FCC PART 15.247

TEST REPORT

For

Jiangsu Yuyue Medical Equipment & Supply Co., Ltd.

No.1 Baisheng Road Development Zone, Danyang, Jiangsu province, 212300 China

FCC ID: 2A2JJYE650ARS

Report Type:	**Product Name:**
Class II Permissive Change Report	Electronic Blood Pressure Monitor

Report Number:	RKSA240812003-00B
Report Date:	2024-10-17
Reviewed By:	Bard Liu
Approved By:	Oscar Ye
Prepared By:	Bay Area Compliance Laboratories Corp. (Kunshan) No.248 Chenghu Road, Kunshan, Jiangsu Province, China Tel: +86-512-86175000 Fax: +86-512-88934268 www.baclcorp.com.cn

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DOCUMENT HISTORY

Revision	Release Date	Description of Revision	Report Number
R1V1	2024-04-24	Original Report	RKSA240319002-00B
R2V1	2024-10-17	C2PC Report	RKSA240812003-00B

FILING DESCRIPTION

Report Number	Information about Changes
RKSA240319002-00B	First Release
RKSA240812003-00B	Model; Circuit board

Note:

This is a CIIPC report based on RKSA240319002-00B, grant date: 5/21/2024, the details as below:

1. Change the tested model to “YE650AR”.

2. Change the circuit board.

For above differences, we tested “Conducted Output Power”, “Conducted Emissions” and “Radiated Emissions”, updated relate photos, other data and photos should be referred to the original report RKSA240319002-00B that issued on 2024-04-24 by BACL (Kunshan).

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant:	Jiangsu Yuyue Medical Equipment & Supply Co., Ltd.
Tested Model:	YE650AR
Product Name:	Electronic Blood Pressure Monitor
Power Supply:	DC 3.7V from battery or DC 5V charging by adapter
RF Function:	BLE (1Mbps)
Maximum Peak Output Power:	6.05 dBm
Operating Band/Frequency:	2402-2480MHz
Channel Number:	40
Channel Separation:	2 MHz
Modulation Type	GFSK
Antenna Type:	PCB Antenna
★Maximum Antenna Gain:	3.09 dBi

Adapter Information:
Model: HT-C38B-0510WW
Input: 100-240V-50/60Hz, 0.35A Max
Output: 5V, 1000mA

Note: The maximum antenna gain was declared by the manufacturer.

All measurement and test data in this report was gathered from production sample serial number: RKSA240812003-1 (Assigned by the BACL (Kunshan). The EUT supplied by the applicant was received on 2024-08-12.)

Objective

This report is prepared for *Jiangsu Yuyue Medical Equipment & Supply Co., Ltd.* in accordance with Part 2-Subpart J, Part 15-Subparts A and C of the Federal Communications Commission rules.

The tests were performed in order to determine compliance with FCC Part 15, Subpart C, and section 15.203, 15.205, 15.207, 15.209 and 15.247 rules.

Test Methodology

All measurements contained in this report were conducted with ANSI C63.10-2013, American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices and FCC KDB 558074 D01 15.247 Meas Guidance v05r02.

Measurement Uncertainty

Item		Uncertainty
AC Power Lines Conducted Emissions		3.19dB
RF conducted test with spectrum		0.9dB
RF Output Power with Power meter		0.5dB
Radiated emissions	9 kHz~150 kHz	3.8dB
	150 kHz~30 MHz	3.4dB
	30MHz~1GHz	6.11dB
	1GHz~6GHz	4.45dB
	6GHz~18GHz	5.23dB
	18GHz~40GHz	5.65dB
Occupied Bandwidth		0.5kHz
Temperature		1.0℃
Humidity		6%

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Kunshan) to collect test data is located on the No.248 Chenghu Road, Kunshan, Jiangsu Province, China.

Bay Area Compliance Laboratories Corp. (Kunshan) is accredited in accordance with ISO/IEC 17025:2017 by NVLAP (Lab code: 600338-0), and the lab has been recognized as the FCC accredited lab under the KDB 974614 D01, the FCC Designation No.: CN5055.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

Channel List for BLE mode:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2402	20	2442
1	2404	…	…
…	…	…	…
…	…	…	…
18	2438	38	2478
19	2440	39	2480

EUT was tested with channel 0, 19 and 39.

EUT Exercise Software

RF Test Tool: RTL8762C_RFTestTool_v1.0.1.4

★Power level: Default

Note: The power level was declared by the applicant.

Special Accessories

No special accessory.

Equipment Modifications

No modification was made to the EUT tested.

Support Equipment List and Details

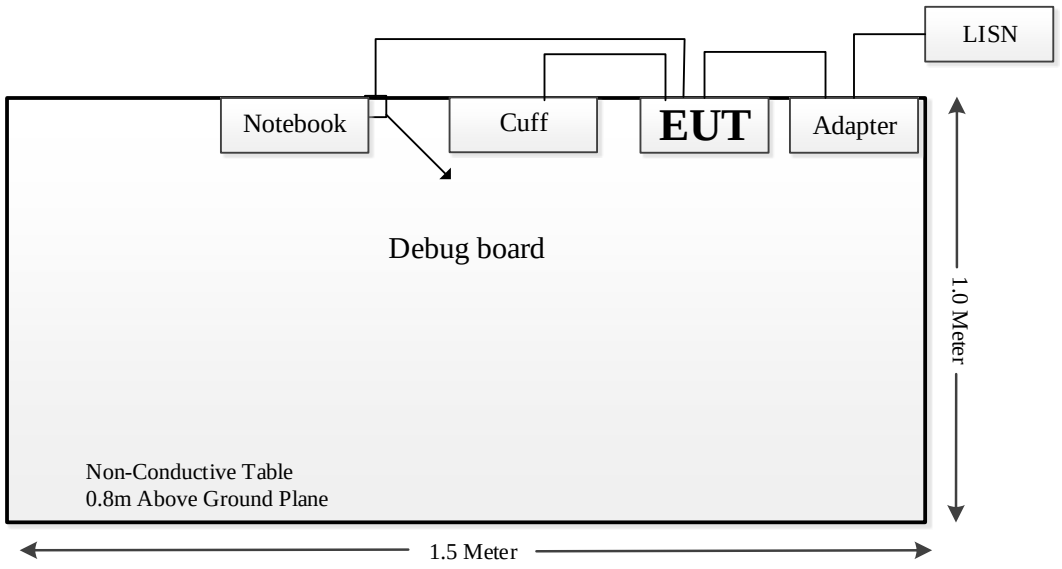
Manufacturer	Description	Model	Serial Number
Unknown	Debug board	Unknown	Unknown
Dell	Notebook	E6410	3094742521

