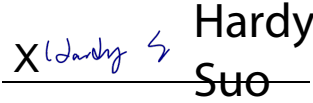


Prüfbericht-Nr.: <i>Test report no.:</i>	CN25L96K 002	Auftrags-Nr.: <i>Order no.:</i>	168557113	Seite 1 von 22 Page 1 of 22
Kunden-Referenz-Nr.: <i>Client reference no.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	2025-05-20	
Auftraggeber: <i>Client:</i>	Yingling Innovations Pte. Ltd. 24 Sin Ming Lane #06-97 Midview City, Singapore (573970)			
Prüfgegenstand: <i>Test item:</i>	Antigravity Grip			
Bezeichnung / Typ-Nr.: <i>Identification / Type no.:</i>	SRCSE001 (Trademark: ANTIGRAVITY)			
Auftrags-Inhalt: <i>Order content:</i>	Test Report			
Prüfgrundlage: <i>Test specification:</i>	CFR Title 47 FCC Part 15.247 RSS-247 Issue 4 July 2025 RSS-Gen Issue 5 February 2021 AS/NZS 4268:2017+A1:2021			
Wareneingangsdatum: <i>Date of sample receipt:</i>	2025-06-05	Please refer to Photo Document		
Prüfmuster-Nr.: <i>Test sample no.:</i>	A004004456-009~010			
Prüfzeitraum: <i>Testing period:</i>	2025-06-05 - 2025-07-14			
Ort der Prüfung: <i>Place of testing:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von: <i>tested by:</i>	 Hardy Suo		genehmigt von: <i>authorized by:</i>	 Lin Lin
Datum: <i>Date:</i>	2025-08-15		Ausstellungsdatum: <i>Issue date:</i>	2025-08-15
Stellung / Position:	Sachverständige(r)/Expert		Stellung / Position:	Sachverständige(r)/Expert
Sonstiges / <i>Other:</i>	FCC ID: 2B05J-SRCSE001, IC: 34026-SRCSE001, HVIN: SRCSE001 This report is for 2.4GHz GFSK. This report is compliance with CFR Title 47 FCC Part 15.247, according to AS/NZS 4268:2017+A1:2021 section 6.1 it also shows compliance to AS/NZS 4268:2017+A1:2021.			
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>	Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>			
* Legende:	P(ass) = entspricht o.g. Prüfgrundlage(n)	F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	N/A = nicht anwendbar	N/T = nicht getestet
* Legend:	P(ass) = passed a.m. test specification(s)	F(ail) = failed a.m. test specification(s)	N/A = not applicable	N/T = not tested
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>				

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Test report no.:

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Anmerkungen
Remarks

1	Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben. Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden. <i>The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.</i>
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3	Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben. Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt. <i>Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report.</i> <i>Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.</i>
4	Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnissen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2021, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. Zu weiteren Informationen bezüglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019. <i>The decision rule for statements of conformity, based on numerical measurement results, in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2021, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019.</i>

Test Summary

5.1.1 ANTENNA REQUIREMENT

RESULT: Pass

5.1.2 MAXIMUM PEAK CONDUCTED OUTPUT POWER

RESULT: Pass

5.1.3 CONDUCTED POWER SPECTRAL DENSITY

RESULT: Pass

5.1.4 6dB BANDWIDTH

RESULT: Pass

5.1.5 99% BANDWIDTH

RESULT: Pass

5.1.6 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 KHz BANDWIDTH

RESULT: Pass

5.1.7 RADIATED SPURIOUS EMISSION

RESULT: Pass

5.1.8 CONDUCTED EMISSION ON AC MAINS

RESULT: Pass

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1 General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix A: Test Results of 2.4GHz GFSK

Appendix B: Photographs of the Test Set-up

2 Test Sites

2.1 Test Facilities

TÜV Rheinland (Shenzhen) Co., Ltd.

2-3F, 101 & 102, No.2, Nuclear Power Industrial Park, Fuming Community, Fucheng Street, Longhua District, Shenzhen 518000, People's Republic of China

A2LA Certificate Number: 5162.01

FCC Test Site Number: CN1260

ISED Test Lab CAB identifier:CN0078

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Radio Spectrum Testing (SRD-Tonscend)						
Equip. No.	Description	Manufacturer	Model	Serial No.	Cal. Date (DD.MM.YYYY)	Cal. until (DD.MM.YYYY)
9039436	EXA Signal Analyzer, Multi-touch	Keysight	N9010B	MY60241175	26.09.2024	25.09.2025
9039437	MXG X-Series RF Vector Signal Generator	Keysight	N5182B	MY61250137	26.09.2024	25.09.2025
9039438	EXG X-Series Microwave Analog Signal Generator	Keysight	N5173B	MY61250141	26.09.2024	25.09.2025
9039439	DC Power Supply	Keysight	E3642A	MY61276100	26.09.2024	25.09.2025
9039440	Wireless Connectivity Tester	R&S	CMW270	102505	26.09.2024	25.09.2025
9039441	Power Control Unit	Tonscend	JS0806-4ADC	N/A	26.09.2024	25.09.2025
9039442	Automation Control Unit	Tonscend	JS0806-2	21C8060396	26.09.2024	25.09.2025
9039443	Test Software	Tonscend	JS1120-3	N/A	N/A	N/A
9039444	Control PC	Lenovo	TianYi510S-071MB	YLX23JMF	N/A	N/A
G1826483	Humid & Temp Programmable Tester	BOST	NTH090-60	19040801	25.02.2025	24.02.2026
Unwanted Emission Testing (TS9975)						
Equip. No.	Description	Manufacturer	Model	Serial No.	Cal. Date (DD.MM.YYYY)	Cal. until (DD.MM.YYYY)
G1826021	EMI Test Receiver	R&S	ESR 7	102021	29.09.2024	28.09.2025
G1826023	Signal Analyzer	R&S	FSV 40	101439	29.09.2024	28.09.2025
G1826024	System Controller Interface	R&S	SCI-100	S10010038	N/A	N/A
G1826025	Filterbank	R&S	Wlan	100759	29.09.2024	28.09.2025
G1826026	OSP	R&S	OSP 120	102040	N/A	N/A
G1826028	Pre-amplifier	R&S	SCU08F1	08320031	29.09.2024	28.09.2025
G1826029	Amplifier	R&S	SCU-18F	180070	29.09.2024	28.09.2025

G1826030	Amplifier	R&S	SCU40A	100475	29.09.2024	28.09.2025
G1826031	Trilog Broadband Antenna (30 MHz - 7 GHz)	Schwarzbeck	VULB 9162	193	28.09.2024	27.09.2026
G1826032	Double-Ridged Antenna (1 -18 GHz)	ETS-LINDGREN	3117	00218717	28.09.2024	27.09.2026
G1826033	Wideband Ridged Horn Antenna (18-40 GHz)	Steatite	QMS-00880	19067	28.09.2024	27.09.2026
G1826034	Active Loop Antenna	Schwarzbeck	FMZB 1513	302	28.09.2024	27.09.2026
G1826036	Test software	R&S	EMC32 (V10.60.10)	N/A	N/A	N/A
G1826037	Control PC	Dell	OptiPlex 7050	36NV9P2	N/A	N/A
G1826433	3m Semi-Anechoic Chamber	Albatross	SAC-3m	APC17151-SAC	14.09.2024	13.09.2027

Conducted Emission on AC Mains					
Equip. No.	Equipment	Manufacturer	M/N	S/N	Cal. Until
GC-SZ 001009	EMI Test Receiver	R&S	ESR3	102428	2026-07-18
GC-SZ 004634	Artificial Mains Network	R&S	ENV432	101546	2026-02-09
GC-SZ 001017	Impedance Stabilisation Network	R&S	ENY81	100323	2026-05-15
GC-SZ 007891	Shield Cable(9k-30MHz)	N/A	N/A	N/A	2025-12-20
G1825090	EMC32 Test Software	R&S	EMC32(Ver.10.50.00)	N/A	N/A
G1825796	Vector Signal Generator	R&S	SMBV100A	263301	2025-9-25

2.3 Traceability

All measurement equipment calibrations are traceable to NIM (National Institute of Metrology) or where calibration is performed in other countries, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

2.5 Measurement Uncertainty

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements as below table.

