

Revision History

The Revision history of this test report is shown below.

Revision	Report No.	Date of Issue	Description
0	EFC-2023-000008	2023.11.15	Initial

CONTENTS

1. General Information	4
1.1. Testing Laboratory	4
1.2. Applicant Information	4
1.3. Manufacturer Information	4
1.4. Other Information	4
2. Equipment Under Test(EUT)	5
2.1. EUT Information	5
2.2. Description of Test Mode	5
2.3. Supporting Equipment	5
2.4. Input / Output Ports	5
2.5. EUT Internal Clock Frequency or Oscillator Frequency	5
2.6. Equipment Description	6
3. Summary of Test Results	7
3.1. Measurement Uncertainty	7
4. Test Result	8
4.1. Conducted Emission	8
4.2. Radiated Emission(Below 1 GHz)	13
4.3. Radiated Emission(Below 1 GHz)	17
5. Photo of EUT	22

1. General Information

1.1. Testing Laboratory

Laboratory	KOREA TESTING & RESEARCH INSTITUTE
Address	98, Gyoyukwon-ro, Gwacheon-si, Gyeonggi-do, 13810, Korea
Phone No	+ 82-2-2164-0011
Fax No.	+ 82-2-2634-1008
Accreditations	KOLAS : KT011, KC : J, VCCI Reg. : C-2363, R-2183 KCC & FCC : KR0030(Designation), FCC : 503434(Registration)

1.2. Applicant Information

Applicant(Company)	YOUNGONE CORPORATION
Address	25, Namdongseo-ro 362beon-gil, Namdong-gu, Incheon, Republic of Korea
Contact Person	Name : Jung, Sang Min // E-mail : sangmin.jung@aquadream.co.kr Phone No. : +82-32-813-2830

1.3. Manufacturer Information

Same as the application information

1.4. Other Information

Not Applicable

2.1. EUT Information

2.2. Description of Test Mode

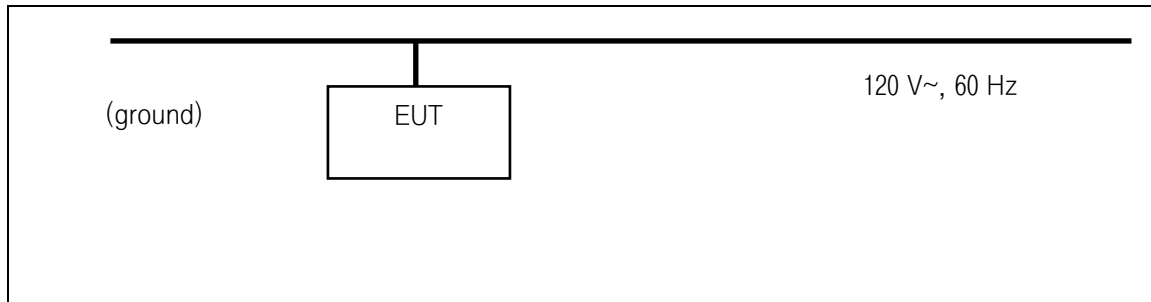
2.3. Supporting Equipment

2.4. Input / Output Ports

2.5. EUT Internal Clock Frequency or Oscillator Frequency

No #	Frequency	Description
1	32.768 kHz	Internal Clock Frequency(MCU & CPU : RTC)
2	700 kHz	Internal Clock Frequency(CPU : Power Management)
3	24 MHz	Internal Clock Frequency(CPU : PLL, USB)
4	999 MHz	Internal Clock Frequency(CPU : Memory Interface)

2.6. Equipment Description



3. Summary of Test Results

FCC Part 15 Subpart B		
Section	Test Item	Result
§ 15.107	Conducted Emission	C
§ 15.109	Radiated Emission	C
Notes : 1. C = Comply N/C = Not Comply N/T = Not Tested N/A = Not Applicable		

3.1. Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.4-2014.

All measurement uncertainty values are shown with a coverage factor of $k = 2$ to indicated a 95 % level of confidence. The measurement data shown herein meets or exceeds the U_{CISPR} measurement uncertainty values specified in CISPR 16-4-2 and thus, can be compared directly to specified limits to determined compliance.

Parameter	Expanded Uncertainty
Conducted Emissions(150 kHz ~ 30 MHz)	± 2.26 dB
Radiated Spurious Emissions(Below 1 GHz)	± 5.74 dB
Radiated Spurious Emissions(1 GHz ~ 6 GHz)	± 4.54 dB
Radiated Spurious Emissions(Above 6 GHz)	± 4.82 dB