External I/O Cable

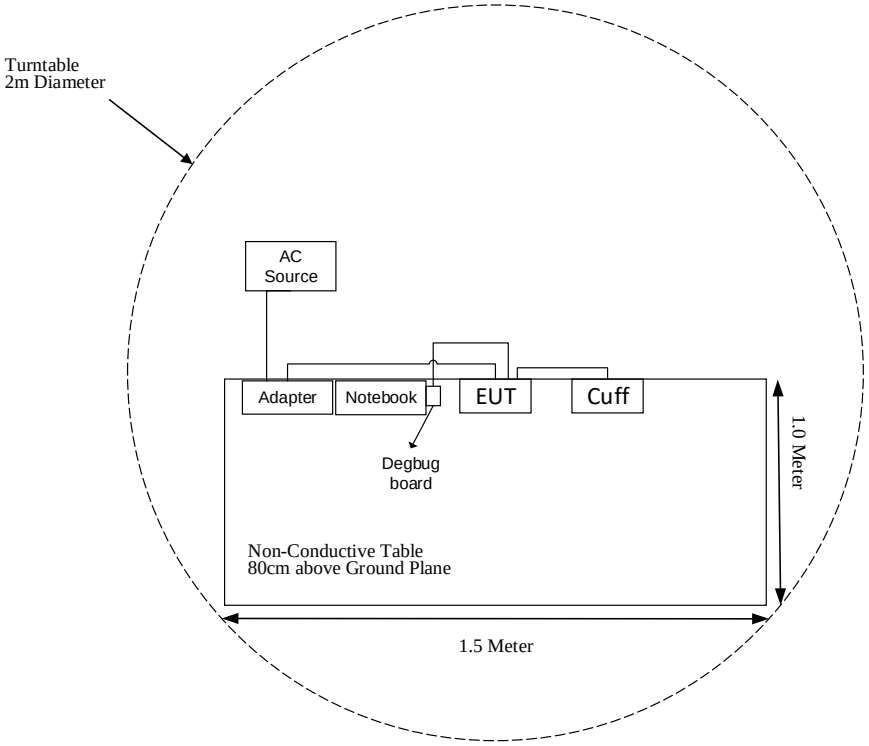
Cable Description	Length (m)	From Port	To Port
Power Cable 1	1.0	LISN/AC Source	Adapter
USB Cable	1.2	Adapter	EUT
Data Cable	0.6	EUT	Debug board
Rubber tubing	0.8	Cuff	EUT

Block Diagram of Test Setup

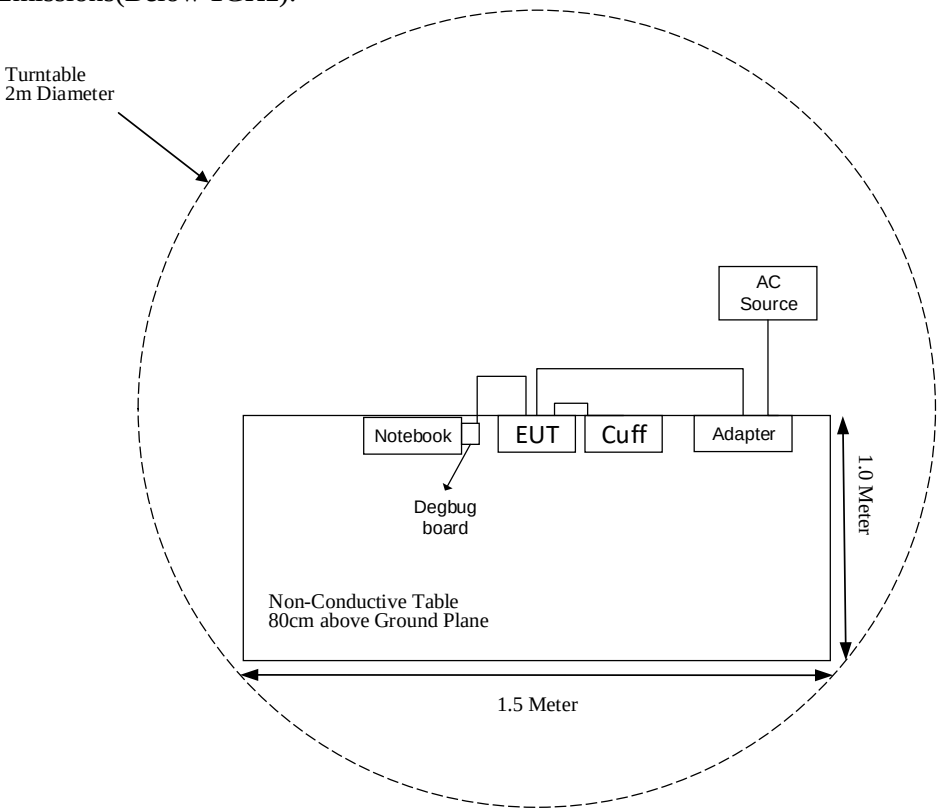
For Conducted Emissions:



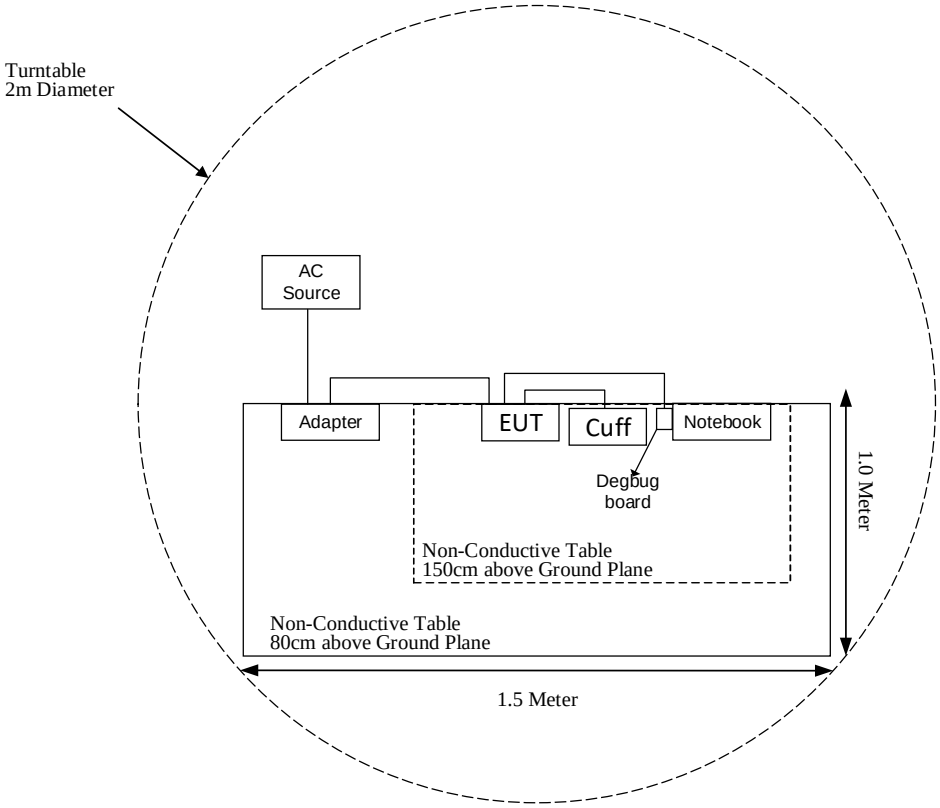
For Radiated Emissions(Below 30MHz):