Table 2: Measurement Uncertainty

Parameter	Uncertainty (k=2)
RF output power, conducted	± 0.99 dB
Occupied Channel Bandwidth	± 2.08 %
RF power density, conducted	± 0.99 dB

Unwanted Emissions, conducted	± 0.89 dB
All emissions, radiated	±4.17 dB
Conducted Emission, (9kHz to 150kHz)/(150kHz to 30MHz)	± 3.70 dB / ± 3.30 dB

2.6 Location of Original Data

The original copies of all test data taken during actual testing were attached at Appendix A & B of this report and delivered to the applicant. A copy has been retained in the TÜV Rheinland (Shenzhen) Co., Ltd. file for certification follow-up purposes.

2.7 Status of Facility Used for Testing

The TÜV Rheinland (Shenzhen) Co., Ltd. Test facility located at 2-3F, 101 & 102, No.2, Nuclear Power Industrial Park, Fuming Community, Fucheng Street, Longhua District, Shenzhen 518000, People's Republic of China is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

3 General Product Information

3.1 Product Function and Intended Use

The Product is a Antigravity Grip which supports 2.4GHz GFSK and GNSS functions.

For details refer to the User Manual, Technical Description and Circuit Diagram.

3.2 Ratings and System Details

Table 3: Technical Specification of EUT

General Information of EUT	Value
Kind of Equipment:	Antigravity Grip
Type Designation:	SRCSE001
Trademark:	ANTIGRAVITY
FCC ID:	2B05J-SRCSE001
IC:	34026-SRCSE001
HVIN:	SRCSE001
Operating Voltage:	3.6V DC by built-in battery, or Charging by Type-C port DC 5V/2A
Testing Voltage:	Fully charged battery
Operating Temperature Range:	-10 °C ~ +40 °C
Radiofrequency operating mode:	1) 2.4GHz GFSK: operating within 2400-2483.5MHz, 2Mbps 2) GNSS (receiver): GPS L1 C/A, Galileo E1, BDS B1I operating within 1559-1610 MHz
Technical Specification of 2.4GHz GFSK	
Operating Frequency:	2402 MHz to 2480 MHz
Type of Modulation:	GFSK
Channel Number:	40 channels
Channel Separation:	2MHz
Data Rate:	2Mbps
Antenna Type:	Integral Antenna (IFA Antenna)
Antenna Number:	1
Antenna Gain:	0.51 dBi (Provided by the Client)
The type of wideband data transmission equipment:	DTS

Table 4: RF Channel and Frequency of 2.4GHz GFSK

RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
0	2402	10	2422	20	2442	30	2462
1	2404	11	2424	21	2444	31	2464
2	2406	12	2426	22	2446	32	2466
3	2408	13	2428	23	2448	33	2468

4	2410	14	2430	24	2450	34	2470
5	2412	15	2432	25	2452	35	2472
6	2414	16	2434	26	2454	36	2474
7	2416	17	2436	27	2456	37	2476
8	2418	18	2438	28	2458	38	2478
9	2420	19	2440	29	2460	39	2480

3.3 Independent Operation Modes

The basic operation modes are:

A. On, 2.4GHz GFSK

1 Transmitting (Low / Middle / High channel)

3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.5 Submitted Documents

- Application Form
- ID Label and Location Info
- User Manual
- Operation Description

4 Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

Radio Spectrum: The equipment under test (EUT) was configured at its highest power output in order to measure its highest possible radiation and conducted level. The test modes were adapted accordingly in reference to the instructions for use.

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All tests were performed according to the procedures in ANSI C63.10-2020 + Cor.1-2023.

According to clause 3.1, all tests were performed on model SRCSE001 in this report.

4.3 Special Accessories and Auxiliary Equipment

Table 5: List of Accessories and Auxiliary Equipment

Description	Manufacturer	Model	Remark
Laptop	Lenovo	T480	S/N: PF-16A6N8

4.4 Countermeasures to Achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Technical Construction File (TCF).

No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test (Below 1GHz)

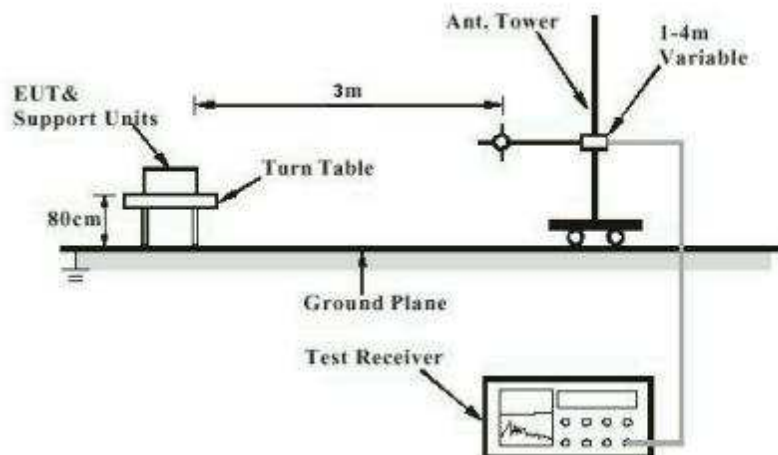


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

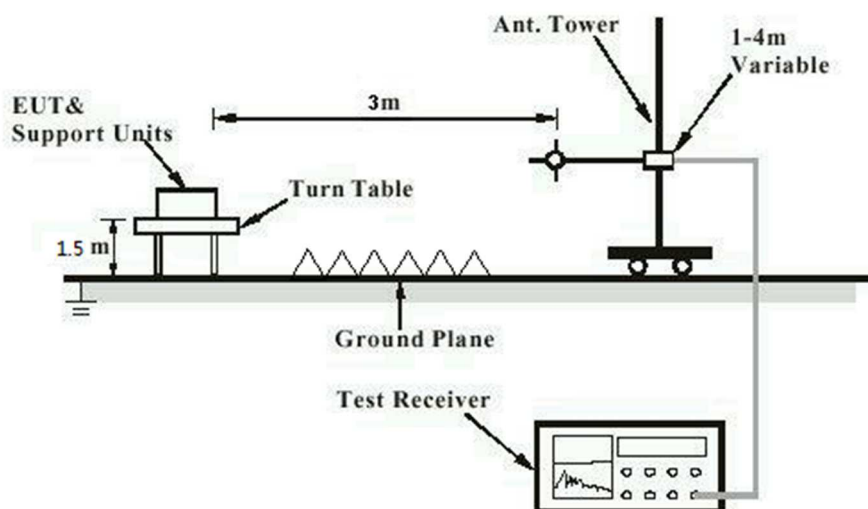


Diagram of Measurement Configuration for Mains Conduction Measurement

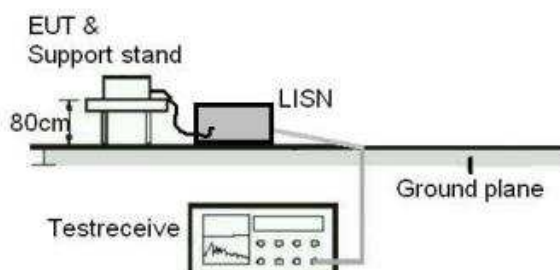
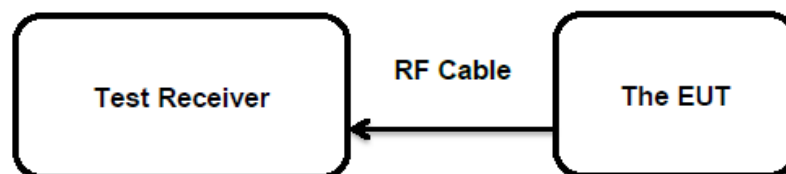


