FCC PART 15.247

TEST REPORT

For

ONEKEY LIMITED

Rm 1517, 15F Amiata Industrial Building, 58 Lei Muk Road, Kwai Chung, Hong Kong

FCC ID: 2BB8VP1

Report Type:	**Product Name:**
Original Report	Crypto Hardware Wallet

Report Number:	RKSA240710002-00B
Report Date:	2024-09-03
Reviewed By:	Bard Liu
Approved By:	Kyle Xu
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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REPORT REVISION HISTORY

Number of Revisions	Report No.	Version	Issue Date	Description
0	RKSA240710002-00B	R1V1	2024-09-03	Initial Release

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant:	ONEKEY LIMITED
Tested Model:	OneKey Pro
Product Name:	Crypto Hardware Wallet
Power Supply:	DC 5V or DC 3.8V from battery
RF Function:	BLE 1Mbps, BLE 2Mbps
Operating Band/Frequency:	2402-2480MHz
Maximum Output Power:	BLE (1 Mbps): -2.75 dBm BLE (2 Mbps): -2.97 dBm
Channel Number:	40
Channel Separation:	2 MHz
Modulation Type	GFSK
Antenna Type:	Ceramic Antenna
★Maximum Antenna Gain:	5.19 dBi

Note: The highest operation frequency was provided by the applicant.

All measurement and tested data in this report was gathered from production sample serial number: RKSA240710002-1 (Assigned by BACL (Kunshan). The EUT supplied by the applicant was received on 2024-07-10.)

Objective

This report is prepared for *ONEKEY LIMITED* 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 Compliant 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.

All emissions measurement was performed at Bay Area Compliance Laboratories Corp. (Kunshan). The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

Measurement Uncertainty

Item		Uncertainty
AC Power Lines Conducted Emissions		3.19 dB
RF conducted test with spectrum		0.9 dB
RF Output Power with Power meter		0.5 dB
Radiated emissions	9 kHz~150 kHz	3.8 dB
	150 kHz~30 MHz	3.4 dB
	30MHz~1GHz	6.11 dB
	1GHz~6GHz	4.45 dB
	6GHz~18GHz	5.23 dB
	18GHz~40GHz	5.65 dB
Occupied Bandwidth		0.5 kHz
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: nrfconnect-setup-5.0.0-x64

★Power level: 8

Note: The power level was declared by the applicant.

Special Accessories

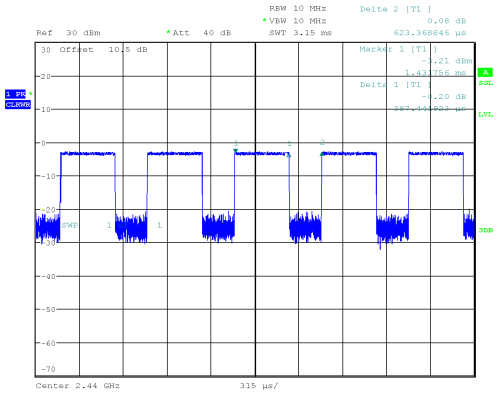
No special accessory.

Equipment Modifications

No modification was made to the EUT tested.

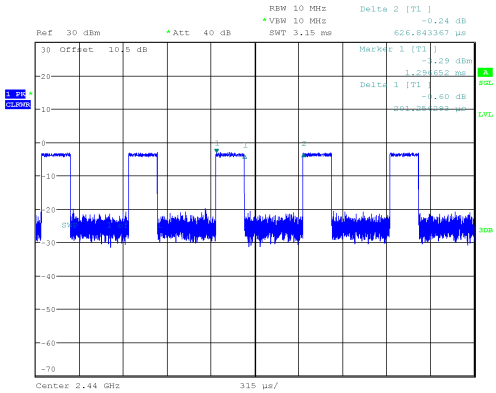
Duty Cycle:

BLE (1 Mbps)



ProjectNo.:RKSA240710002 Tester:Neil Zhou
Date: 16.AUG.2024 14:55:36

BLE (2 Mbps)



ProjectNo.:RKSA240710002 Tester:Neil Zhou
Date: 25.JUL.2024 11:04:06

Mode	Duty Cycle (%)	T_{on}(ms)	T_{on+off}(ms)	10log(1/x)
BLE (1 Mbps)	62.12	0.387	0.623	2.07
BLE (2 Mbps)	32.06	0.201	0.627	4.94

Note: “x” means the Duty Cycle.

Support Equipment List and Details

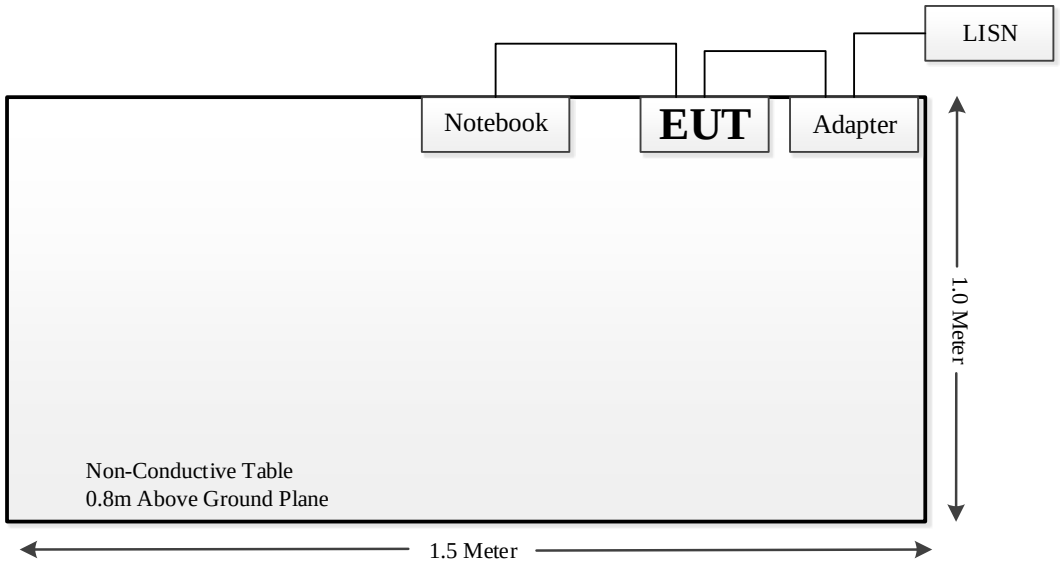
Manufacturer	Description	Model	Serial Number
Dell	Notebook	E6410	3094742521
XIAMEN DONGANG ILLUMINATION TECHNOLOGY CO., LTD	Adapter	DA-0052000UL001	Unknown

External I/O Cable

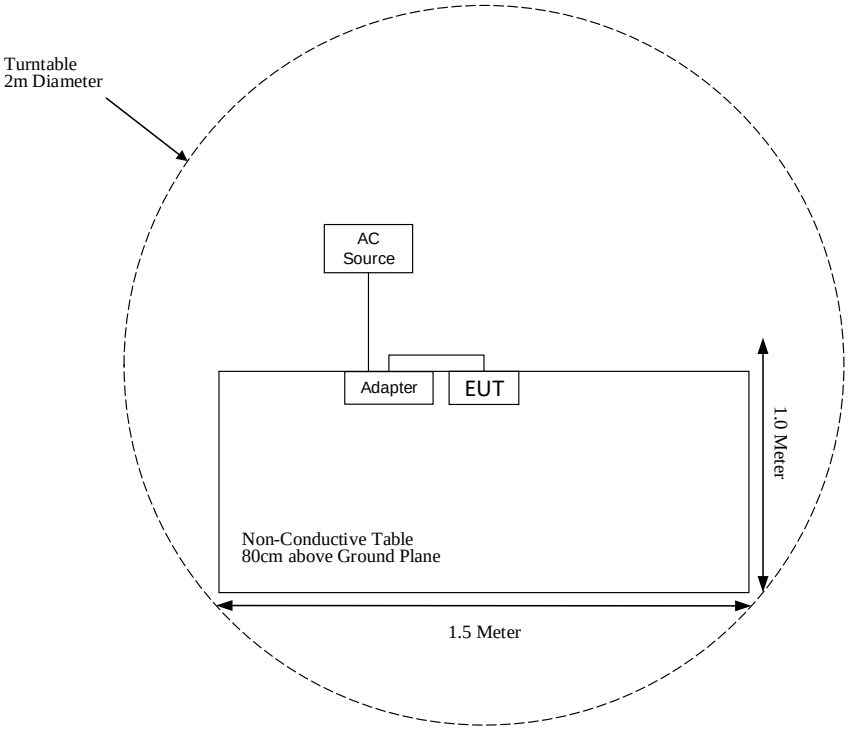
Cable Description	Length (m)	From Port	To
Data Cable	1.0	EUT	Notebook
Power Cable	1.0	AC Source/LISN	Adapter
USB Cable	1.0	Adapter	EUT

Block Diagram of Test Setup

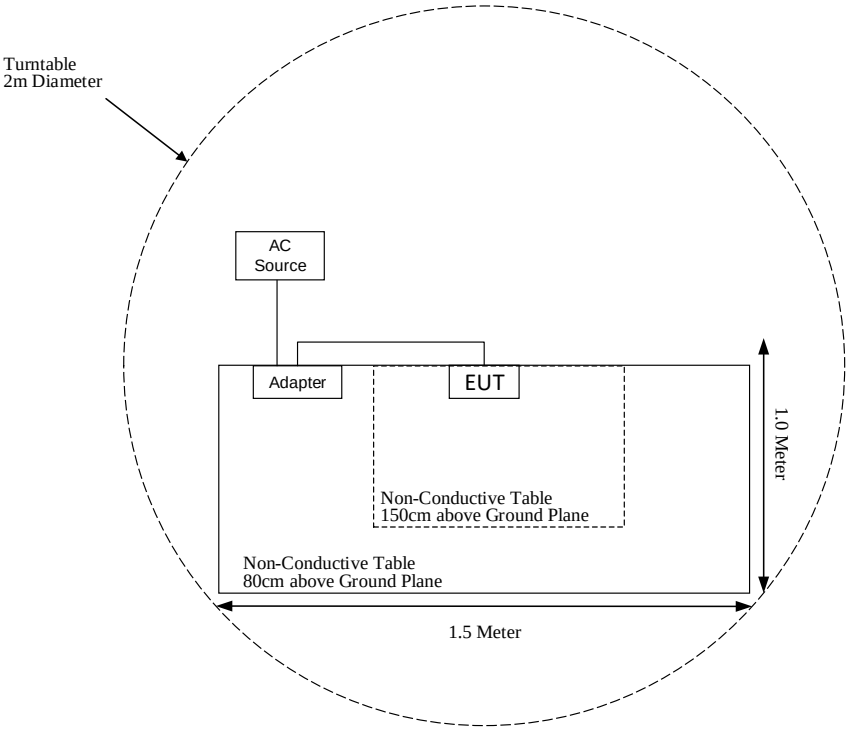
For Conducted Emissions:



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	Pre-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	2024-04-23	2025-04-22
Narda	Attenuator	10dB	010	2024-04-23	2025-04-22
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
RF Conducted Test					
Rohde & Schwarz	Spectrum Analyzer	FSIQ26	100048	2024-04-24	2025-04-23
Narda	Attenuator	10dB	010	2024-04-23	2025-04-22
XHFDZ	RG178 Coaxial Cable	SMA-178	XHF-1102	Each time	N/A
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	2024-04-23	2025-04-22
MICRO-COAX	Coaxial Cable	Cable-15	015	2024-04-23	2025-04-22

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
§1.1307(b)(1)& §2.1093	RF EXPOSURE	Compliant
§15.203	Antenna Requirement	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

FCC §1.1307(b) & §2.1093 - RF EXPOSURE

Applicable Standard

According to§15.247(i) and §1.1310, systems operating under the provisions of this section shall be operated in a manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

According to KDB447498 D01 General RF Exposure Guidance v06:

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:
[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] [√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where
• f(GHz) is the RF channel transmit frequency in GHz
• Power and distance are rounded to the nearest mW and mm before calculation
• The result is rounded to one decimal place for comparison
• 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

Measurement Result

BLE mode:

Mode	Frequency Range (MHz)	Max Tune-up Conducted Power		Calculated Distance (mm)	Calculated Value	Threshold (1-g SAR)	SAR Test Exclusion
		(dBm)	(mW)				
BLE	2402-2480	-2.5	0.56	5.0	0.176	3.0	Yes

Result: So the standalone SAR evaluation is not necessary.

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 Ceramic antenna for BLE, and the antenna gain is 5.19 dBi, which is permanently attached to the unit, fulfill the requirement of this section. Please refer to the EUT photos.