For Radiated Emissions(Below 1GHz):



For Radiated Emissions(Above 1GHz):



TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Radiated Emission Test (Chamber #1)					
Rohde & Schwarz	EMI Test Receiver	ESCI	100195	2024-04-23	2025-04-22
Sunol Sciences	Broadband Antenna	JB3	A090314-1	2023-11-11	2024-11-10
ETS-LINDGREN	Loop Antenna	6512	108100	2023-11-09	2024-11-08
Narda	6 dB Attenuator	773-6	10690812-2-1	2023-11-11	2024-11-10
Sonoma Instrument	Amplifier	310N	171205	2024-04-23	2025-04-22
Rohde & Schwarz	Auto Test Software	EMC32	100361	N/A	N/A
MICRO-COAX	Coaxial Cable	Cable-8	008	2024-04-23	2025-04-22
MICRO-COAX	Coaxial Cable	Cable-9	009	2024-04-23	2025-04-22
Radiated Emission Test (Chamber #2)					
Rohde & Schwarz	EMI Test Receiver	ESU40	100207/040	2024-04-25	2025-04-24
ETS-LINDGREN	Horn Antenna	3115	9311-4159	2023-12-02	2024-12-01
ETS-LINDGREN	Horn Antenna	3116	2516	2023-12-08	2024-12-07
A.H.Systems,inc	Amplifier	PAM-0118P	512	2024-04-25	2025-04-24
MICRO-TRONICS	Band Reject Filter	BRM50702	G024	2024-08-05	2025-08-04
Narda	Attenuator	10dB	010	2024-08-15	2025-08-14
SELECTOR	Amplifier	EM18G40G	60726	2024-04-25	2025-04-24
Rohde & Schwarz	Auto test Software	EMC32	100361	N/A	N/A
MICRO-COAX	Coaxial Cable	Cable-6	006	2024-04-23	2025-04-22
MICRO-COAX	Coaxial Cable	Cable-11	011	2024-04-25	2025-04-24
MICRO-COAX	Coaxial Cable	Cable-12	012	2024-04-25	2025-04-24
Conducted Emission Test					
Rohde & Schwarz	EMI Test Receiver	ESR	101746	2024-04-23	2025-04-22
Rohde & Schwarz	LISN	ENV216	101115	2024-04-23	2025-04-22
Audix	Test Software	e3	V9	N/A	N/A
Rohde & Schwarz	Pulse Limiter	ESH3-Z2	0357.8810.54	2024-05-23	2025-05-22
MICRO-COAX	Coaxial Cable	Cable-15	015	2024-04-23	2025-04-22
RF Conducted Test					
Anritsu	Power Sensor	MA24418A	12621	2024-04-23	2025-04-22
Narda	Attenuator	10dB	010	2024-08-15	2025-08-14
XHFDZ	RG178 Coaxial Cable	SMA-178	XHF-1102	Each time	N/A

Statement of Traceability: Bay Area Compliance Laboratories Corp. (Kunshan) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§15.203	Antenna Requirement	Compliant
FCC §1.1310 & §2.1091	Maximum Permissible Exposure	Compliant
§15.207 (a)	AC Line Conducted Emissions	Compliant
§15.205, §15.209, §15.247(d)	Spurious Emissions	Compliant
§15.247 (a)(2)	6 dB Emission Bandwidth	Compliant*
§15.247(b)(3)	Maximum Conducted Output Power	Compliant
§15.247(d)	Band Edge	Compliant*
§15.247(e)	Power Spectral Density	Compliant*

Compliant*：The changes will not affect test data，the data refer to the original report RKSA240319002-00B that issued on 2024-04-24 by BACL (Kunshan).

FCC §1.1310 & §2.1091 – MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Applicable Standard

According to subpart §2.1091 and subpart §1.1310, systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

Limits for Maximum Permissible Exposure (MPE) (§1.1310, §2.1091)

(B) Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	**Electric Field Strength (V/m)**	**Magnetic Field Strength (A/m)**	**Power Density (mW/cm^2)**	**Averaging Time (minutes)**
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*($180/f^2$)	30
30-300	27.5	0.073	0.2	30
300-1500	/	/	f/1500	30
1500-100,000	/	/	1.0	30

f = frequency in MHz; * = Plane-wave equivalent power density;

According to §1.1310 and §2.1091 RF exposure is calculated.

Calculated Formulary

Predication of MPE limit at a given distance
$S = PG/4\pi R^2$ = power density (in appropriate units, e.g. mW/cm^2);
P = power input to the antenna (in appropriate units, e.g., mW);
G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain;
R = distance to the center of radiation of the antenna (appropriate units, e.g., cm);

Calculated Data:

Mode	**Frequency Range (MHz)**	**Antenna Gain**		**★Tune-up Output Power**		**Evaluation Distance (cm)**	**Power Density (mW/cm^2)**	**MPE Limit (mW/cm^2)**
		(dBi)	**(numeric)**	**(dBm)**	**(mW)**			
BLE	2402~2480	3.09	2.04	6.5	4.47	20	0.002	1.0

Note: For the above tune up power were declared by the manufacturer.

Result: The device meet FCC MPE at 20 cm distance.

FCC §15.203 – ANTENNA REQUIREMENT

Applicable Standard

According to FCC § 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Antenna Connector Construction

The EUT has a PCB antenna for BLE, and the antenna gain is 3.09 dBi, which is permanently attached to the unit, fulfill the requirement of this section. Please refer to the EUT photos.

