



<b>Prüfbericht-Nr.:</b> <i>Test report no.:</i>	<b>CN25OLMM 002</b>	<b>Auftrags-Nr.:</b> <i>Order no.:</i>	168550581	<b>Page 1 of 22</b> <i>Seite 1 von 22</i>
<b>Kunden-Referenz-Nr.:</b> <i>Client reference no.:</i>	N/A	<b>Auftragsdatum:</b> <i>Order date:</i>	2025-04-11	
<b>Auftraggeber:</b> <i>Client:</i>	<b>Harman International Industries, Inc</b> 8500 Balboa Blvd, Northridge, California, 91329, United States			
<b>Prüfgegenstand:</b> <i>Test item:</i>	BLUETOOTH HEADSET			
<b>Bezeichnung / Typ-Nr.:</b> <i>Identification / Type no.:</i>	SENSE PRO (Trademark: JBL)			
<b>Auftrags-Inhalt:</b> <i>Order content:</i>	Type test			
<b>Prüfgrundlage:</b> <i>Test specification:</i>	CFR47 FCC Part 15: Subpart C Section 15.247 CFR47 FCC Part 15: Subpart C Section 15.209		RSS-247 Issue 3 August 2023 RSS-Gen Issue 5 February 2021	
<b>Wareneingangsdatum:</b> <i>Date of sample receipt:</i>	2025-04-27	Refer to photos document		
<b>Prüfmuster-Nr.:</b> <i>Test sample no.:</i>	A003981536			
<b>Prüfzeitraum:</b> <i>Testing period:</i>	2025-04-27 – 2025-05-22			
<b>Ort der Prüfung:</b> <i>Place of testing:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.			
<b>Prüflaboratorium:</b> <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.			
<b>Prüfergebnis*:</b> <i>Test result*:</i>	Pass			
<b>geprüft von:</b> <i>tested by:</i>	X 	<b>genehmigt von:</b> <i>authorized by:</i>	X 	
<b>Datum:</b> <i>Date:</i>	2025-06-23 <small>Signed by: Harry W. C. Wu</small>	<b>Ausstellungsdatum:</b> <i>Issue date:</i>	2025-06-23 <small>Signed by: Alex Lan</small>	
<b>Stellung / Position:</b>	Project Manager	<b>Stellung / Position:</b>	Authorizer	
<b>Sonstiges /</b> <i>Other:</i>	FCC ID: APIJBLSPRO IC: 6132A-JBLSPRO      HVIN: SENSE PRO			
<b>Zustand des Prüfgegenstandes bei Anlieferung:</b> <i>Condition of the test item at delivery:</i>	Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>			
<small>* Legende:</small>	<small>P(ass) = entspricht o.g. Prüfgrundlage(n)      F(ail) = entspricht nicht o.g. Prüfgrundlage(n)      N/A = nicht anwendbar      N/T = nicht getestet</small>			
<small>* Legend:</small>	<small>P(ass) = passed a.m. test specification(s)      F(ail) = failed a.m. test specification(s)      N/A = not applicable      N/T = not tested</small>			
<b>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.</b> <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>				
TUV Rheinland (Shenzhen) Co., Ltd., 1601-1604, 1801-1804, Tower A Building 2, Shenzhen International Innovation Valley, Dashi 1st Road, Xili Street, Xili Community, Nanshan District, Shenzhen, 518000, P. R. China Mail: service-gc@tuv.com · Web: www.tuv.com				

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**Remarks**  
*Anmerkungen*

1	<p>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.</p> <p>Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.</p> <p><i>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.</i></p> <p><i>Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden.</i></p>
2	<p>As contractually agreed, this document has been signed digitally only. TÜV Rheinland has not verified and unable to verify which legal or other pertaining requirements are applicable for this document. Such verification is within the responsibility of the user of this document. Upon request by its client, TÜV Rheinland can confirm the validity of the digital signature by a separate document. Such request shall be addressed to our Sales department. An environmental fee for such additional service will be charged.</p> <p><i>Wie vertraglich vereinbart, wurde dieses Dokument nur digital unterzeichnet. Der TÜV Rheinland hat nicht überprüft, welche rechtlichen oder sonstigen diesbezüglichen Anforderungen für dieses Dokument gelten. Diese Überprüfung liegt in der Verantwortung des Benutzers dieses Dokuments. Auf Verlangen des Kunden kann der TÜV Rheinland die Gültigkeit der digitalen Signatur durch ein gesondertes Dokument bestätigen. Diese Anfrage ist an unseren Vertrieb zu richten. Eine Umweltgebühr für einen solchen zusätzlichen Service wird erhoben.</i></p>
3	<p>Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report. Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.</p> <p><i>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></p>
4	<p>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.</p> <p><i>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></p>

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## ***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 99%dB BANDWIDTH**

*RESULT: Pass*

**5.1.5 6dB BANDWIDTH**

*RESULT: Pass*

**5.1.6 FREQUENCY STABILITY**

*RESULT: Pass*

**5.1.7 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 KHZ BANDWIDTH**

*RESULT: Pass*

**5.1.8 RADIATED SPURIOUS EMISSION**

*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: Photographs of the Test Set-up

Appendix B: Test Results of Bluetooth Low Energy (Left earbud).

Appendix C: Test Results of Bluetooth Low Energy (Right earbud).

## 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

FCC Registration No.: CN1260

IC Registration No.: 25069 and the CAB identifier is CN0078.

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## 2.2 List of Test and Measurement Instruments

**Table 1: List of Test and Measurement Equipment**

<b>Radio Spectrum Testing</b>				
<b>Equipment</b>	<b>Manufacturer</b>	<b>Model</b>	<b>Serial No.</b>	<b>Cal. until</b>
EXA Signal Analyzer, Multi-touch	Keysight	N9010B	MY60241175	25.09.2025
MXG X-Series RF Vector Signal Generator	Keysight	N5182B	MY61250137	25.09.2025
EXG X-Series Microwave Analog Signal Generator	Keysight	N5173B	MY61250141	25.09.2025
DC Power Supply	Keysight	E3642A	MY61276100	25.09.2025
Wireless Connectivity Tester	R&S	CMW270	102505	25.09.2025
Power Control Unit	Tonscend	JS0806-4ADC	N/A	25.09.2025
Automation Control Unit	Tonscend	JS0806-2	21C8060396	25.09.2025
Humid & Temp Programmable Tester	BOST	NTH090-60	19040801	24.02.2026
Cable 1	Calibration frequency range: 9 kHz~1.0 GHz			20.12.2025
Cable 2	Calibration frequency range: 9 kHz~18 GHz			20.12.2025
Cable 3	Calibration frequency range: 1 GHz~40 GHz			20.12.2025
Test Software	Tonscend	JS1120-3	N/A	N/A
Control PC	Lenovo	TianYi510S-071MB	YLX23JMF	N/A
<b>Unwanted Emission Testing</b>				
<b>Equipment</b>	<b>Manufacturer</b>	<b>Model</b>	<b>Serial No.</b>	<b>Cal. until</b>
EMI Test Receiver	R&S	ESR 7	102021	28.09.2025
Signal Analyzer	R&S	FSV 40	101439	28.09.2025
System Controller Interface	R&S	SCI-100	S10010038	N/A
Filterbank	R&S	Wlan	100759	28.09.2025
OSP	R&S	OSP 120	102040	N/A
Pre-amplifier	R&S	SCU08F1	08320031	28.09.2025
Amplifier	R&S	SCU-18F	180070	28.09.2025
Amplifier	R&S	SCU40A	100475	28.09.2025
Trilog Broadband Antenna (30 MHz - 7 GHz)	Schwarzbeck	VULB 9162	193	27.09.2026
Double-Ridged Antenna (1 -18 GHz)	ETS-LINDGREN	3117	00218717	27.09.2026
Wideband Ridged Horn Antenna (18-40 GHz)	Steatite	QMS-00880	19067	27.09.2026
Active Loop Antenna	Schwarzbeck	FMZB 1513	302	27.09.2026
Test software	R&S	EMC32 (V10.60.10)	N/A	N/A
Control PC	Dell	OptiPlex 7050	36NV9P2	N/A
3m Semi-Anechoic Chamber	Albatross	SAC-3m	APC17151-SAC	13.09.2027
Above 1G cable #1 i	Calibration frequency range: 9 kHz~6 GHz			20.12.2025
Above 1G cable #2	Calibration frequency range: 1 GHz~18 GHz			20.12.2025
Antenna-Preamplifier 40GHz cable	Calibration frequency range: 1 GHz~40 GHz			20.12.2025

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## 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.