4. Test Result

4.1. Conducted Emission

TEST : Limits of terminal disturbance voltages in the frequency range 150 kHz to 30 MHz					Result	
Method	Measurements were made on a ground plane that extends 1-meter minimum beyond all sides of the system under test. All power was connected to the system through Line Impedance Stabilization Networks (LISN). Conducted voltage measurements on mains lines were made at the output of the LISN. Conducted voltage on load terminals and additional terminals were made by using a 1 500 Ω probe.					C
Parameters recorded during the test			Laboratory Ambient Temperature		(23.2 ± 1.0) °C	
			Relative Humidity		(47.9 ± 1.0) %	
			Air pressure		(100.4 ± 1.0) kPa	
Date of Test			2023. 11. 13.			
Fully configured sample scanned over the following frequency range			150 kHz to 30 MHz			
Limits – At mains terminals						
Frequency (MHz)	Limit (dBμV)					
	Quasi-Peak			Average		
	Class A	Class B		Class A	Class B	
0.15 to 0.5	79	66 to 56*		66	56 to 46*	
0.5 to 5	79	56		66	46	
5 to 30	73	60		60	50	
Note * : Decreases with logarithm of the frequency						
Test Equipment Used						
Description	Manufacturer	Model	Identifier	Cal. Date	Next Cal. Due	Test Software
Test Receiver	R&S	ESR3	102623	2023.09.06	2024.09.06	EMC32
LISN	R&S	ENV216	100052	2022.12.12	2023.12.12	(ver. 10.60.20)

■ Test Setup

Test set-up



Test set-up



■ Test Result

– Test Mode : # 1(Normal Operation(Cold))

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.159000	----	30.44	55.52	25.07	1000.0	9.000	L1	9.5
0.163500	48.40	----	65.28	16.88	1000.0	9.000	L1	9.5
0.541500	36.98	----	56.00	19.02	1000.0	9.000	L1	9.6
0.555000	----	28.59	46.00	17.41	1000.0	9.000	N	9.6
0.591000	32.84	----	56.00	23.16	1000.0	9.000	L1	9.6
0.672000	----	28.70	46.00	17.30	1000.0	9.000	N	9.6
1.252500	----	15.41	46.00	30.59	1000.0	9.000	N	9.6
1.360500	23.55	----	56.00	32.45	1000.0	9.000	N	9.6
2.445000	18.39	----	56.00	37.61	1000.0	9.000	N	9.6
3.975000	----	16.02	46.00	29.98	1000.0	9.000	N	9.6
4.285500	----	16.11	46.00	29.89	1000.0	9.000	N	9.6
4.317000	20.55	----	56.00	35.45	1000.0	9.000	N	9.6
10.594500	20.31	----	60.00	39.69	1000.0	9.000	N	9.7
11.751000	----	15.81	50.00	34.19	1000.0	9.000	N	9.7
19.990500	17.70	----	60.00	42.30	1000.0	9.000	L1	9.7
20.764500	----	14.56	50.00	35.44	1000.0	9.000	L1	9.7

– Test Mode : # 2(Normal Operation(Hot))

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.159000	48.11	----	65.52	17.41	1000.0	9.000	L1	9.5
0.181500	----	25.51	54.42	28.91	1000.0	9.000	L1	9.5
0.541500	36.79	----	56.00	19.21	1000.0	9.000	L1	9.6
0.546000	----	29.41	46.00	16.59	1000.0	9.000	N	9.6
0.568500	35.29	----	56.00	20.71	1000.0	9.000	L1	9.6
0.667500	----	30.14	46.00	15.86	1000.0	9.000	L1	9.6
1.144500	----	16.39	46.00	29.61	1000.0	9.000	N	9.6
1.693500	21.91	----	56.00	34.09	1000.0	9.000	N	9.6
2.148000	18.82	----	56.00	37.18	1000.0	9.000	N	9.6
3.988500	----	17.50	46.00	28.50	1000.0	9.000	N	9.6
4.146000	----	16.69	46.00	29.31	1000.0	9.000	N	9.6
4.168500	20.68	----	56.00	35.32	1000.0	9.000	N	9.6
11.490000	20.71	----	60.00	39.29	1000.0	9.000	N	9.7
12.066000	----	15.78	50.00	34.22	1000.0	9.000	N	9.7
19.945500	18.63	----	60.00	41.37	1000.0	9.000	L1	9.7
20.215500	----	13.91	50.00	36.09	1000.0	9.000	L1	9.7

※ Corr : LISN factor + Cable loss

■ Test Data

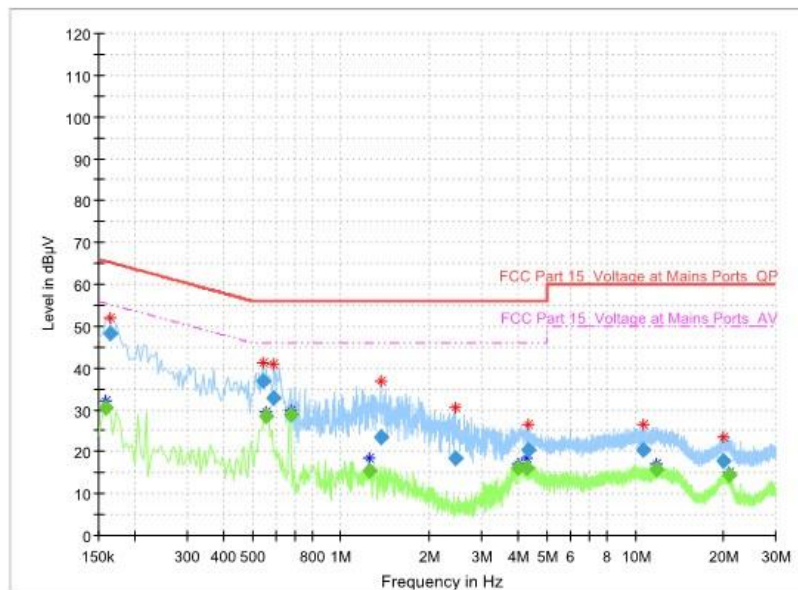
- Test Mode : # 1(Normal Operation(Cold))