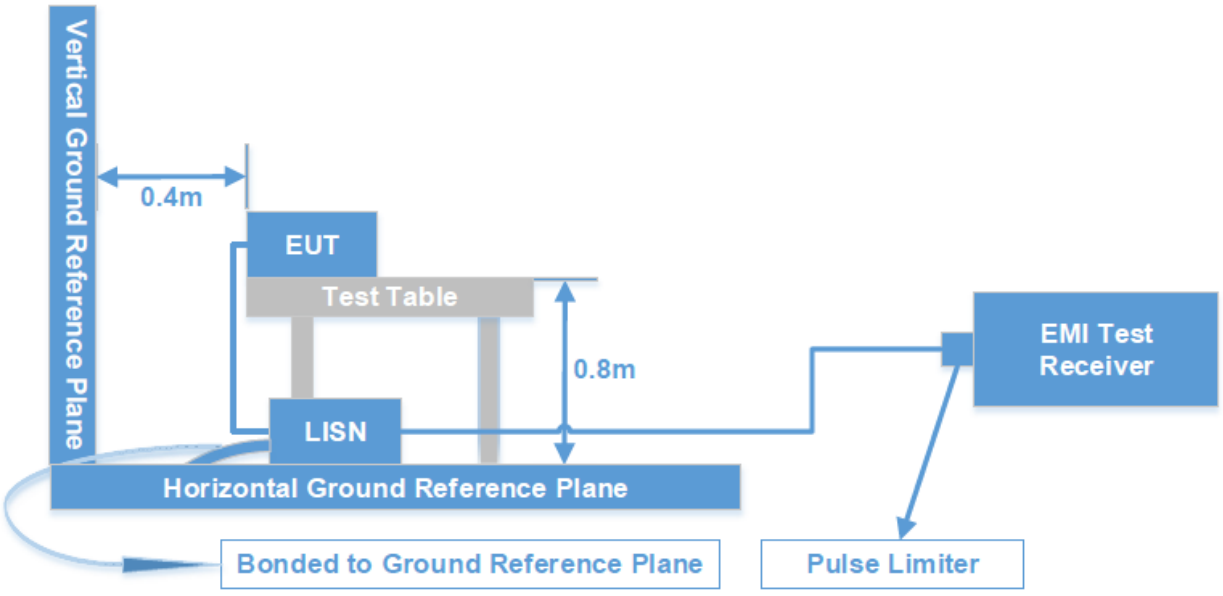
Result: Compliant.

FCC §15.207 (a) – AC LINE CONDUCTED EMISSIONS

Applicable Standard

FCC §15.207(a)

Test System Setup



The measurement procedure of EUT setup is according with ANSI C63.10-2013. The related limit was specified in FCC Part 15.207.

EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

Frequency Range	RBW	VBW
150 kHz – 30 MHz	9 kHz	30 kHz

Test Procedure

ANSI C63.10-2013 clause 6.2

During the conducted emission test, the adapter was connected to the outlet of the LISN.

Maximizing procedure was performed on the six (6) highest emissions of the EUT.

If the maximum peak value of the emissions is below the average limit, the QP value and average value measurement will not need to be performed and only record the maximum peak measured value to meet the requirements.

Level & Over Limit Calculation

The Level is calculated by adding LISN VDF (Voltage Division Factor), Cable Loss and Transient Limiter Attenuation from the Meter Reading. The basic equation is as follows:

Factor (dB) = LISN VDF (dB) + Cable Loss (dB) + Transient Limiter Attenuation (dB)
Level (dBμV) = Read level (dBμV) + Factor (dB)

The "**Over Limit**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, an Over Limit of 7 dB means the emission is 7 dB above the limit. The equation for Over Limit calculation is as follows:

Over Limit (dB) = Level (dBμV) - Limit (dBμV)

Test Results Summary

According to the recorded data in following table, the EUT complied with the FCC Part 15.207.

Test Data: See Appendix

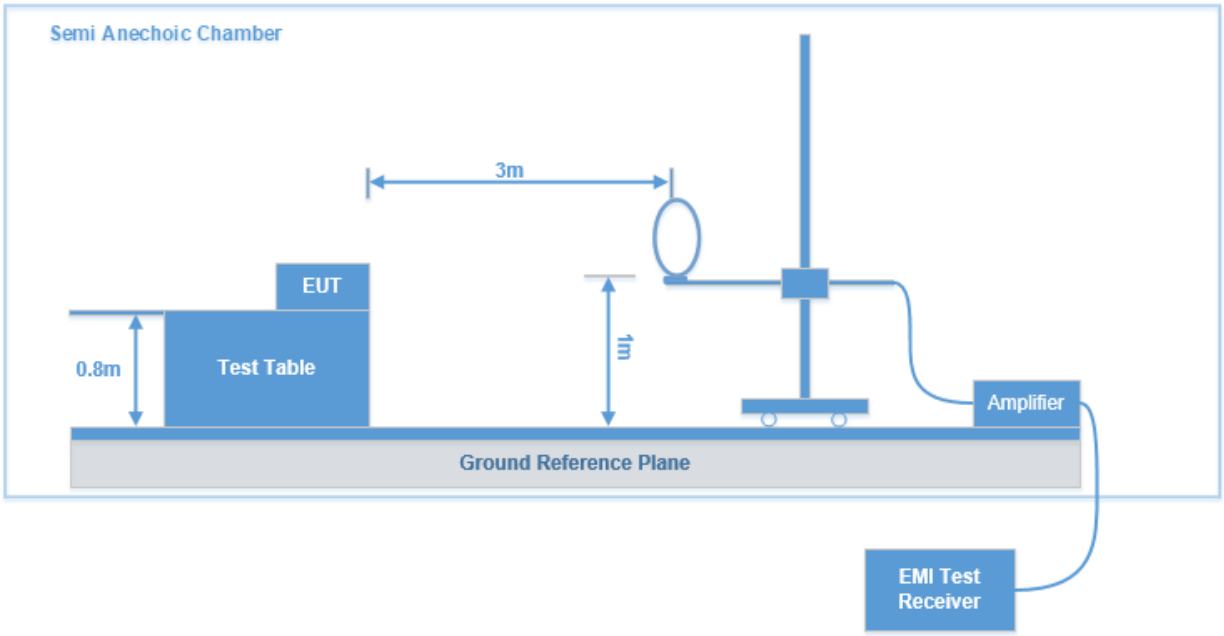
FCC §15.209, §15.205 & §15.247(d) - SPURIOUS EMISSIONS