Parameter	Uncertainty (k=2)
Occupied Channel Bandwidth	± 2.08 %
RF output power, conducted	± 0.99 dB
RF power density, conducted	± 0.99 dB
Unwanted Emissions, conducted	± 0.89 dB
All emissions, radiated	± 4.17 dB

## 2.6 Location of Original Data

The original copies of all test data taken during actual testing were attached at Appendix A & B & C of this report and delivered to the applicant. A copy has been retained in the TÜV Rheinland (Shenzhen) 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.

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### 3 General Product Information

#### 3.1 Product Function and Intended Use

The EUT is a Bluetooth headset, which consist of a left earbud, a right earbud and a charging case, the left & right earbuds supports Bluetooth dual mode technology.

The left earbud is differences with right earbud in PCB layout and antenna.

The Classical Bluetooth and Bluetooth low energy can't transmit at the same time.

For details refer to the User Manual and Circuit Diagram.

#### 3.2 Ratings and System Details

**Table 2: Technical Specification of EUT**

General Information of EUT	Value
Kind of Equipment	BLUETOOTH HEADSET
Type Designation	SENSE PRO
Trademark	JBL
FCC ID	APIJBLSPRO
IC	6132A-JBLSPRO
HVIN	SENSE PRO
Extreme Temperature Range	0°C to +45°C
Operating Voltage	For charging case: Input: DC 5V, 1A via Type C interface or DC 3.87V, 630mAh, 2.44Wh via built-in Li-ion battery Output: DC 5V, 200mA * 2  For left & right earbuds: DC 3.87V, 60mAh, 0.24Wh via built-in lithium-ion battery DC 5V, 0.2A*2 via charging case
<b>Technical Specification of Classic Bluetooth</b>	
Operating Frequency band	2402 ~ 2480 MHz
Channel Number	79 channels
Channel separation	1MHz
Modulation	GFSK, $\pi/4$ DQPSK, 8DPSK
Antenna Type	FPC antenna
Antenna Gain	0.6 dBi for left and right earbud (Provided by the Client)
<b>Technical Specification of Bluetooth Low Energy</b>	
Operating Frequency band	2402 – 2480 MHz
Channel Number	40 channels
Channel separation	2MHz
Data rate	1Mbps, 2Mbps
Modulation	GFSK
Antenna Type	FPC antenna
Antenna Gain	0.6 dBi for left and right earbud (Provided by the Client)

**Table 3: RF Channel and Frequency of Classic Bluetooth**

RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
<b>00</b>	<b>2402.00</b>	20	2422.00	40	2442.00	60	2462.00
01	2403.00	21	2423.00	41	2443.00	61	2463.00
02	2404.00	22	2424.00	42	2444.00	62	2464.00
03	2405.00	23	2425.00	43	2445.00	63	2465.00
04	2406.00	24	2426.00	44	2446.00	64	2466.00
05	2407.00	25	2427.00	45	2447.00	65	2467.00
06	2408.00	26	2428.00	46	2448.00	66	2468.00
07	2409.00	27	2429.00	47	2449.00	67	2469.00
08	2410.00	28	2430.00	48	2450.00	68	2470.00
09	2411.00	29	2431.00	49	2451.00	69	2471.00
10	2412.00	30	2432.00	50	2452.00	70	2472.00
11	2413.00	31	2433.00	51	2453.00	71	2473.00
12	2414.00	32	2434.00	52	2454.00	72	2474.00
13	2415.00	33	2435.00	53	2455.00	73	2475.00
14	2416.00	34	2436.00	54	2456.00	74	2476.00
15	2417.00	35	2437.00	55	2457.00	75	2477.00
16	2418.00	36	2438.00	56	2458.00	76	2478.00
17	2419.00	37	2439.00	57	2459.00	77	2479.00
18	2420.00	38	2440.00	58	2460.00	<b>78</b>	<b>2480.00</b>
19	2421.00	<b>39</b>	<b>2441.00</b>	59	2461.00	--	--

**Table 4: RF Channel and Frequency of Bluetooth Low Energy**

RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
<b>00</b>	<b>2402.00</b>	10	2422.00	20	2442.00	30	2462.00
01	2404.00	11	2424.00	21	2444.00	31	2464.00
02	2406.00	12	2426.00	22	2446.00	32	2466.00
03	2408.00	13	2428.00	23	2448.00	33	2468.00
04	2410.00	14	2430.00	24	2450.00	34	2470.00
05	2412.00	15	2432.00	25	2452.00	35	2472.00
06	2414.00	16	2434.00	26	2454.00	36	2474.00
07	2416.00	17	2436.00	27	2456.00	37	2476.00
08	2418.00	18	2438.00	28	2458.00	38	2478.00
09	2420.00	<b>19</b>	<b>2440.00</b>	29	2460.00	<b>39</b>	<b>2480.00</b>

### **3.3 Independent Operation Modes**

The basic operation modes are:

- A. On, Bluetooth LE transmitting mode
  - 1. Low channel
  - 2. Middle channel
  - 3. High channel
- B. On, Bluetooth connecting mode
- C. Off

### **3.4 Noise Generating and Noise Suppressing Parts**

Refer to Circuit Diagram for further details.

### **3.5 Submitted Documents**

- Application Form
- Block Diagram
- FCC/IC Label and Location Info
- Operation Description
- Photo Document
- Schematics
- User Manual

## 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 testing were performed according to the procedures in ANSI C63.10: 2013.

### 4.3 Special Accessories and Auxiliary Equipment

Table 5: List of Accessories and Auxiliary Equipment

Description	Manufacturer	Model	S/N or Rating
Laptop	Lenovo	T480	PF-16A6N8
AC/DC Adapter	SAMSUNG	EP-T6530	Input: 100-240V, 50/60Hz, 1.7A Output: DC 5V, 3A

### 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 30MHz)

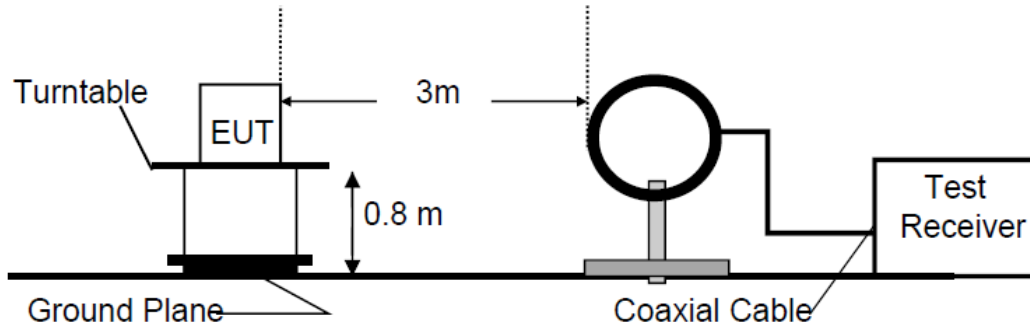


Diagram of Measurement Configuration for Radiation Test (Below 1GHz)

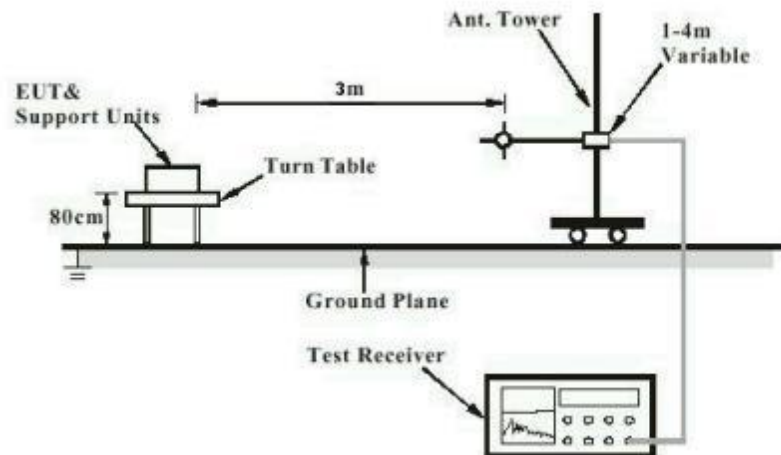
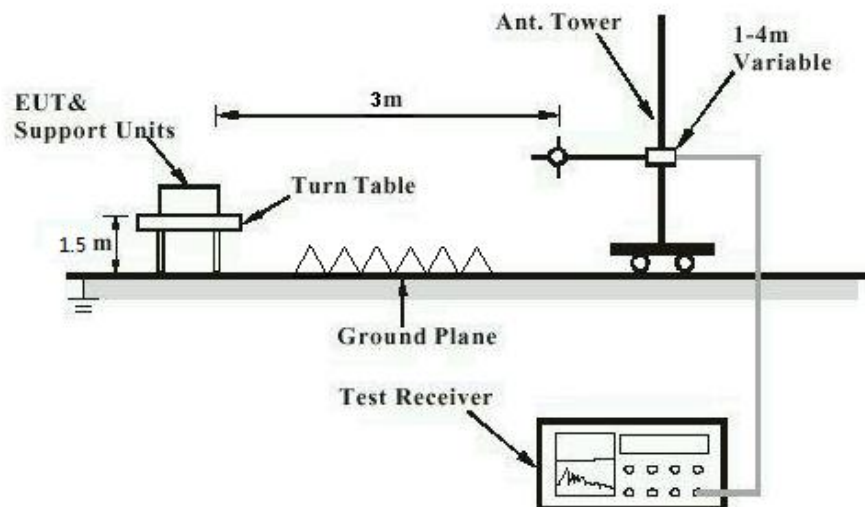
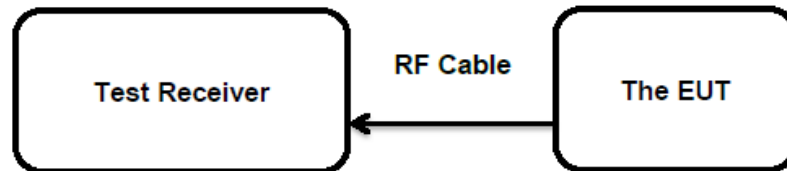


