ST129FN001AKM	Wacom CCB-142-01X	Hylink HFM512G03JX013N (512GB)	Intel AX201.D2W	Fibocom L850-GL	TFC YHCY	TFC YHCY	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
9	Intel i5-1135G7 (2.4GHz)	Lite-On TPN-LA12	Compal LA-K711P	LPDDR4 4266MHz 16GB	AUO B130KAN01.0	LAIBAO ST130FN002AKM	Wacom CCB-142-01X	Hylink HFS001TD9TNG-L2A0A (1TB)	Intel AX201.D2W	Fibocom L850-GL	Luxvisions 7BA805T2B	Luxvisions 8BF206T2	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
10	Intel i5-1145G7 (2.6Hz)	Artesyn TPN-TA02	Compal LA-K711P	LPDDR4 4266MHz 32GB	IVO M130NW42	LAIBAO ST130FN003AKM	Wacom CCB-142-01X	Hylink HFS001TD9X073N (1TB)	Intel AX201.D2W	Fibocom L850-GL	TFC YHCY	TFC YHCY	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
11	Intel i7-1185G7 (2.8GHz)	Delta TPN-DA20	Compal LA-K711P	LPDDR4 4266MHz 16GB	IVO M130NV42	TPK T08ALO12901HA	Wacom CCB-142-01X	Samsung MZVLQ128BHQ-000H1 (128GB)	Intel AX201.D2W	Fibocom L850-GL	Luxvisions 7BA805T2B	Luxvisions 8BF206T2	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
12	Intel i7-1185G7 (3GHz)	Honor TPN-HA01	Compal LA-K711P	LPDDR4 4266MHz 32GB	AUO B130KAN01.0	TPK T08ALO13003HA	Wacom CCB-142-01X	Samsung MZVLB256BHQ-000H1 (256GB)	Intel AX201.D2W	Fibocom L850-GL	TFC YHCY	TFC YHCY	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
13	Intel i3-1115G4 (3GHz)	Chicony TPN-CA10	Compal LA-K711P	LPDDR4 4266MHz 16GB	IVO M130NW42	LAIBAO ST129FN001AKM	Wacom CCB-142-01X	Samsung MZVLQ0256HAJD-000H1 (256GB)	Intel AX201.D2W	Fibocom L850-GL	Luxvisions 7BA805T2B	Luxvisions 8BF206T2	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
14	Intel i3-1125G4 (2GHz)	Chicony TPN-CA21	Compal LA-K711P	LPDDR4 4266MHz 32GB	IVO M130NV42	LAIBAO ST129FN001AKM	Wacom CCB-142-01X	Samsung MZVLB256BHQ-000H7 (256GB)	Intel AX201.D2W	Fibocom L850-GL	TFC YHCY	TFC YHCY	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
15	Intel i5-1135G7 (2.4GHz)	Lite-On TPN-LA12	Compal LA-K711P	LPDDR4 4266MHz 16GB	AUO B130KAN01.0	LAIBAO ST130FN002AKM	Wacom CCB-142-01X	Samsung MZVLB512HBJQ-000H1 (512GB)	Intel AX201.D2W	Fibocom L850-GL	Luxvisions 7BA805T2B	Luxvisions 8BF206T2	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
16	Intel i5-1145G7 (2.6Hz)	Artesyn TPN-TA02	Compal LA-K711P	LPDDR4 4266MHz 32GB	IVO M130NW42	LAIBAO ST130FN003AKM	Wacom CCB-142-01X	Samsung MZVLQ0512HALU-000H1 (512GB)	Intel AX201.D2W	Fibocom L850-GL	TFC YHCY	TFC YHCY	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
17	Intel i7-1185G7 (3GHz)	Delta TPN-DA20	Compal LA-K711P	LPDDR4 4266MHz 16GB	IVO M130NV42	TPK T08ALO12901HA	Wacom CCB-142-01X	Samsung MZVLB512HBJQ-000H7 (512GB)	Intel AX201.D2W	Fibocom L850-GL	Luxvisions 7BA805T2B	Luxvisions 8BF206T2	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
18	Intel i7-1185G7 (3GHz)	Honor TPN-HA01	Compal LA-K711P	LPDDR4 4266MHz 32GB	AUO B130KAN01.0	TPK T08ALO13003HA	Wacom CCB-142-01X	Samsung MZVLB1T0HBLR-000H1 (1TB)	Intel AX201.D2W	Fibocom L850-GL	TFC YHCY	TFC YHCY	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
19	Intel i3-1115G4 (3GHz)	Chicony TPN-CA10	Compal LA-K711P	LPDDR4 4266MHz 16GB	IVO M130NW42	LAIBAO ST129FN001AKM	Wacom CCB-142-01X	Samsung MZVLB256BHQ-000H1 (2TB)	Intel AX201.D2W	Fibocom L850-GL	Luxvisions 7BA805T2B	Luxvisions 8BF206T2	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
20	Intel i3-1125G4 (2GHz)	Chicony TPN-CA21	Compal LA-K711P	LPDDR4 4266MHz 32GB	IVO M130NV42	LAIBAO ST129FN001AKM	Wacom CCB-142-01X	Western Digital SDAPNUW-128G-1006 (128GB)	Intel AX201.D2W	Fibocom L850-GL	TFC YHCY	TFC YHCY	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
21	Intel i5-1135G7 (2.4GHz)	Lite-On TPN-LA12	Compal LA-K711P	LPDDR4 4266MHz 16GB	AUO B130KAN01.0	LAIBAO ST130FN002AKM	Wacom CCB-142-01X	Western Digital SDBPNTY-256G-1006 (256GB)	Intel AX201.D2W	Fibocom L850-GL	Luxvisions 7BA805T2B	Luxvisions 8BF206T2	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
22	Intel i5-1145G7 (2.6Hz)	Artesyn TPN-TA02	Compal LA-K711P	LPDDR4 4266MHz 32GB	IVO M130NW42	LAIBAO ST130FN003AKM	Wacom CCB-142-01X	Western Digital SDBPNPZ-256G-1006 (256GB)	Intel AX201.D2W	Fibocom L850-GL	TFC YHCY	TFC YHCY	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
23	Intel i7-1185G7 (2.8GHz)	Delta TPN-DA20	Compal LA-K711P	LPDDR4 4266MHz 16GB	IVO M130NV42	TPK T08ALO12901HA	Wacom CCB-142-01X	Western Digital SDBONTY-256G-1006 (256GB)	Intel AX201.D2W	Fibocom L850-GL	Luxvisions 7BA805T2B	Luxvisions 8BF206T2	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
24	Intel i7-1185G7 (3GHz)	Honor TPN-HA01	Compal LA-K711P	LPDDR4 4266MHz 32GB	AUO B130KAN01.0	TPK T08ALO13003HA	Wacom CCB-142-01X	Western Digital SDBPNTY-512G-1006 (512GB)	Intel AX201.D2W	Fibocom L850-GL	TFC YHCY	TFC YHCY	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
25	Intel i3-1115G4 (3GHz)	Chicony TPN-CA10	Compal LA-K711P	LPDDR4 4266MHz 16GB	IVO M130NW42	LAIBAO ST129FN001AKM	Wacom CCB-142-01X	Western Digital SDBPNPZ-512G-1006 (512GB)	Intel AX201.D2W	Fibocom L850-GL	Luxvisions 7BA805T2B	Luxvisions 8BF206T2	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
26	Intel i3-1125G4 (2GHz)	Chicony TPN-CA21	Compal LA-K711P	LPDDR4 4266MHz 32GB	IVO M130NV42	LAIBAO ST129FN001AKM	Wacom CCB-142-01X	Western Digital SDBONTY-512G-1006 (512GB)	Intel AX201.D2W	Fibocom L850-GL	TFC YHCY	TFC YHCY	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
27	Intel i5-1135G7 (2.4GHz)	Lite-On TPN-LA12	Compal LA-K711P	LPDDR4 4266MHz 16GB	AUO B130KAN01.0	LAIBAO ST130FN002AKM	Wacom CCB-142-01X	Western Digital SDBPNTY-1T00-1006 (1TB)	Intel AX201.D2W	Fibocom L850-GL	Luxvisions 7BA805T2B	Luxvisions 8BF206T2	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
28	Intel i5-1145G7 (2.6Hz)	Artesyn TPN-TA02	Compal LA-K711P	LPDDR4 4266MHz 32GB	IVO M130NW42	LAIBAO ST130FN003AKM	Wacom CCB-142-01X	Western Digital SDBPNTZ-2T00-1106 (2TB)	Intel AX201.D2W	Fibocom L850-GL	TFC YHCY	TFC YHCY	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
29	Intel i7-1185G7 (2.8GHz)	Delta TPN-DA20	Compal LA-K711P	LPDDR4 4266MHz 16GB	IVO M130NV42	TPK T08ALO12901HA	Wacom CCB-142-01X	Micron MTFDHB4256TDV-1A1Y1ABHA (256GB)	Intel AX201.D2W	Fibocom L850-GL	Luxvisions 7BA805T2B	Luxvisions 8BF206T2	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
30	Intel i7-1185G7 (3GHz)	Honor TPN-HA01	Compal LA-K711P	LPDDR4 4266MHz 32GB	AUO B130KAN01.0	TPK T08ALO13003HA	Wacom CCB-142-01X	Micron MTFDHB4512TDV-1A2Y1ABHA (512GB)	Intel AX201.D2W	Fibocom L850-GL	TFC YHCY	TFC YHCY	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
31	Intel i3-1115G4 (3GHz)	Chicony TPN-CA10	Compal LA-K711P	LPDDR4 4266MHz 16GB	IVO M130NW42	LAIBAO ST129FN001AKM	Wacom CCB-142-01X	Micron MTFDHB4512QFD-1A2Y1ABHA (512GB)	Intel AX201.D2W	Fibocom L850-GL	Luxvisions 7BA805T2B	Luxvisions 8BF206T2	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
32	Intel i3-1125G4 (2GHz)	Chicony TPN-CA21	Compal LA-K711P	LPDDR4 4266MHz 32GB	IVO M130NV42	LAIBAO ST129FN001AKM	Wacom CCB-142-01X	Micron MTFDHB41T0TDV-1A2Y1ABHA (1TB)	Intel AX201.D2W	Fibocom L850-GL	TFC YHCY	TFC YHCY	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
33	Intel i5-1135G7 (2.4GHz)	Lite-On TPN-LA12	Compal LA-K711P	LPDDR4 4266MHz 16GB	AUO B130KAN01.0	LAIBAO ST130FN002AKM	Wacom CCB-142-01X	Kioxia KBG60ZNV128G (128GB)	Intel AX201.D2W	Fibocom L850-GL	Luxvisions 7BA805T2B	Luxvisions 8BF206T2	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
34	Intel i5-1145G7 (2.6Hz)	Artesyn TPN-TA02	Compal LA-K711P	LPDDR4 4266MHz 32GB	IVO M130NW42	LAIBAO ST130FN003AKM	Wacom CCB-142-01X	Kioxia KXG60ZNV256G (256GB)	Intel AX201.D2W	Fibocom L850-GL	TFC YHCY	TFC YHCY	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
35	Intel i7-1185G7 (2.8GHz)	Delta TPN-DA20	Compal LA-K711P	LPDDR4 4266MHz 16GB	IVO M130NV42	TPK T08ALO12901HA	Wacom CCB-142-01X	Kioxia KBG60ZNV256G (256GB)	Intel AX201.D2W	Fibocom L850-GL	Luxvisions 7BA805T2B	Luxvisions 8BF206T2	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
36	Intel i7-1185G7 (3GHz)	Honor TPN-HA01	Compal LA-K711P	LPDDR4 4266MHz 32GB	AUO B130KAN01.0	TPK T08ALO13003HA	Wacom CCB-142-01X	Kioxia KXG6AZNV256G (256GB)	Intel AX201.D2W	Fibocom L850-GL	TFC YHCY	TFC YHCY	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
37	Intel i3-1115G4 (3GHz)	Chicony TPN-CA10	Compal LA-K711P	LPDDR4 4266MHz 16GB	IVO M130NW42	LAIBAO ST129FN001AKM	Wacom CCB-142-01X	Kioxia KXG60ZNV512G (512GB)	Intel AX201.D2W	Fibocom L850-GL	Luxvisions 7BA805T2B	Luxvisions 8BF206T2	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P