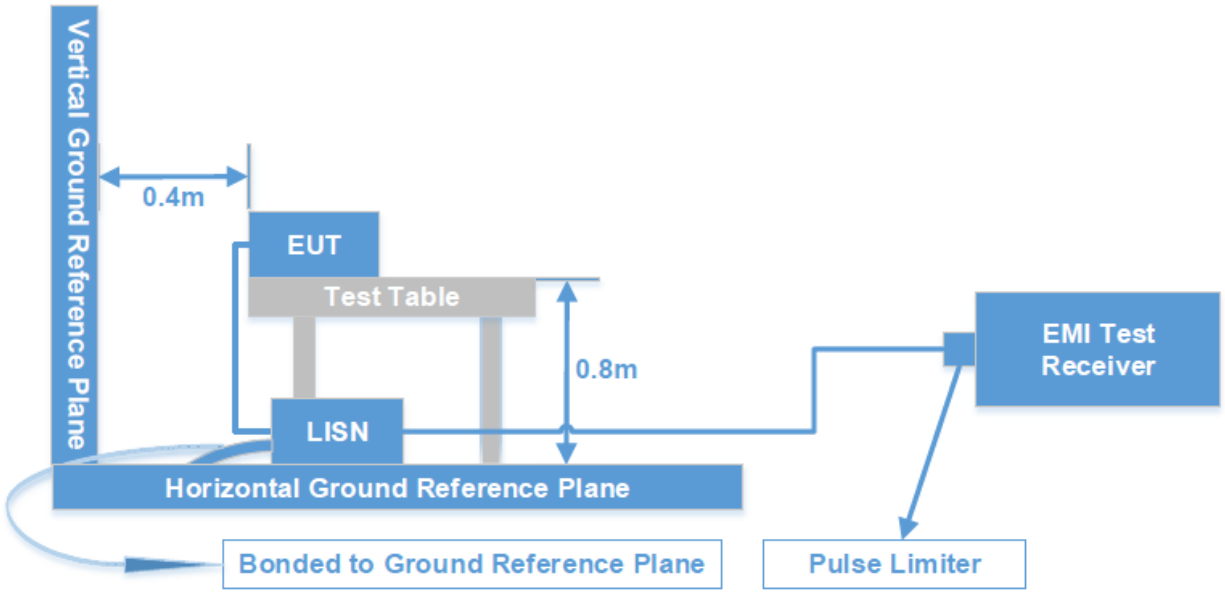
Result: Compliant.

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

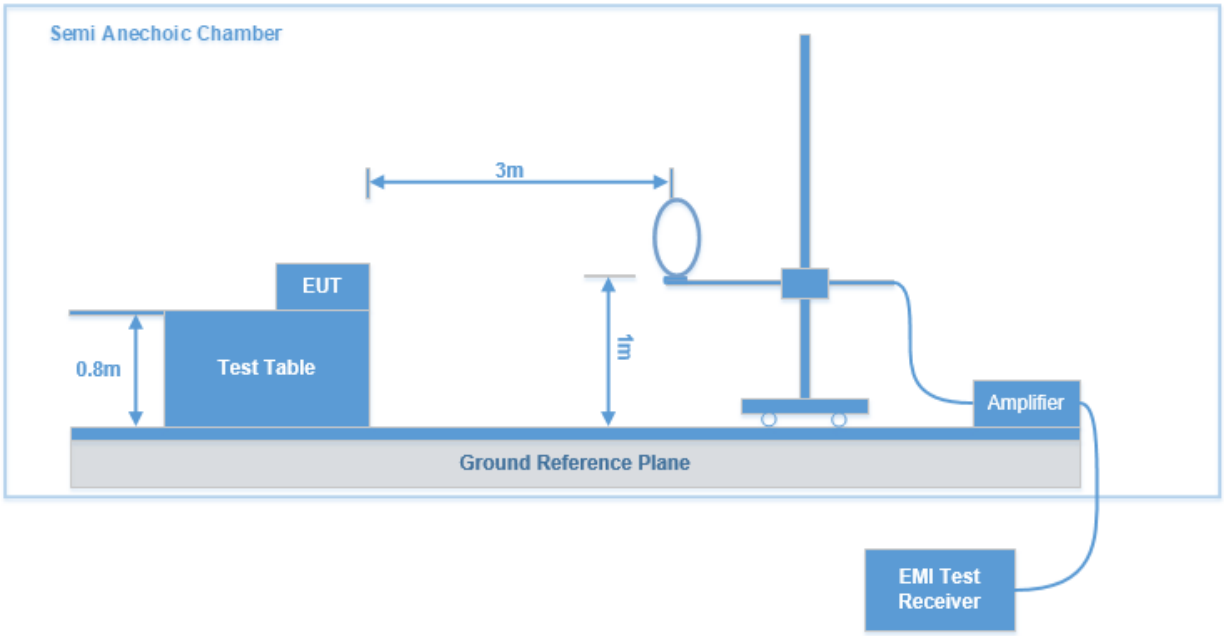
FCC §15.209, §15.205 & §15.247(d) - SPURIOUS EMISSIONS

Applicable Standard

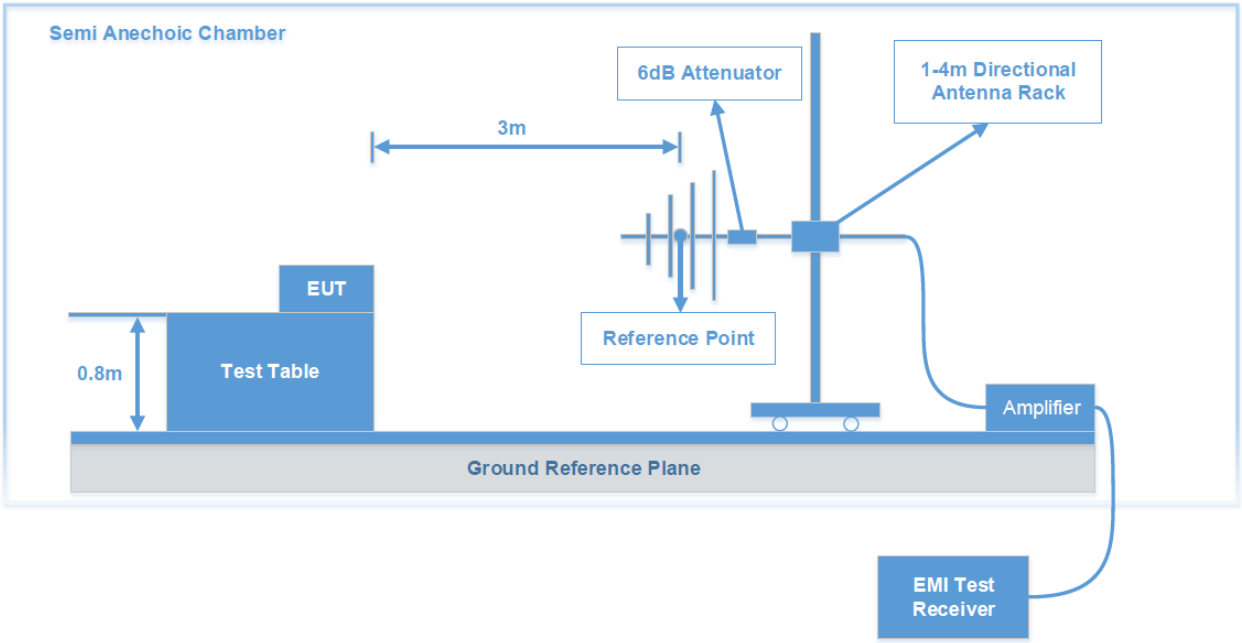
FCC §15.247 (d); §15.209; §15.205;

Test System Setup

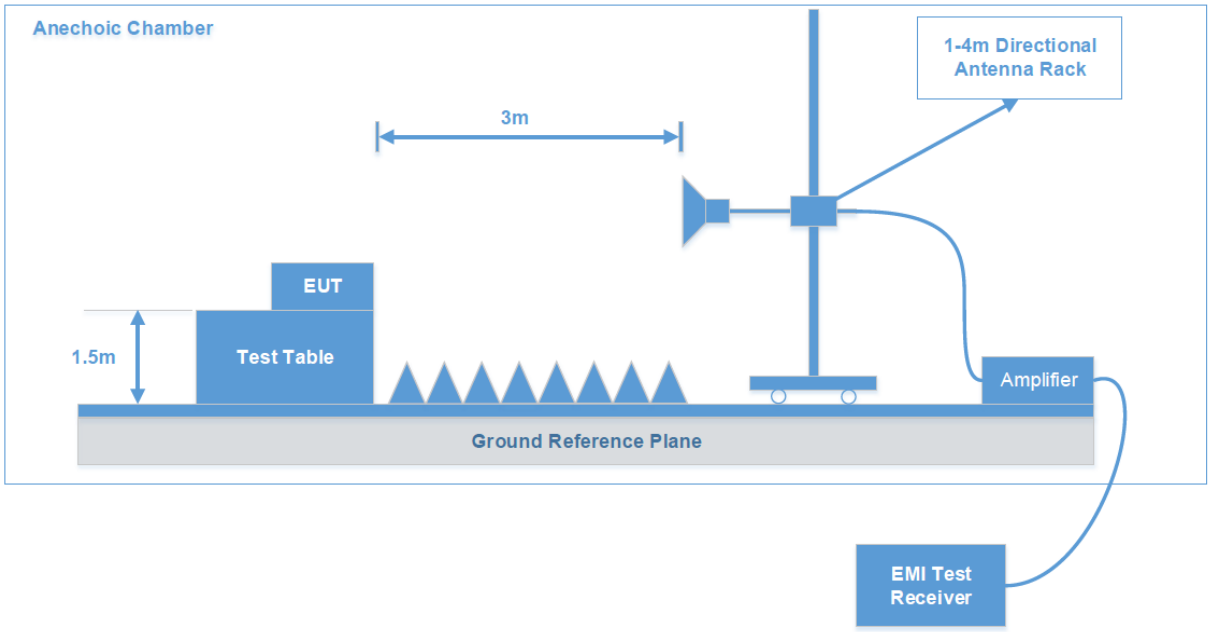
9 kHz – 30 MHz:



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	Measurement
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
	/	/	120 kHz	QP
Above 1GHz	1MHz	3 MHz	/	Peak
	1MHz	3 MHz	/	Average

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(a) (2) – 6 dB EMISSION BANDWIDTH

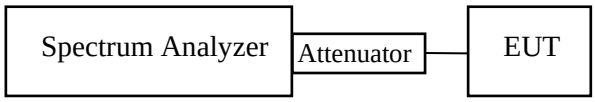
Applicable Standard

Systems using digital modulation techniques may operate in the 902–928 MHz, 2400–2483.5 MHz, and 5725–5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

Test Procedure

According to ANSI C63.10-2013 sub-clause 11.8.1

1. Set RBW = 100 kHz.
2. Set the video bandwidth (VBW) ≥ 3 * RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.



Test Data: See Appendix

FCC §15.247(b) (3) - MAXIMUM CONDUCTED OUTPUT POWER

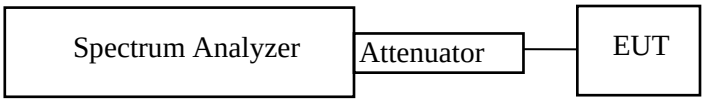
Applicable Standard

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 11.9.1.1

1. Set the RBW ≥ DTS bandwidth.
2. Set VBW ≥ 3 * RBW.
3. Set span ≥ 3 * RBW
4. Sweep time = auto couple.
5. Detector = peak.
6. Trace mode = max hold.
7. Allow trace to fully stabilize.
8. Use peak marker function to determine the peak amplitude level.



Test Data: See Appendix

FCC §15.247(d) – BAND EDGE

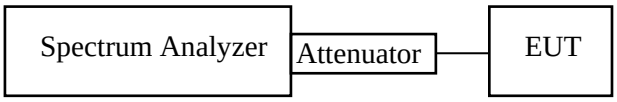
Applicable Standard

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

Test Procedure

According to ANSI C63.10-2013 sub-clause 6.10.

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
3. Set RBW to 100 kHz and VBW of spectrum analyzer to 300 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.
4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
5. Repeat above procedures until all measured frequencies were complete.