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)



**Diagram of Measurement Configuration for Conducted Transmitter Measurement**



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## 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 6.7
Limit	:	the use of antennas with directional gains that do not exceed 6 dBi

According to the manufacturer declared, the EUT has one FPC antenna, the directional gain of antennas is 0.6 dBi for left earbud & right earbud, 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.

**Prüfbericht-Nr.: CN25OLMM 002**  
*Test report no.:*

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### 5.1.2 Maximum Peak Conducted Output Power

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

Test standard : FCC Part 15.247(b)(3)  
                   : RSS-247 Clause 5.4(d)  
 Basic standard : ANSI C63.10: 2013  
 Limits : < 1 Watt (Maximum Conducted Peak Power)  
           : e.i.r.p. <4W  
 Kind of test site : Shielded Room

**Test Setup**

Date of testing : 2025-04-27 to 2025-05-22  
 Input voltage : DC 3.87V  
 Operation mode : A  
 Test channel : Low / Middle / High  
 Ambient temperature : 24.8 °C  
 Relative humidity : 55 %  
 Atmospheric pressure : 101 kPa

For details refer to following test result.

**Table 6: Test Result of Maximum Peak Conducted Output Power, Left earbud**

Data Rate	Test Channel (MHz)	Measured Peak Power		Limit (W)
		(dBm)	(W)	
1 Mbps	2402	2.89	0.00195	< 1.0
	2440	2.70	0.00186	
	2480	1.98	0.00158	
2 Mbps	2402	2.96	0.00198	
	2440	2.79	0.00190	
	2480	1.98	0.00158	
<b>Maximum Measured Value</b>		2.96	0.00198	

Note: The cable loss is taken into account in results and the maximum e.i.r.p. is 3.56 dBm less than 4W (36 dBm).

**Table 7: Test Result of Maximum Peak Conducted Output Power, Right earbud**

Data Rate	Test Channel (MHz)	Measured Peak Power		Limit (W)
		(dBm)	(W)	
1 Mbps	2402	1.15	0.00130	< 1.0
	2440	0.79	0.00120	
	2480	0.09	0.00102	
2 Mbps	2402	1.10	0.00129	
	2440	0.80	0.00120	
	2480	0.02	0.00100	
<b>Maximum Measured Value</b>		1.15	0.00130	

Note: The cable loss is taken into account in results and the maximum e.i.r.p. is 1.75 dBm less than 4W (36 dBm).

### 5.1.3 Conducted Power Spectral Density

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

Test standard : FCC Part 15.247(e)  
                   : RSS-247 Clause 5.2(b)  
 Basic standard : ANSI C63.10: 2013  
 Limits : 8 dBm / 3kHz  
 Kind of test site : Shielded Room

**Test Setup**

Date of testing : 2025-04-27 to 2025-05-22  
 Input voltage : DC 3.87V  
 Operation mode : A  
 Test channel : Low / Middle / High  
 Ambient temperature : 24.8 °C  
 Relative humidity : 55 %  
 Atmospheric pressure : 101 kPa

For the measurement records, refer to the appendix B &amp; C.

**Table 8: Test Result of Conducted Power Spectral Density, Left earbud**

Data Rate	Channel Frequency (MHz)	Measured Conducted Power Spectral Density	Limit
		(dBm / 3kHz)	
1 Mbps	2402	-12.62	8 dBm / 3kHz
	2440	-12.79	
	2480	-13.63	
2 Mbps	2402	-15.98	8 dBm / 3kHz
	2440	-16.09	
	2480	-16.87	

**Table 9: Test Result of Conducted Power Spectral Density, Right earbud**

Data Rate	Channel Frequency (MHz)	Measured Conducted Power Spectral Density	Limit
		(dBm / 3kHz)	
1 Mbps	2402	-14.62	8 dBm / 3kHz
	2440	-14.85	
	2480	-15.90	
2 Mbps	2402	-17.98	8 dBm / 3kHz
	2440	-18.12	
	2480	-19.12	

**Prüfbericht-Nr.: CN25OLMM 002**  
*Test report no.:*

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### 5.1.4 99%dB Bandwidth

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

 Test standard : RSS-Gen clause 6.7  
 Basic standard : ANSI C63.10: 2013  
 Kind of test site : Shielded Room

**Test Setup**

 Date of testing : 2025-04-27 to 2025-05-22  
 Input voltage : DC 3.87V  
 Operation mode : A  
 Test channel : Low / Middle / High  
 Ambient temperature : 24.8 °C  
 Relative humidity : 55 %  
 Atmospheric pressure : 101 kPa

For the measurement records, refer to the appendix B &amp; C.

**Table 10: Test Result of 99% Bandwidth, Left earbud**

Data Rate	Channel Frequency (MHz)	Measured 99% Bandwidth	Limit
		(MHz)	
1 Mbps	2402	1.0399	/
	2440	1.0383	
	2480	1.0379	
2 Mbps	2402	2.0574	/
	2440	2.0510	
	2480	2.0642	

**Table 11: Test Result of 99% Bandwidth, Right earbud**

Data Rate	Channel Frequency (MHz)	Measured 99% Bandwidth	Limit
		(MHz)	
1 Mbps	2402	1.0343	/
	2440	1.0450	
	2480	1.0450	
2 Mbps	2402	2.0585	/
	2440	2.0587	
	2480	2.0711	

Note: The fundamental emissions stay within the allocated band 2400-2483.5MHz.

**Prüfbericht-Nr.: CN25OLMM 002**  
*Test report no.:*

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### 5.1.5 6dB Bandwidth

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

 Test standard : FCC Part 15.247(a)(2)  
                   : RSS-247 Clause 5.2(a)  
 Basic standard : ANSI C63.10: 2013  
 Kind of test site : Shielded Room

**Test Setup**

 Date of testing : 2025-04-27 to 2025-05-22  
 Input voltage : DC 3.87V  
 Operation mode : A  
 Test channel : Low / Middle / High  
 Ambient temperature : 24.8 °C  
 Relative humidity : 55 %  
 Atmospheric pressure : 101 kPa

For the measurement records, refer to the appendix B &amp; C.

**Table 12: Test Result of 6dB Bandwidth, Left earbud**

Data Rate	Channel Frequency (MHz)	Measured 6dB Bandwidth	Limit
		(MHz)	
1 Mbps	2402	0.684	>500kHz
	2440	0.680	
	2480	0.692	
2 Mbps	2402	1.128	>500kHz
	2440	1.140	
	2480	1.108	

**Table 13: Test Result of 6dB Bandwidth, Right earbud**

Data Rate	Channel Frequency (MHz)	Measured 6dB Bandwidth	Limit
		(MHz)	
1 Mbps	2402	0.672	>500kHz
	2440	0.672	
	2480	0.700	
2 Mbps	2402	1.132	>500kHz
	2440	1.128	
	2480	1.156	

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### 5.1.6 Frequency stability

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

Test standard : RSS-247 Clause 8.11  
Basic standard : ANSI C63.10: 2013  
Limits : within at least the central 80% of its permitted operating frequency band (2400-2483.5MHz)  
Kind of test site : Shielded Room

**Test Setup**

Date of testing : 2025-04-27 to 2025-05-22  
Input voltage : DC 3.87V  
Operation mode : B  
Ambient temperature : 24.8 °C  
Relative humidity : 55 %  
Atmospheric pressure : 101 kPa

For the measurement records, refer to the appendix B & C.