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Mode	CPU	Adapter	MB	Memory	13" Panel	Touch Panel	Touch Control Board	M.2 SSD	WLAN Card	WWAN Card	Rear Camera (8M)	Front Camera (2M)	Battery	Keyboard	HP ACTIVE PEN G2
38	Intel i3-1125G4 (2GHz)	Chicony TPN-CA21	Compal LA-K711P	LPDDR4 4266MHz 32GB	IVO M130NV42	LAIBAO ST129FN001AKM	Wacom CCB-142-01X	Kioxia KBG40ZNV512G (512GB)	Intel AX201.D2W	Fibocom L850-GL	TFC YHCY	TFC YHCB	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
39	Intel i5-1135G7 (2.4GHz)	Lite-On TPN-LA12	Compal LA-K711P	LPDDR4 4266MHz 16GB	AUO B130KAN01.0	LAIBAO ST130FN002AKM	Wacom CCB-142-01X	Kioxia KXG6AZNV512G (512GB)	Intel AX201.D2W	Fibocom L850-GL	Luxvisions 7BA805T2B	Luxvisions 8BF206T2	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
40	Intel i5-1145G7 (2.6GHz)	Artesyn TPN-TA02	Compal LA-K711P	LPDDR4 4266MHz 32GB	IVO M130NV42	LAIBAO ST130FN003AKM	Wacom CCB-142-01X	Kioxia KXG60ZNV1T02 (1TB)	Intel AX201.D2W	Fibocom L850-GL	TFC YHCY	TFC YHCB	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
41	Intel i7-1165G7 (2.8GHz)	Delta TPN-DA20	Compal LA-K711P	LPDDR4 4266MHz 16GB	IVO M130NV42	TPK T08ALO12901HA	Wacom CCB-142-01X	Kioxia KXG60P0NV2T04 (2TB)	Intel AX201.D2W	Fibocom L850-GL	Luxvisions 7BA805T2B	Luxvisions 8BF206T2	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
42	Intel i7-1185G7 (3GHz)	Honor TPN-HA01	Compal LA-K711P	LPDDR4 4266MHz 32GB	AUO B130KAN01.0	TPK T08ALO13003HA	Wacom CCB-142-01X	Intel (C8) SSDPEKNW512GBH (512GB)	Intel AX201.D2W	Fibocom L850-GL	TFC YHCY	TFC YHCB	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
43	Intel i7-1185G7 (2.8GHz)	Chicony TPN-CA10	Compal LA-K711P	LPDDR4 4266MHz 16GB	IVO M130NV42	LAIBAO ST129FN001AKM	Wacom CCB-142-01X	Intel (C8) HBRPEKNX0202AH (512GB)	Intel AX201.D2W	Fibocom L850-GL	Luxvisions 7BA805T2B	Luxvisions 8BF206T2	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
44	Intel i7-1185G7 (3GHz)	Chicony TPN-CA21	Compal LA-K711P	LPDDR4 4266MHz 32GB	IVO M130NV42	LAIBAO ST129FN001AKM	Wacom CCB-142-01X	SSSTC CL1-8D128-HP (128GB)	Intel AX201.D2W	Fibocom L850-GL	TFC YHCY	TFC YHCB	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P
45	Intel i7-1185G7 (3GHz)	Chicony TPN-CA10	Compal LA-K711P	LPDDR4 4266MHz 16GB	AUO B130KAN01.0	TPK T08ALO13003HA	Wacom CCB-142-01X	Kioxia KBG40ZNV512G (512GB)	Intel AX201.D2W	Fibocom L850-GL	TFC YHCY	TFC YHCB	Dynapack TPN-DB0G	Primax HSN-P02K	Wacom HSN-W001P

1.4 The worst case of the EUT

EUT will be carried out in the worst case as followings:

Worst Case	
CE	Mode 45 (3000 x 2000 Resolution)
Below 1GHz RE	Mode 45 (3000 x 2000 Resolution)
Above 1GHz RE	Mode 45 (3000 x 2000 Resolution)

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1.5 Description of Support Units

Mode 45:

PRODUCT	MANUFACTURER	MODEL NO.	SERIAL NO.
LCD Monitor	ASUS	MX27U	N/A
LCD Monitor	ASUS	MX27U	N/A
Earphone	Lenovo	GS-4021M	57Y4488
SIM Card	VIBO	N/A	N/A
Notebook PC (Remote)	Lenovo	TP00096C	SPP0R39691
Wireless AP (Remote)	ASUS	RT-AX88U	L41THP000064
Universal Radio Communication (Remote)	R&S	CMW 500	N/A
GPS Simulator (Remote)	IFR	GPS-101	N/A

Support Equipment Used in Tested Cable

Mode 45:

Cable Type	Core	Length	Shielding/Non-shielding
Type C Cable (1)	N/A	1.0m	Shielding
Type C Cable (2)	N/A	1.0m	Shielding
DC Power Cable (Type C) (3)	N/A	1.8m	Shielding
Earphone Cable (4)	N/A	1.8m	Non-Shielding

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1.6 Operation Procedure

Mode 45:

1. Turn on the power of all equipment.
2. The EUT will reads/writes disk through "BurnIn Test" test software.
3. EUT execute the "BurnIn Test" test software to send "H" Pattern to display on the screen.
4. The EUT communicates with Notebook PC by Bluetooth radio.
5. The EUT communicates with Wireless AP by WIFI radio.
6. The EUT will receive the GPS signal source and sustained action.
7. The EUT will receive the RF signal source and sustained action.
8. Setup the condition for test mode and begin the test.

1.7 Modification List

No modification was made by Compliance Certification Services Inc..