Applicable Standard

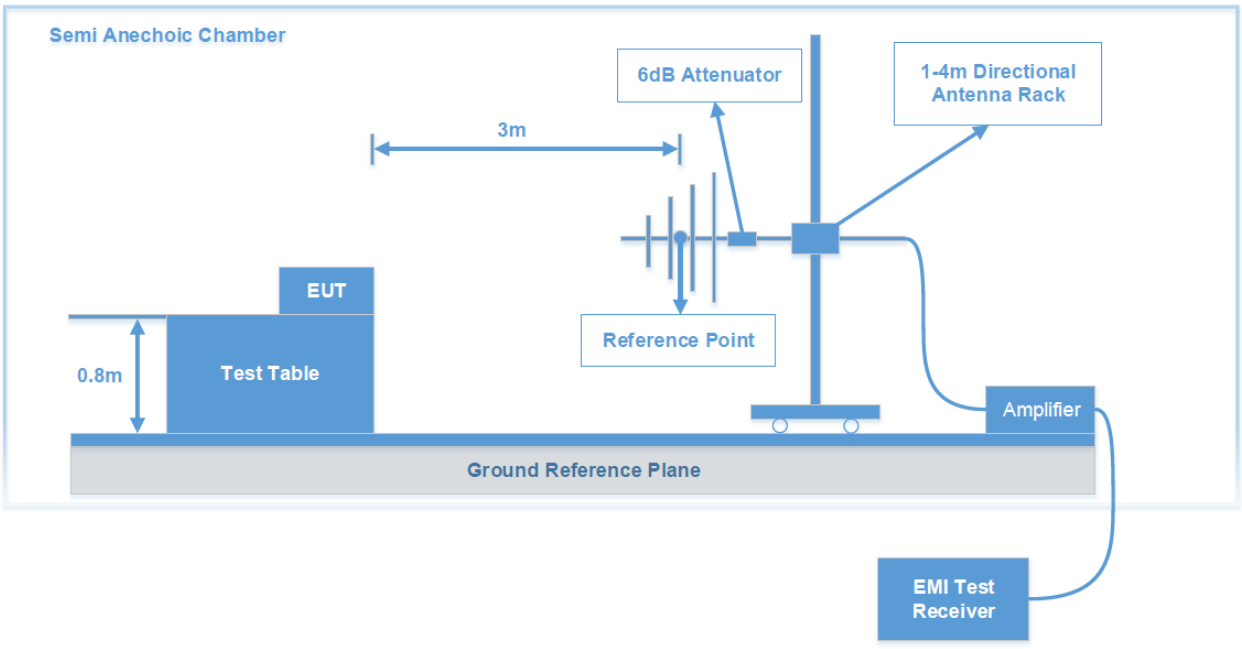
FCC §15.247 (d); §15.209; §15.205;

Test System Setup

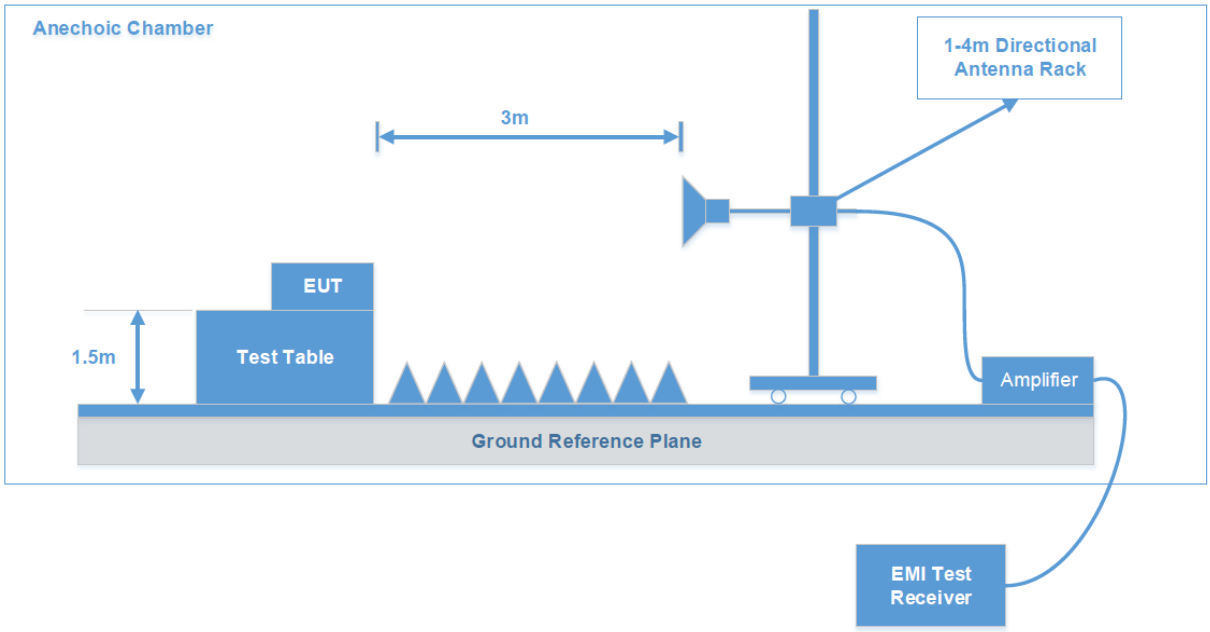
9k-30MHz:



30 MHz- 1 GHz:



Above 1GHz:



The radiated emission tests were performed in the 3 meters test site, using the setup accordance with the ANSI C63.10-2013. The specification used was the FCC 15.209, and FCC 15.247 limits.

EMI Test Receiver Setup

The system was investigated from 9 kHz to 25 GHz.

During the radiated emission test, the EMI test receiver Setup was set with the following configurations:

Frequency Range	RBW	VBW	IF B/W	Detector
9 kHz – 150 kHz	200 Hz	1 kHz	200 Hz	QP/Average
150 kHz – 30 MHz	9 kHz	30 kHz	9 kHz	QP/ Average
30 MHz – 1000 MHz	100 kHz	300 kHz	/	Peak
Above 1GHz	/	/	120 kHz	QP
	1MHz	3 MHz	/	Peak

Test Procedure

Maximizing procedure was performed on the highest emissions to ensure that the EUT complied with all installation combinations.

If the measured peak level of the emissions that the measuring receiver reading level plus corrected factor is at least 6 dB below the QP emission limit, there's no need to record the measured QP level of the emissions in the report.

For 9 kHz-30MHz test, the lowest height of the magnetic antenna shall be 1 m above the ground and three antenna orientations (parallel, perpendicular, and ground-parallel) shall be measured.

Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

Corrected Amplitude (dBμV/m) = Meter Reading (dBμV) + Antenna Factor (dB/m) + Cable Loss (dB) - Amplifier Gain (dB)

The "Margin" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of 7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

Note: The QuasiPeak (dBμV/m), MaxPeak (dBμV/m), Average (dBμV/m) which shown in the data table are all Corrected Amplitude.

Test Results Summary

According to the recorded data in following table, the EUT complied with the FCC Title 47, Part 15, Subpart C, section 15.205, 15.209 and 15.247.

Test Data: See Appendix

FCC §15.247(b) (3) - Maximum Conducted Output Power

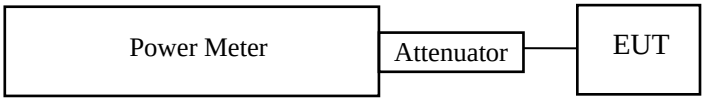
Applicable Standard

According to FCC §15.247(b) (3), for systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, Compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.