Prüfbericht-Nr.: **CN25OLMM 002**  
Test report no.:Seite 20 von 22  
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### 5.1.7 Conducted Spurious Emissions Measured in 100 kHz Bandwidth

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

Test standard	:	FCC Part 15.247(d) RSS-247 Clause 5.5
Basic standard	:	ANSI C63.10: 2013
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	:	2025-04-27 to 2025-05-22
Input voltage	:	DC 3.87V
Operation mode	:	A
Test channel	:	Low / Middle / High
Ambient temperature	:	24.8 °C
Relative humidity	:	55 %
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 B & C.

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## 5.1.8 Radiated Spurious Emission

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

Test standard	:	FCC Part 15.247(d) & FCC Part 15.205 RSS-247 Clause 3.3 & 5.5
Basic standard	:	ANSI C63.10: 2013
Limits	:	Refer to 15.209(a) of FCC part 15.247(d) RSS-Gen Table 4 & Table 5
Kind of test site	:	3m Semi-anechoic Chamber

**Test Setup**

Date of testing	:	2025-04-27 to 2025-05-22
Input voltage	:	DC 3.87V
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 B & C.

## 6 Photographs of the Test Set-Up

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

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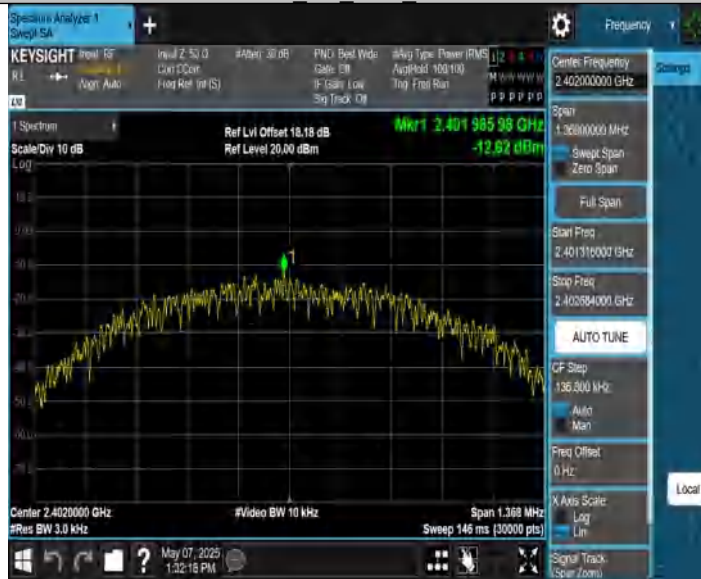
## Appendix B: Test Results of Bluetooth Low Energy (Left earbud)

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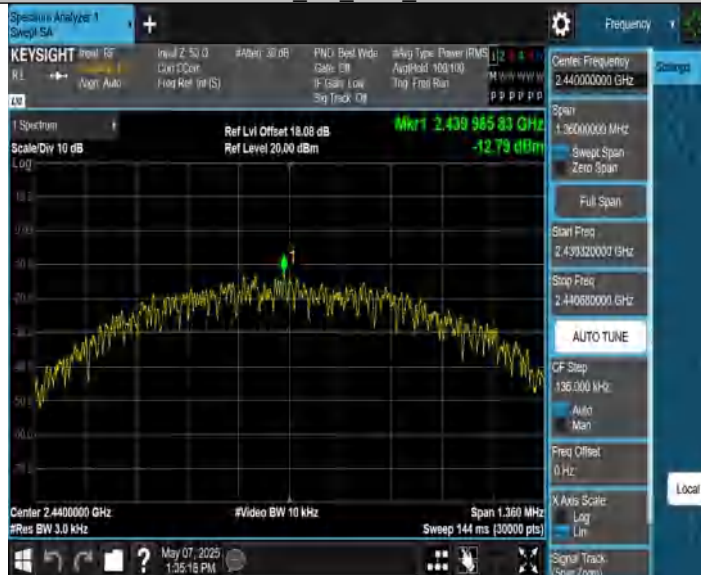
### Appendix B.1: Test Results of Conducted Power Spectral Density

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.62	≤8.00	PASS
		2440	-12.79	≤8.00	PASS
		2480	-13.63	≤8.00	PASS
BLE_2M	Ant1	2402	-15.98	≤8.00	PASS
		2440	-16.09	≤8.00	PASS
		2480	-16.87	≤8.00	PASS

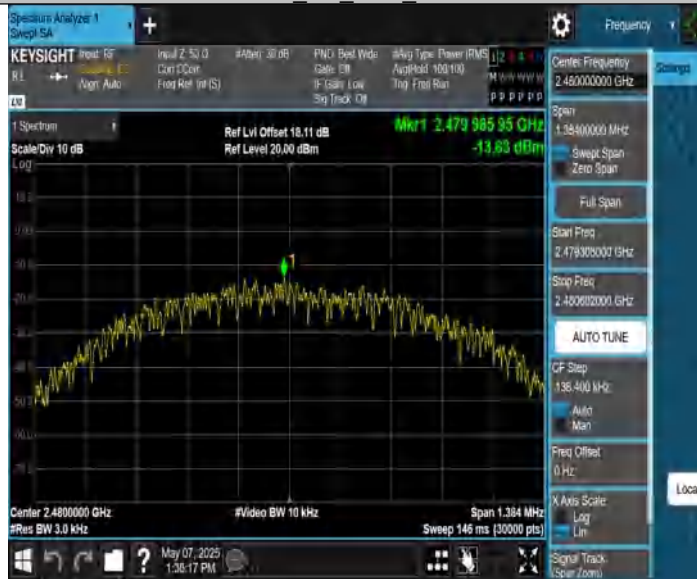
BLE 1M Ant1 2402



BLE 1M Ant1 2440



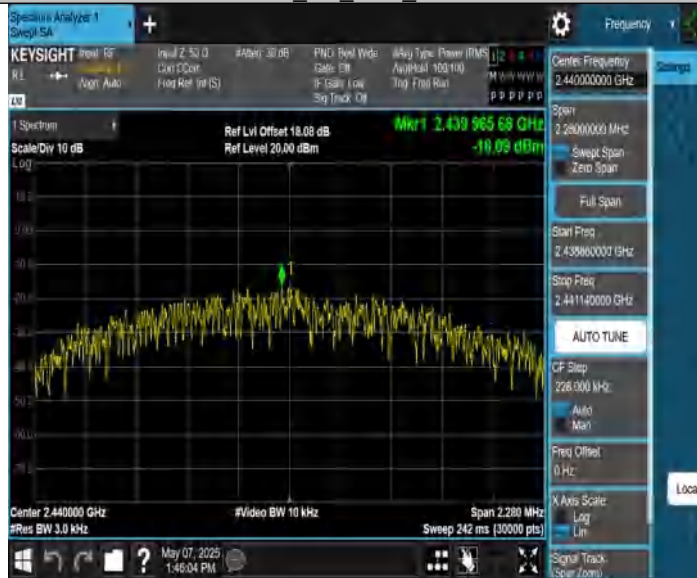
BLE 1M Ant1 2480



BLE 2M Ant1 2402



BLE 2M Ant1 2440



BLE 2M Ant1 2480



Appendix B.2: Test Results of 6dB Bandwidth

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.684	2401.664	2402.348	0.5	PASS
		2440	0.680	2439.668	2440.348	0.5	PASS
		2480	0.692	2479.656	2480.348	0.5	PASS
BLE_2M	Ant1	2402	1.128	2401.424	2402.552	0.5	PASS
		2440	1.140	2439.448	2440.588	0.5	PASS
		2480	1.108	2479.452	2480.560	0.5	PASS

BLE 1M Ant1 2402



BLE 1M Ant1 2440



BLE 1M Ant1 2480



BLE 2M Ant1 2402



BLE 2M\_Ant1\_2440



BLE 2M Ant1 2480



### Appendix B.3: Test Results of 99% Bandwidth

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0399	2401.4988	2402.5387	---	---
		2440	1.0383	2439.4980	2440.5363	---	---
		2480	1.0379	2479.4960	2480.5339	---	---
BLE_2M	Ant1	2402	2.0574	2401.0001	2403.0575	---	---
		2440	2.0510	2439.0037	2441.0547	---	---
		2480	2.0642	2478.9946	2481.0588	---	---