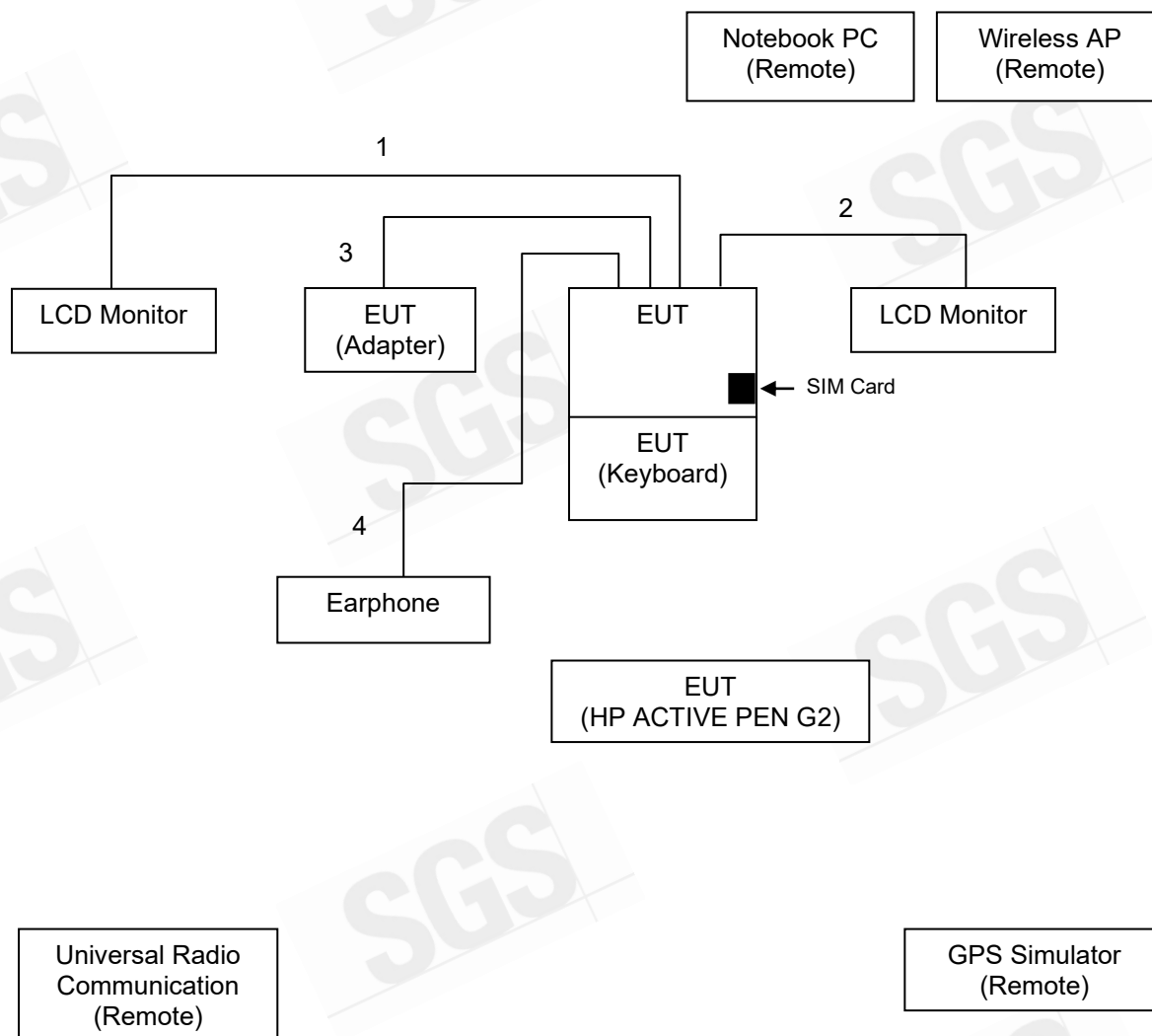
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1.8 Test Set-Up Configuration

Mode 45:



1.9 Accessories Cable List

See clause 1.3 of this report

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1.10 Measurement Procedure

Conducted Emission Testing was performed according to ANSI C63.4:2014 in a shielded room with peripherals placed on a table, 0.8m high over a metal floor. It was located more than required distance away from the shielded room wall.

Radiated Emission Testing was performed according to ANSI C63.4:2014 at the 3/10m semi-anechoic chamber. The EUT was placed on a 0.8m high table along with the peripherals. The turn table was placed 10m distance from the antenna. Cables were placed in a position to produce maximum emissions as determined by experimentation, and operation mode was selected for production of maximum emission.

The frequencies and amplitudes of maximum emission were measured at varying azimuths, antenna heights and antenna polarities. Maximum emission levels are then reported.

1.11 Standards Applicable for Testing

Tests to be carried out under FCC Part 15 Subpart B/CISPR 22

Test Standards	Status
FCC Part 15 Subpart B/CISPR 22	Applicable
Deviation from Standard	No deviation

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1.12 Decision Rules of Results

Reported measurement data comply with ANSI C63.4:2014.

Determining compliance shall be based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

1.13 Summary of Results

Standard	Test Type	Result
FCC Part 15 Subpart B, Class B	Conducted Emission	PASS
ISED ICES-003 Issue 6: 2016, Class B	Radiated Emission	PASS

1.14 Reporting Statements of Conformity

The conformity statement in this report is based solely on the test results, measurement uncertainty is excluded.

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2. EMISSION

2.1 Test Results

	Results
Conducted Emission	Pass
Radiated Emission	Pass

2.2 Frequency Range

FCC Part 15 Subpart B:

Conducted Emission : 150 kHz - 30 MHz

Radiated Emission : See below table

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)

Upper frequency of measurement range (MHz)

Below 1.705
1.705 - 108
108 - 500
500 - 1000
Above 1000

30
1000
2000
5000

5th harmonic of the highest frequency or
40 GHz, whichever is lower

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2.3 Limits of Conducted and Radiated Emission

2.3.1 Limits of Conducted Emission

FCC Part 15 Subpart B/CISPR 22:

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi - peak	Average	Quasi - peak	Average
0.15 - 0.5	79	66	66 - 56	56 - 46
0.50 - 5.0	73	60	56	46
5.0 - 30.0	73	60	60	50

Note : (1) The lower limit shall apply at the transition frequencies.

(2) The limit decreases linearly with the logarithm of the frequency in the range 0.15 to 0.50 MHz.

(3) All emanation from a class A/B digital device or system, including any network of conductors and apparatus connected there to, shall not exceed the level of field strengths specified above.

2.3.2 Limits of Radiated Emissions

FCC Part 15 Subpart B Limit:

- Detector Function : Quasi – Peak

FREQUENCY (MHz)	Class A (at 10m)	Class B (at 3m)
	dBuV/m	dBuV/m
30~88	39	40
88~216	43.5	43.5
216~960	46.4	46
960~1000	49.5	54

- Detector Function : Peak , Average

FREQUENCY (MHz)	Class A (dBuV/m) (at 3m)		Class B (dBuV/m) (at 3m)	
	Peak	Average	Peak	Average
Above 1000	69.5	49.5	74	54

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CISPR 22 Limit:

- Detector Function : Quasi – Peak

FREQUENCY (MHz)	Class A (at 10m)	Class B (at 10m)
	dBuV/m	dBuV/m
30~230	40	30
230~1000	47	37

NOTE 1 The lower limit shall apply at the transition frequency.

NOTE 2 Additional provisions may be required for cases where interference occurs.

FREQUENCY (GHz)	Class A (dBuV/m) (at 3m)		Class B (dBuV/m) (at 3m)	
	Average	Peak	Average	Peak
1~3	56	76	50	70
3~6	60	80	54	74

NOTE The lower limit applies at the transition frequency.