Test Data: See Appendix

FCC §15.247(e) - POWER SPECTRAL DENSITY

Applicable Standard

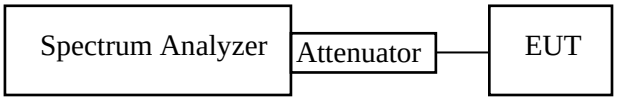
For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

Test Procedure

According to ANSI C63.10-2013 sub-clause 11.10.2

The following procedure shall be used if maximum peak conducted output power was used to determine compliance, and it is optional if the maximum conducted (average) output power was used to determine compliance:

1. Set the RBW to: 3kHz≤ RBW≤100 kHz.
2. Set the VBW ≥ 3*RBW.
3. Set the span to 1.5 times the DTS bandwidth.
4. Detector = peak.
5. Sweep time = auto couple.
6. Trace mode = max hold.
7. Allow trace to fully stabilize.
8. Use the peak marker function to determine the maximum amplitude level within the RBW.
9. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.



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

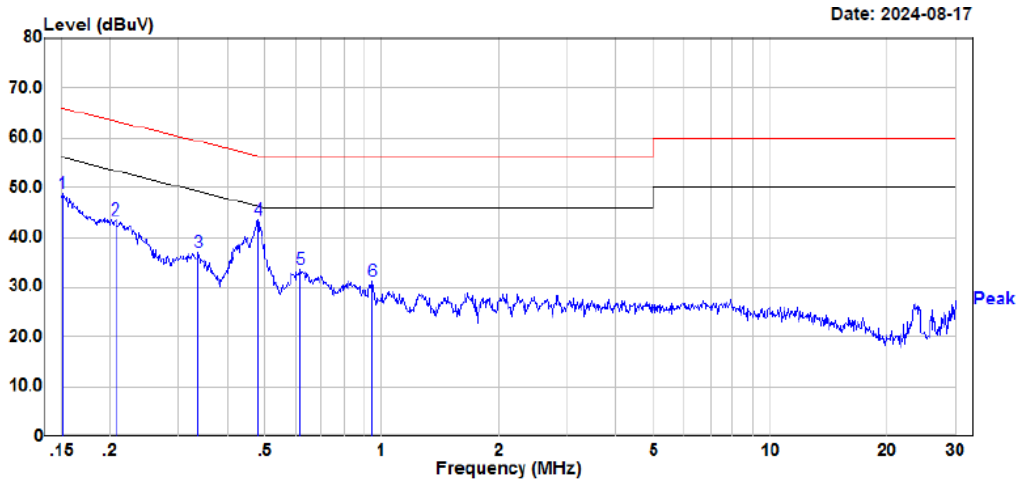
Test Item:	AC LINE CONDUCTED EMISSIONS	SPURIOUS EMISSIONS		
		9kHz - 1GHz	1 GHz - 18 GHz	18 GHz - 25 GHz
Test Date:	2024-08-02 to 2024-08-17	2024-07-22to 2024-08-27	2024-08-15	2024-09-02
Temperature:	24.1-27.7 ℃	25.4-26.8 ℃	25.3 ℃	24.8 ℃
Relative Humidity:	45-46 %	41-52 %	52 %	50 %
ATM Pressure:	100.6-100.7 kPa	100.3-100.7 kPa	100.4 kPa	100.3 kPa
Test Result:	Pass	Pass	Pass	Pass
Test Engineer:	Leah Li	Grace Luo	Destine Hu &Klein Zhu	Hugh Wu

Test Item:	6 DB EMISSION BANDWIDTH	MAXIMUM CONDUCTED OUTPUT POWER	BAND EDGE	POWER SPECTRAL DENSITY
Test Date:	2024-07-25 to 2024-08-16	2024-07-25 to 2024-08-16	2024-07-25 to 2024-08-16	2024-07-25 to 2024-08-16
Temperature:	24.7-25.6 ℃	24.7-25.6 ℃	24.7-25.6 ℃	24.7-25.6 ℃
Relative Humidity:	46-50 %	46-50 %	46-50 %	46-50 %
ATM Pressure:	100.3-100.6 kPa	100.3-100.6 kPa	100.3-100.6 kPa	100.3-100.6 kPa
Test Result:	Pass	Pass	Pass	Pass
Test Engineer:	Neil Zhou	Neil Zhou	Neil Zhou	Neil Zhou

AC LINE CONDUCTED EMISSIONS

EUT operation mode: Transmitting in BLE (1 Mbps) low channel (maximum output power)

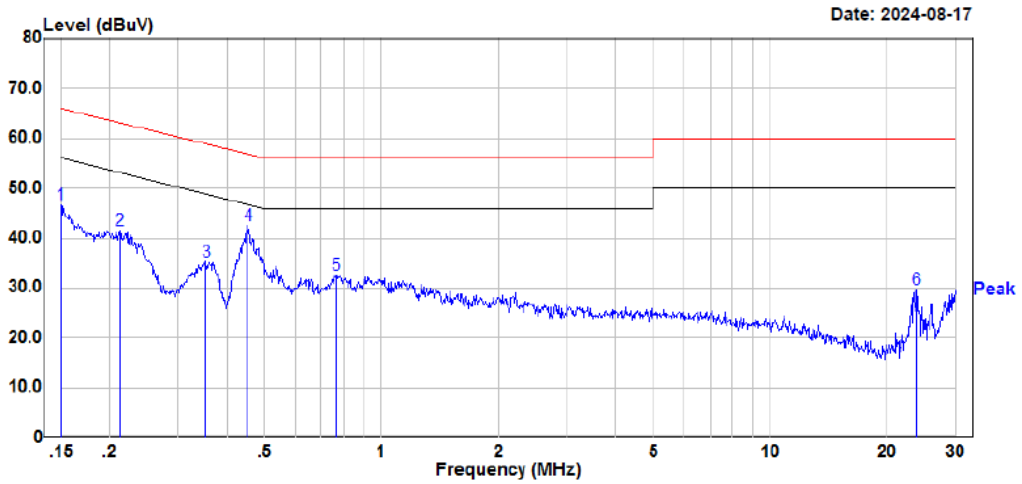
AC 120V/60 Hz, Line




```
Site                : CE
Condition           : FCC PART 15.207
                    : DET:Peak
Project             : RKSA240710002
Model               : OneKey Pro
Phase               : L
Voltage             : 120V/60Hz
Mode                : BLE 1M
Test Equipment      : ENV216,ESR
Temperature         : 24.1℃
Humidity            : 46%
Atmospheric pressure: 100.7kPa
Test Engineer       : Leah Li
```

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.151	28.77	20.12	48.89	65.96	-17.07	Peak
2	0.206	23.41	20.12	43.53	63.35	-19.82	Peak
3	0.336	16.80	20.19	36.99	59.29	-22.30	Peak
4	0.479	23.45	20.17	43.62	56.35	-12.73	Peak
5	0.615	13.52	20.09	33.61	56.00	-22.39	Peak
6	0.944	11.30	19.78	31.08	56.00	-24.92	Peak

AC 120V/60 Hz, Neutral

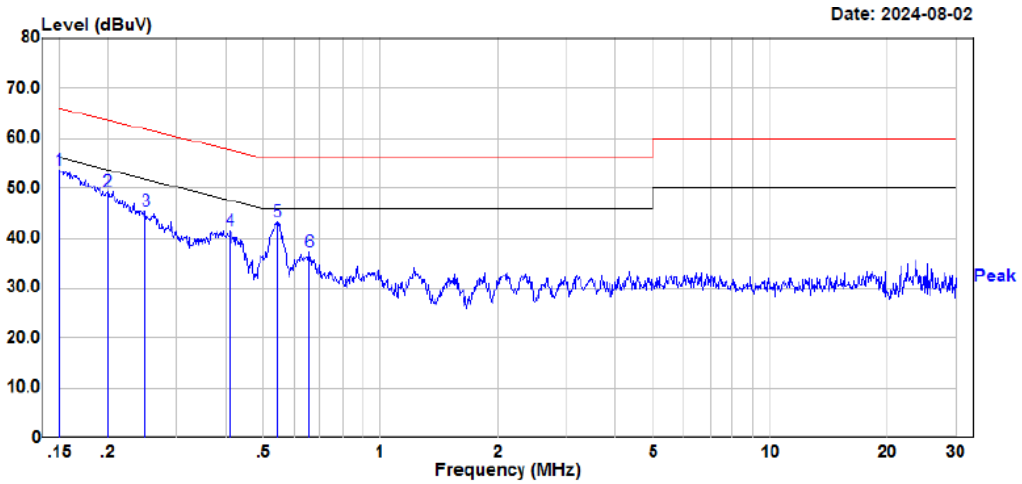


Site : CE
Condition : FCC PART 15.207
: DET:Peak
Project : RKSA240710002
Model : OneKey Pro
Phase : N
Voltage : 120V/60Hz
Mode : BLE 1M
Test Equipment : ENV216,ESR
Temperature : 24.1℃
Humidity : 46%
Atmospheric pressure: 100.7kPa
Test Engineer : Leah Li

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.150	26.51	20.12	46.63	66.00	-19.37	Peak
2	0.213	21.35	20.12	41.47	63.10	-21.63	Peak
3	0.354	15.04	20.19	35.23	58.88	-23.65	Peak
4	0.454	22.22	20.22	42.44	56.81	-14.37	Peak
5	0.765	12.57	19.98	32.55	56.00	-23.45	Peak
6	23.853	9.83	19.80	29.63	60.00	-30.37	Peak

EUT operation mode: Transmitting in BLE (2 Mbps) low channel (maximum output power)

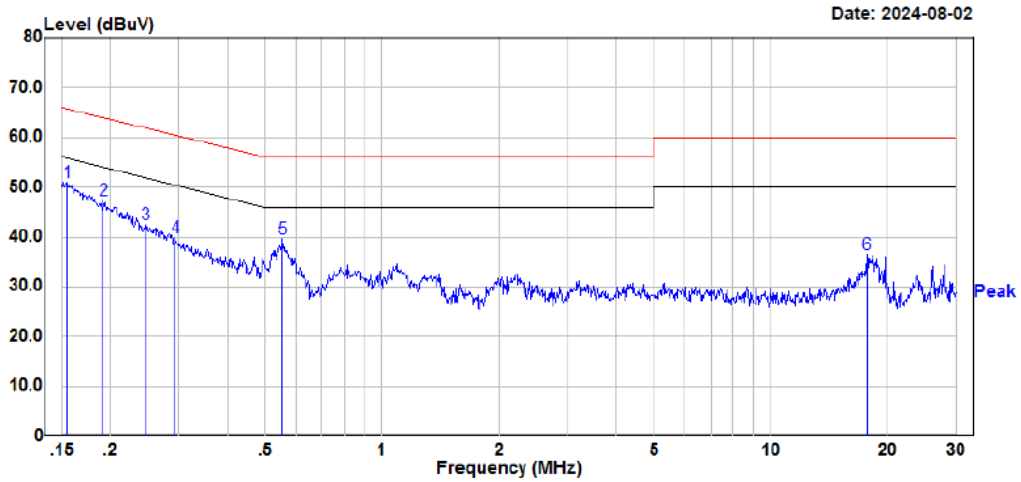
AC 120V/60 Hz, Line




```
Site                : CE
Condition           : limit\FCC Part 15.207
                    : DET:Peak
Project             : RKSA240710002
Model               : OneKey Pro
Phase               : L
Voltage             : 120V/60Hz
Mode                : BLE 2M
Test Equipment      : ENV216,ESR
Temperature         : 27.7℃
Humidity            : 45%
Atmospheric pressure: 100.6kPa
Test Engineer       : Leah Li
```

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.150	33.60	20.12	53.72	66.00	-12.28	Peak
2	0.199	29.25	20.11	49.36	63.64	-14.28	Peak
3	0.249	25.27	20.14	45.41	61.78	-16.37	Peak
4	0.411	21.40	20.21	41.61	57.64	-16.03	Peak
5	0.543	23.14	20.12	43.26	56.00	-12.74	Peak
6	0.656	17.11	20.08	37.19	56.00	-18.81	Peak

AC 120V/60 Hz, Neutral




```
Site                : CE
Condition           : limit\FCC Part 15.207
                    : DET:Peak
Project             : RKSA240710002
Model               : OneKey Pro
Phase               : N
Voltage             : 120V/60Hz
Mode                : BLE 2M
Test Equipment      : ENV216,ESR
Temperature         : 27.7℃
Humidity            : 45%
Atmospheric pressure: 100.6kPa
Test Engineer       : Leah Li
```

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.155	30.94	20.11	51.05	65.75	-14.70	Peak
2	0.192	27.16	20.11	47.27	63.97	-16.70	Peak
3	0.247	22.39	20.13	42.52	61.86	-19.34	Peak
4	0.294	19.70	20.16	39.86	60.41	-20.55	Peak
5	0.554	19.53	20.11	39.64	56.00	-16.36	Peak
6	17.688	16.69	19.73	36.42	60.00	-23.58	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:

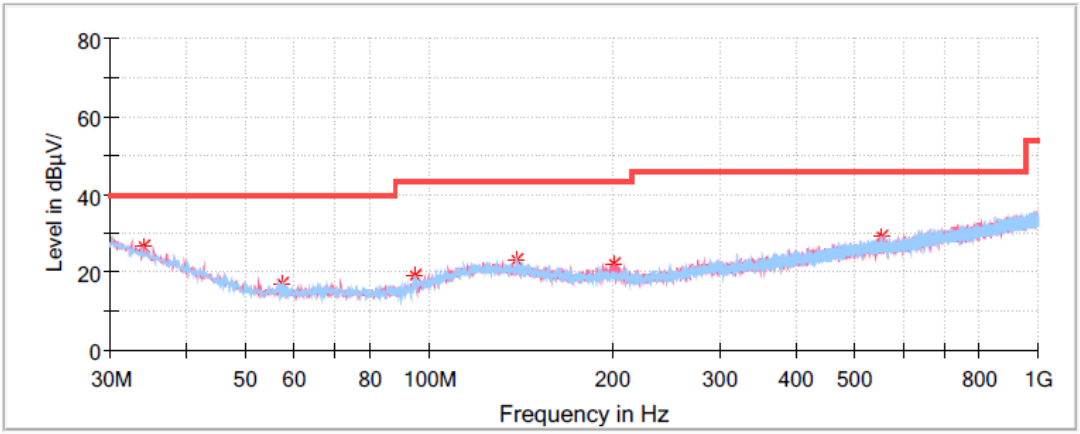
9 kHz-30 MHz: (*Transmitting in maximum output power BLE (1 Mbps) low channel)*
The amplitude of spurious emissions attenuated more than 20 dB below the limit was not be recorded.