BLE\_1M\_Ant1\_2402



BLE\_1M\_Ant1\_2440



BLE 1M Ant1 2480



BLE 2M Ant1 2402



BLE 2M\_Ant1\_2440



BLE 2M Ant1 2480



### Appendix B.4: Test Results of Frequency stability

Test Channel (MHz)	2402
--------------------	------

#### Test result of frequency tolerance of voltage variation

Voltage	Test result (MHz)	Deviation Frequency (KHz)	Test result (ppm)	Limit (ppm)
DC 3.87V	2401.989	-11	-4.58	10
DC 3.483V	2401.986	-14	-5.83	
DC 4.257V	2401.988	-12	-5.00	

#### Test result of frequency tolerance of temperature variation

Temperature (°C)	Test result (MHz)	Deviation Frequency (KHz)	Test result (ppm)	Limit (ppm)
-30	2401.986	-14	-5.83	10
-20	2401.987	-13	-5.41	
-10	2401.987	-13	-5.41	
0	2401.989	-11	-4.58	
10	2401.990	-10	-4.16	
20	2401.988	-12	-5.00	
30	2401.986	-14	-5.83	
40	2401.987	-13	-5.41	
50	2401.985	-15	-6.24	
55	2401.984	-16	-6.66	

Test Channel (MHz)	2440
--------------------	------

#### Test result of frequency tolerance of voltage variation

Voltage	Test result (MHz)	Deviation Frequency (KHz)	Test result (ppm)	Limit (ppm)
DC 3.87V	2439.985	-15	-6.15	10
DC 3.483V	2439.984	-16	-6.56	
DC 4.257V	2439.983	-17	-6.97	

#### Test result of frequency tolerance of temperature variation

Temperature (°C)	Test result (MHz)	Deviation Frequency (KHz)	Test result (ppm)	Limit (ppm)
-30	2439.990	-10	-4.10	10
-20	2439.986	-14	-5.74	
-10	2439.985	-15	-6.15	
0	2439.987	-13	-5.33	
10	2439.986	-14	-5.74	
20	2439.987	-13	-5.33	
30	2439.989	-11	-4.51	
40	2439.988	-12	-4.92	
50	2439.990	-10	-4.10	
55	2439.991	-9	-3.69	

Test Channel (MHz)	2480
--------------------	------

**Test result of frequency tolerance of voltage variation**

Voltage	Test result (MHz)	Deviation Frequency (KHz)	Test result (ppm)	Limit (ppm)
DC 3.87V	2479.987	-13	-5.24	10
DC 3.483V	2479.985	-15	-6.05	
DC 4.257V	2479.987	-13	-5.24	

**Test result of frequency tolerance of temperature variation**

Temperature (°C)	Test result (MHz)	Deviation Frequency (KHz)	Test result (ppm)	Limit (ppm)
-30	2479.985	-15	-6.05	10
-20	2479.985	-15	-6.05	
-10	2479.983	-17	-6.85	
0	2479.984	-16	-6.45	
10	2479.983	-17	-6.85	
20	2479.989	-11	-4.44	
30	2479.992	-8	-3.23	
40	2479.991	-9	-3.63	
50	2479.993	-7	-2.82	
55	2479.993	-7	-2.82	

### Appendix B.5: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

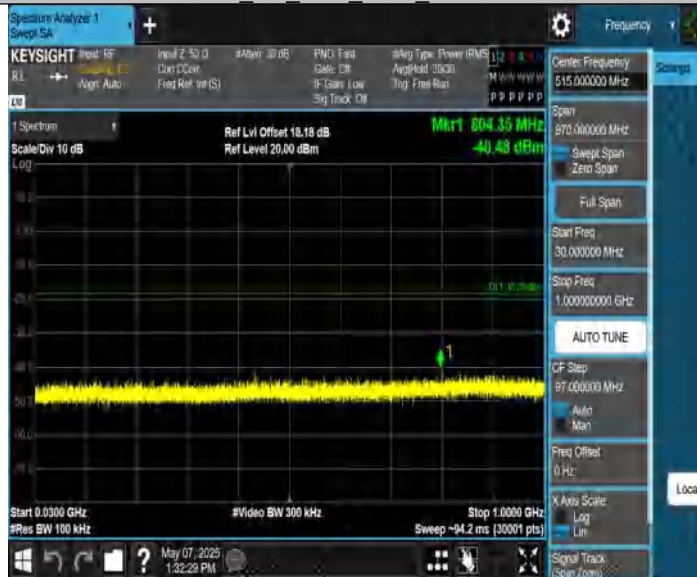
#### Conducted Spurious Emission

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	1.75	1.75	---	PASS
			30~1000	1.75	-40.49	≤-18.25	PASS
			1000~26500	1.75	-32.39	≤-18.25	PASS
		2440	Reference	1.72	1.72	---	PASS
			30~1000	1.72	-42.09	≤-18.28	PASS
			1000~26500	1.72	-33.23	≤-18.28	PASS
		2480	Reference	0.74	0.74	---	PASS
			30~1000	0.74	-41.11	≤-19.26	PASS
			1000~26500	0.74	-33.01	≤-19.26	PASS
BLE_2M	Ant1	2402	Reference	1.82	1.82	---	PASS
			30~1000	1.82	-41.73	≤-18.18	PASS
			1000~26500	1.82	-32.31	≤-18.18	PASS
		2440	Reference	1.69	1.69	---	PASS
			30~1000	1.69	-41.74	≤-18.31	PASS
			1000~26500	1.69	-31.44	≤-18.31	PASS
		2480	Reference	0.85	0.85	---	PASS
			30~1000	0.85	-41.73	≤-19.15	PASS
			1000~26500	0.85	-32.79	≤-19.15	PASS

BLE 1M Ant1 2402 0~Reference



BLE 1M Ant1 2402 30~1000



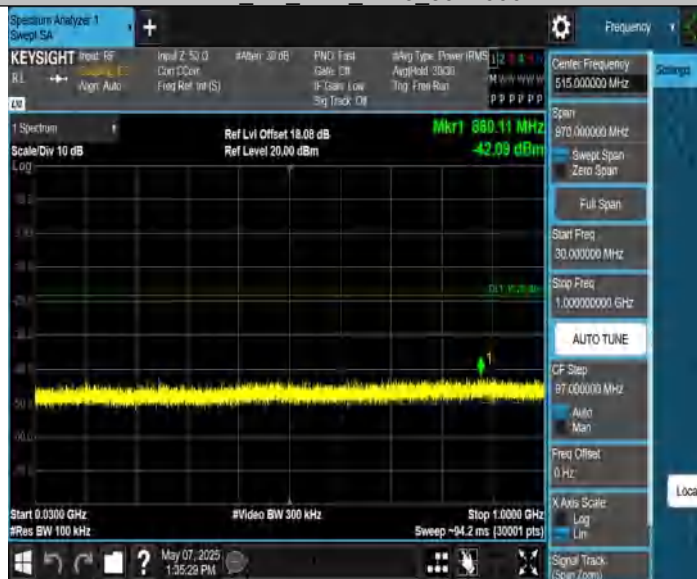
BLE 1M Ant1 2402 1000~26500



BLE 1M Ant1 2440 0~Reference



BLE 1M Ant1 2440 30~1000



BLE 1M Ant1 2440 1000~26500



BLE 1M Ant1 2480 0~Reference



BLE 1M Ant1 2480 30~1000



BLE 1M Ant1 2480 1000~26500



BLE 2M Ant1 2402\_0~Reference



BLE 2M Ant1 2402 30~1000



BLE 2M Ant1 2402 1000~26500



BLE 2M Ant1 2440 0~Reference



BLE 2M Ant1 2440 30~1000



BLE 2M Ant1 2440 1000~26500



BLE 2M Ant1 2480 0~Reference



BLE\_2M\_Ant1\_2480\_30~1000



BLE\_2M\_Ant1\_2480\_1000~26500



### Band edge measurements

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.54	-43.16	≤-18.46	PASS
		High	2480	0.64	-45.08	≤-19.36	PASS
BLE_2M	Ant1	Low	2402	1.95	-42.44	≤-18.05	PASS
		High	2480	0.65	-43.62	≤-19.35	PASS