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2.4. Test of Conducted Emission

2.4.1 Test Equipments

Conducted_Emission Conducted Room No.B_EMC					
EQUIPMENT TYPE	Manufacturer	Model Number	Serial Number	Calibration Date	Calibration Due
Coaxial Cable	EMCI	EMCRG142	190809	09/19/2020	09/18/2021
EMI Test Receiver	R&S	ESCI	101073	07/01/2020	06/30/2021
LISN	Schwarzbeck	NSLK8128	5012	04/14/2020	04/13/2021
LISN	R&S	ENV216	101054	04/26/2020	04/25/2021
Software	CCS-3A1-CE				
Compliance Certification Services Inc. (Wugu Laboratory)					
No.139, Wugong Rd., Wugu Dist., New Taipei City, Taiwan (R.O.C.)					
Measurement Uncertainty of Conducted Emission					
Expanded uncertainty U _{lab} (K=2) of conducted emission is 3.14 dB					
Theory values uncertainty U _{cispr 16-4-2:2011+A1:2014} (K=2) of AC mains Conducted Emission is 3.44dB					

2.4.2 Measurement Level Calculation

Factor = LISN insertion loss + Cable loss + Pulse Limiter insertion loss

Measurement Level = Reading Level + Factor

Over (Margin) = Measurement Level – Limit

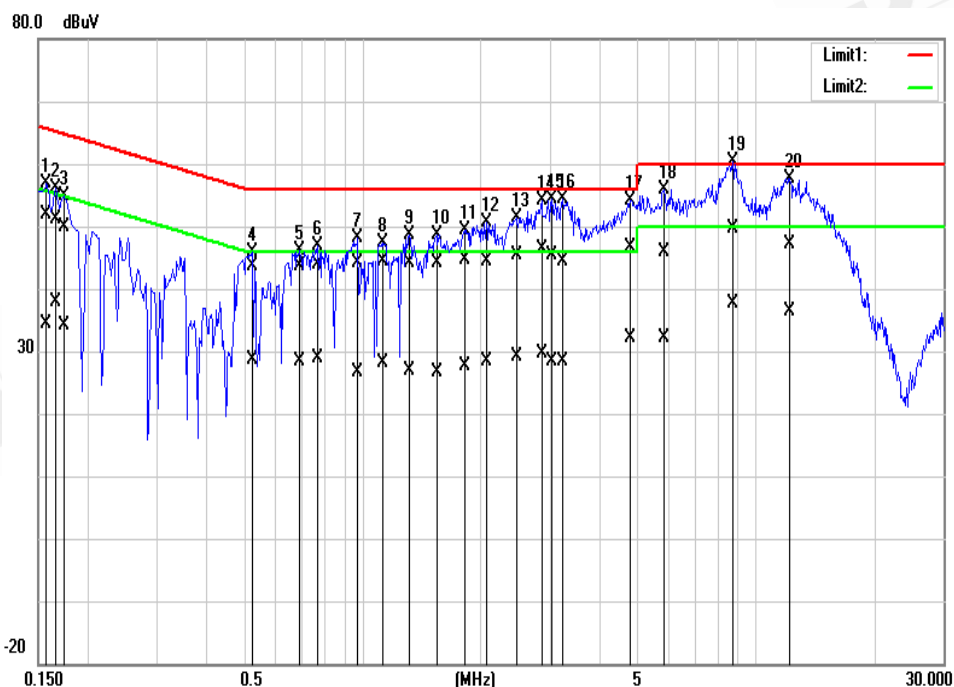
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2.4.3 Measurement Data:

Model no.	HSN-C11C	Line:	L1
Environmental Conditions	22°C, 52% RH	Tested Date	2020/11/04
Test Mode	Mode 45	Tested By	Thomas Liu
6dB Bandwidth	9 kHz	Identifier number	TCOP CE site 17



NO.	Frequency (MHz)	Quasi Peak reading (dBuV)	Average reading (dBuV)	Correction factor (dB)	Quasi Peak result (dBuV)	Average result (dBuV)	Quasi Peak limit (dBuV)	Average limit (dBuV)	Quasi Peak margin (dB)	Average margin (dB)	Remark
1	0.1580	42.09	24.66	9.68	51.77	34.34	65.56	55.57	-13.79	-21.23	Pass
2	0.1660	41.56	28.19	9.68	51.24	37.87	65.15	55.16	-13.91	-17.29	Pass
3	0.1740	40.09	24.47	9.68	49.77	34.15	64.76	54.77	-14.99	-20.62	Pass
4	0.5260	34.06	18.98	9.69	43.75	28.67	56.00	46.00	-12.25	-17.33	Pass
5	0.6900	33.82	18.57	9.69	43.51	28.26	56.00	46.00	-12.49	-17.74	Pass
6	0.7700	34.11	19.21	9.70	43.81	28.91	56.00	46.00	-12.19	-17.09	Pass
7	0.9740	34.34	16.94	9.70	44.04	26.64	56.00	46.00	-11.96	-19.36	Pass
8	1.1260	34.77	18.42	9.70	44.47	28.12	56.00	46.00	-11.53	-17.88	Pass
9	1.3220	34.55	17.15	9.70	44.25	26.85	56.00	46.00	-11.75	-19.15	Pass

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NO.	Frequency	Quasi Peak reading	Average reading	Correction factor	Quasi Peak result	Average result	Quasi Peak limit	Average limit	Quasi Peak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	(Pass/Fail)
10	1.5460	34.30	16.82	9.72	44.02	26.54	56.00	46.00	-11.98	-19.46	Pass
11	1.8220	34.87	18.01	9.72	44.59	27.73	56.00	46.00	-11.41	-18.27	Pass
12	2.0660	34.62	18.56	9.72	44.34	28.28	56.00	46.00	-11.66	-17.72	Pass
13	2.4660	35.60	19.32	9.73	45.33	29.05	56.00	46.00	-10.67	-16.95	Pass
14	2.8620	36.60	19.85	9.75	46.35	29.60	56.00	46.00	-9.65	-16.40	Pass
15	3.0260	35.72	18.61	9.75	45.47	28.36	56.00	46.00	-10.53	-17.64	Pass
16	3.2340	34.72	18.70	9.75	44.47	28.45	56.00	46.00	-11.53	-17.55	Pass
17*	4.7980	36.78	22.32	9.79	46.57	32.11	56.00	46.00	-9.43	-13.89	Pass
18	5.8460	36.00	22.33	9.80	45.80	32.13	60.00	50.00	-14.20	-17.87	Pass
19	8.7380	39.82	27.79	9.83	49.65	37.62	60.00	50.00	-10.35	-12.38	Pass
20	12.1899	37.36	26.40	9.88	47.24	36.28	60.00	50.00	-12.76	-13.72	Pass

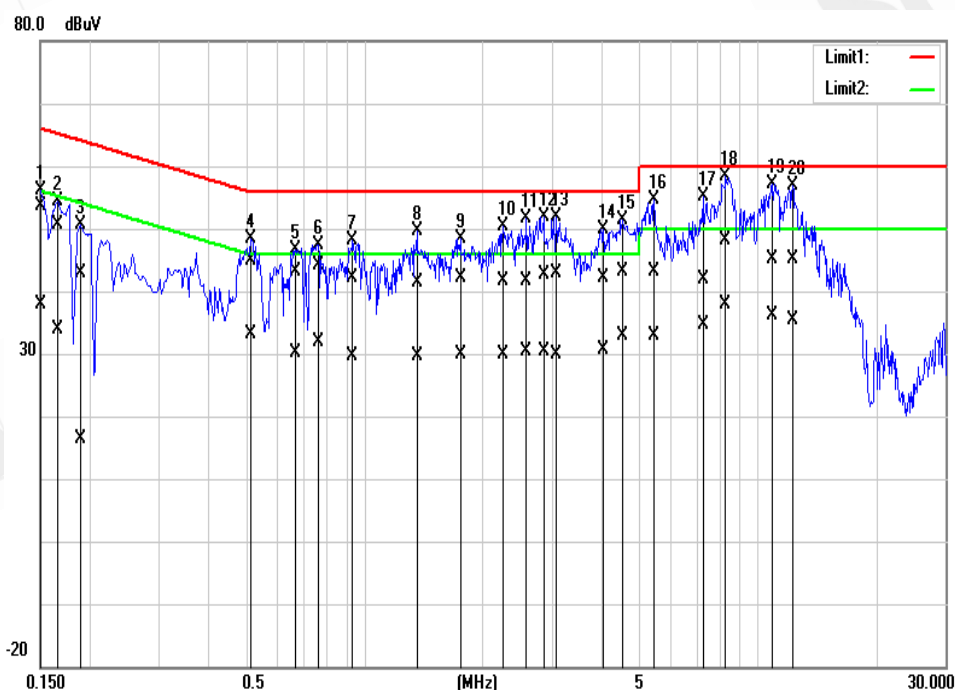
Note: L1 = Live Line

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Model no.	HSN-C11C	Line:	N
Environmental Conditions	22°C, 52% RH	Tested Date	2020/11/04
Test Mode	Mode 45	Tested By	Thomas Liu
6dB Bandwidth	9 kHz	Identifier number	TCOP CE site 17



NO.	Frequency	Quasi Peak reading	Average reading	Correction factor	Quasi Peak result	Average result	Quasi Peak limit	Average limit	Quasi Peak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	(Pass/Fail)
1	0.1500	43.81	28.21	9.74	53.55	37.95	65.99	56.00	-12.44	-18.05	Pass
2	0.1660	40.81	24.09	9.74	50.55	33.83	65.15	55.16	-14.60	-21.33	Pass
3	0.1900	33.18	6.55	9.74	42.92	16.29	64.03	54.04	-21.11	-37.75	Pass
4*	0.5140	35.14	23.43	9.75	44.89	33.18	56.00	46.00	-11.11	-12.82	Pass
5	0.6700	33.28	20.37	9.75	43.03	30.12	56.00	46.00	-12.97	-15.88	Pass
6	0.7660	34.32	22.05	9.77	44.09	31.82	56.00	46.00	-11.91	-14.18	Pass
7	0.9380	32.47	19.97	9.77	42.24	29.74	56.00	46.00	-13.76	-16.26	Pass
8	1.3660	31.51	19.88	9.77	41.28	29.65	56.00	46.00	-14.72	-16.35	Pass
9	1.7540	32.44	20.02	9.79	42.23	29.81	56.00	46.00	-13.77	-16.19	Pass
10	2.2500	31.76	20.01	9.79	41.55	29.80	56.00	46.00	-14.45	-16.20	Pass