Test Procedure

According to ANSI C63.10-2013 sub-clause 11.9.1.3

The maximum peak conducted output power may be measured using a broadband peak RF power meter. The power meter shall have a video bandwidth that is greater than or equal to the DTS bandwidth and shall use a fast-responding diode detector.



Test Data: See Appendix

EUT PHOTOGRAPHS

Please refer to the attachment EXHIBIT A - EUT EXTERNAL PHOTOGRAPHS and EXHIBIT B - EUT INTERNAL PHOTOGRAPHS.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment EXHIBIT C - TEST SETUP PHOTOGRAPHS.

Appendix - TEST DATA

Environmental Conditions & Test Information

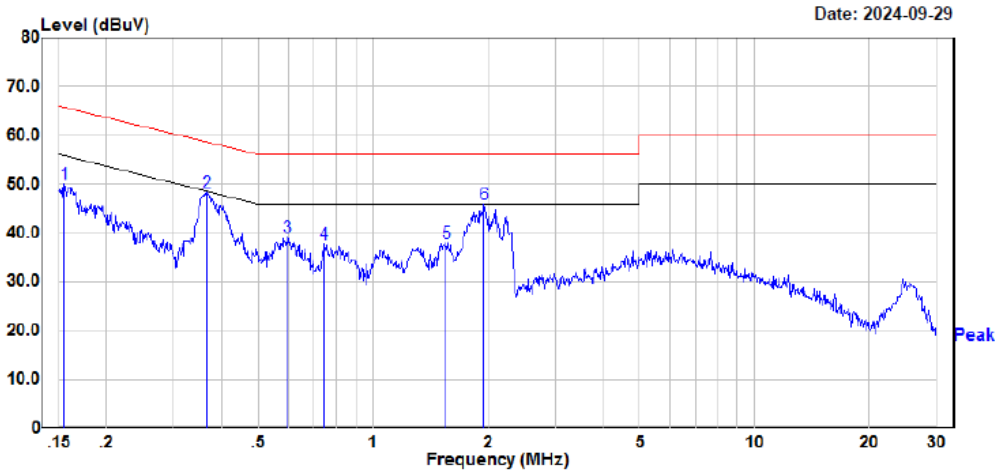
Test Item:	AC LINE CONDUCTED EMISSIONS	SPURIOUS EMISSIONS		
		9kHz - 1GHz	1 GHz - 18 GHz	18 GHz - 25 GHz
Test Date:	2024-09-29	2024-09-30	2024-09-25	2024-09-25
Temperature:	24.7 ℃	25.3 ℃	20.3 ℃	20.3 ℃
Relative Humidity:	58 %	70 %	52 %	52 %
ATM Pressure:	101.6 kPa	101.6 kPa	101.4 kPa	101.4 kPa
Test Result:	Pass	Pass	Pass	Pass
Test Engineer:	Leah Li	Richard Wen	Destine Hu	Hugh Wu

Test Item:	MAXIMUM CONDUCTED OUTPUT POWER
Test Date:	2024-09-29
Temperature:	24.7 ℃
Relative Humidity:	58 %
ATM Pressure:	101.6 kPa
Test Result:	Pass
Test Engineer:	Leah Li

AC LINE CONDUCTED EMISSIONS

EUT operation mode: Transmitting in low channel (maximum output power)

AC 120V/60 Hz, Line

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Site                : CE
Condition           : FCC PART 15.207
                    : DET:Peak
Project No.         : RKSA240812003
Model               : YE650AR
Phase               : L
Voltage             : 120V/60Hz
Mode                : BLE 1M
Test Equipment      : ENV216,ESR
Temperature         : 24.7℃
Humidity            : 58%
Atmospheric pressure: 101.6kPa
Test Engineer       : Leah Li
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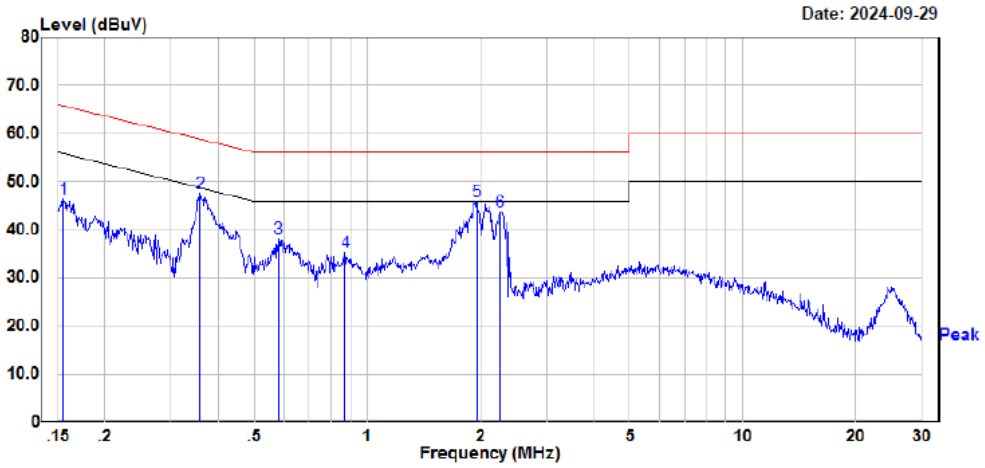
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.155	29.87	20.11	49.98	65.75	-15.77	Peak
2	0.366	28.11	20.20	48.31	58.59	-10.28	Peak
3	0.594	18.96	20.10	39.06	56.00	-16.94	Peak
4	0.743	17.67	20.01	37.68	56.00	-18.32	Peak
5	1.554	17.96	19.99	37.95	56.00	-18.05	Peak
6	1.954	25.84	20.15	45.99	56.00	-10.01	Peak

AC 120V/60 Hz, Neutral



Site : CE
Condition : FCC PART 15.207
: DET:Peak
Project No. : RKSA240812003
Model : YE650AR
Phase : N
Voltage : 120V/60Hz
Mode : BLE 1M
Test Equipment : ENV216,ESR
Temperature : 24.7℃
Humidity : 58%
Atmospheric pressure: 101.6kPa
Test Engineer : Leah Li

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.155	26.20	20.11	46.31	65.75	-19.44	Peak
2	0.359	27.50	20.20	47.70	58.76	-11.06	Peak
3	0.579	18.03	20.11	38.14	56.00	-17.86	Peak
4	0.871	15.35	19.86	35.21	56.00	-20.79	Peak
5	1.954	25.77	20.15	45.92	56.00	-10.08	Peak
6	2.258	23.65	20.18	43.83	56.00	-12.17	Peak

SPURIOUS EMISSIONS

Test Result: Compliant.