BLE 1M Ant1 Low 2402



BLE 1M Ant1 High 2480



BLE 2M Ant1 Low 2402



BLE 2M Ant1 High 2480



## Appendix B.6: Test Results of Radiated Spurious Emissions

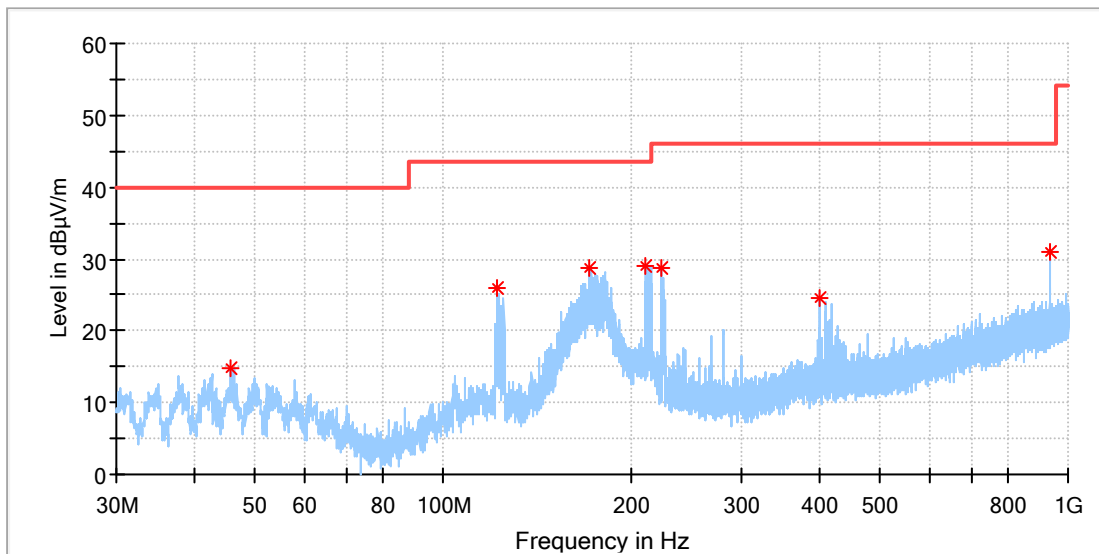
Note:

- 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:	Bluetooth Headset
Model:	Sense pro
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168550581/A004001751-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

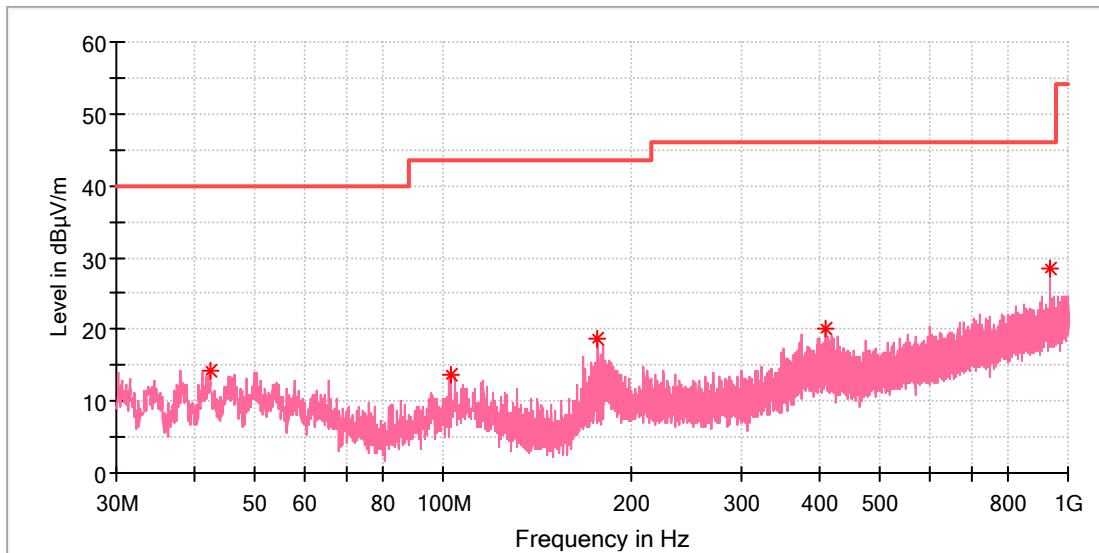


### Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
45.781154	14.86	40.00	25.14	100.0	H	326.0	-18.8
121.627692	26.07	43.50	17.43	100.0	H	34.0	-21.1
171.321539	28.69	43.50	14.81	100.0	H	334.0	-21.3
211.390000	29.00	43.50	14.50	100.0	H	141.0	-18.8
224.111923	28.78	46.00	17.22	100.0	H	0.0	-18.4
401.062308	24.45	46.00	21.55	100.0	H	349.0	-13.7
937.546923	30.96	46.00	15.04	100.0	H	211.0	-4.4

## EUT Information

EUT Name:	Bluetooth Headset
Model:	Sense pro
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168550581/A004001751-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



## Critical Freqs

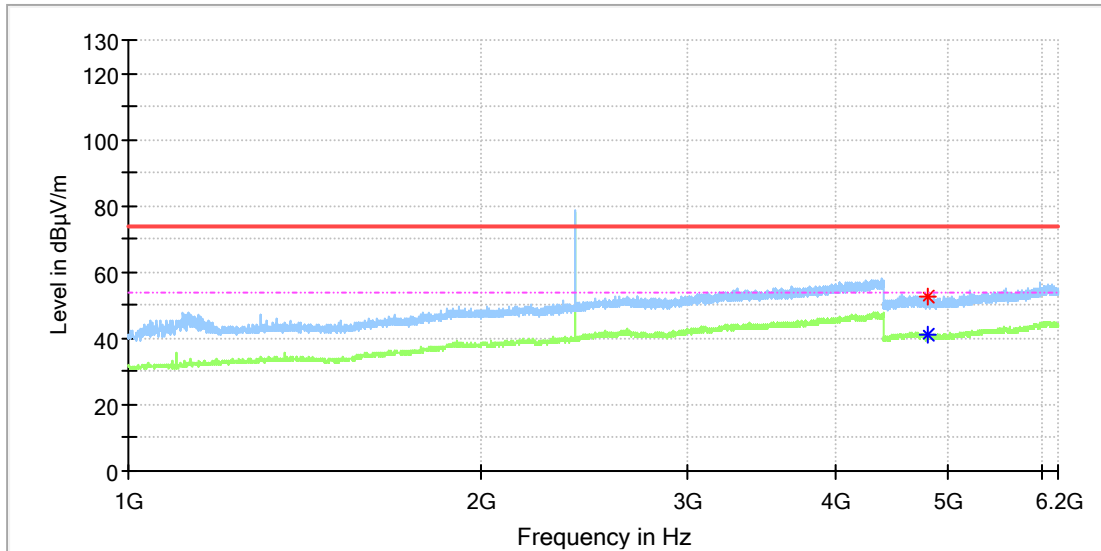
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
42.311539	14.29	40.00	25.71	100.0	V	238.0	-19.6
102.824615	13.70	43.50	29.80	100.0	V	0.0	-19.0
177.029615	18.63	43.50	24.87	100.0	V	74.0	-20.8
409.344615	19.99	46.00	26.01	100.0	V	131.0	-13.5
937.546923	28.54	46.00	17.46	100.0	V	74.0	-4.4

1GHz - 18GHz

Note: The highest waveform in the figure is Bluetooth Fundamental.

### EUT Information

EUT Name:	Bluetooth Headset
Model:	Sense pro
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168550581/A004001751-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

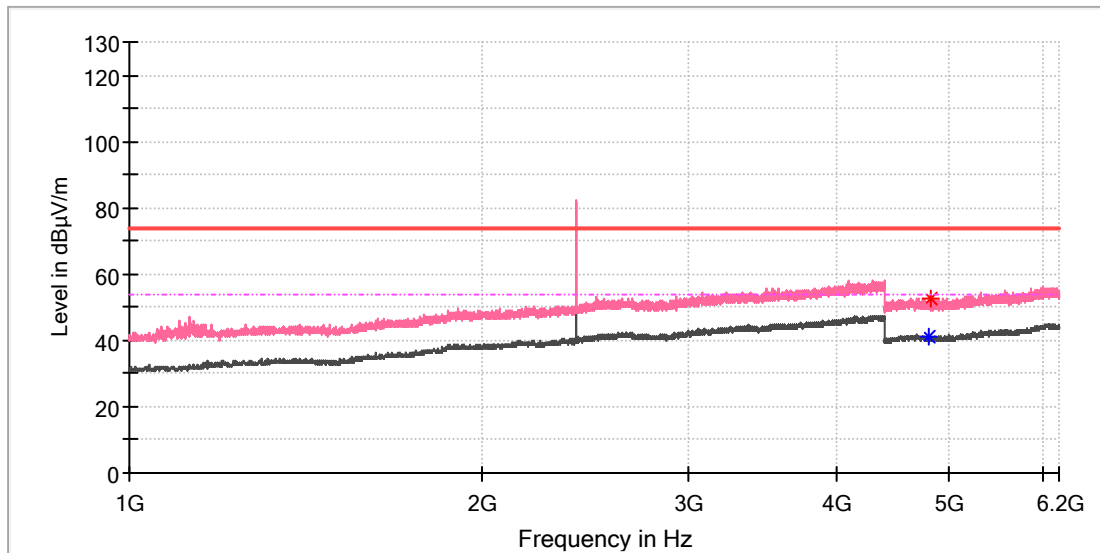


### Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4800.500000	52.88	---	74.00	21.12	150.0	H	291.0	13.3
4809.500000	---	40.95	54.00	13.05	150.0	H	133.0	13.3