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NO.	Frequency	Quasi Peak reading	Average reading	Correction factor	Quasi Peak result	Average result	Quasi Peak limit	Average limit	Quasi Peak margin	Average margin	Remark
	(MHz)	(dBuV)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dBuV)	(dBuV)	(dB)	(dB)	(Pass/Fail)
11	2.5860	31.90	20.69	9.80	41.70	30.49	56.00	46.00	-14.30	-15.51	Pass
12	2.8580	32.94	20.61	9.81	42.75	30.42	56.00	46.00	-13.25	-15.58	Pass
13	3.0900	33.06	20.09	9.82	42.88	29.91	56.00	46.00	-13.12	-16.09	Pass
14	4.0620	32.19	20.88	9.84	42.03	30.72	56.00	46.00	-13.97	-15.28	Pass
15	4.5380	33.29	23.06	9.85	43.14	32.91	56.00	46.00	-12.86	-13.09	Pass
16	5.4740	33.23	23.13	9.86	43.09	32.99	60.00	50.00	-16.91	-17.01	Pass
17	7.2580	31.94	24.72	9.89	41.83	34.61	60.00	50.00	-18.17	-15.39	Pass
18	8.2820	38.24	28.06	9.90	48.14	37.96	60.00	50.00	-11.86	-12.04	Pass
19	10.8580	35.28	26.11	9.95	45.23	36.06	60.00	50.00	-14.77	-13.94	Pass
20	12.2660	35.14	25.42	9.96	45.10	35.38	60.00	50.00	-14.90	-14.62	Pass

Note: N = Neutral Line

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2.5 Test of Radiated Emission

2.5.1 Test Equipments

Below 1GHz

Radiated_Below_1GHz 10m_EMC					
EQUIPMENT TYPE	Manufacturer	Model Number	Serial Number	Calibration Date	Calibration Due
Bilog Antenna	TESEQ	CBL 6112D	31674	02/20/2020	02/19/2021
Bilog Antenna	TESEQ	CBL 6112D	31675	03/09/2020	03/08/2021
Coaxial Cable	Huber+Suhner	SUCOFLEX 104PEA	330029	04/29/2020	04/28/2021
Coaxial Cable	Huber+Suhner	104PEA	33948/4PEA	04/29/2020	04/28/2021
Coaxial Cable	Huber+Suhner	104PEA	33949/4PEA	04/29/2020	04/28/2021
Coaxial Cable	Huber+Suhner	SUCOFLEX 104PEA	24813	04/29/2020	04/28/2021
EMI Test Receiver	R&S	ESCI	100961	06/08/2020	06/07/2021
EMI Test Receiver	R&S	ESCI	100962	06/12/2020	06/11/2021
Pre-Amplifier	HP	8447D	2944A07754	04/29/2020	04/28/2021
Pre-Amplifier	HP	8447D	2944A08150	04/29/2020	04/28/2021
AC POWER SOURE	APE	AFC-130	991259	N.C.R	N.C.R
Antenna Tower	CCS	CC-A-1F	N/A	N.C.R	N.C.R
Antenna Tower	CCS	CC-A-1F	N/A	N.C.R	N.C.R
Controller	CCS	CC-C-1F	N/A	N.C.R	N.C.R
Controller	CCS	CC-C-1F	N/A	N.C.R	N.C.R
Turn Table	CCS	CC-T-1F	N/A	N.C.R	N.C.R
Software	EZ-EMC (CCS-3A1RE)				
Compliance Certification Services Inc. (Wugu Laboratory)					
No.139, Wugong Rd., Wugu Dist., New Taipei City, Taiwan (R.O.C.)					
Measurement Uncertainty of Radiated Emission					
Expanded uncertainty U _{lab} (K=2) of radiated emission is 4.23 dB. (30MHz ~ 200MHz)					
Expanded uncertainty U _{lab} (K=2) of radiated emission is 4.13 dB. (200MHz ~ 1000MHz)					
Theory values uncertainty U _{cispr} 16-4-2:2011+A1:2014 (K=2) of radiated emission is 5.22 dB. (30MHz ~ 1000MHz)					

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Above 1GHz

Radiated_Above_1GHz 10m_EMC					
EQUIPMENT TYPE	Manufacturer	Model Number	Serial Number	Calibration Date	Calibration Due
Coaxial Cable	Huber+Suhner	SUCOFLEX 104PEA	329383	04/29/2020	04/28/2021
Coaxial Cable	Huber+Suhner	SUCOFLEX 104PEA	33945	04/29/2020	04/28/2021
Horn Antenna	ETS LINDGREN	3116	00026370	12/18/2019	12/17/2020
Horn Antenna	EMCO	3117	00055167	12/12/2019	12/11/2020
Pre-Amplifier	EMCI	EMC051845	980040	04/29/2020	04/28/2021
Pre-Amplifier	MITEQ	AMF-6F-18004000-37-8P	985646	09/02/2020	09/01/2021
Spectrum Analyzer	Agilent	E4446A	MY48250297	08/24/2020	08/23/2021
AC POWER SOURE	APE	AFC-130	991259	N.C.R	N.C.R
Antenna Tower	Sunol Sciences	TLT2	031010-5	N.C.R	N.C.R
Controller	Sunol Sciences	SC104V	031010-1	N.C.R	N.C.R
Turn Table	CCS	CC-T-1F	N/A	N.C.R	N.C.R
Software	EZ-EMC (CCS-3A1RE)				
Compliance Certification Services Inc. (Wugu Laboratory)					
No.139, Wugong Rd., Wugu Dist., New Taipei City, Taiwan (R.O.C.)					
Measurement Uncertainty of Radiated Emission					
Expanded uncertainty U _{lab} (K=2) of radiated emission is 4.89 dB. (1-6GHz)					
Expanded uncertainty U _{lab} (K=2) of radiated emission is 5.27 dB. (6-18GHz)					
Expanded uncertainty U _{lab} (K=2) of radiated emission is 4.13 dB. (18-26GHz)					
Expanded uncertainty U _{lab} (K=2) of radiated emission is 4.28 dB. (26-40GHz)					
Theory values uncertainty U _{cispr} 16-4-2:2011+A1:2014 (K=2) of Irradiated emission measurement is 5.18 dB.(1-6GHz)					
Theory values uncertainty U _{cispr} 16-4-2:2011+A1:2014 (K=2) of Irradiated emission measurement is 5.48 dB.(6-18GHz)					
Theory values uncertainty U _{cispr} 16-4-2:2011+A1:2014 (K=2) of Irradiated emission measurement is ---- dB.(18-26GHz)					
Theory values uncertainty U _{cispr} 16-4-2:2011+A1:2014 (K=2) of Irradiated emission measurement is ---- dB.(26-40GHz)					

2.5.2 Measurement Level Calculation

Correction Factor = Antenna Factor + Cable loss - Amplifier Gain

Measurement Level = Reading Level + Correction Factor

Over (Margin) = Measurement Level – Limit

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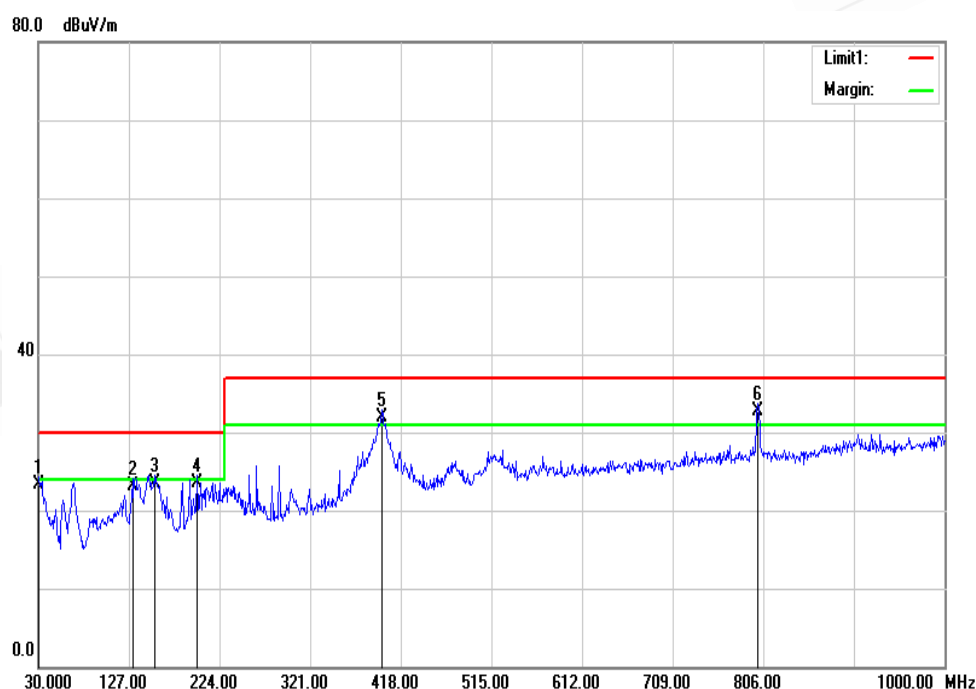
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2.5.3 Measurement Data