Test

EMC32 Report

Common Information

EUT:	YV-19C
Order Number :	EFC-2023-000008
Factor :	ESR3(LISN 100052)
Polarization :	Live & Neutral
Test Voltage :	120 V~, 60 Hz
Test Spec :	FCC PART 15B
Test Mode :	Cold



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.159000	---	30.44	55.52	25.07	1000.0	9.000	L1	9.5
0.163500	48.40	---	65.28	16.88	1000.0	9.000	L1	9.5
0.541500	36.98	---	56.00	19.02	1000.0	9.000	L1	9.6
0.555000	---	28.59	46.00	17.41	1000.0	9.000	N	9.6
0.591000	32.84	---	56.00	23.16	1000.0	9.000	L1	9.6
0.672000	---	28.70	46.00	17.30	1000.0	9.000	N	9.6
1.252500	---	15.41	46.00	30.59	1000.0	9.000	N	9.6
1.360500	23.55	---	56.00	32.45	1000.0	9.000	N	9.6
2.445000	18.39	---	56.00	37.61	1000.0	9.000	N	9.6
3.975000	---	16.02	46.00	29.98	1000.0	9.000	N	9.6
4.285500	---	16.11	46.00	29.89	1000.0	9.000	N	9.6
4.317000	20.55	---	56.00	35.45	1000.0	9.000	N	9.6
10.594500	20.31	---	60.00	39.69	1000.0	9.000	N	9.7
11.751000	---	15.81	50.00	34.19	1000.0	9.000	N	9.7
19.990500	17.70	---	60.00	42.30	1000.0	9.000	L1	9.7
20.764500	---	14.56	50.00	35.44	1000.0	9.000	L1	9.7

11/13/2023 1:30:58 PM

■ Test Data

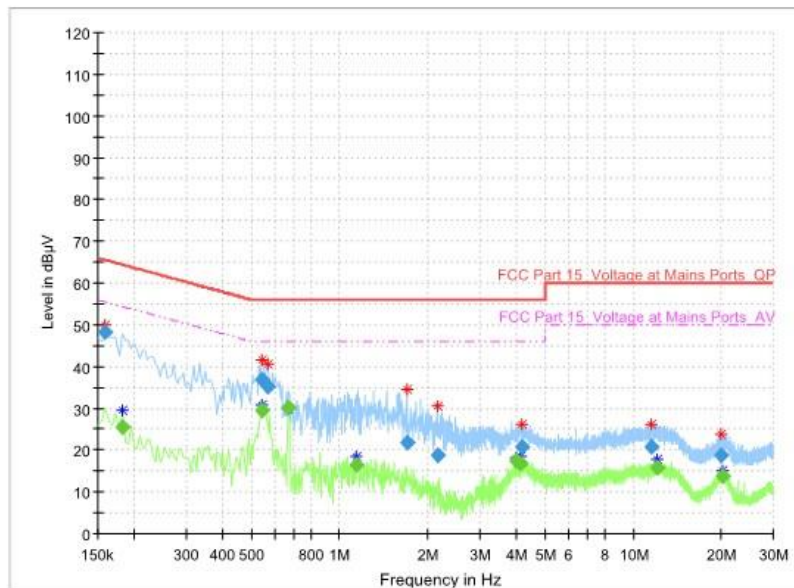
- Test Mode : # 2(Normal Operation(Hot))

Test

EMC32 Report

Common Information

EUT: YV-19C
Order Number : EFC-2023-000008
Factor : ESR3(LISN 100052)
Polarization : Live & Neutral
Test Voltage : 120 V~, 60 Hz
Test Spec : FCC PART 15B
Test Mode : Hot