BLE (1 Mbps)
30 MHz - 1 GHz:

Low Channel: 2402 MHz

Common Information

Project No:	RKSA240710002
EUT Model:	OneKey Pro
Test Mode:	Transmitting in BLE 1M mode low channel
Standard:	FCC Part 15.205 & FCC Part 15.209&FCC Part 15.247
Test Equipment:	ESCI, JB3, 310N
Temperature:	26.8℃
Humidity:	52%
Barometric Pressure:	100.3kPa
Test Engineer:	Grace Luo
Test Date:	2024/8/27



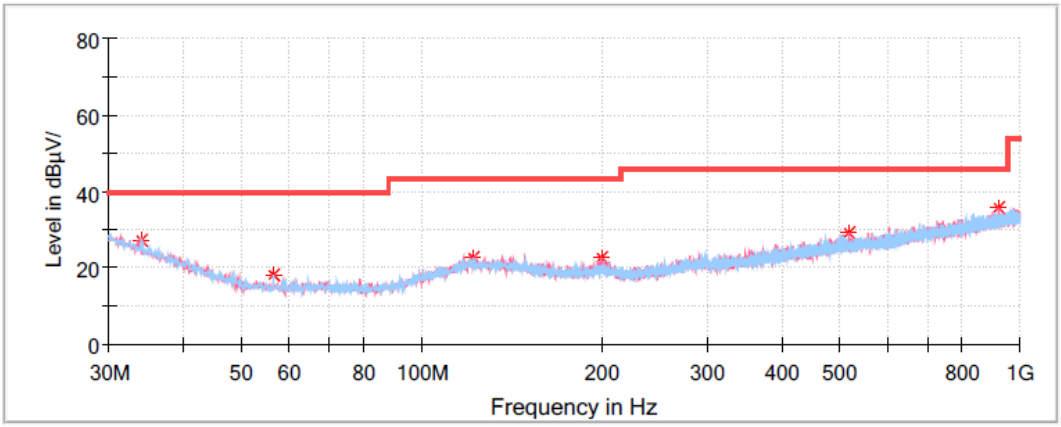
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµ V/m)	Limit (dBµ V/m)	Margin (dB)	Pol	Corr. (dB/m)
34.122500	26.62	40.00	13.38	V	-7.5
57.402500	16.97	40.00	23.03	V	-17.4
95.232500	19.23	43.50	24.27	H	-15.6
139.731250	23.22	43.50	20.28	H	-11.4
201.083750	22.24	43.50	21.26	V	-12.3
551.981250	29.38	46.00	16.62	H	-4.8

Middle Channel: 2440 MHz

Common Information

Project No:	RKSA240710002
EUT Model:	OneKey Pro
Test Mode:	Transmitting in BLE 1M mode middle channel
Standard:	FCC Part 15.205 & FCC Part 15.209&FCC Part 15.247
Test Equipment:	ESCI, JB3, 310N
Temperature:	26.8℃
Humidity:	52%
Barometric Pressure:	100.3kPa
Test Engineer:	Grace Luo
Test Date:	2024/8/27



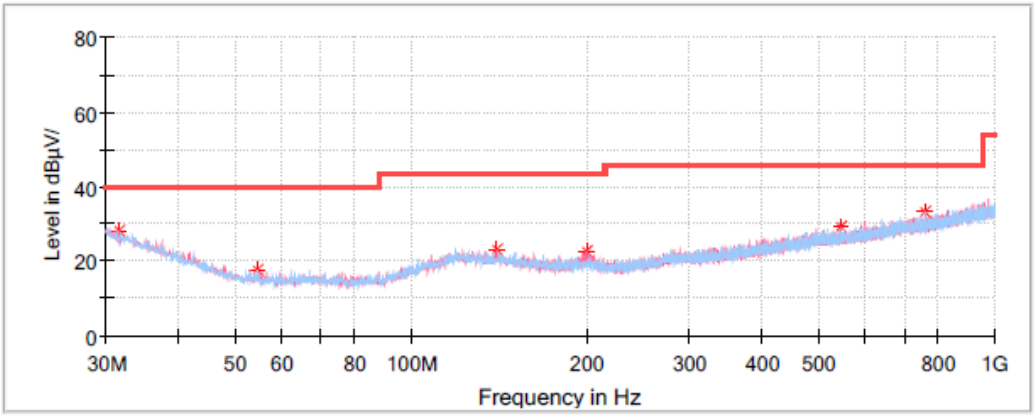
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµ V/m)	Limit (dBµ V/m)	Margin (dB)	Pol	Corr. (dB/m)
34.122500	27.31	40.00	12.69	H	-7.5
56.553750	18.03	40.00	21.97	H	-17.3
122.028750	22.43	43.50	21.07	H	-10.9
200.113750	22.51	43.50	20.99	V	-12.2
517.667500	29.15	46.00	16.85	V	-5.2
922.763750	35.51	46.00	10.49	V	1.3

High Channel:2480 MHz

Common Information

Project No:	RKSA240710002
EUT Model:	OneKey Pro
Test Mode:	Transmitting in BLE 1M mode high channel
Standard:	FCC Part 15.205 & FCC Part 15.209&FCC Part 15.247
Test Equipment:	ESCI, JB3, 310N
Temperature:	26.8℃
Humidity:	52%
Barometric Pressure:	100.3kPa
Test Engineer:	Grace Luo
Test Date:	2024/8/27



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµ V/m)	Limit (dBµ V/m)	Margin (dB)	Pol	Corr. (dB/m)
31.576250	28.06	40.00	11.94	V	-5.8
54.735000	17.57	40.00	22.43	H	-17.1
140.337500	22.90	43.50	20.60	V	-11.4
200.356250	22.72	43.50	20.78	V	-12.2
546.282500	29.40	46.00	16.60	V	-4.9
759.803750	33.40	46.00	12.60	H	-1.3

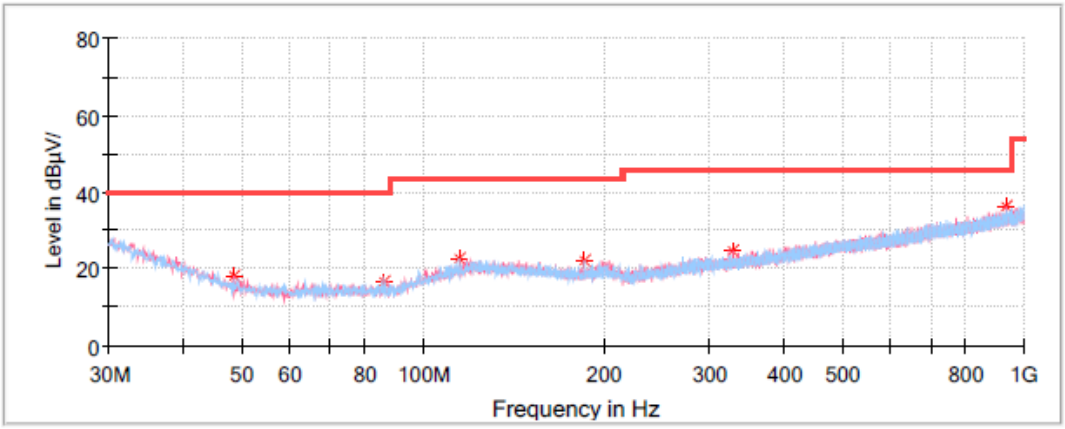
BLE (2 Mbps)

30 MHz - 1 GHz:

Low Channel: 2402 MHz

Common Information

Project No:	RKSA240710002
EUT Model:	OneKey Pro
Test Mode:	Transmitting in BLE 2M mode low channel
Standard:	FCC Part 15.205 & FCC Part 15.209&FCC Part 15.247
Test Equipment:	ESCI, JB3, 310N
Temperature:	25.4℃
Humidity:	41%
Barometric Pressure:	100.7kPa
Test Engineer:	Grace Luo
Test Date:	2024/7/22



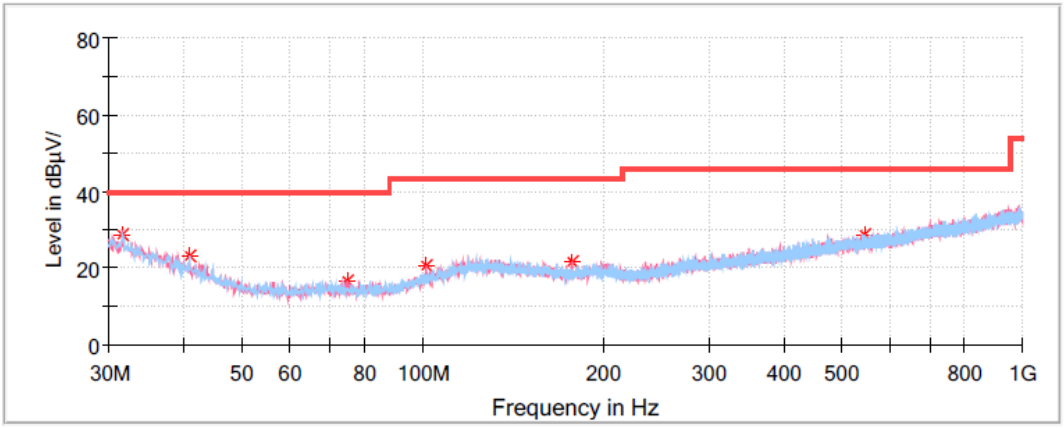
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµ V/m)	Limit (dBµ V/m)	Margin (dB)	Pol	Corr. (dB/m)
48.308750	18.23	40.00	21.77	V	-15.9
86.502500	16.83	40.00	23.17	H	-17.1
114.753750	22.51	43.50	20.99	H	-11.8
185.321250	22.32	43.50	21.18	H	-12.8
328.032500	24.77	46.00	21.23	V	-9.8
932.706250	36.01	46.00	9.99	V	1.4

Middle Channel: 2440 MHz

Common Information

Project No:	RKSA240710002
EUT Model:	OneKey Pro
Test Mode:	Transmitting in BLE 2M mode middle channel
Standard:	FCC Part 15.205 & FCC Part 15.209&FCC Part 15.247
Test Equipment:	ESCI, JB3, 310N
Temperature:	25.4℃
Humidity:	41%
Barometric Pressure:	100.7kPa
Test Engineer:	Grace Luo
Test Date:	2024/7/22