Below 1GHz

Model no.	HSN-C11C	Test Mode	Mode 45
Environmental Conditions	23°C, 58% RH	Tested Date	2020/11/06
Antenna Pole	Vertical	Antenna Distance	10m
Detector Function	Quasi-peak.	Tested By	Rex Kuo
6dB Bandwidth	120 kHz	Identifier number	TCOP RE site 17



No.	Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (°)	Remark
1	30.9700	26.05	-2.83	23.22	30.00	-6.78	299	52	QP
2	130.8800	31.24	-8.09	23.15	30.00	-6.85	124	360	QP
3	154.1600	32.44	-8.87	23.57	30.00	-6.43	100	34	QP
4	199.7500	32.66	-9.10	23.56	30.00	-6.44	100	238	QP
5	397.6300	33.52	-1.71	31.81	37.00	-5.19	299	327	QP
6	800.1800	28.60	4.04	32.64	37.00	-4.36	358	360	QP

REMARKS:

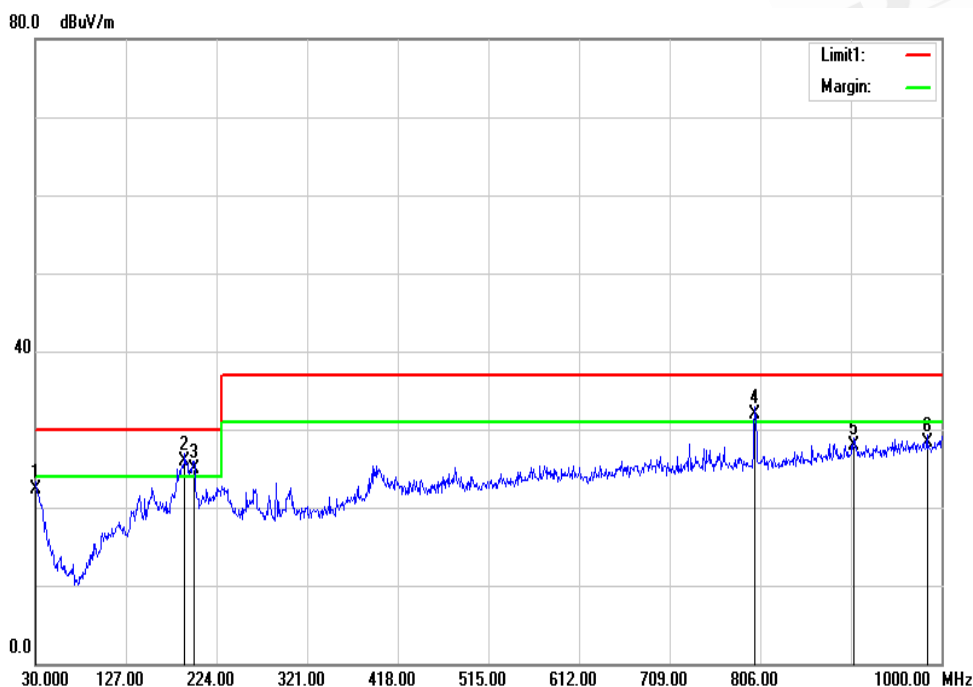
1. The other emission levels were very low against the limit.
2. 30MHz to 1000MHz test is Applicable CISPR 22 standard.

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Model no.	HSN-C11C	Test Mode	Mode 45
Environmental Conditions	23°C, 58% RH	Tested Date	2020/11/06
Antenna Pole	Horizontal	Antenna Distance	10m
Detector Function	Quasi-peak.	Tested By	Rex Kuo
6dB Bandwidth	120 kHz	Identifier number	TCOP RE site 17



No.	Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (°)	Remark
1	30.9700	25.88	-3.49	22.39	30.00	-7.61	200	305	QP
2	190.0500	36.75	-10.92	25.83	30.00	-4.17	399	360	QP
3	199.7500	35.34	-10.45	24.89	30.00	-5.11	399	360	QP
4	800.1800	30.20	1.66	31.86	37.00	-5.14	100	355	QP
5	905.9100	24.62	3.34	27.96	37.00	-9.04	100	67	QP
6	984.4800	23.79	4.58	28.37	37.00	-8.63	300	188	QP

REMARKS:

1. The other emission levels were very low against the limit.
2. 30MHz to 1000MHz test is Applicable CISPR 22 standard.

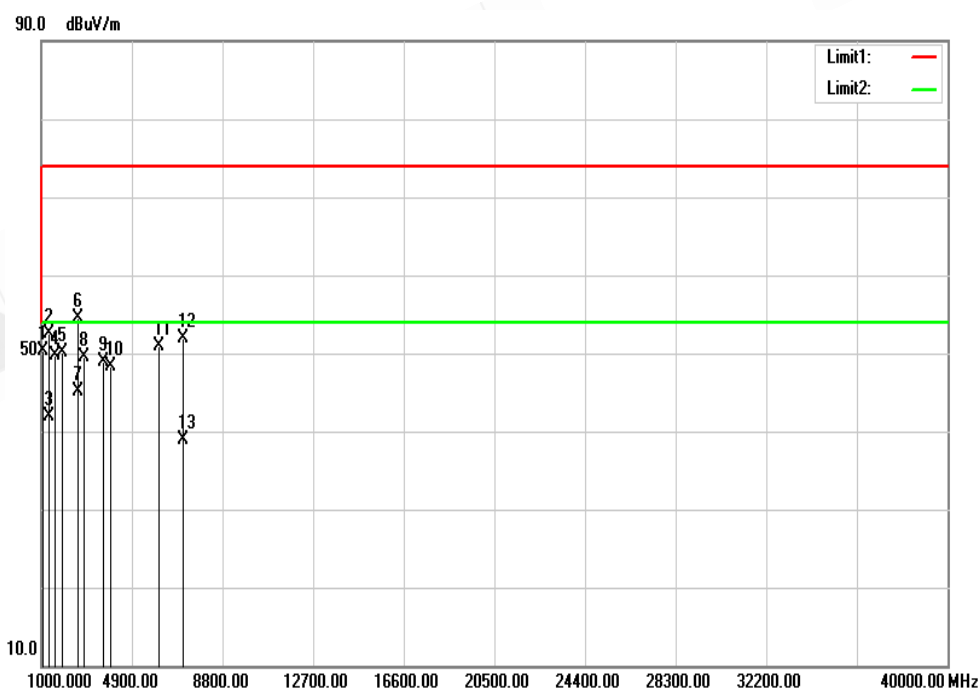
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Above 1GHz

Model no.	HSN-C11C	Test Mode	Mode 45
Environmental Conditions	23°C, 58% RH	Tested Date	2020/11/06
Antenna Pole	Vertical	Antenna Distance	3m
Highest frequency generated or used	5.8GHz	Upper frequency	29GHz
Detector Function	Peak & Average.	Tested By	Rex Kuo
6dB Bandwidth	1 MHz	Identifier number	TCOP RF site 17



No.	Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (°)	Remark
1	1042.500	70.26	-19.88	50.38	74.00	-23.62	200	241	peak
2	1323.000	71.23	-18.68	52.55	74.00	-21.45	100	213	peak
3	1323.000	60.52	-18.68	41.84	54.00	-12.16	100	213	AVG
4	1569.500	68.31	-18.64	49.67	74.00	-24.33	200	241	peak
5	1875.500	66.32	-16.18	50.14	74.00	-23.86	100	284	peak
6	2530.000	68.51	-14.06	54.45	74.00	-19.55	200	217	peak
7	2530.000	59.23	-14.06	45.17	54.00	-8.83	200	217	AVG
8	2827.500	62.62	-13.06	49.56	74.00	-24.44	100	253	peak
9	3626.500	60.21	-11.27	48.94	74.00	-25.06	200	257	peak

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No.	Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (°)	Remark
10	4000.500	59.60	-11.24	48.36	74.00	-25.64	100	182	peak
11	6032.000	55.85	-5.04	50.81	74.00	-23.19	300	359	peak
12	7052.000	55.57	-3.58	51.99	74.00	-22.01	117	0	peak
13	7052.000	42.42	-3.58	38.84	54.00	-15.16	117	0	AVG

REMARKS:

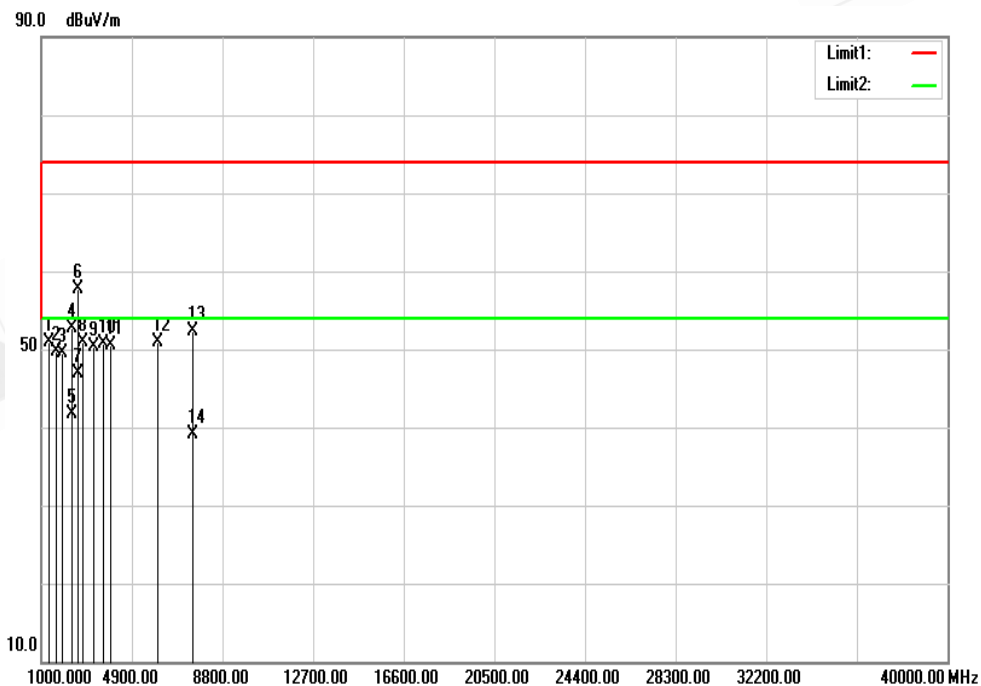
1. The other emission levels were very low against the limit.
2. Margin (dB) = Result (dBuV/m) – Limit (dBuV/m)

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Model no.	HSN-C11C	Test Mode	Mode 45
Environmental Conditions	23°C, 58% RH	Tested Date	2020/11/06
Antenna Pole	Horizontal	Antenna Distance	3m
Highest frequency generated or used	5.8GHz	Upper frequency	29GHz
Detector Function	Peak & Average.	Tested By	Rex Kuo
6dB Bandwidth	1 MHz	Identifier number	TCOP RF site 17



No.	Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (°)	Remark
1	1323.000	69.67	-18.68	50.99	74.00	-23.01	200	200	peak
2	1603.500	68.34	-18.63	49.71	74.00	-24.29	300	198	peak
3	1875.500	65.75	-16.18	49.57	74.00	-24.43	200	200	peak
4	2300.500	67.08	-14.38	52.70	74.00	-21.30	100	189	peak
5	2300.500	56.12	-14.38	41.74	54.00	-12.26	100	189	AVG
6	2547.000	71.83	-14.03	57.80	74.00	-16.20	100	292	peak
7	2547.000	60.92	-14.03	46.89	54.00	-7.11	100	292	AVG
8	2776.500	64.13	-13.24	50.89	74.00	-23.11	300	213	peak
9	3261.000	62.49	-12.17	50.32	74.00	-23.68	200	192	peak

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No.	Frequency (MHz)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (°)	Remark
10	3626.500	62.02	-11.27	50.75	74.00	-23.25	200	192	peak
11	4000.500	61.80	-11.24	50.56	74.00	-23.44	100	204	peak
12	6023.500	55.96	-5.05	50.91	74.00	-23.09	100	357	peak
13	7485.500	56.41	-4.14	52.27	74.00	-21.73	234	360	peak
14	7485.500	43.24	-4.14	39.10	54.00	-14.90	234	360	AVG

REMARKS:

1. The other emission levels were very low against the limit.
2. Margin (dB) = Result (dBuV/m) – Limit (dBuV/m)

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3. Photographs of Test

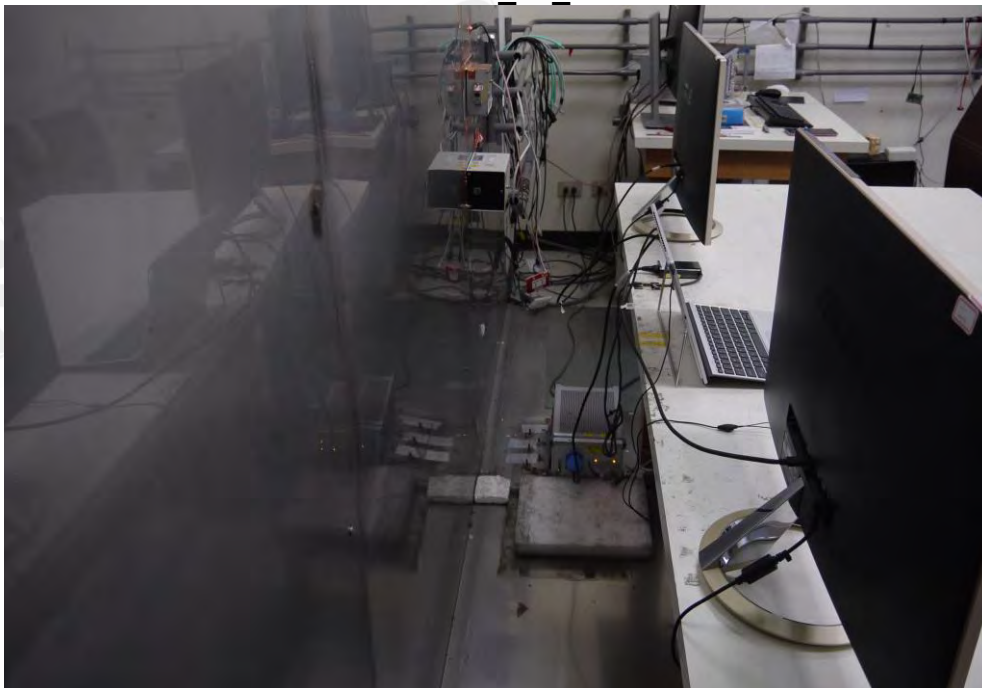
CE Testing Set-up

Model No.: HSN-C11C

Mode_45_+



Mode_45_-



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RE Testing Set-up

Below 1GHz

Model No.: HSN-C11C

Mode 45 +



Mode 45 -



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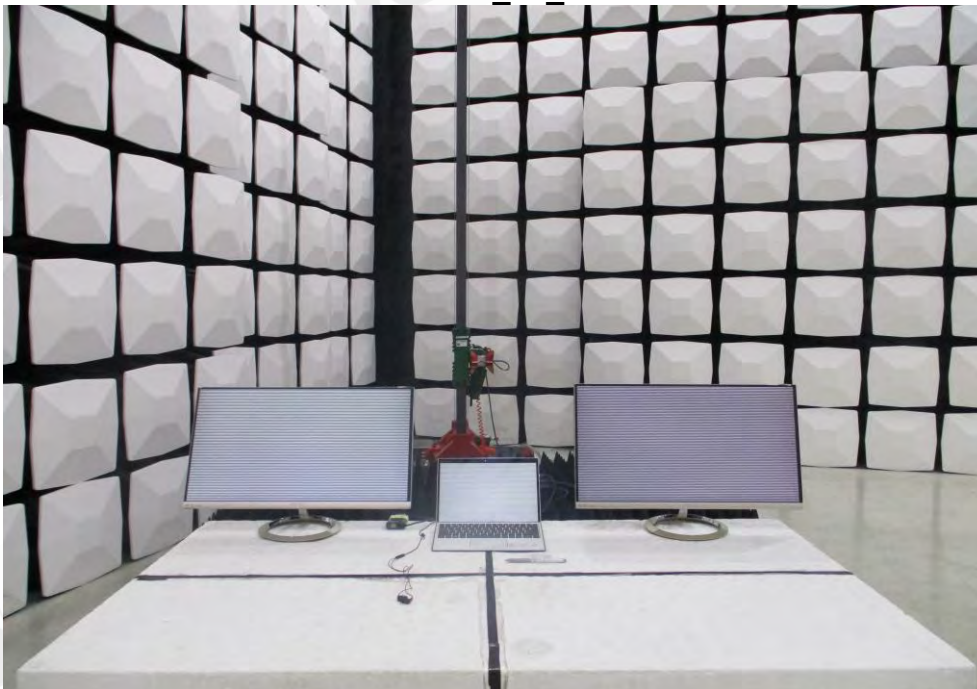
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Above 1GHz