## EUT Information

EUT Name:	Bluetooth Headset
Model:	Sense pro
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168550581/A004001751-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

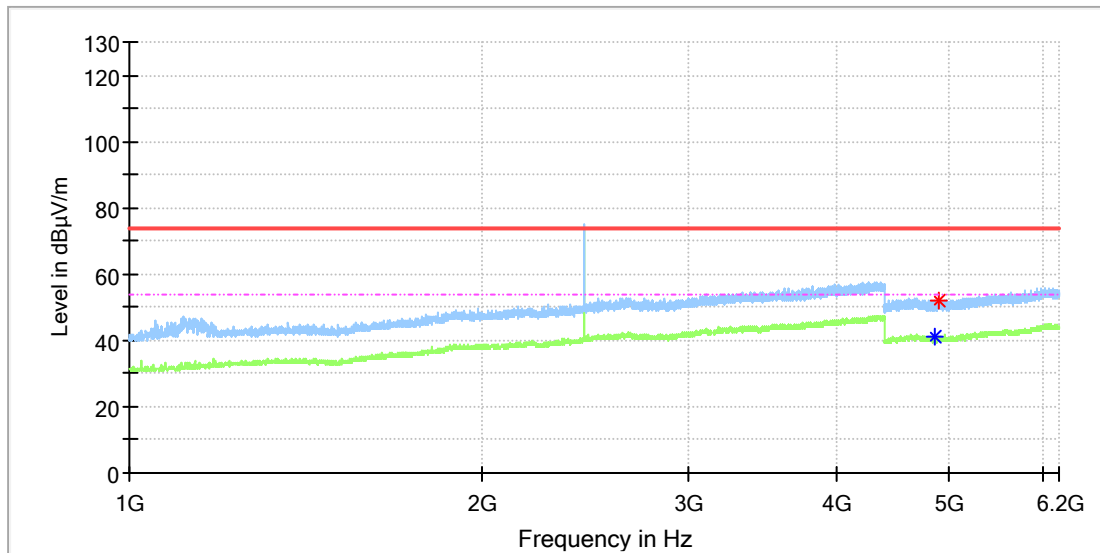


## Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4803.000000	---	41.09	54.00	12.91	150.0	V	59.0	13.3
4820.500000	52.75	---	74.00	21.25	150.0	V	78.0	13.3

## EUT Information

EUT Name:	Bluetooth Headset
Model:	Sense pro
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168550581/A004001751-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

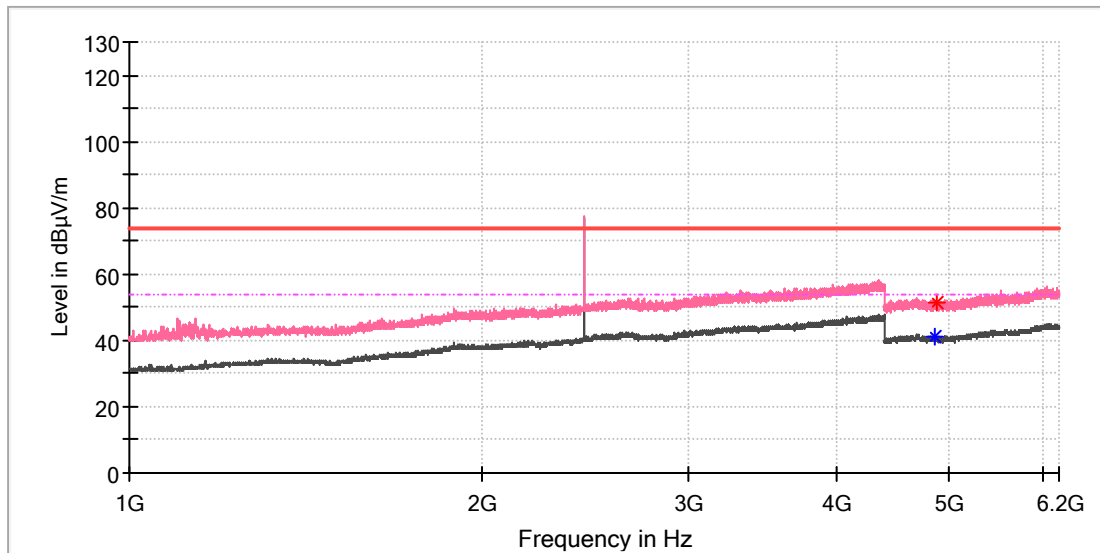


## Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4861.500000	---	40.88	54.00	13.12	150.0	H	297.0	13.3
4892.500000	52.30	---	74.00	21.70	150.0	H	221.0	13.3

## EUT Information

EUT Name:	Bluetooth Headset
Model:	Sense pro
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168550581/A004001751-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

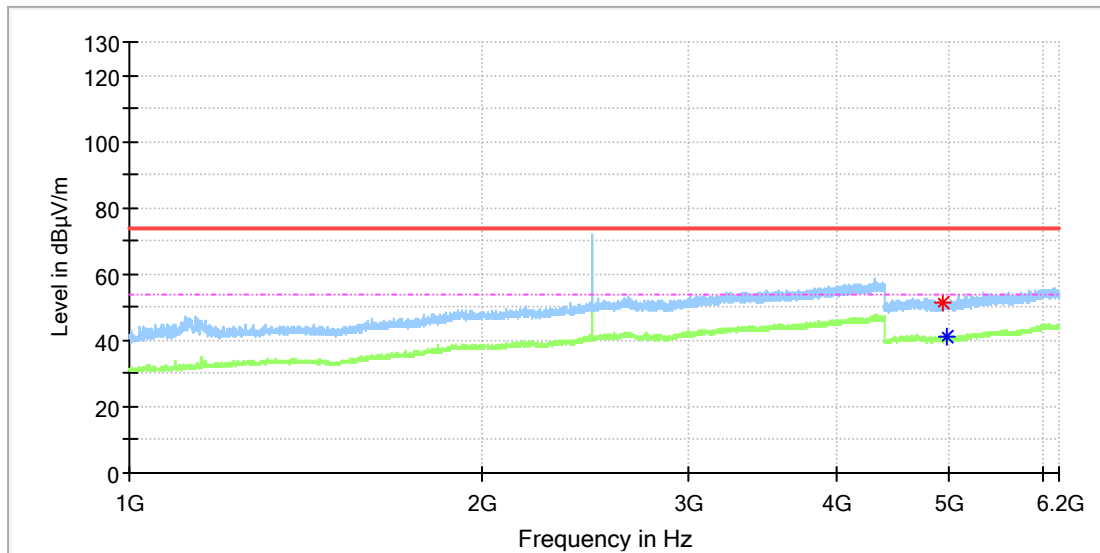


## Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4860.500000	---	41.15	54.00	12.85	150.0	V	125.0	13.3
4875.500000	51.57	---	74.00	22.43	150.0	V	32.0	13.3

## EUT Information

EUT Name:	Bluetooth Headset
Model:	Sense pro
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168550581/A004001751-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