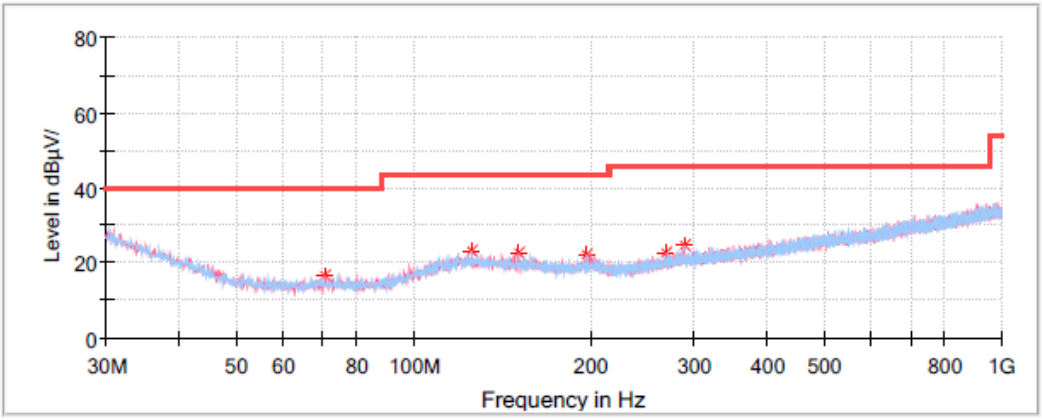
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµ V/m)	Limit (dBµ V/m)	Margin (dB)	Pol	Corr. (dB/m)
31.697500	28.62	40.00	11.38	H	-5.9
40.912500	22.96	40.00	17.04	H	-11.9
74.741250	16.72	40.00	23.28	V	-17.2
101.173750	20.69	43.50	22.81	V	-14.2
177.197500	21.54	43.50	21.96	V	-12.9
546.888750	28.90	46.00	17.10	H	-4.9

High Channel:2480 MHz

Common Information

Project No:	RKSA240710002
EUT Model:	OneKey Pro
Test Mode:	Transmitting in BLE 2M mode high channel
Standard:	FCC Part 15.205 & FCC Part 15.209&FCC Part 15.247
Test Equipment:	ESCI, JB3, 310N
Temperature:	25.4℃
Humidity:	41%
Barometric Pressure:	100.7kPa
Test Engineer:	Grace Luo
Test Date:	2024/7/22



Critical_Freqs

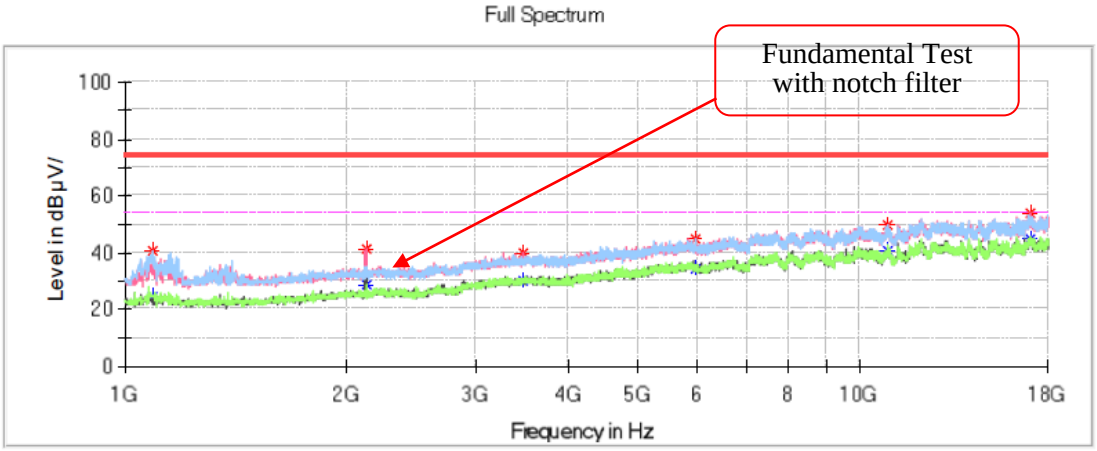
Frequency (MHz)	MaxPeak (dBµ V/m)	Limit (dBµ V/m)	Margin (dB)	Pol	Corr. (dB/m)
70.861250	16.84	40.00	23.16	V	-17.1
125.787500	23.04	43.50	20.46	H	-11.0
151.128750	22.61	43.50	20.89	V	-11.8
197.810000	21.89	43.50	21.61	H	-12.3
268.862500	22.87	46.00	23.13	V	-11.4
288.868750	24.60	46.00	21.40	H	-10.6

BLE (1 Mbps)
1GHz-18GHz:

Low Channel: 2402 MHz

Common Information

Project No.:	RKSA240710002
Test Mode:	BLE 1M
Standard:	FCC Part 15.247&FCC Part 15.207&FCC Part 15.209
Test Engineer:	Destine Hu



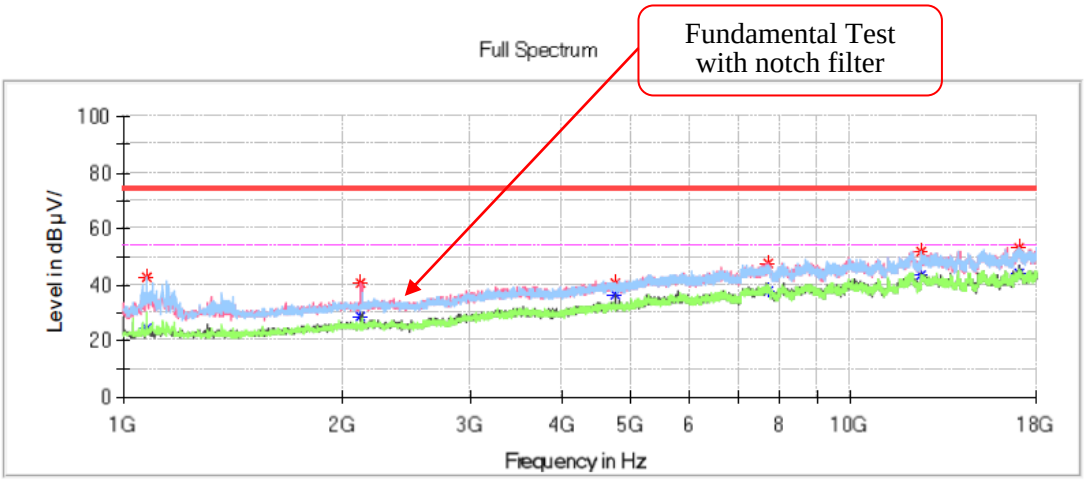
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1091.800000	40.31	---	74.00	33.69	H	-15.3
1091.800000	---	24.62	54.00	29.38	H	-15.3
2128.800000	40.94	---	74.00	33.06	V	-11.3
2128.800000	---	28.58	54.00	25.42	V	-11.3
3480.300000	39.67	---	74.00	34.33	V	-6.4
3480.300000	---	30.32	54.00	23.68	V	-6.4
5972.500000	44.59	---	74.00	29.41	H	0.0
5972.500000	---	34.22	54.00	19.78	H	0.0
10860.000000	---	40.35	54.00	13.65	V	7.3
10860.000000	49.42	---	74.00	24.58	V	7.3
16983.400000	---	44.77	54.00	9.23	H	12.2
16983.400000	53.52	---	74.00	20.48	H	12.2

Middle Channel: 2440 MHz

Common Information

Project No.:	RKSA240710002
Test Mode:	BLE 1M
Standard:	FCC Part 15.247&FCC Part 15.207&FCC Part 15.209
Test Engineer:	Destine Hu



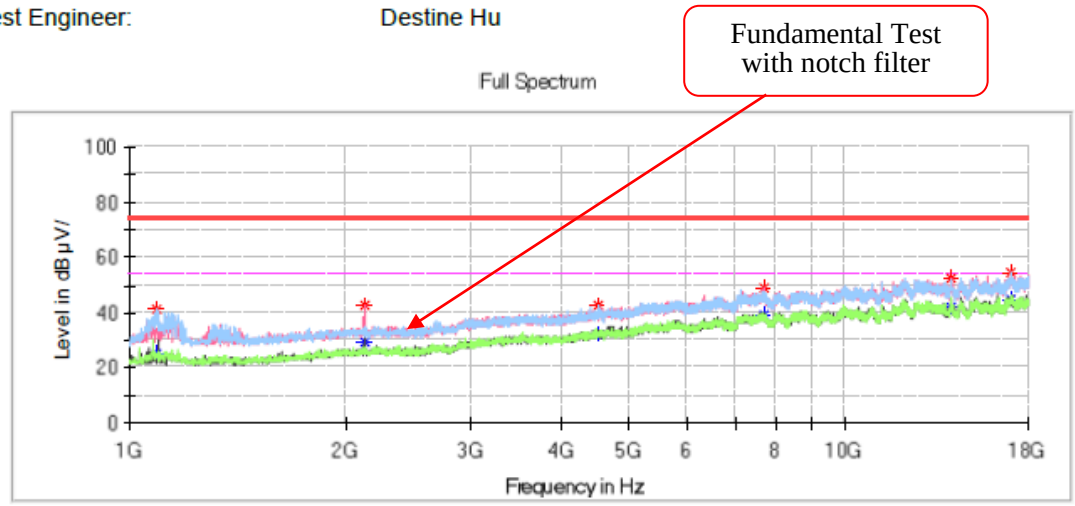
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1076.500000	---	24.22	54.00	29.78	H	-15.3
1076.500000	42.31	---	74.00	31.69	H	-15.3
2123.700000	---	28.49	54.00	25.51	V	-11.3
2123.700000	40.43	---	74.00	33.57	V	-11.3
4741.700000	40.60	---	74.00	33.40	H	-3.4
4741.700000	---	36.59	54.00	17.41	H	-3.4
7713.300000	---	38.02	54.00	15.98	V	3.9
7713.300000	47.57	---	74.00	26.43	V	3.9
12503.900000	---	43.15	54.00	10.85	V	9.7
12503.900000	51.69	---	74.00	22.31	V	9.7
16974.900000	---	44.17	54.00	9.83	H	12.2
16974.900000	53.16	---	74.00	20.84	H	12.2

High Channel: 2480 MHz

Common Information

Project No.:	RKSA240710002
Test Mode:	BLE 1M
Standard:	FCC Part 15.247&FCC Part 15.207&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)
1093.500000	---	25.34	54.00	28.66	H	-15.3
1093.500000	41.50	---	74.00	32.50	H	-15.3
2128.800000	---	29.32	54.00	24.68	V	-11.3
2128.800000	42.58	---	74.00	31.42	V	-11.3
4508.800000	---	32.34	54.00	21.66	H	-4.2
4508.800000	42.52	---	74.00	31.48	H	-4.2
7701.400000	---	39.32	54.00	14.68	V	3.9
7701.400000	48.61	---	74.00	25.39	V	3.9
14052.600000	---	42.01	54.00	11.99	V	9.8
14052.600000	52.44	---	74.00	21.56	V	9.8
17073.500000	---	44.80	54.00	9.20	H	12.2
17073.500000	54.25	---	74.00	19.75	H	12.2

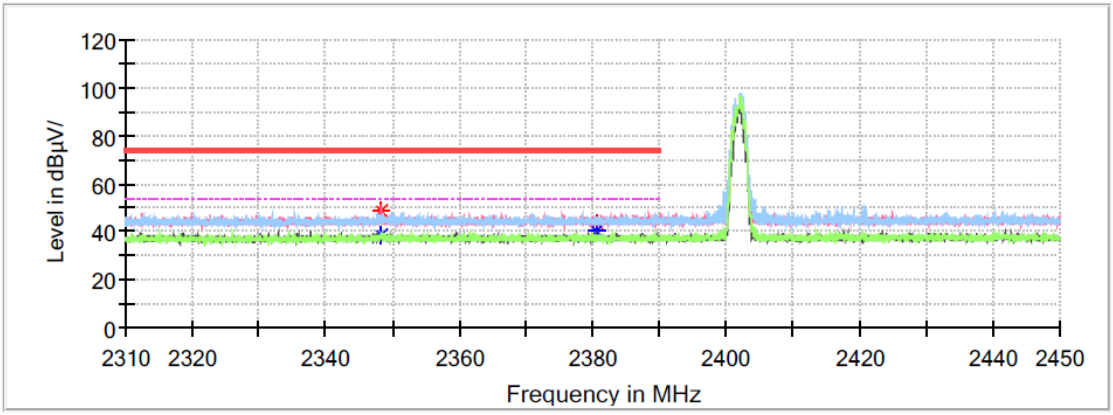
Band Edge:

Left Side

Common Information

Project No.:	RKSA240710002
Test Mode:	BLE 1M
Standard:	FCC Part 15.247&FCC Part 15.205&FCC Part 15.209
Test Engineer:	Destine Hu