Model No.: HSN-C11C

Mode_45_+



Mode_45_-



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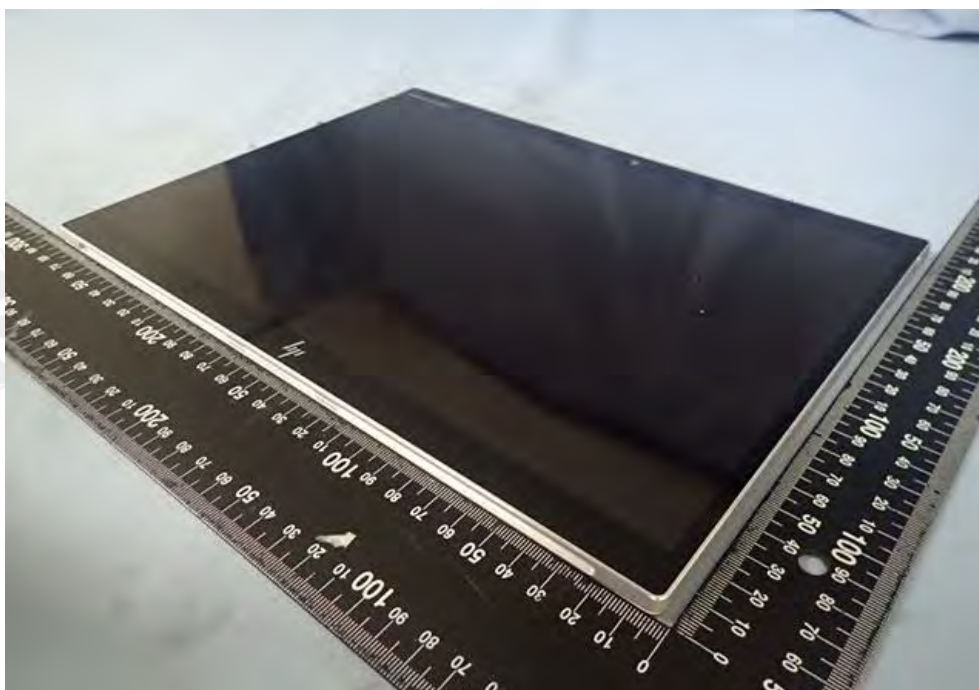
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4. Photographs of Product

Exterior

Model No.: HSN-C11C



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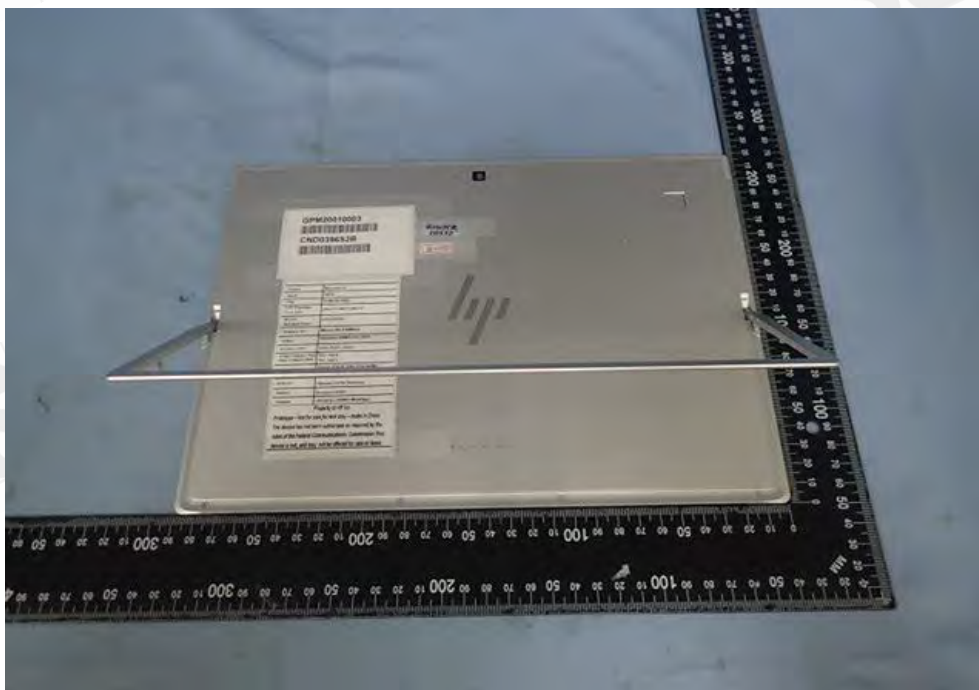
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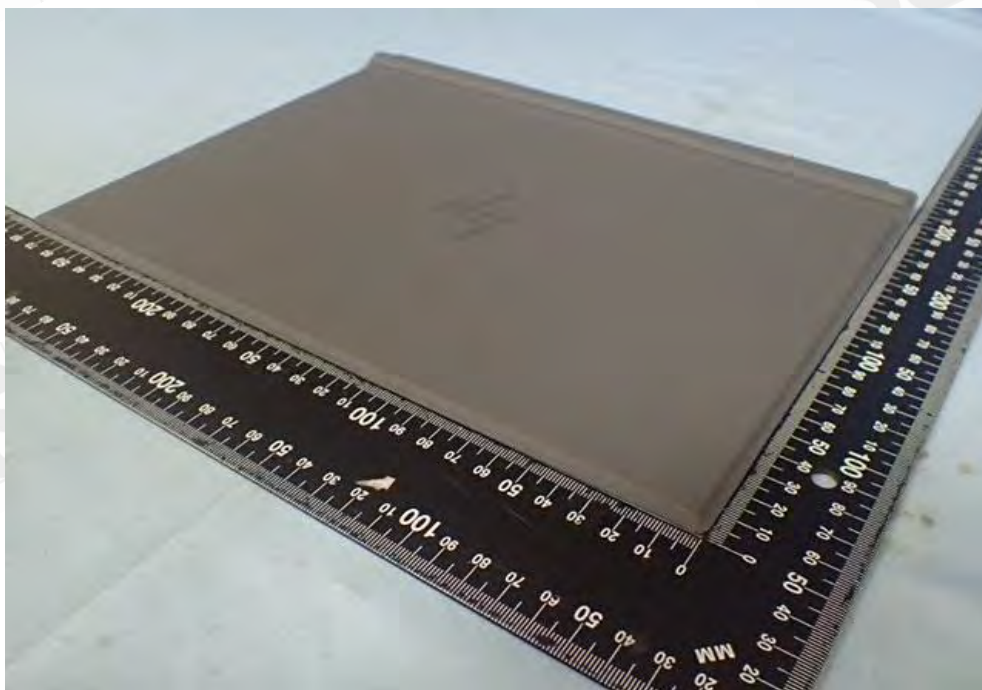
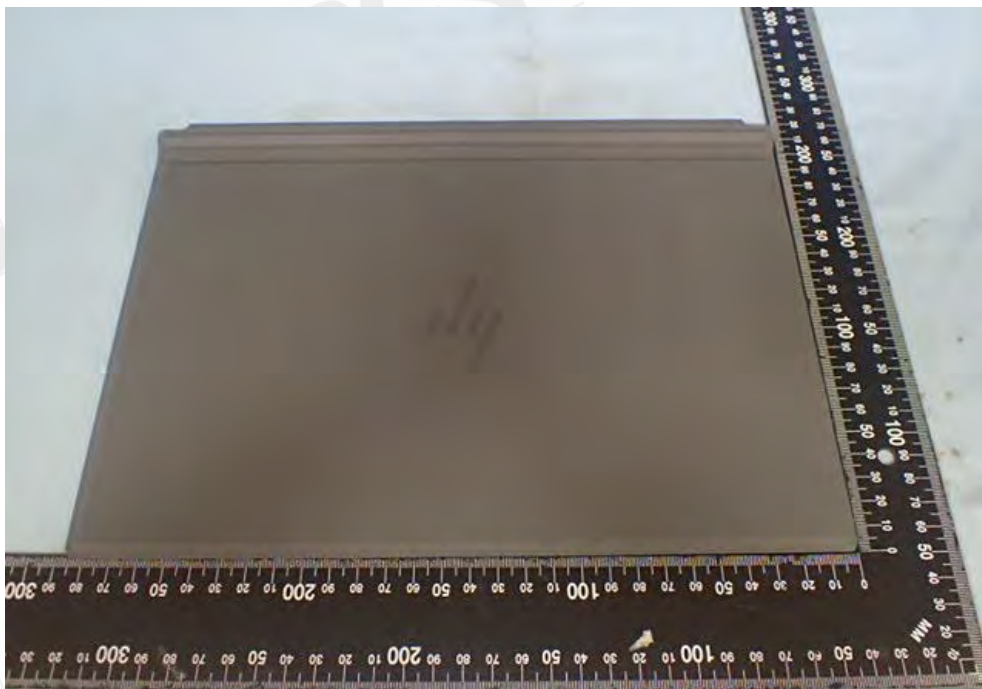
Keyboard Model No.: HSN-P02K



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HP ACTIVE PEN G2 Model No.: HSN-W001P



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Adapter Model No.: TPN-CA10



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Adapter Model No.: TPN-CA21



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Adapter Model No.: TPN-LA12



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Adapter Model No.: TPN-TA02



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Adapter Model No.: TPN-DA20



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Adapter Model No.: TPN-HA01



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