Diagram of Measurement Configuration for Conducted Transmitter Measurement



5 Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT:

Pass

Test Specification

Test standard : FCC Part 15.247(b)(4) and Part 15.203
RSS-Gen Clause 6.8

According to the manufacturer declared, the EUT has one Integral Antenna, the directional gain of antenna is 0.51 dBi for and the antenna connector is designed with permanent attachment and no consideration of replacement.

Therefore the EUT is considered sufficient to comply with the provision.

Refer to EUT Photo for further details.

- 1) The cable loss is taken into account in results.
- 2) Antenna gain(G): 0.51 dBi.

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5.1.3 Conducted Power Spectral Density

RESULT:**Pass****Test Specification**

Test standard	: FCC Part 15.247(e) RSS-247 Clause 6.3.1(b)
Basic standard	: ANSI C63.10-2020 + Cor.1-2023
Limits	: < 8 dBm / 3kHz
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2025-06-05 - 2025-07-14
Input voltage	: Fully charged battery
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 22.5 °C
Relative humidity	: 52.5 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix A.

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5.1.4 6dB Bandwidth

RESULT:**Pass****Test Specification**

Test standard	: FCC Part 15.247(a)(2) RSS-247 Clause 6.3.1(a)
Basic standard	: ANSI C63.10-2020 + Cor.1-2023
Limits	: > 500 KHz
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2025-06-05 - 2025-07-14
Input voltage	: Fully charged battery
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 22.5 °C
Relative humidity	: 52.5 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix A.

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5.1.5 99% Bandwidth

RESULT:**Pass****Test Specification**

Test standard : FCC Part 15.247(a)
RSS-Gen Clause 6.7
Basic standard : ANSI C63.10-2020 + Cor.1-2023
Kind of test site : Shielded Room

Test Setup

Date of testing : 2025-06-05 - 2025-07-14
Input voltage : Fully charged battery
Operation mode : A
Test channel : Low / Middle / High
Ambient temperature : 22.5 °C
Relative humidity : 52.5 %
Atmospheric pressure : 101 kPa

For the measurement records, refer to the appendix A.

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5.1.6 Conducted Spurious Emissions Measured in 100 kHz Bandwidth

RESULT:**Pass****Test Specification**

Test standard	: FCC Part 15.247(d) RSS-247 Clause 6.6
Basic standard	: ANSI C63.10-2020 + Cor.1-2023
Limits	: 20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power), In addition, radiated emissions which fall in the restricted bands, must also comply with the radiated emission limits specified in 15.209(a)
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2025-06-05 - 2025-07-14
Input voltage	: Fully charged battery
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 22.5 °C
Relative humidity	: 52.5 %
Atmospheric pressure	: 101 kPa

Test results of 100kHz Bandwidth of Frequency Band Edge by Conducted method refer to test plots, and compliance is achieved as well.

For the measurement records, refer to the appendix A.

5.1.7 Radiated Spurious Emission

RESULT:**Pass****Test Specification**

Test standard	: FCC Part 15.247(d) & FCC Part 15.205 RSS-247 Clause 6.6
Basic standard	: ANSI C63.10-2020 + Cor.1-2023
Limits	: Refer to 15.209(a) of FCC part 15.247(d) RSS-Gen Section 8.9 & 8.10
Kind of test site	: 3m Semi-anechoic Chamber

Test Setup

Date of testing	: 2025-06-05 - 2025-07-14
Input voltage	: Fully charged battery
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: Refer to test result
Relative humidity	: Refer to test result
Atmospheric pressure	: 101 kPa

Remark:

Testing was carried out within frequency range 9kHz to the tenth harmonics. Only the worst case spurious emissions configuration of the each mode were reported.

For the measurement records, refer to the appendix A.

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5.1.8 Conducted Emission on AC Mains

RESULT:**Pass****Test Specification**

Test standard	: FCC Part 15.207(a) RSS-Gen Section 8.8
Basic standard	: ANSI C63.10-2020 + Cor.1-2023
Frequency range	: 0.15 – 30MHz
Classification	: Class B
Limits	: FCC Part 15.207(a) RSS-Gen Table 4
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2025-06-05 - 2025-07-14
Input voltage	: AC 120V/60Hz
Operation mode	: A
Earthing	: Not connected
Ambient temperature	: Refer to test result
Relative humidity	: Refer to test result
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix A.

6 Photographs of the Test Set-Up

For photographs of the test set-up, refer to the appendix B.

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Appendix A.1: Test Results of 6dB Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
GFSK	Ant1	2402	1.336	2401.336	2402.672	0.5	PASS
		2440	1.356	2439.360	2440.716	0.5	PASS
		2480	1.380	2479.320	2480.700	0.5	PASS