Full Spectrum



Critical_Freqs

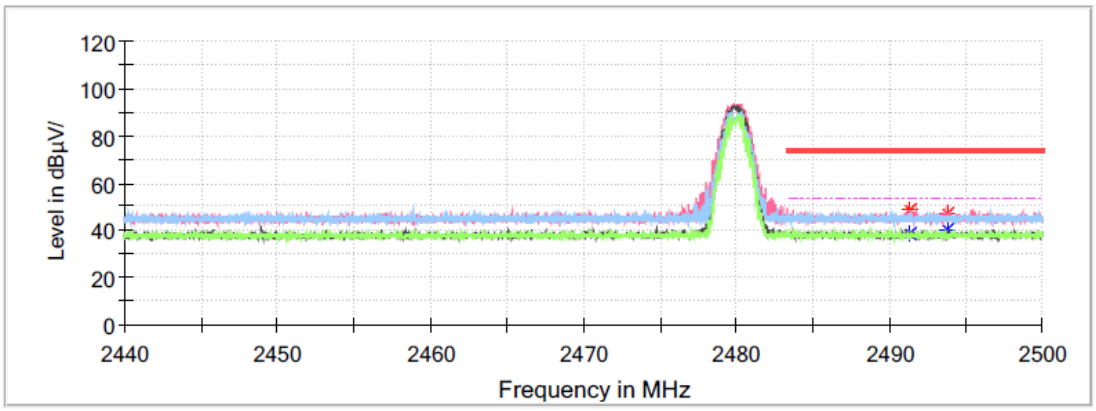
Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2348.458000	48.76	---	74.00	25.24	V	-0.7
2348.458000	---	38.20	54.00	15.80	V	-0.7
2380.560000	43.85	---	74.00	30.15	H	-0.6
2380.560000	---	40.30	54.00	13.70	H	-0.6

Right Side

Common Information

Project No.:	RKSA240710002
Test Mode:	BLE 1M
Standard:	FCC Part 15.247&FCC Part 15.205&FCC Part 15.209
Test Engineer:	Destine Hu

Full Spectrum

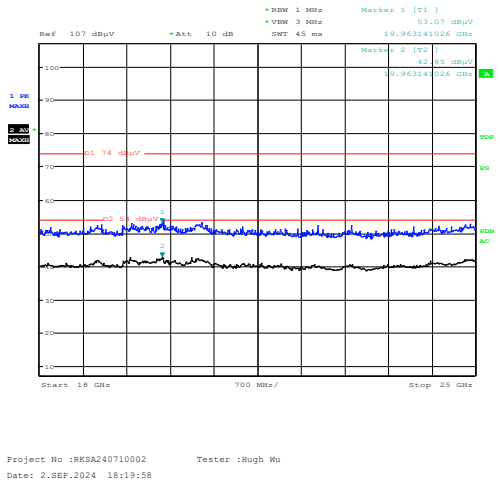


Critical_Freqs

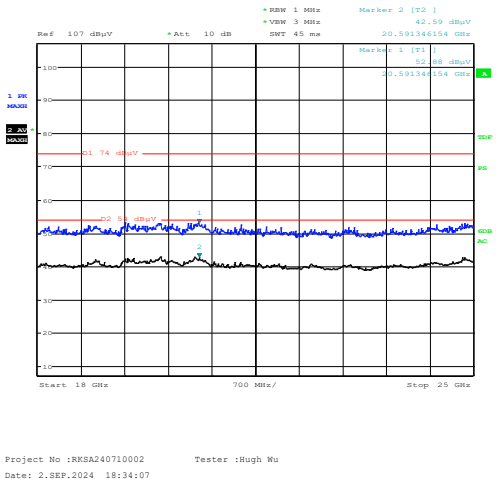
Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2491.342000	48.92	---	74.00	25.08	H	-0.2
2491.342000	---	38.45	54.00	15.55	H	-0.2
2493.808000	46.64	---	74.00	27.36	V	-0.2
2493.808000	---	40.39	54.00	13.61	V	-0.2

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

Horizontal



Vertical



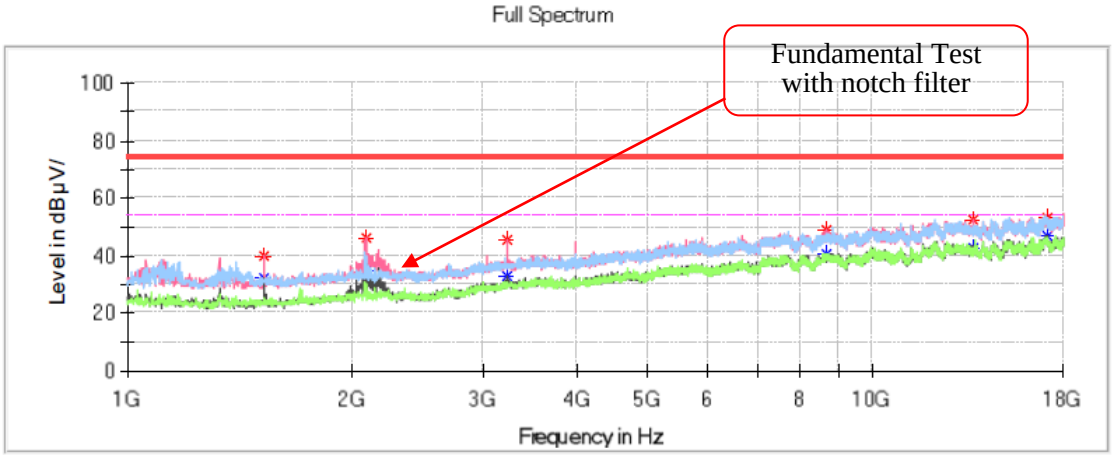
Note: The test distance is 3m. The limit is 74dBµV/m (Peak) and 54dBµV/m (Average)

BLE (2 Mbps)
1GHz-18GHz:

Low Channel: 2402 MHz

Common Information

Project No.:	RKSA240710002
Test Mode:	BLE 2M
Standard:	FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209
Test Engineer:	Klein Zhu



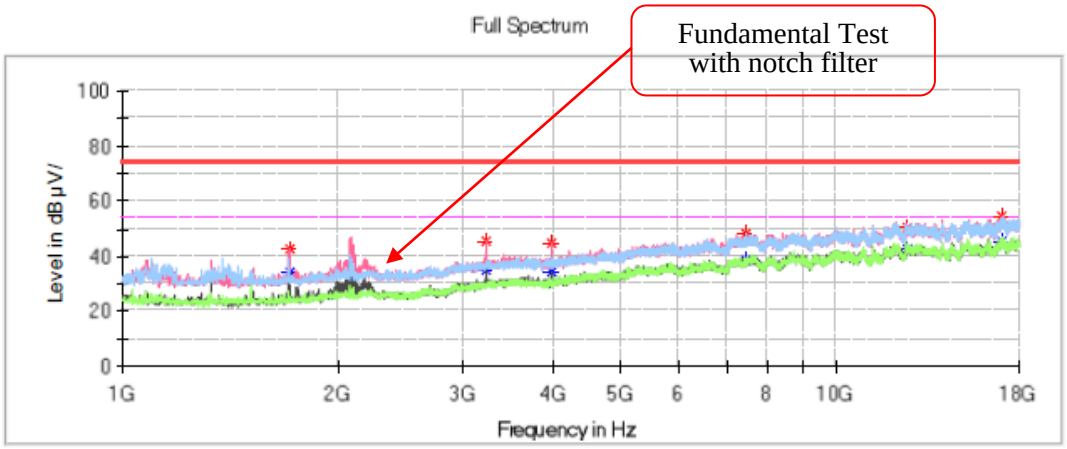
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1523.600000	---	31.96	54.00	22.04	V	-14.6
1523.600000	40.07	---	74.00	33.93	V	-14.6
2086.300000	---	35.14	54.00	18.86	V	-11.5
2086.300000	46.14	---	74.00	27.86	V	-11.5
3233.800000	45.22	---	74.00	28.78	V	-7.5
3233.800000	---	32.81	54.00	21.19	V	-7.5
8638.100000	49.06	---	74.00	24.94	V	5.4
8638.100000	---	40.69	54.00	13.31	V	5.4
13583.400000	52.79	---	74.00	21.21	V	9.6
13583.400000	---	42.68	54.00	11.32	V	9.6
17090.500000	53.35	---	74.00	20.65	H	12.1
17090.500000	---	46.81	54.00	7.19	H	12.1

Middle Channel: 2440 MHz

Common Information

Project No.:	RKSA240710002
Test Mode:	BLE 2M
Standard:	FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209
Test Engineer:	Klein Zhu



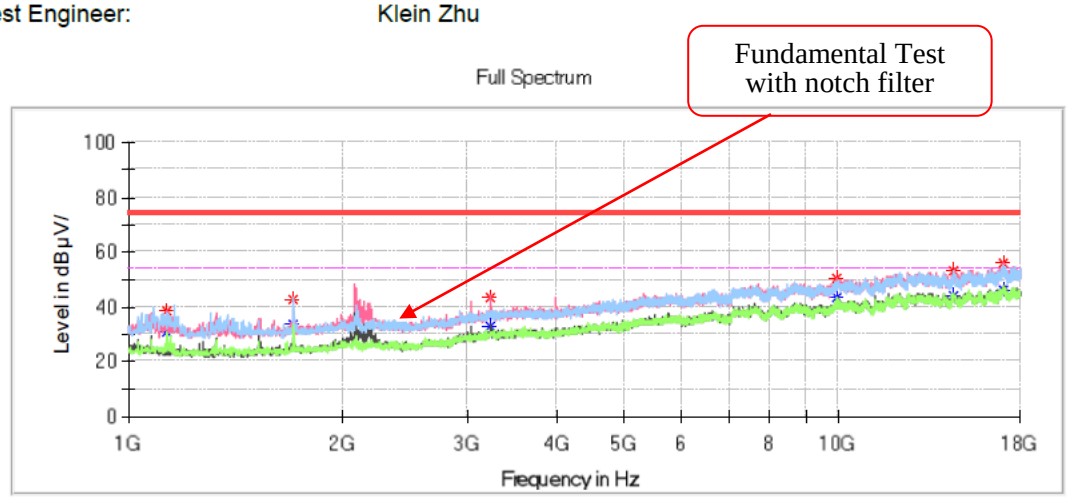
Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1710.600000	---	34.61	54.00	19.39	V	-13.5
1710.600000	42.36	---	74.00	31.64	V	-13.5
3230.400000	---	35.18	54.00	18.82	V	-7.5
3230.400000	45.11	---	74.00	28.89	V	-7.5
3993.700000	---	34.33	54.00	19.67	V	-5.9
3995.400000	45.07	---	74.00	28.93	V	-5.9
7444.700000	48.37	---	74.00	25.63	V	3.8
7444.700000	---	38.80	54.00	15.20	V	3.8
12534.500000	50.44	---	74.00	23.56	H	9.7
12534.500000	---	42.79	54.00	11.21	H	9.7
17065.000000	---	45.54	54.00	8.46	H	12.2
17065.000000	54.68	---	74.00	19.32	H	12.2

High Channel: 2480 MHz

Common Information

Project No.:	RKSA240710002
Test Mode:	BLE 2M
Standard:	FCC Part 15.247 & FCC Part 15.205 & FCC Part 15.209
Test Engineer:	Klein Zhu



Critical_Freqs

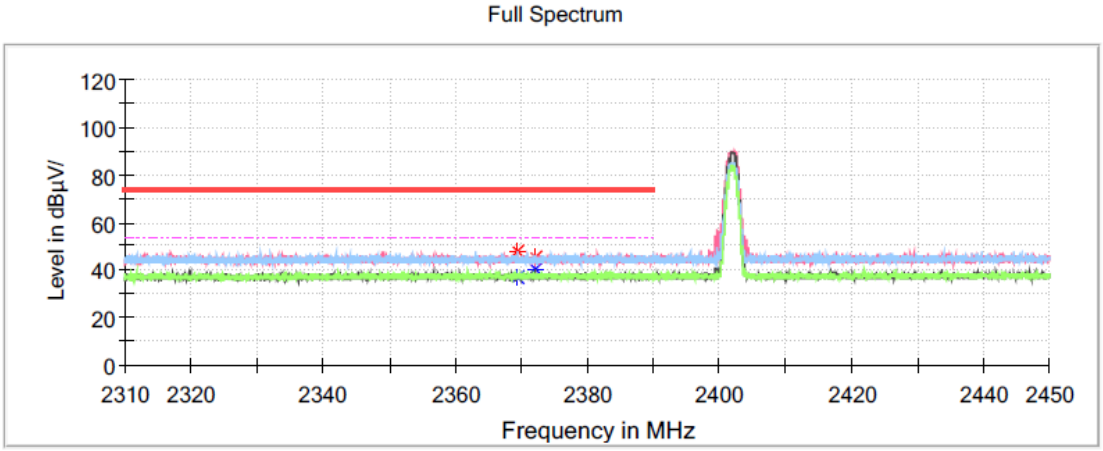
Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
1134.300000	38.13	---	74.00	35.87	V	-15.3
1134.300000	---	30.54	54.00	23.46	V	-15.3
1708.900000	---	33.53	54.00	20.47	H	-13.5
1708.900000	42.74	---	74.00	31.26	H	-13.5
3225.300000	43.26	---	74.00	30.74	V	-7.5
3225.300000	---	33.10	54.00	20.90	V	-7.5
9911.400000	50.55	---	74.00	23.45	V	6.8
9911.400000	---	43.55	54.00	10.45	V	6.8
14506.500000	53.16	---	74.00	20.84	H	9.4
14506.500000	---	43.97	54.00	10.03	H	9.4
17024.200000	---	45.90	54.00	8.10	H	12.2
17024.200000	55.63	---	74.00	18.37	H	12.2