Final Result

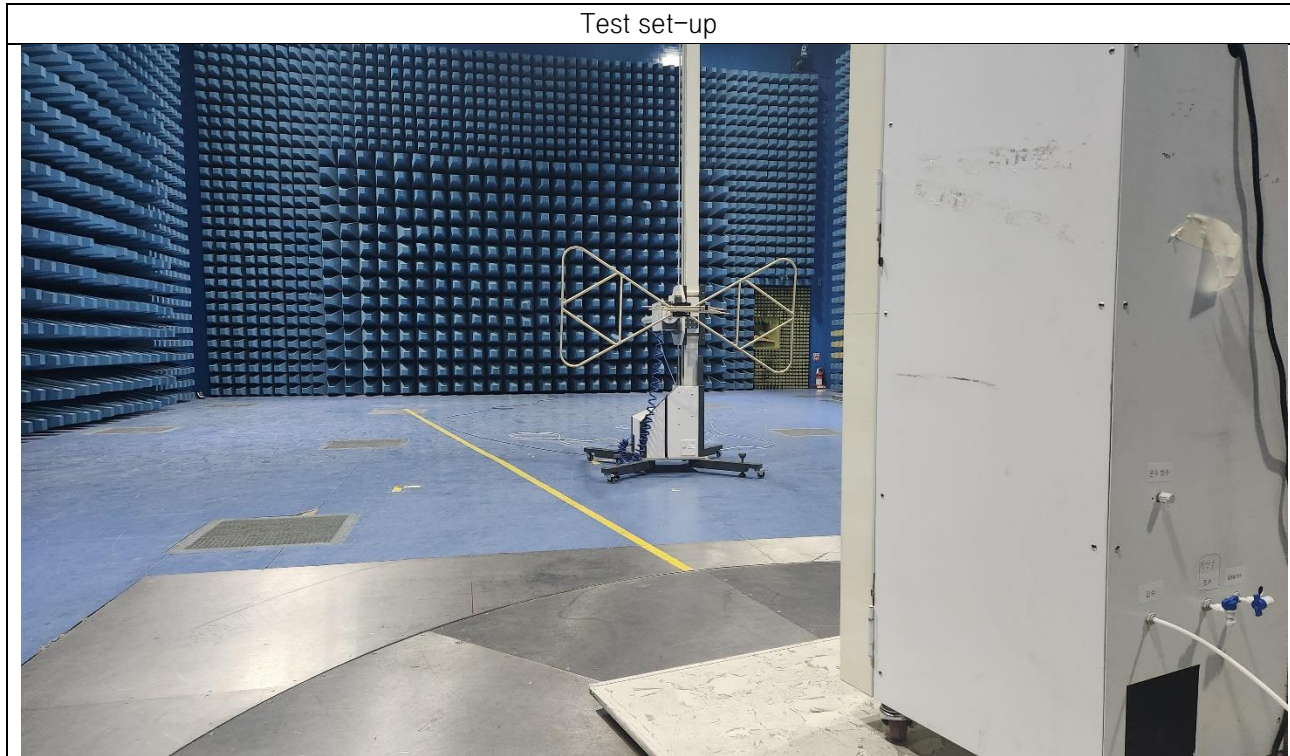
Frequency (MHz)	QuasiPeak (dBμV)	CAverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.159000	48.11	---	65.52	17.41	1000.0	9.000	L1	9.5
0.181500	---	25.51	54.42	28.91	1000.0	9.000	L1	9.5
0.541500	36.79	---	56.00	19.21	1000.0	9.000	L1	9.6
0.546000	---	29.41	46.00	16.59	1000.0	9.000	N	9.6
0.568500	35.29	---	56.00	20.71	1000.0	9.000	L1	9.6
0.667500	---	30.14	46.00	15.86	1000.0	9.000	L1	9.6
1.144500	---	16.39	46.00	29.61	1000.0	9.000	N	9.6
1.693500	21.91	---	56.00	34.09	1000.0	9.000	N	9.6
2.148000	18.82	---	56.00	37.18	1000.0	9.000	N	9.6
3.988500	---	17.50	46.00	28.50	1000.0	9.000	N	9.6
4.146000	---	16.69	46.00	29.31	1000.0	9.000	N	9.6
4.168500	20.68	---	56.00	35.32	1000.0	9.000	N	9.6
11.490000	20.71	---	60.00	39.29	1000.0	9.000	N	9.7
12.066000	---	15.78	50.00	34.22	1000.0	9.000	N	9.7
19.945500	18.63	---	60.00	41.37	1000.0	9.000	L1	9.7
20.215500	---	13.91	50.00	36.09	1000.0	9.000	L1	9.7

11/13/2023 1:34:35 PM

4.2. Radiated Emission(Below 1 GHz)

TEST : Limits of radiated disturbance in the frequency range								Result
Method	Measurements were made on Semi-Anechoic Chamber that complies to CISPR 16. Preliminary (Peak) measurements were performed at an antenna to EUT separation distance of 3 meters with the receive antenna located at 1 to 4-meters height in both horizontal and vertical polarizations. Final measurements (Quasi-Peak Detect) were then performed by rotating the EUT 360° and adjusting the receive antenna height from 1 to 4-meters. All frequencies were investigated in both horizontal and vertical antenna polarization, where applicable.							C
Parameters recorded during the test			Laboratory Ambient Temperature		(19.7 ± 1.0) °C			
			Relative Humidity		(48.4 ± 1.0) %			
			Air pressure		(99.7 ± 1.0) kPa			
Fully configured sample scanned over the following frequency range			30 MHz to 1 000 MHz		3 m measurement distance			
Date of Test			2023. 11. 03.					
Limits – Enclosure								
Frequency (MHz)	Radiated Emissions Limits at 10 m(dB (µV/m))				Radiated Emissions Limits at 3 m(dB (µV/m))			
	FCC Part 15 B Class A	FCC Part 15 B Class B	CISPR 22 Class A	CISPR 22 Class B	FCC Part 15 B Class A	FCC Part 15 B Class B	CISPR 22 Class A	CISPR 22 Class B
30 to 88	39.0	29.5	40	30	49.5	40.0	50.5	40.5
88 to 216	43.5	33.1			54.0	43.5		
216 to 230	46.4	35.6			56.9	46.0		
230 to 960			47	37	60.0	54.0	57.5	47.5
Above 960	49.5	43.5						
Test Equipment Used								
Description	Manufacturer		Model	Identifier	Cal. Date	Next Cal. Due	Test Software	
Test Receiver	R&S		ESR3	102623	2023.09.06	2024.09.06	EMC32 (ver. 10.50.40)	
Bi-Log Ant	TDK		HLP-3003C	130962	2022.12.02	2023.12.02		
Antenna Position Tower	Innco Systems GmbH		MA4640/800-XP-ET	N/A	N/A	N/A		
Antenna Mast	Innco Systems GmbH		MHE-0200-MA	N/A	N/A	N/A		
Controller	Innco Systems GmbH		CO3000	CO3000/1036/41320817/P	N/A	N/A		
Test Receiver	R&S		ESR3	102623	2023.09.06	2024.09.06		