Test Graphs

GFSK Ant1 2402



GFSK Ant1 2440



GFSK Ant1 2480

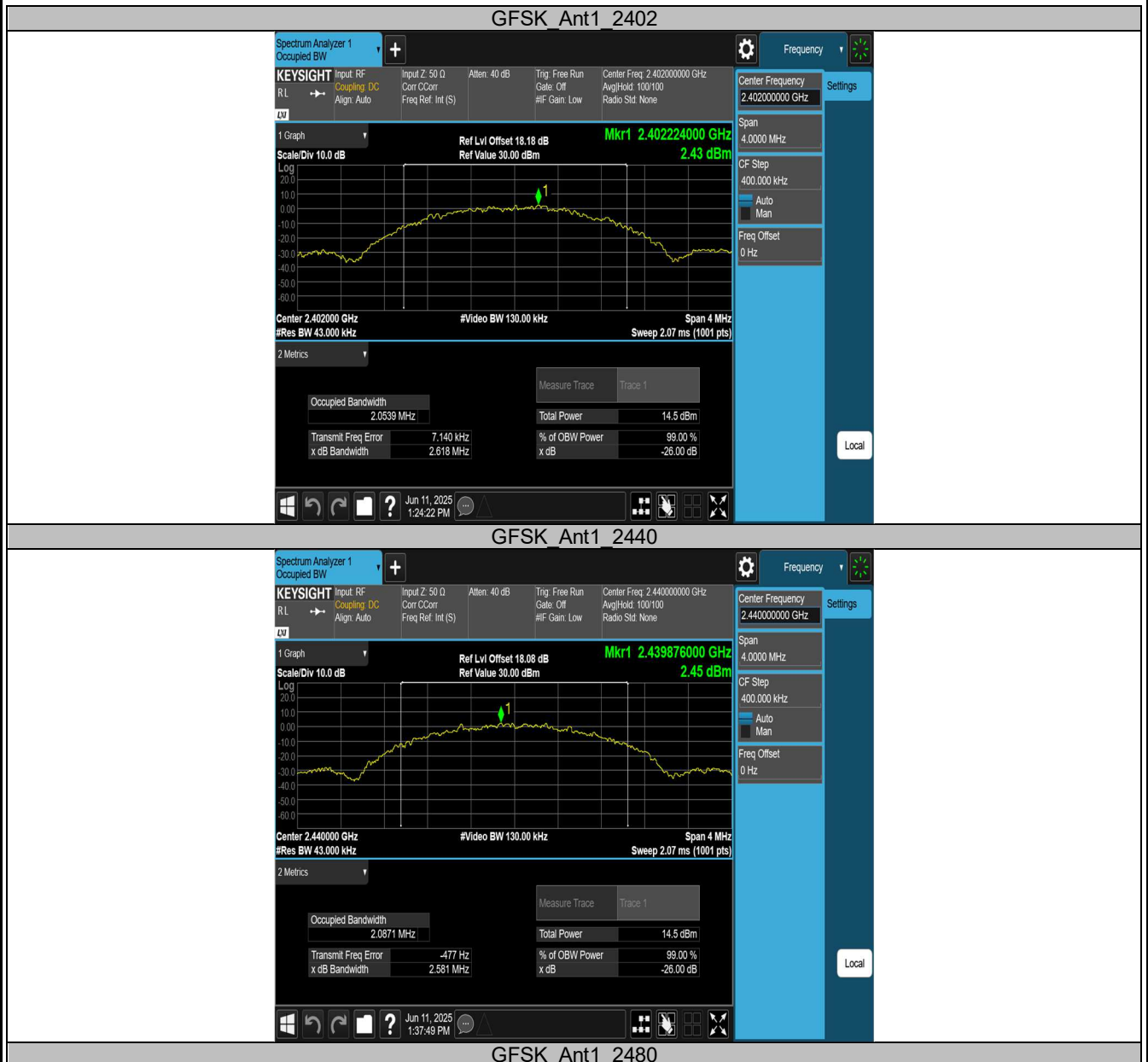


Appendix A.2: Test Results of 99% Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
GFSK	Ant1	2402	2.0539	2400.9802	2403.0341	---	PASS
		2440	2.0871	2438.9560	2441.0431	---	PASS
		2480	2.0418	2478.9633	2481.0051	---	PASS

Test Graphs





Appendix A.3: Test Results of Conducted Power Spectral Density

Test Result

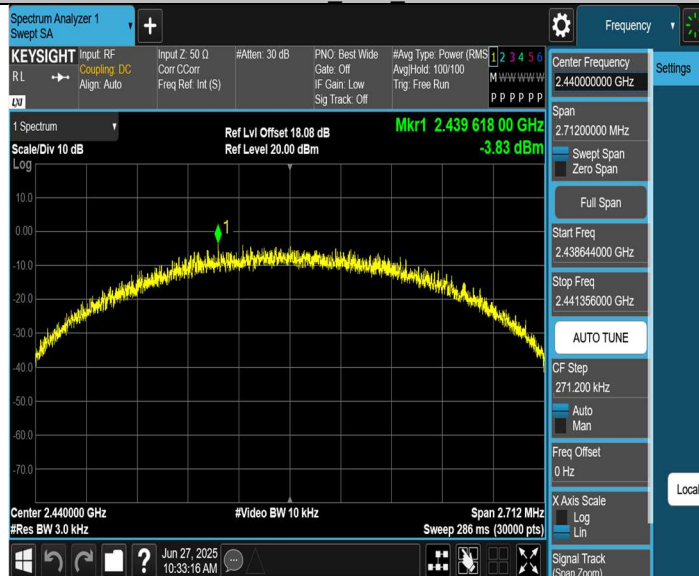
TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
GFSK	Ant1	2402	-4.40	≤8.00	PASS
		2440	-3.83	≤8.00	PASS
		2480	-4.64	≤8.00	PASS

Test Graphs

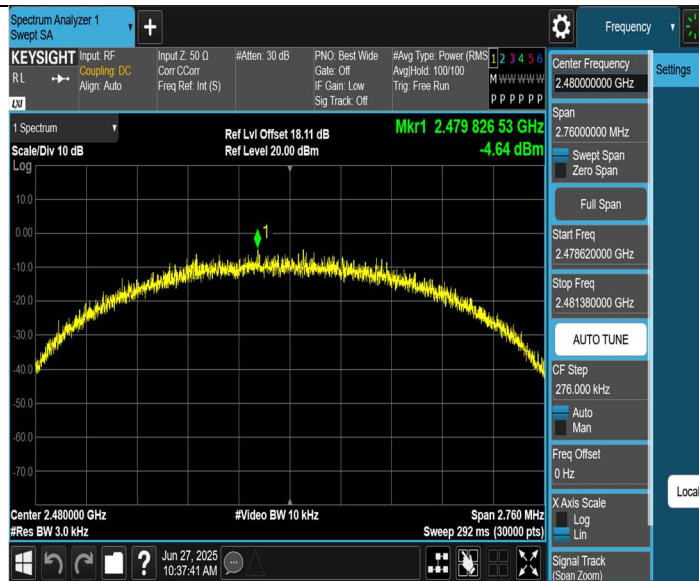
GFSK Ant1 2402



GFSK Ant1 2440



GFSK Ant1 2480



Appendix A.4: Test Results of Band Edge Measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
GFSK	Ant1	Low	2402	5.97	-28.13	≤-14.03	PASS
		High	2480	5.16	-45.38	≤-14.84	PASS