Band Edge:

Left Side

Common Information

Project No.:	RKSA240710002
Test Mode:	BLE 2M
Standard:	FCC Part 15.247&FCC Part 15.205&FCC Part 15.209
Test Engineer:	Destine Hu



Critical_Freqs

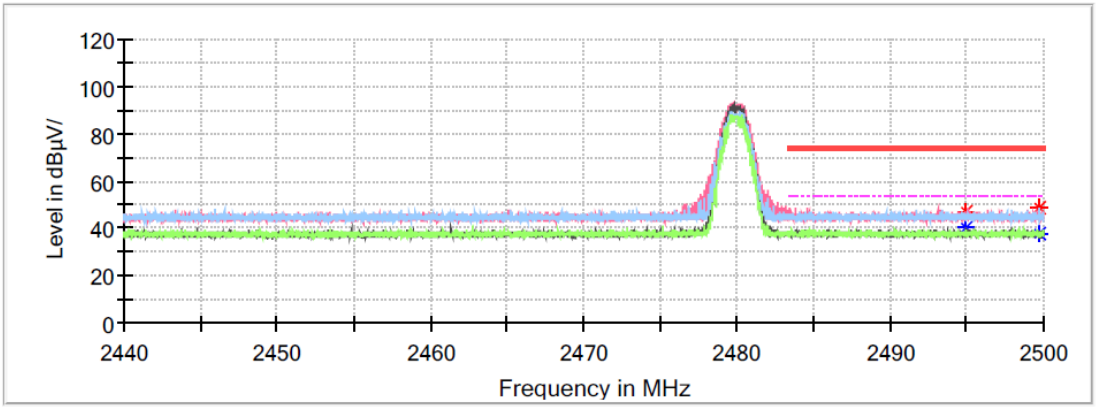
Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2369.318000	47.81	---	74.00	26.19	V	-0.6
2369.318000	---	37.03	54.00	16.97	V	-0.6
2372.062000	45.40	---	74.00	28.60	H	-0.6
2372.062000	---	39.99	54.00	14.01	H	-0.6

Right Side

Common Information

Project No.:	RKSA240710002
Test Mode:	BLE 2M
Standard:	FCC Part 15.247&FCC Part 15.205&FCC Part 15.209
Test Engineer:	Destine Hu

Full Spectrum

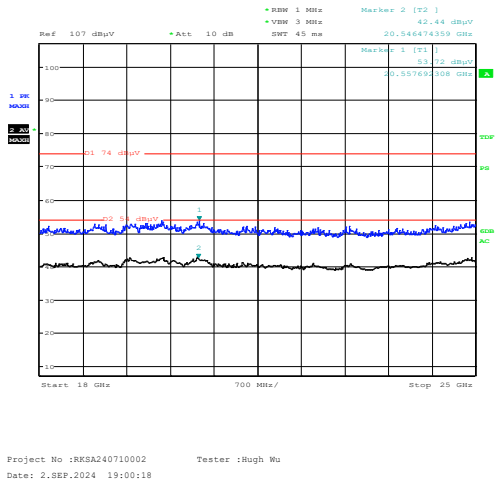


Critical_Freqs

Frequency (MHz)	MaxPeak (dB µ V/m)	Average (dB µ V/m)	Limit (dB µ V/m)	Margin (dB)	Pol	Corr. (dB/m)
2494.984000	---	39.92	54.00	14.08	V	-0.2
2494.984000	47.02	---	74.00	26.98	V	-0.2
2499.712000	---	37.43	54.00	16.57	H	-0.2
2499.712000	48.85	---	74.00	25.15	H	-0.2

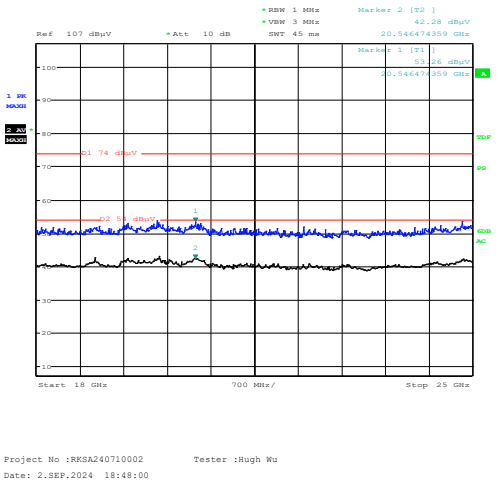
18 GHz - 25 GHz (low channel was worst):

Horizontal



Project No :RKSA240710002 Tester :Hugh Wu
Date: 2.SEP.2024 19:00:18

Vertical



Project No :RKSA240710002 Tester :Hugh Wu
Date: 2.SEP.2024 18:48:00

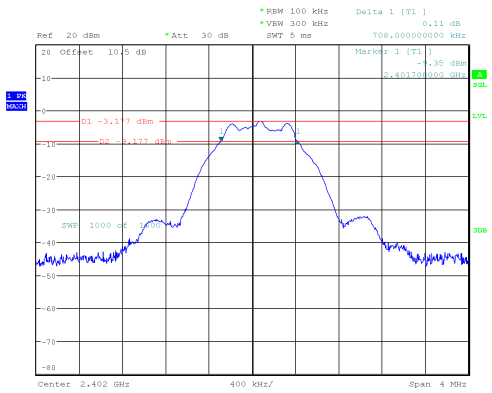
Note: The test distance is 3m. The limit is 74dBµV/m (Peak) and 54dBµV/m (Average)

6 dB EMISSION BANDWIDTH

Mode	Channel	Frequency (MHz)	6 dB Emission Bandwidth (MHz)	Limit (MHz)
BLE (1 Mbps)	Low	2402	0.708	≥0.5
	Middle	2440	0.704	≥0.5
	High	2480	0.700	≥0.5
BLE (2 Mbps)	Low	2402	1.148	≥0.5
	Middle	2440	1.144	≥0.5
	High	2480	1.148	≥0.5

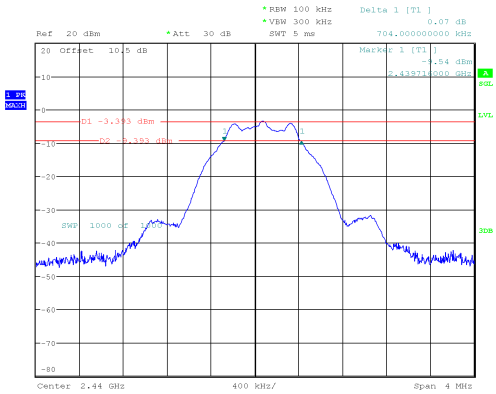
BLE (1 Mbps)

Low Channel



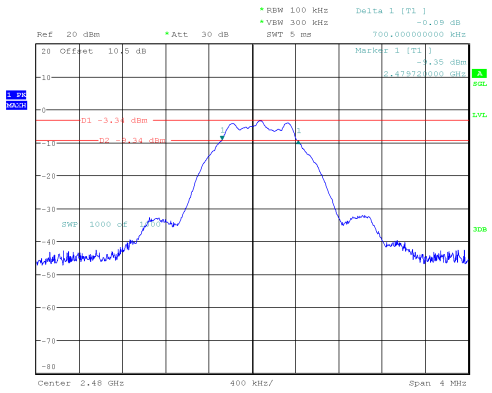
ProjectNo.:RKSA240710002 Tester:Neil Zhou
Date: 16.AUG.2024 14:46:16

Middle Channel



ProjectNo.:RKSA240710002 Tester:Neil Zhou
Date: 16.AUG.2024 14:53:37

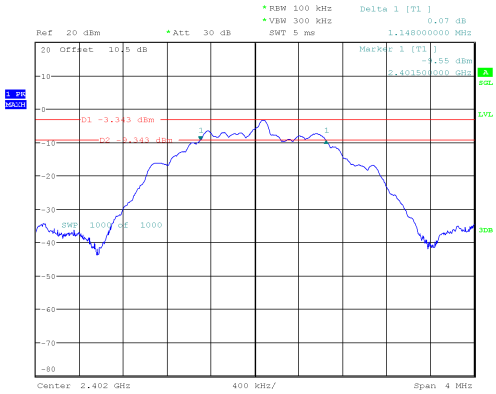
High Channel



ProjectNo.:RKSA240710002 Tester:Neil Zhou
Date: 16.AUG.2024 14:59:05

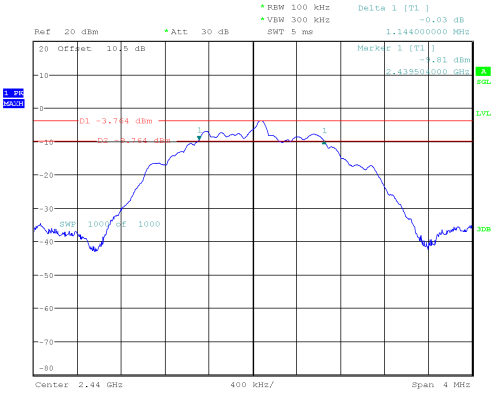
BLE (2 Mbps)

Low Channel



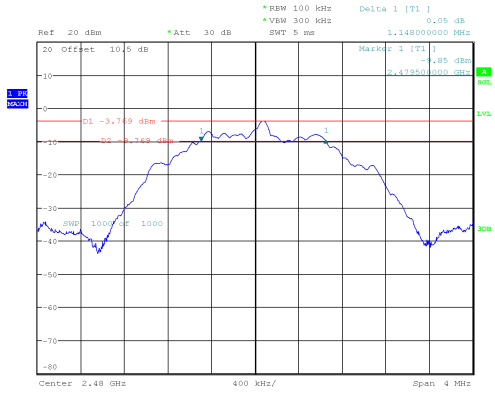
ProjectNo.:RKSA240710002 Tester:Neil Zhou
Date: 25.JUL.2024 10:53:55

Middle Channel



ProjectNo.:RKSA240710002 Tester:Neil Zhou
Date: 25.JUL.2024 11:02:03

High Channel



ProjectNo.:RKSA240710002 Tester:Neil Zhou
Date: 25.JUL.2024 11:09:32

MAXIMUM CONDUCTED OUTPUT POWER

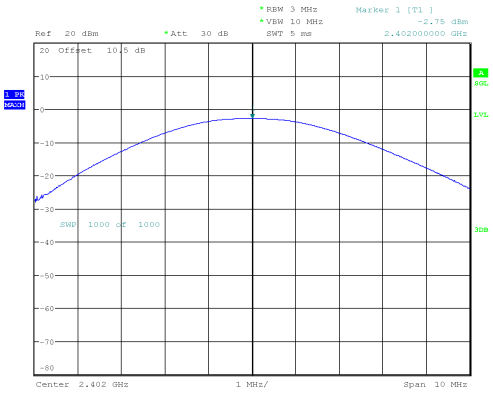
Test Result: Compliant.