■ Test Setup



■ Test Result

– Test Mode : # 1(Normal Operation(Cold))

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
148.520050	40.50	43.52	3.02	1000.0	120.000	125.0	H	170.0	13.4
197.984000	40.45	43.52	3.07	1000.0	120.000	125.0	V	197.0	15.0
247.518250	42.98	46.02	3.04	1000.0	120.000	105.0	H	221.0	12.8
375.010200	36.27	46.02	9.75	1000.0	120.000	100.0	V	319.0	19.3
500.009250	33.81	46.02	12.21	1000.0	120.000	105.0	H	10.0	22.0
750.007350	30.27	46.02	15.75	1000.0	120.000	125.0	V	164.0	26.1

– Test Mode : # 2(Normal Operation(Hot))

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
148.480050	40.23	43.52	3.29	1000.0	120.000	125.0	H	160.0	13.4
198.019150	40.13	43.52	3.39	1000.0	120.000	100.0	H	115.0	15.1
247.518250	41.27	46.02	4.75	1000.0	120.000	100.0	H	196.0	12.8
375.010200	37.13	46.02	8.89	1000.0	120.000	100.0	V	247.0	19.3
624.968300	37.68	46.02	8.34	1000.0	120.000	100.0	H	324.0	24.4
750.002500	32.72	46.02	13.30	1000.0	120.000	100.0	H	188.0	26.1

※ Corr : ANT Factor + Cable loss

■ Test Data

– Test Mode : # 1(Normal Operation(Cold))

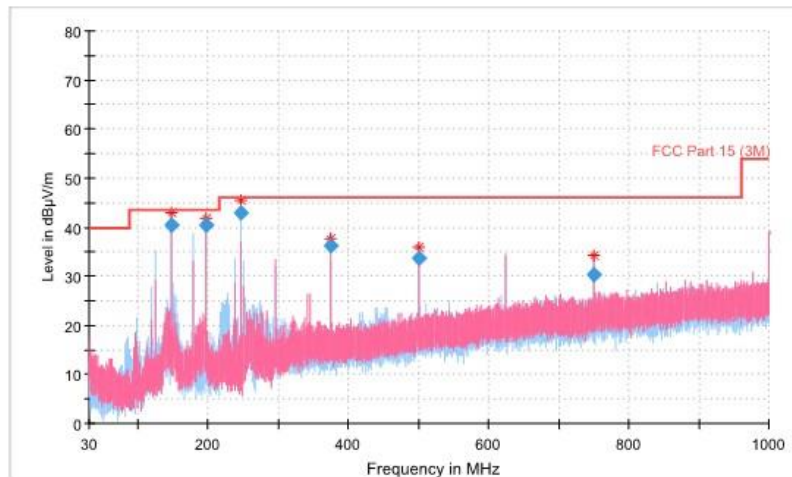
EMI Auto Test

1 / 1

EMI RE Auto Test Report

Common Information

EUT: YV-19C
Order No: EFC-2023-000008
Test Description: FCC Part 15, Subpart B
Operating Conditions: COLD
Operator Name: KTR



Final Result

Frequency (MHz)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
148.520050	40.50	43.52	3.02	1000.0	120.000	125.0	H	170.0	13.4
197.984000	40.45	43.52	3.07	1000.0	120.000	125.0	V	197.0	15.0
247.518250	42.98	46.02	3.04	1000.0	120.000	105.0	H	221.0	12.8
375.010200	36.27	46.02	9.75	1000.0	120.000	100.0	V	319.0	19.3
500.009250	33.81	46.02	12.21	1000.0	120.000	105.0	H	10.0	22.0
750.007350	30.27	46.02	15.75	1000.0	120.000	125.0	V	164.0	26.1

11/3/2023 11:12:05 AM

■ Test Data

- Test Mode : # 2(Normal Operation(Hot))

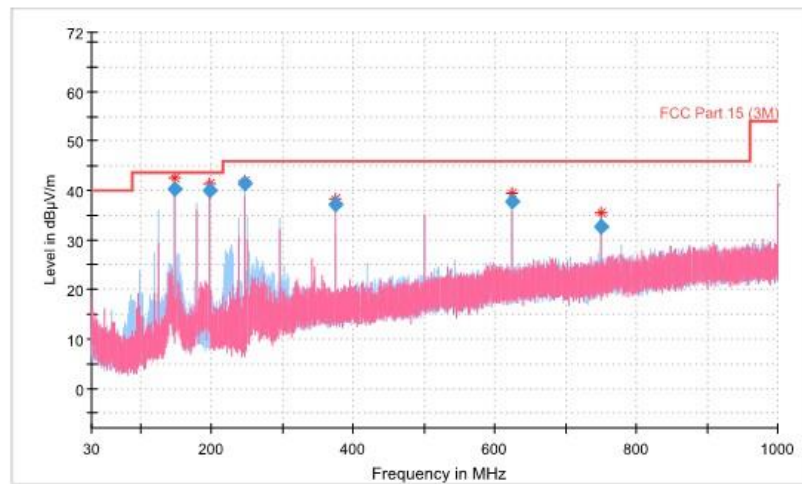
EMI Auto Test

1 / 1

EMI RE Auto Test Report

Common Information

EUT: YV-19C
Order No: EFC-2023-000008
Test Description: FCC Part 15, Subpart B
Operating Conditions: HOT
Operator Name: KTR



Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
148.480050	40.23	43.52	3.29	1000.0	120.000	125.0	H	160.0	13.4
198.019150	40.13	43.52	3.39	1000.0	120.000	100.0	H	115.0	15.1
247.518250	41.27	46.02	4.75	1000.0	120.000	100.0	H	196.0	12.8
375.010200	37.13	46.02	8.89	1000.0	120.000	100.0	V	247.0	19.3
624.968300	37.68	46.02	8.34	1000.0	120.000	100.0	H	324.0	24.4
750.002500	32.72	46.02	13.30	1000.0	120.000	100.0	H	188.0	26.1

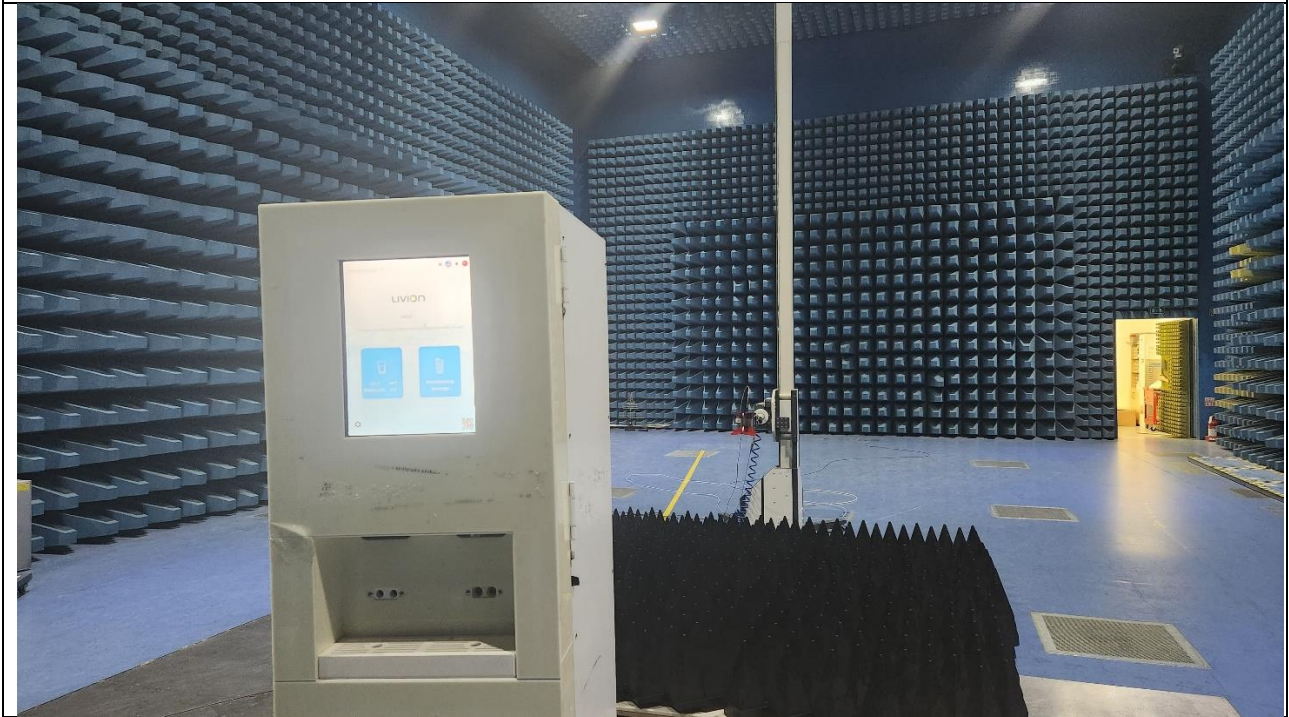
11/3/2023 1:22:25 PM

4.3. Radiated Emission(Below 1 GHz)

TEST : Limits of radiated disturbance in the frequency range						Result
Method	Measurements were made on FAR Chamber that complies to CISPR 16. Preliminary (peak) measurements were performed at an antenna to EUT separation distance of 3 meters with the receive antenna located at 1 to 4-meters height in both horizontal and vertical polarizations. Final measurements (Average Detect) were then performed by rotating the EUT 360° and adjusting the receive antenna height from 1 to 4-meters. All frequencies were investigated in both horizontal and vertical antenna polarization, where applicable.					C
Parameters recorded during the test			Laboratory Ambient Temperature		(21.5 ± 1.0) °C	
			Relative Humidity		(46.0 ± 1.0) %	
			Air pressure		(100.3 ± 1.0) kPa	
Date of Test			2023. 11. 06.			
Fully configured sample scanned over the following frequency range			1 GHz to 5 GHz			
Limits – At mains terminals						
Frequency (MHz)	Radiated Emissions Limits at 3 m(dB (µV/m))					
	Class A			Class B		
	Peak	Average		Peak	Average	
Above 1 GHz	80	60		74	54	
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				30		
1.705 to 108				1 000		
108 to 500				2 000		
500 to 1 000				5 000		
Above 1 000				5th harmonic of the highest frequency or 40 GHz, whichever is lower		
Test Equipment Used						
Description	Manufacturer	Model	Identifier	Cal. Date	Next Cal. Due	Test Software
Test Receiver	R&S	ESR3	102623	2023.09.06	2024.09.06	EMC32 (ver.10.60.20)
Horn Antenna	ETS-LINDGREN	3117	00227635	2023.07.14	2024.07.14	
Pre Amp	TESTEK	TK-PA18	120006	2023.08.28	2024.08.28	
Antenna Position Tower	Innco Systems GmbH	MA4640/800-XP-ET	N/A	N/A	N/A	