Test Graphs

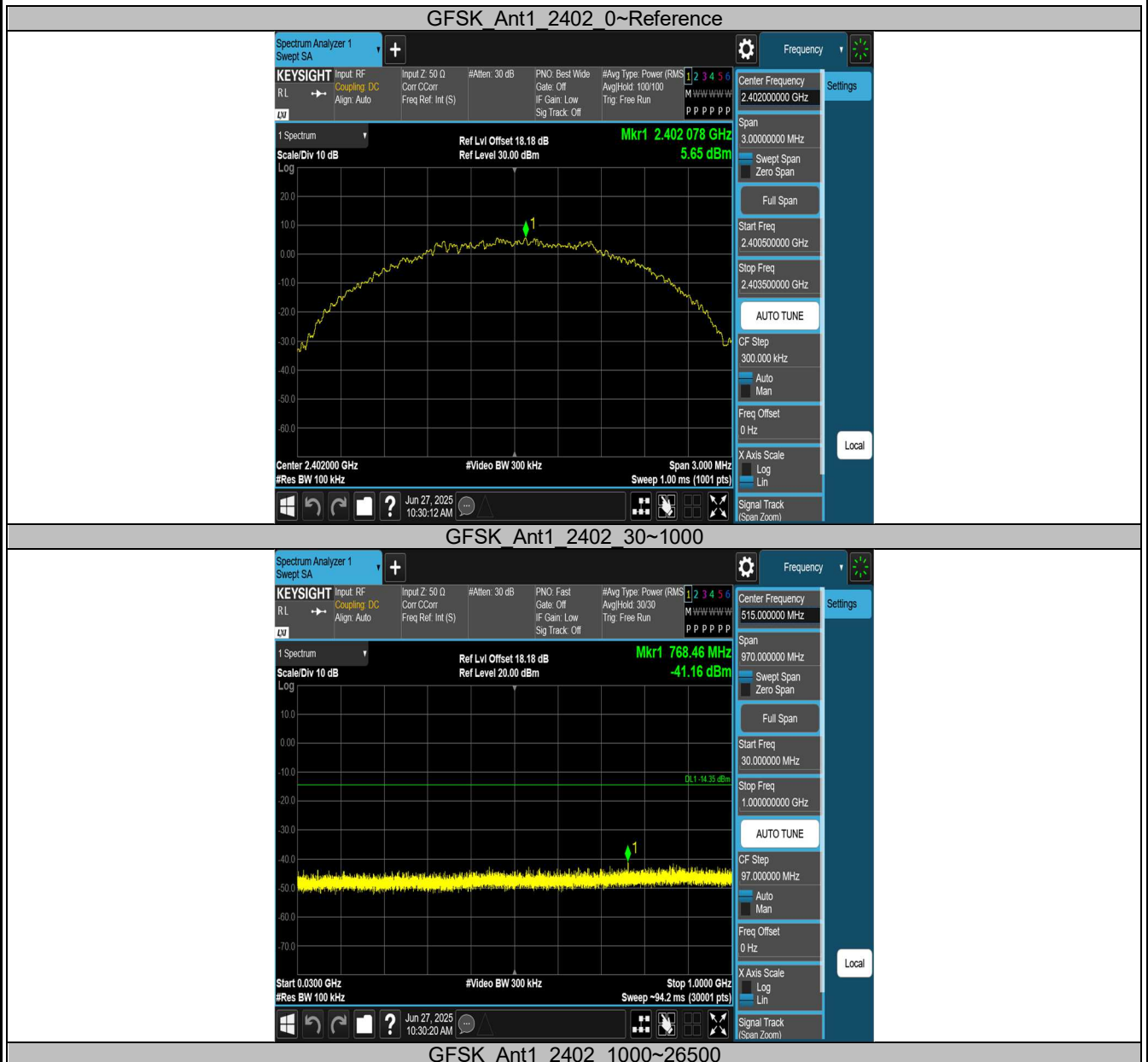


Appendix A.5: Test Results of Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
GFSK	Ant1	2402	Reference	5.65	5.65	---	PASS
			30~1000	5.65	-41.16	≤-14.35	PASS
			1000~26500	5.65	-32.4	≤-14.35	PASS
		2440	Reference	7.78	7.78	---	PASS
			30~1000	7.78	-41.5	≤-12.22	PASS
			1000~26500	7.78	-32.59	≤-12.22	PASS
		2480	Reference	5.46	5.46	---	PASS
			30~1000	5.46	-41.74	≤-14.54	PASS
			1000~26500	5.46	-32.25	≤-14.54	PASS

Test Graphs

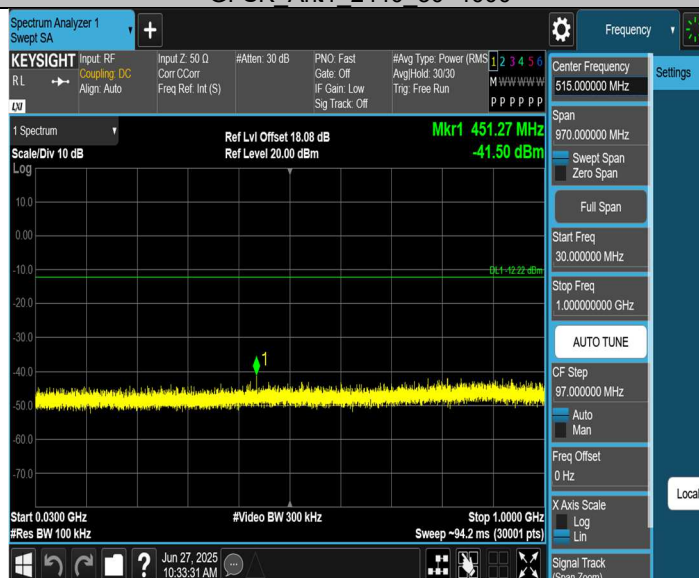




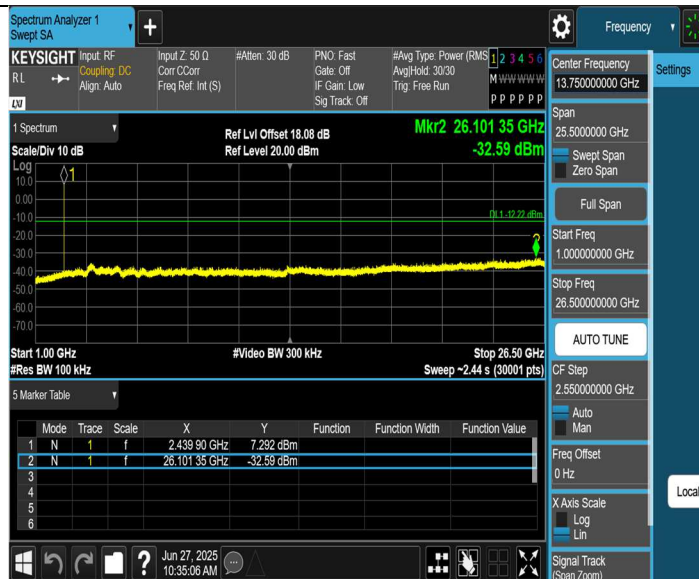
GFSK_Ant1_2440_0~Reference



GFSK_Ant1_2440_30~1000



GFSK_Ant1_2440_1000~26500



GFSK_Ant1_2480_0~Reference



GFSK_Ant1_2480_30~1000



GFSK_Ant1_2480_1000~26500



Appendix A.6: Test Results of Radiated Spurious Emissions

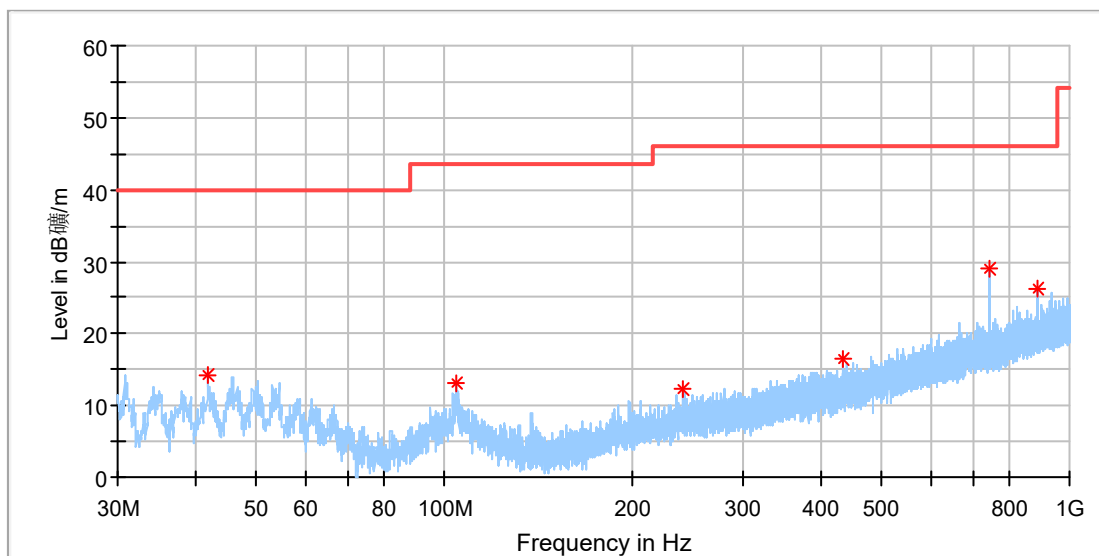
Note:

- 1) This testing was carried out on different modulations, but only the worst case was presented in this report.
- 2) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

30 MHz - 1GHz

EUT Information

EUT Name:	Antigravity Grip
Model:	SRCSE001
Test Mode:	Mid channel
Order No/Sample No:	168557113/A004004456-019
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

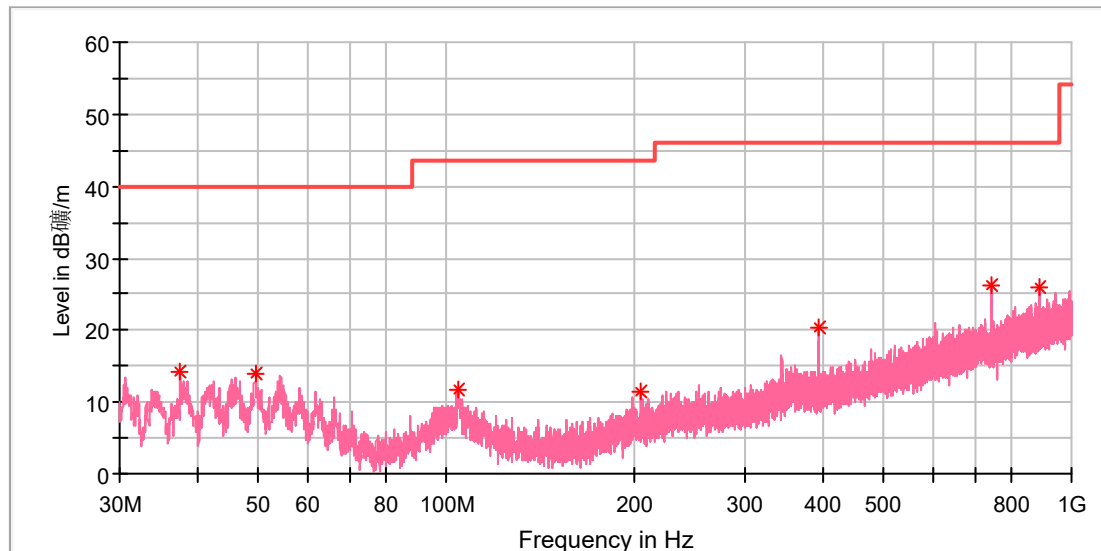
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
41.901154	14.18	40.00	25.82	100.0	H	160.0	-19.7
104.764615	13.11	43.50	30.39	100.0	H	330.0	-18.9
240.825769	12.26	46.00	33.74	100.0	H	160.0	-17.7
435.758462	16.37	46.00	29.63	100.0	H	238.0	-13.0
742.465000	28.98	46.00	17.02	100.0	H	273.0	-7.2
890.986923	26.15	46.00	19.85	100.0	H	347.0	-4.9

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Antigravity Grip
Model: SRCSE001
Test Mode: Mid channel
Order No/Sample No: 168557113/A004004456-019
Test Voltage: Battery
Remark: Temp 24 Humi:50%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

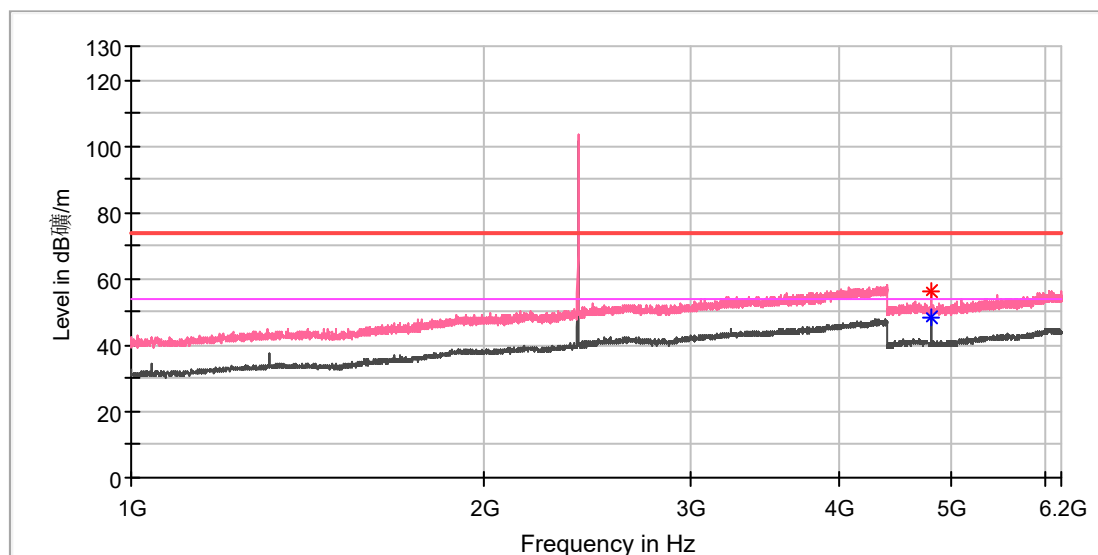
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
37.536154	14.25	40.00	25.75	100.0	V	119.0	-21.0
49.549231	14.00	40.00	26.00	100.0	V	145.0	-18.4
104.279615	11.63	43.50	31.87	100.0	V	272.0	-18.9
204.077692	11.38	43.50	32.12	100.0	V	6.0	-19.0
393.563462	20.40	46.00	25.60	100.0	V	0.0	-13.9
742.502308	26.34	46.00	19.66	100.0	V	340.0	-7.2
890.986923	25.83	46.00	20.17	100.0	V	76.0	-4.9

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

EUT Information

EUT Name:	Antigravity Grip
Model:	SRCSE001
Test Mode:	Low channel
Order No/Sample No:	168557113/A004004456-019
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4803.000000	56.08	---	74.00	17.92	150.0	V	119.0	13.3
4804.500000	---	48.62	54.00	5.38	150.0	V	103.0	13.3

Final Result

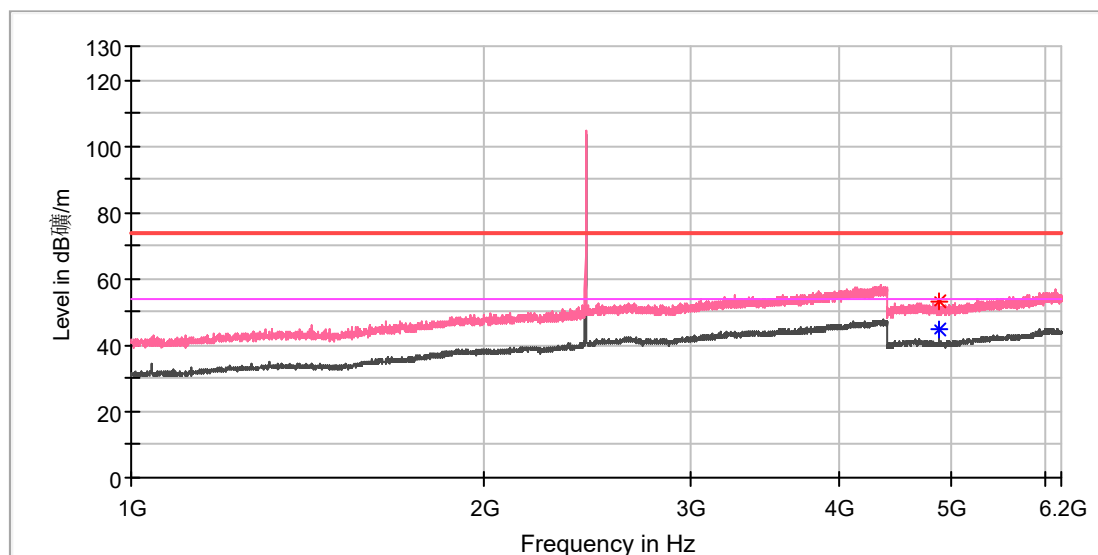
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Name:	Antigravity Grip
Model:	SRCSE001
Test Mode:	Mid channel
Order No/Sample No:	168557113/A004004456-019
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	Antigravity Grip
Model:	SRCSE001
Test Mode:	Mid channel
Order No/Sample No:	168557113/A004004456-019
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4879.000000	52.97	---	74.00	21.03	150.0	V	104.0	13.3
4879.000000	---	44.70	54.00	9.30	150.0	V	104.0	13.3