EUT operation mode: Transmitting

Mode	Channel	Frequency (MHz)	Max Conducted Peak Output Power (dBm)	Limit (dBm)	Result
BLE (1 Mbps)	Low	2402	-2.75	30	Pass
	Middle	2440	-2.97	30	Pass
	High	2480	-2.85	30	Pass
BLE (2 Mbps)	Low	2402	-2.97	30	Pass
	Middle	2440	-3.31	30	Pass
	High	2480	-3.25	30	Pass

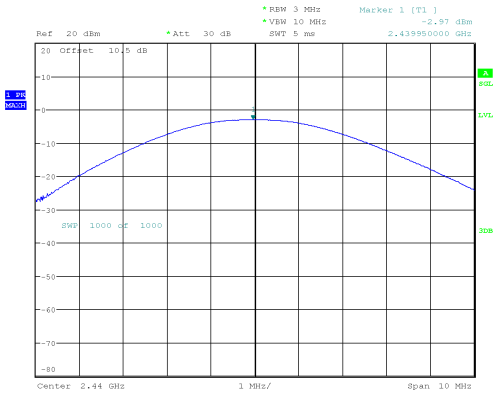
BLE (1 Mbps)

Low Channel



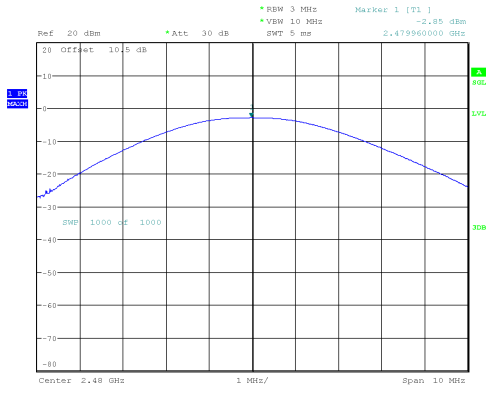
ProjectNo.:RKSA240710002 Tester:Neil Zhou
Date: 16.AUG.2024 14:49:26

Middle Channel



ProjectNo.:RKSA240710002 Tester:Neil Zhou
Date: 16.AUG.2024 14:56:14

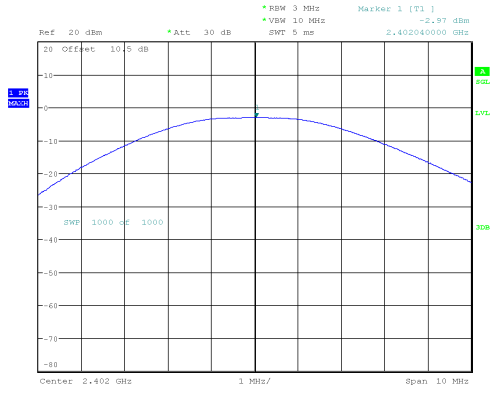
High Channel



ProjectNo.:RKSA240710002 Tester:Neil Zhou
Date: 16.AUG.2024 15:02:08

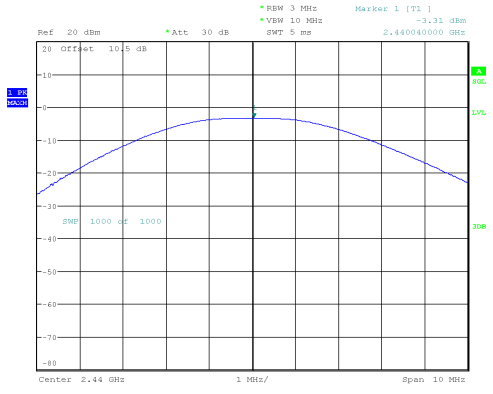
BLE (2 Mbps)

Low Channel



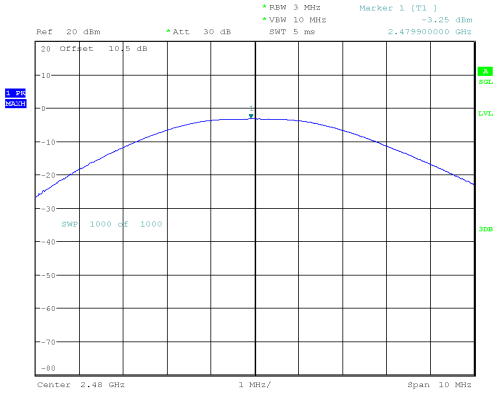
ProjectNo.:RKSA240710002 Tester:Neil Zhou
Date: 25.JUL.2024 10:58:04

Middle Channel



ProjectNo.:RKSA240710002 Tester:Neil Zhou
Date: 25.JUL.2024 11:04:40

High Channel



ProjectNo.:RKSA240710002 Tester:Neil Zhou
Date: 25.JUL.2024 11:16:08

BAND EDGE

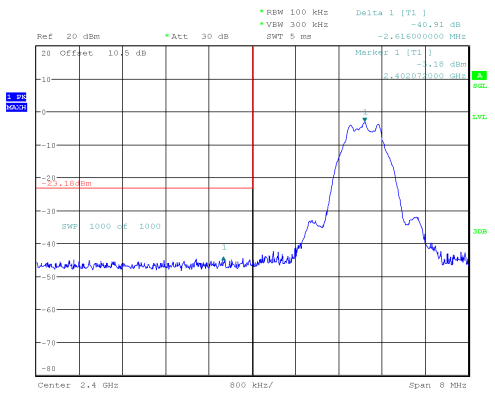
Test Result: Compliant.

EUT operation mode: Transmitting

Mode	Channel	Frequency (MHz)	Result (dBc)	Limit (dBc)
BLE (1 Mbps)	Low	2402	40.91	20
	High	2480	41.41	
BLE (2 Mbps)	Low	2402	33.54	20
	High	2480	40.82	

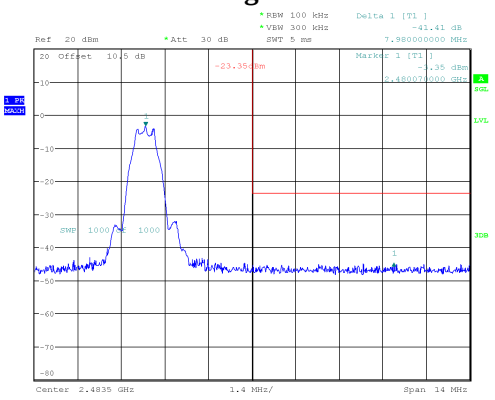
BLE (1 Mbps)

Left Side



ProjectNo.:RKSA240710002 Tester:Neil Zhou
Date: 16.AUG.2024 14:45:34

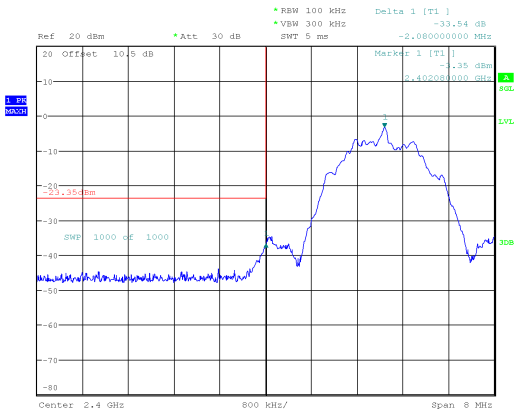
Right Side



ProjectNo.:RKSA240710002 Tester:Neil Zhou
Date: 16.AUG.2024 14:58:09

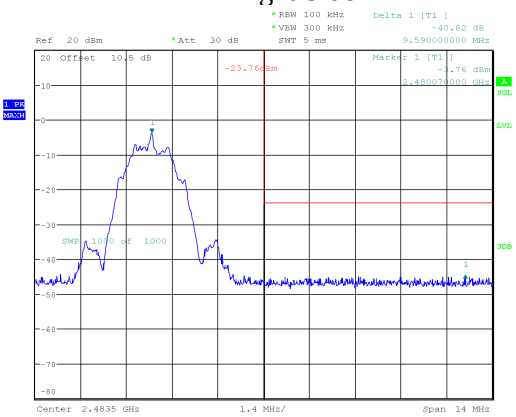
BLE (2 Mbps)

Left Side



ProjectNo.:RKSA240710002 Tester:Neil Zhou
Date: 25.JUL.2024 10:53:12

Right Side



ProjectNo.:RKSA240710002 Tester:Neil Zhou
Date: 25.JUL.2024 11:08:37

POWER SPECTRAL DENSITY

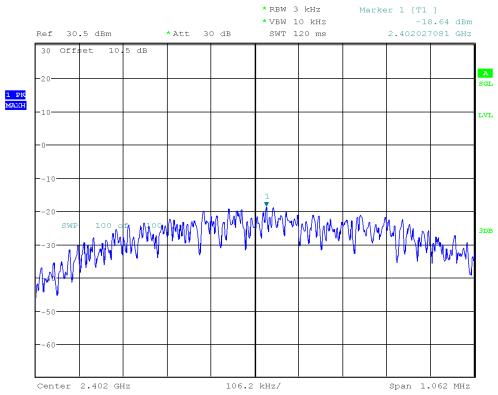
Test Result: Compliant.

EUT operation mode: Transmitting

Mode	Channel	Frequency (MHz)	PSD (dBm/3kHz)	Limit (dBm/3kHz)
BLE (1 Mbps)	Low	2402	-18.64	≤8
	Middle	2440	-18.83	≤8
	High	2480	-18.77	≤8
BLE (2 Mbps)	Low	2402	-21.51	≤8
	Middle	2440	-21.64	≤8
	High	2480	-21.79	≤8

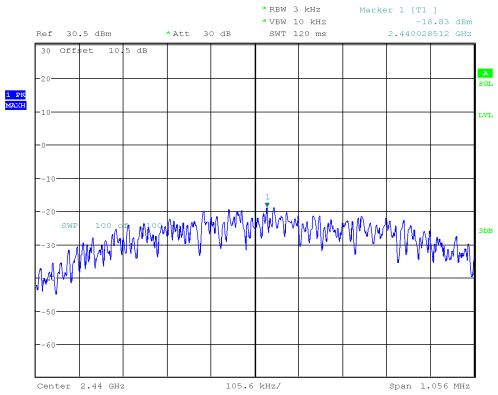
BLE (1 Mbps)

Low Channel



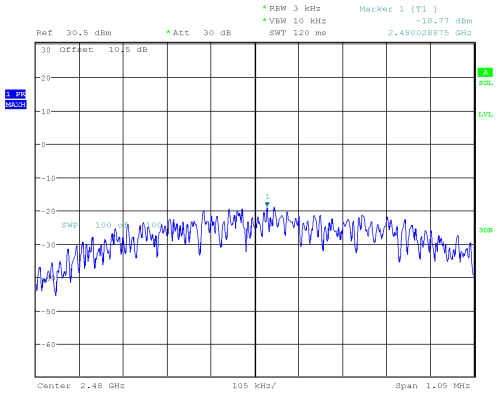
ProjectNo.:RKSA240710002 Tester:Neil Zhou
Date: 16.AUG.2024 14:49:48

Middle Channel



ProjectNo.:RKSA240710002 Tester:Neil Zhou
Date: 16.AUG.2024 14:56:36

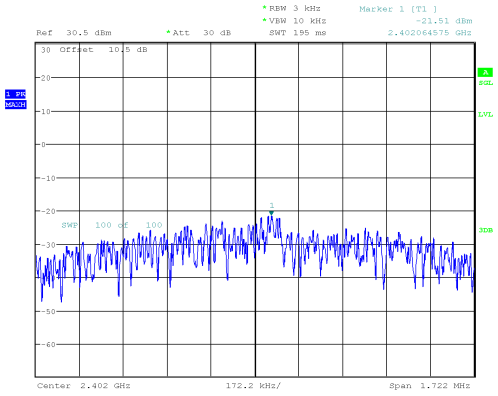
High Channel



ProjectNo.:RKSA240710002 Tester:Neil Zhou
Date: 16.AUG.2024 15:02:31

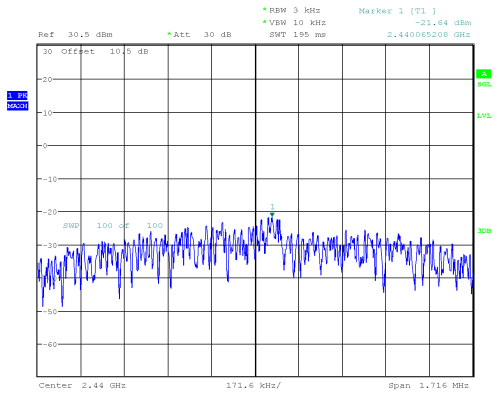
BLE (2 Mbps)

Low Channel



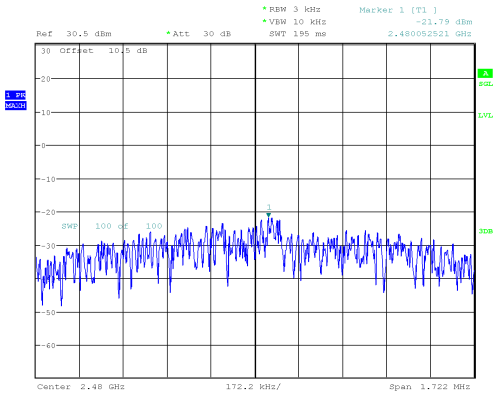
ProjectNo.:RKSA240710002 Tester:Neil Zhou
Date: 25.JUL.2024 10:58:34

Middle Channel



ProjectNo.:RKSA240710002 Tester:Neil Zhou
Date: 25.JUL.2024 11:05:10

High Channel



ProjectNo.:RKSA240710002 Tester:Neil Zhou
Date: 25.JUL.2024 11:16:38

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 *******