Antenna Mast	Innco Systems GmbH	MHE-0200-MA	N/A	N/A	N/A	
Controller	Innco Systems GmbH	CO3000	CO3000/1036/41320817/P	N/A	N/A	

■ Test Setup

Test set-up



■ Test Result

- Test Mode : # 1(Normal Operation(Cold))

Frequency (MHz)	Max Peak	C Average	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
	(dBμV/m)									
1 000.00	44.17	---	74.00	29.83	1 000.0	1 000.00	350.0	V	130.0	-10.2
1 000.00	---	40.71	54.00	13.29	1 000.0	1 000.00	350.0	V	133.0	-10.2
2 426.70	39.29	---	74.00	34.71	1 000.0	1 000.00	200.0	H	122.0	-2.5
2 430.70	---	26.41	54.00	27.59	1 000.0	1 000.00	200.0	H	138.0	-2.5
2 986.00	---	27.45	54.00	26.55	1 000.0	1 000.00	400.0	H	210.0	0.1
3 206.90	41.31	---	74.00	32.69	1 000.0	1 000.00	150.0	H	194.0	0.8
6 105.45	---	28.30	54.00	25.70	1 000.0	1 000.00	300.0	V	334.0	8.4
6 253.90	42.03	---	74.00	31.97	1 000.0	1 000.00	300.0	H	299.0	8.9
10 334.60	45.55	---	74.00	28.45	1 000.0	1 000.00	400.0	H	354.0	18.8
10 386.45	---	33.67	54.00	20.33	1 000.0	1 000.00	100.0	V	188.0	19.0
17 495.25	48.77	---	74.00	25.23	1 000.0	1 000.00	300.0	H	0.0	28.6
17 496.35	---	36.30	54.00	17.70	1 000.0	1 000.00	400.0	H	348.0	28.6

- Test Mode : # 2(Normal Operation(Hot))

Frequency (MHz)	Max Peak	C Average	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
	(dBμV/m)									
1 000.00	43.14	---	74.00	30.86	1 000.0	1 000.00	400.0	V	54.0	-10.2
1 000.00	---	39.30	54.00	14.70	1 000.0	1 000.00	400.0	V	54.0	-10.2
2 428.10	36.11	---	74.00	37.89	1 000.0	1 000.00	100.0	V	1.0	-2.5
2 429.70	---	31.06	54.00	22.94	1 000.0	1 000.00	100.0	V	0.0	-2.5
3 471.65	40.66	---	74.00	33.34	1 000.0	1 000.00	100.0	H	2.0	1.3
3 921.05	---	27.95	54.00	26.05	1 000.0	1 000.00	400.0	V	186.0	2.5
6 605.95	---	29.81	54.00	24.19	1 000.0	1 000.00	400.0	H	82.0	9.8
6 666.25	43.01	---	74.00	30.99	1 000.0	1 000.00	400.0	H	206.0	10.0
10 456.30	---	33.60	54.00	20.40	1 000.0	1 000.00	100.0	V	196.0	19.3
10 460.30	46.53	---	74.00	27.47	1 000.0	1 000.00	100.0	V	176.0	19.3
17 470.20	---	36.61	54.00	17.39	1 000.0	1 000.00	100.0	H	276.0	28.6
17 987.70	49.16	---	74.00	24.84	1 000.0	1 000.00	100.0	V	216.0	29.1

※ Corr : ANT Factor + Cable loss

■ Test Data

- Test Mode : # 1(Normal Operation(Cold))