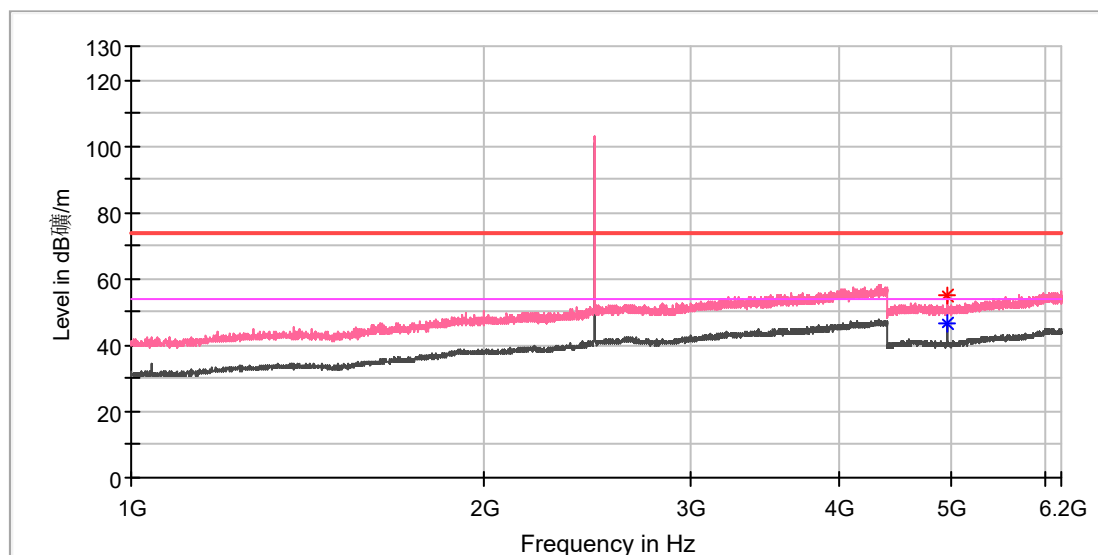
Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	Antigravity Grip
Model:	SRCSE001
Test Mode:	High channel
Order No/Sample No:	168557113/A004004456-019
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4959.500000	54.82	---	74.00	19.18	150.0	V	91.0	13.3
4960.500000	---	46.84	54.00	7.16	150.0	V	138.0	13.3

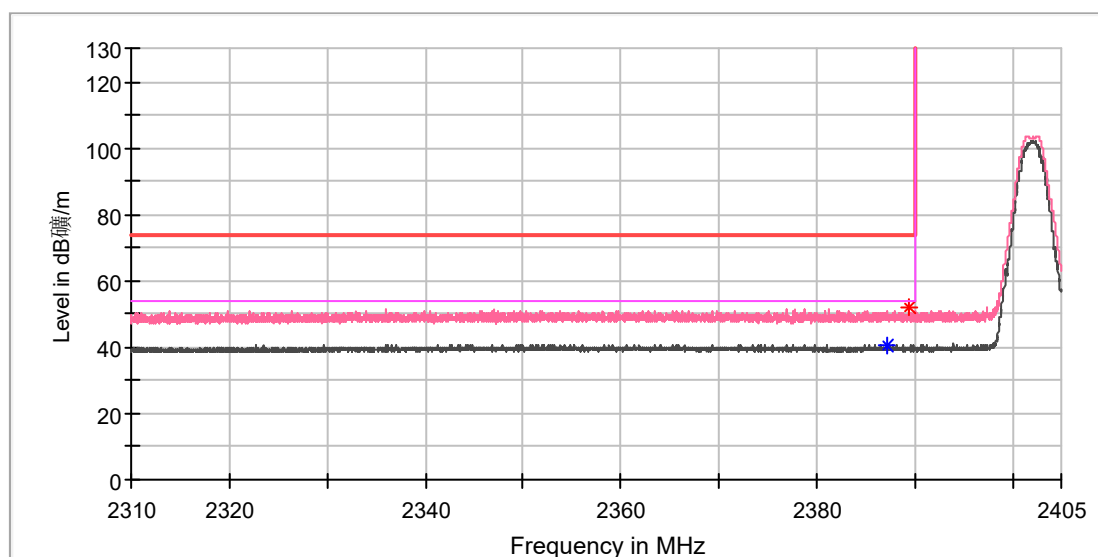
Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	Antigravity Grip
Model:	SRCSE001
Test Mode:	Low channel
Order No/Sample No:	168557113/A004004456-019
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2387.187500	---	40.39	54.00	13.61	150.0	V	79.0	8.5
2389.394853	52.11	---	74.00	21.89	150.0	V	5.0	8.5

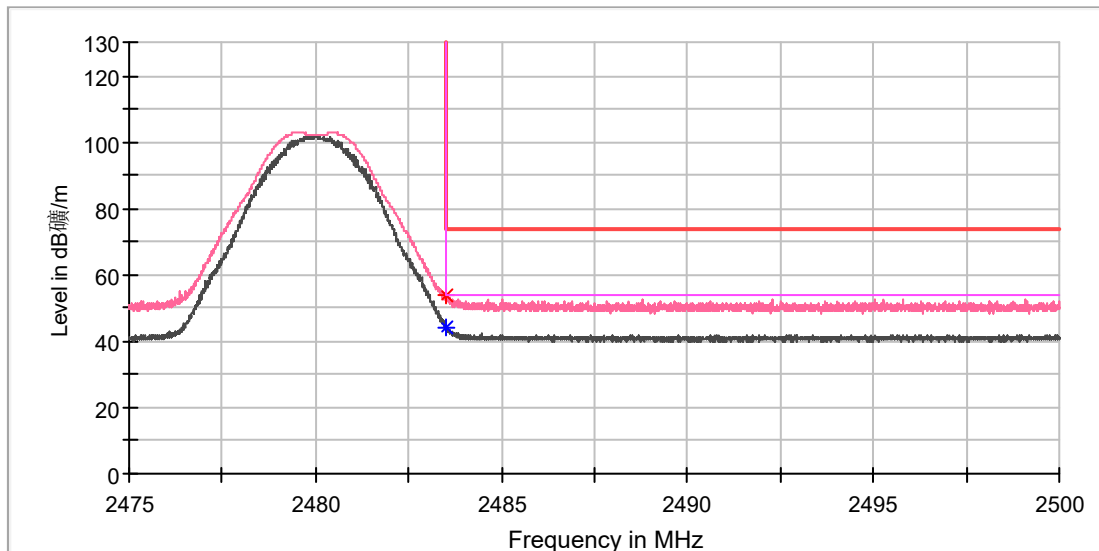
Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---		---	---