EUT operation mode: Transmitting

After pre-scan in the X, Y and Z axes of orientation, the worst case in the X axes of orientation is below:

9 kHz-30 MHz: (*Transmitting in maximum output power low channel)*

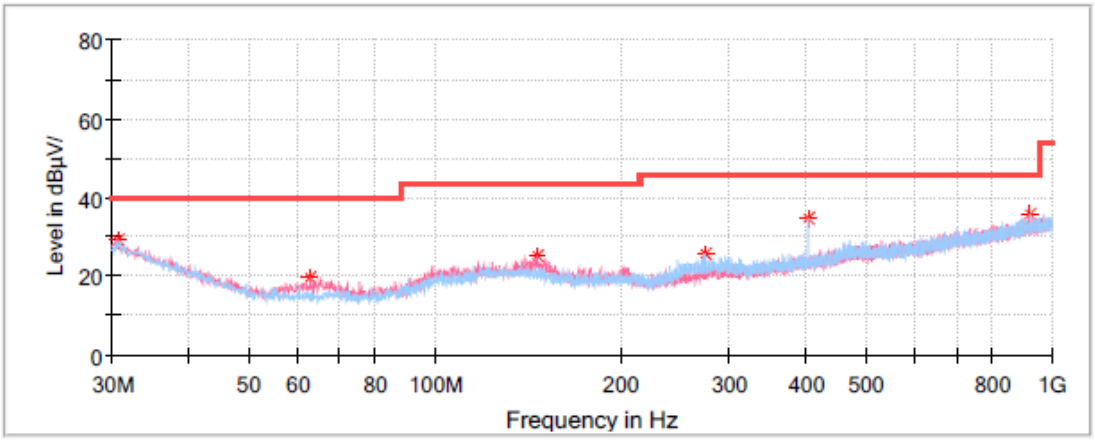
The amplitude of spurious emissions attenuated more than 20 dB below the limit was not be recorded.

30 MHz - 1 GHz: Transmitter in maximum output mode low channel

Low Channel: 2402 MHz

Common Information

Project No:	RKSA240812003
EUT Model:	YE650AR
Test Mode:	BLE
Standard:	FCC Part 15.205 &FCC Part 15.209&FCC Part 15.247
Test Equipment:	ESCI, JB3, 310N
Temperature:	25.3℃
Humidity:	70%
Barometric Pressure:	101.6kPa
Test Engineer:	Richard Wen
Test Date:	2024/9/30



Critical_Freqs

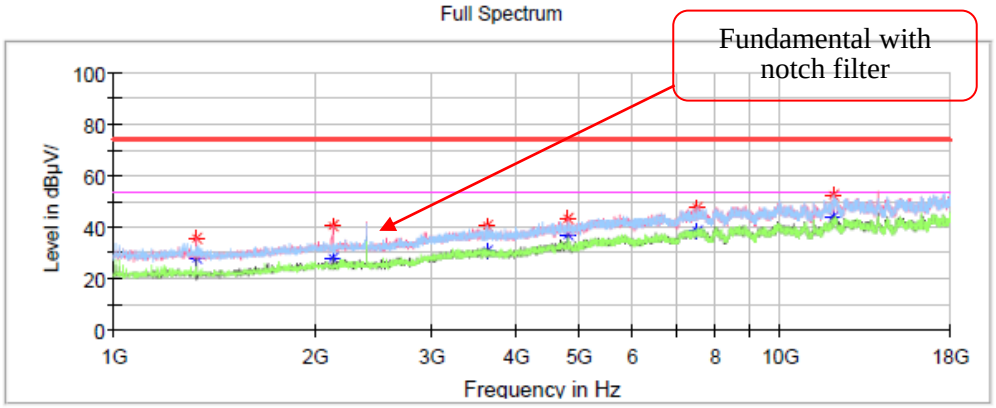
Frequency (MHz)	MaxPeak (dBµ V/m)	Limit (dBµ V/m)	Margin (dB)	Pol	Corr. (dB/m)
919.005000	35.52	46.00	10.48	H	1.3
274.925000	25.87	46.00	20.13	H	-11.0
30.606250	29.17	40.00	10.83	H	-5.1
402.116250	34.74	46.00	11.26	H	-7.9
62.980000	19.65	40.00	20.35	V	-17.4
146.521250	25.29	43.50	18.21	V	-11.7

1GHz-18GHz:

Low Channel: 2402 MHz

Common Information

Project No.:	RKSA240812003
Test Mode:	BLE 1M
Standard:	FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Engineer:	Destine Hu



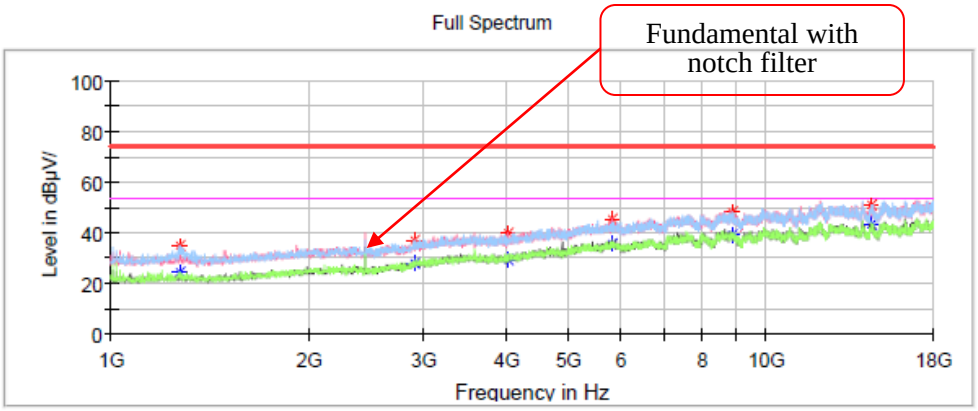
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1331.500000	---	28.29	54.00	25.71	V	-15.0
1331.500000	36.01	---	74.00	37.99	V	-15.0
2128.800000	---	28.19	54.00	25.81	V	-11.3
2128.800000	40.77	---	74.00	33.23	V	-11.3
3623.100000	---	30.86	54.00	23.14	H	-6.2
3623.100000	40.45	---	74.00	33.55	H	-6.2
4802.900000	---	37.01	54.00	16.99	V	-3.2
4802.900000	43.20	---	74.00	30.80	V	-3.2
7494.000000	---	38.11	54.00	15.89	H	3.9
7494.000000	47.81	---	74.00	26.19	H	3.9
12060.200000	---	43.82	54.00	10.18	V	9.1
12060.200000	52.40	---	74.00	21.60	V	9.1

Middle Channel: 2440 MHz

Common Information

Project No.:	RKSA240812003
Test Mode:	BLE 1M
Standard:	FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Engineer:	Destine Hu