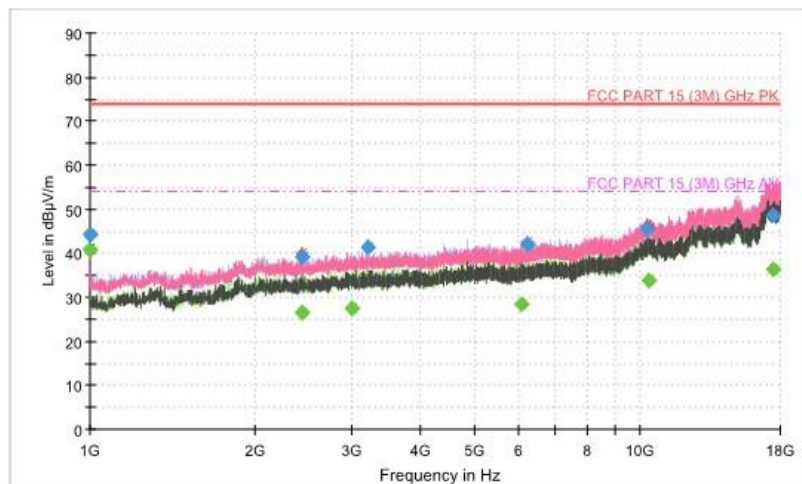
EMI Auto Test

1 / 1

EMI RE Auto Test Report

Common Information

EUT: YV-19C
Order No: EFC-2023-000008
Test Description: FCC Part 15, Subpart B
Operating Conditions: COLD
Operator Name: KTR



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1000.000000	44.17	---	74.00	29.83	1000.0	1000.000	350.0	V	130.0	-10.2
1000.000000	---	40.71	54.00	13.29	1000.0	1000.000	350.0	V	133.0	-10.2
2426.700000	39.29	---	74.00	34.71	1000.0	1000.000	200.0	H	122.0	-2.5
2430.700000	---	26.41	54.00	27.59	1000.0	1000.000	200.0	H	138.0	-2.5
2986.000000	---	27.45	54.00	26.55	1000.0	1000.000	400.0	H	210.0	0.1
3206.900000	41.31	---	74.00	32.69	1000.0	1000.000	150.0	H	194.0	0.8
6105.450000	---	28.30	54.00	25.70	1000.0	1000.000	300.0	V	334.0	8.4
6253.900000	42.03	---	74.00	31.97	1000.0	1000.000	300.0	H	299.0	8.9
10334.600000	45.55	---	74.00	28.45	1000.0	1000.000	400.0	H	354.0	18.8
10386.450000	---	33.67	54.00	20.33	1000.0	1000.000	100.0	V	188.0	19.0
17495.250000	48.77	---	74.00	25.23	1000.0	1000.000	300.0	H	0.0	28.6
17496.350000	---	36.30	54.00	17.70	1000.0	1000.000	400.0	H	348.0	28.6

11/6/2023 5:18:29 PM

■ Test Data

- Test Mode : # 2(Normal Operation(Hot))

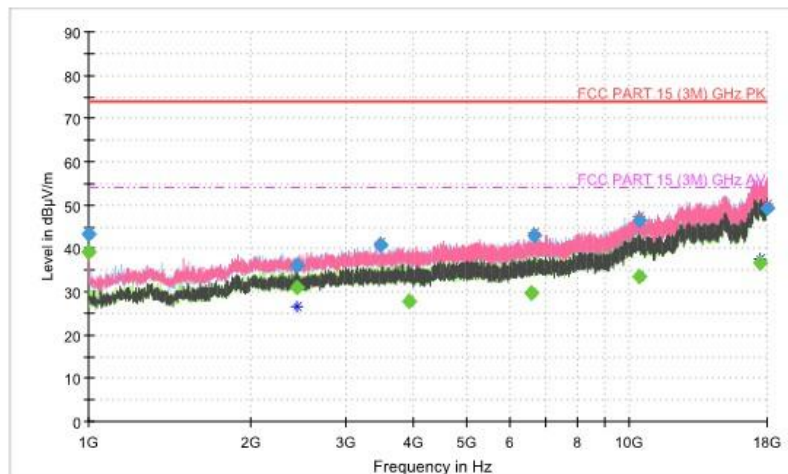
EMI Auto Test

1 / 1

EMI RE Auto Test Report

Common Information

EUT: YV-19C
Order No: EFC-2023-000008
Test Description: FCC Part 15, Subpart B
Operating Conditions: HOT
Operator Name: KTR



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1000.000000	43.14	---	74.00	30.86	1000.0	1000.000	400.0	V	54.0	-10.2
1000.000000	---	39.30	54.00	14.70	1000.0	1000.000	400.0	V	54.0	-10.2
2428.100000	36.11	---	74.00	37.89	1000.0	1000.000	100.0	V	1.0	-2.5
2429.700000	---	31.06	54.00	22.94	1000.0	1000.000	100.0	V	0.0	-2.5
3471.650000	40.66	---	74.00	33.34	1000.0	1000.000	100.0	H	2.0	1.3
3921.050000	---	27.95	54.00	26.05	1000.0	1000.000	400.0	V	186.0	2.5
6605.950000	---	29.81	54.00	24.19	1000.0	1000.000	400.0	H	82.0	9.8
6666.250000	43.01	---	74.00	30.99	1000.0	1000.000	400.0	H	206.0	10.0
10456.300000	---	33.60	54.00	20.40	1000.0	1000.000	100.0	V	196.0	19.3
10460.300000	46.53	---	74.00	27.47	1000.0	1000.000	100.0	V	176.0	19.3
17470.200000	---	36.61	54.00	17.39	1000.0	1000.000	100.0	H	276.0	28.6
17987.700000	49.16	---	74.00	24.84	1000.0	1000.000	100.0	V	216.0	29.1

11/6/2023 6:05:44 PM

5. Photo of EUT

Front



Rear



– End of Test Report –