EUT Information

EUT Name:	Antigravity Grip
Model:	SRCSE001
Test Mode:	High channel
Order No/Sample No:	168557113/A004004456-019
Test Voltage:	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.503677	---	43.99	54.00	10.01	150.0	V	97.0	9.0
2483.511030	53.59	---	74.00	20.41	150.0	V	26.0	9.0

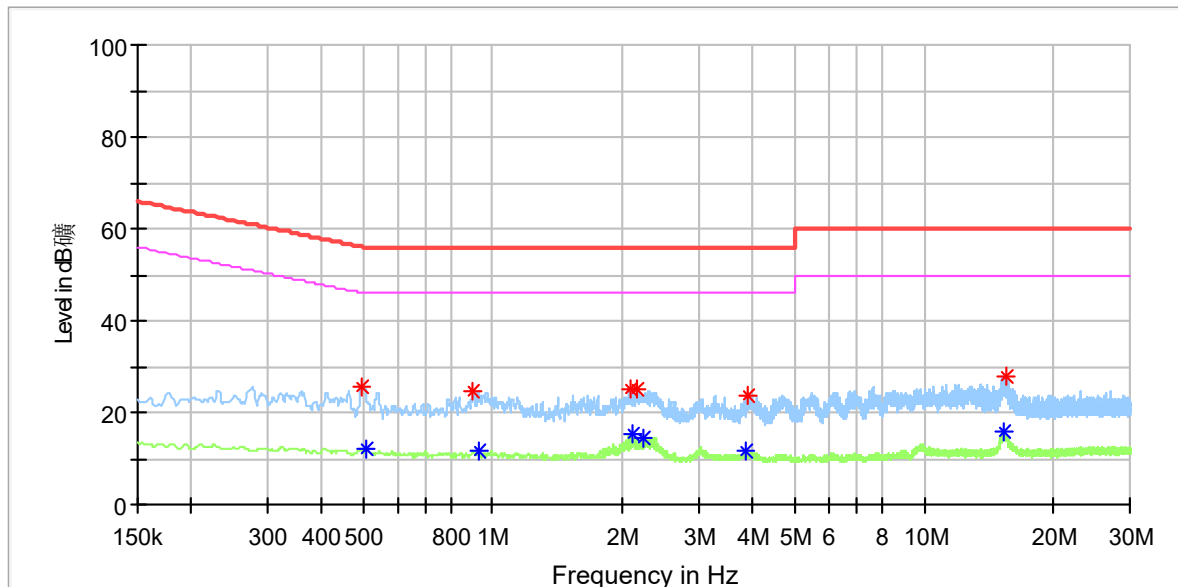
Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
----	----	-----	-----	-----	----		----	-----

Appendix A.8: Test Results of Conducted Emission on AC Mains

EUT Information

EUT Name: Antigravity Grip
Order Number: 168557113 130
Model: SRCSE001
Test Mode: Normal Operation
Test Voltage: AC 120V60Hz
Test Standard: FCC Part 15B
Test By:/Review By: Soloman Wu/ Murphy Chen
Tem./Hum./Pressure: 24.9°C/52.4%/101kPa
Remark: SR2

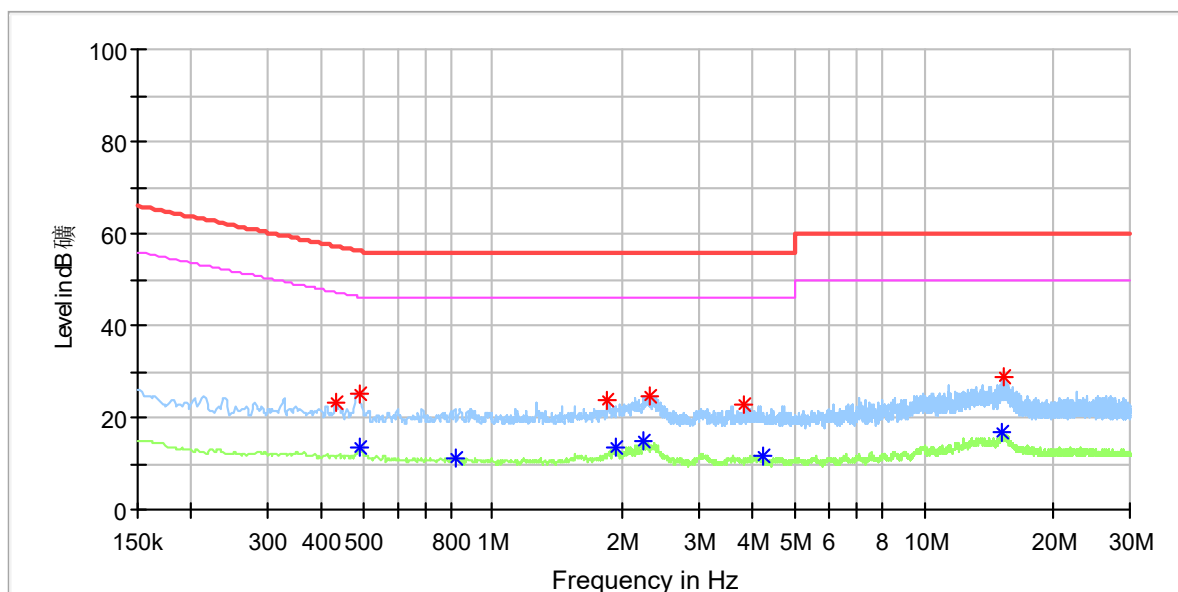


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.498	25.72	---	56.03	30.31	L1	10.2
0.508	---	12.16	46.00	33.84	L1	10.2
0.900	24.78	---	56.00	31.22	L1	10.3
0.926	---	11.67	46.00	34.33	L1	10.3
2.074	25.03	---	56.00	30.97	L1	10.3
2.112	---	15.17	46.00	30.83	L1	10.3
2.160	24.92	---	56.00	31.08	L1	10.3
2.243	---	14.64	46.00	31.36	L1	10.3
3.836	---	11.51	46.00	34.49	L1	10.3
3.913	23.74	---	56.00	32.26	L1	10.3
15.241	---	15.79	50.00	34.21	L1	10.7
15.432	27.84	---	60.00	32.16	L1	10.8

EUT Information

EUT Name: Antigravity Grip
Order Number: 168557113 130
Model: SRCSE001
Test Mode: Normal Operation
Test Voltage: AC 120V60Hz
Test Standard: FCC Part 15B
Test By./Review By: Soloman Wu/ Murphy Chen
Tem./Hum./Pressure: 24.9°C/52.4%/101kPa
Remark: SR2



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Line	Corr. (dB)
0.432	23.28	---	57.22	33.94	N	10.2
0.488	25.33	---	56.20	30.87	N	10.2
0.492	---	13.33	46.14	32.81	N	10.2
0.820	---	11.33	46.00	34.67	N	10.3
1.850	23.50	---	56.00	32.50	N	10.3
1.929	---	13.64	46.00	32.36	N	10.3
2.241	---	14.90	46.00	31.10	N	10.3
2.317	24.81	---	56.00	31.19	N	10.3
3.827	22.85	---	56.00	33.15	N	10.4
4.220	---	11.57	46.00	34.43	N	10.4
15.123	---	16.65	50.00	33.35	N	10.7
15.269	28.74	---	60.00	31.26	N	10.7