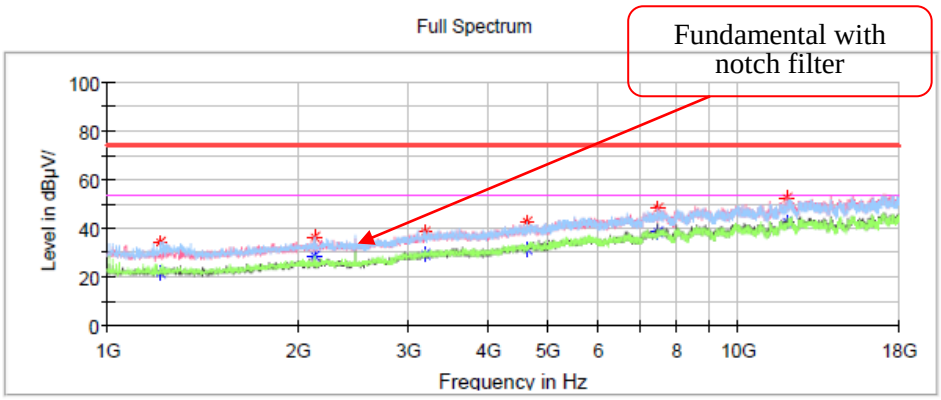
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1270.300000	---	24.15	54.00	29.85	H	-15.1
1270.300000	35.00	---	74.00	39.00	H	-15.1
2897.200000	---	28.09	54.00	25.91	H	-8.8
2897.200000	36.82	---	74.00	37.18	H	-8.8
4031.100000	---	29.23	54.00	24.77	V	-5.8
4031.100000	39.91	---	74.00	34.09	V	-5.8
5819.500000	---	35.67	54.00	18.33	V	-0.1
5819.500000	45.71	---	74.00	28.29	V	-0.1
8876.100000	---	39.00	54.00	15.00	H	5.4
8876.100000	48.09	---	74.00	25.91	H	5.4
14487.800000	---	43.44	54.00	10.56	H	9.4
14487.800000	51.30	---	74.00	22.70	H	9.4

High Channel: 2480 MHz

Common Information

Project No.:	RKSA240812003
Test Mode:	BLE 1M
Standard:	FCC Part 15.247& FCC Part 15.205& FCC Part 15.209
Test Engineer:	Destine Hu

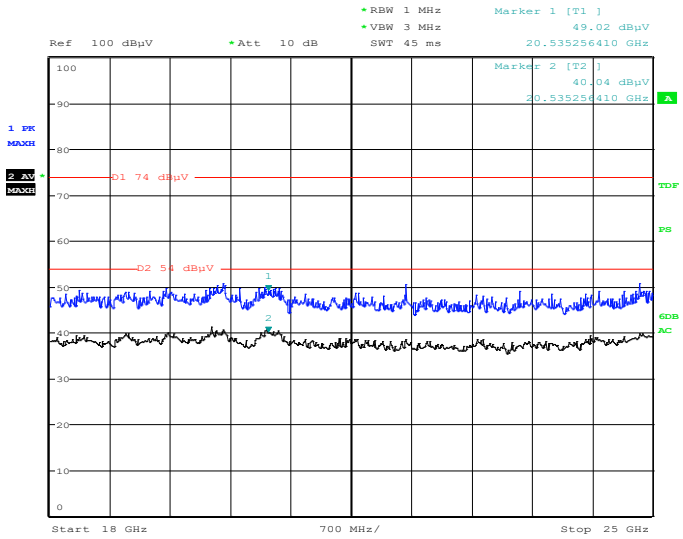


Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1212.500000	---	21.86	54.00	32.14	H	-15.1
1212.500000	34.33	---	74.00	39.67	H	-15.1
2125.400000	---	28.46	54.00	25.54	H	-11.3
2125.400000	36.02	---	74.00	37.98	H	-11.3
3184.500000	---	29.60	54.00	24.40	H	-7.7
3184.500000	38.48	---	74.00	35.52	H	-7.7
4629.500000	---	31.72	54.00	22.28	H	-3.8
4629.500000	42.76	---	74.00	31.24	H	-3.8
7441.300000	---	38.16	54.00	15.84	V	3.7
7441.300000	48.47	---	74.00	25.53	V	3.7
11937.800000	---	42.55	54.00	11.45	V	9.0
11937.800000	52.29	---	74.00	21.71	V	9.0

18 GHz - 25 GHz (low channel was worst):

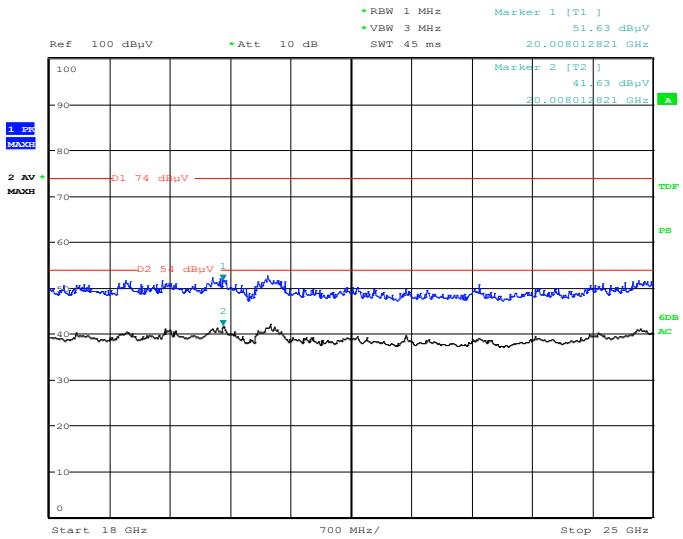
Horizontal



Project No :RKSA240812003 Tester :Hugh Wu

Date: 25.SEP.2024 17:34:09

Vertical



Project No :RKSA240812003 Tester :Hugh Wu

Date: 25.SEP.2024 17:52:07

Note: The test distance is 3m. The limit is 74dBµV/m(Peak) and 54dBµV/m(Average).

MAXIMUM CONDUCTED OUTPUT POWER

Test Result: Compliant.

EUT operation mode: Transmitting

Mode	Channel	Frequency (MHz)	Max Conducted Peak Output Power (dBm)	Limit (dBm)	Result
BLE (1Mbps)	Low	2402	6.05	30	Pass
	Middle	2440	5.71	30	Pass
	High	2480	5.52	30	Pass

Declarations

1. The laboratory is not responsible for the authenticity of any information provided by the applicant. Information from the applicant that may affect test results is marked with "★".

2. The test data was only valid for the test sample(s).

3. This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.

4. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

5. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor k=2 with the 95.45% confidence interval.

******* END OF REPORT *******