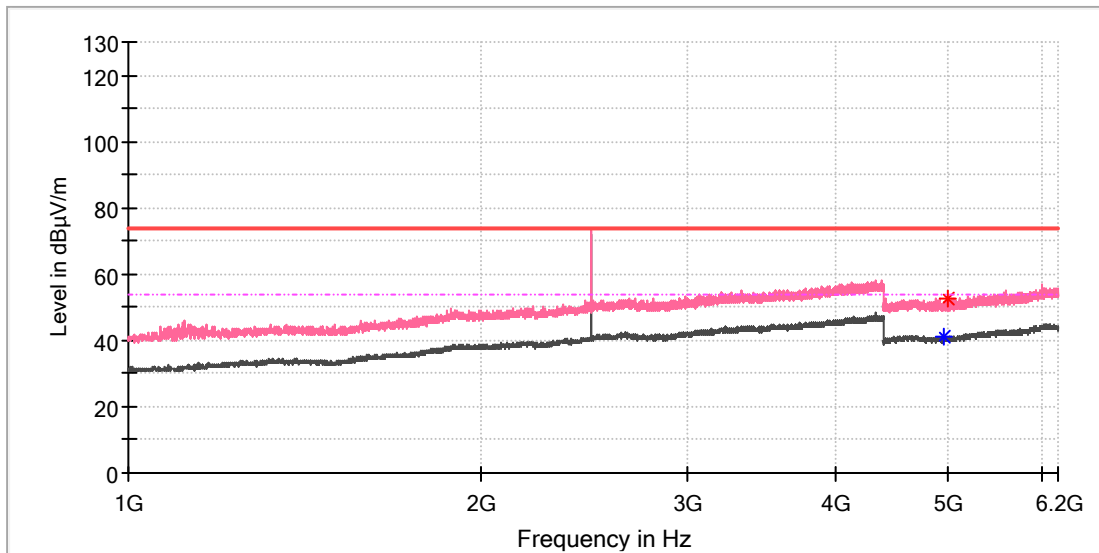


## Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4943.500000	51.69	---	74.00	22.31	150.0	H	28.0	13.3
4970.000000	---	40.90	54.00	13.10	150.0	H	254.0	13.3

## EUT Information

EUT Name:	Bluetooth Headset
Model:	Sense pro
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168550581/A004001751-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

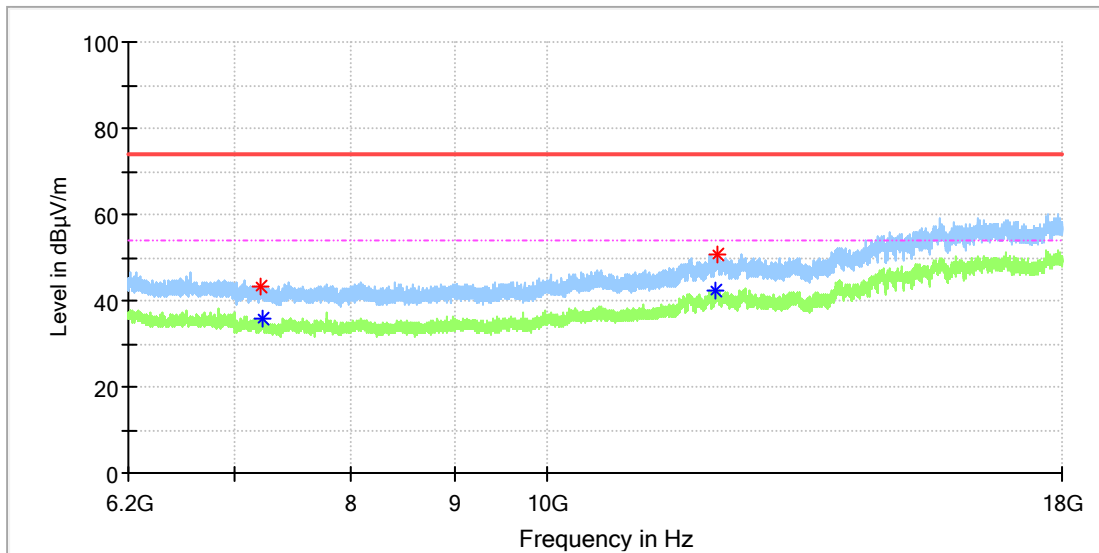


## Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4958.500000	---	40.95	54.00	13.05	150.0	V	38.0	13.3
4987.500000	52.35	---	74.00	21.65	150.0	V	244.0	13.3

## EUT Information

EUT Name:	Bluetooth Headset
Model:	Sense pro
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168550581/A004001751-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

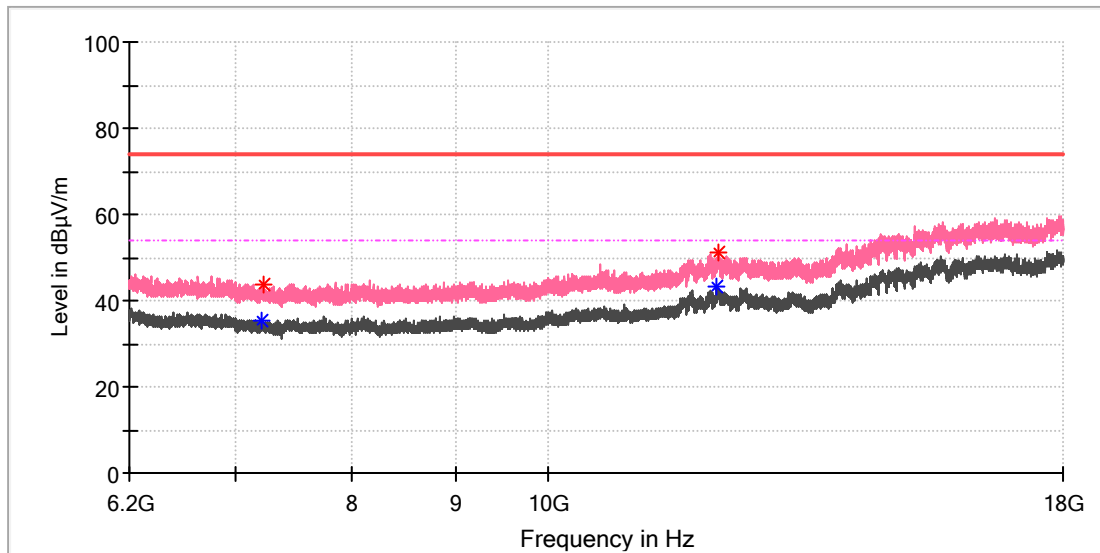


## Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7209.391667	43.39	---	74.00	30.61	150.0	H	183.0	8.8
7220.208333	---	35.70	54.00	18.30	150.0	H	87.0	8.7
12123.108333	---	42.34	54.00	11.66	150.0	H	122.0	16.0
12147.200000	50.69	---	74.00	23.31	150.0	H	1.0	16.7

## EUT Information

EUT Name:	Bluetooth Headset
Model:	Sense pro
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168550581/A004001751-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

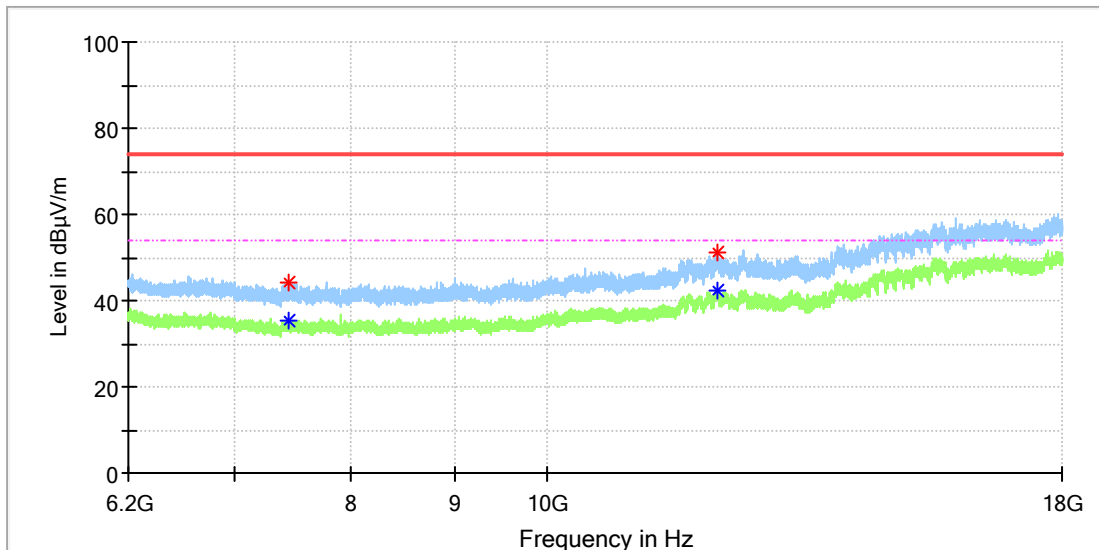


## Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7213.816667	---	35.48	54.00	18.52	150.0	V	291.0	8.7
7226.108333	43.64	---	74.00	30.36	150.0	V	164.0	8.7
12125.075000	---	43.10	54.00	10.90	150.0	V	199.0	16.1
12146.708333	50.93	---	74.00	23.07	150.0	V	346.0	16.6

## EUT Information

EUT Name:	Bluetooth Headset
Model:	Sense pro
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168550581/A004001751-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

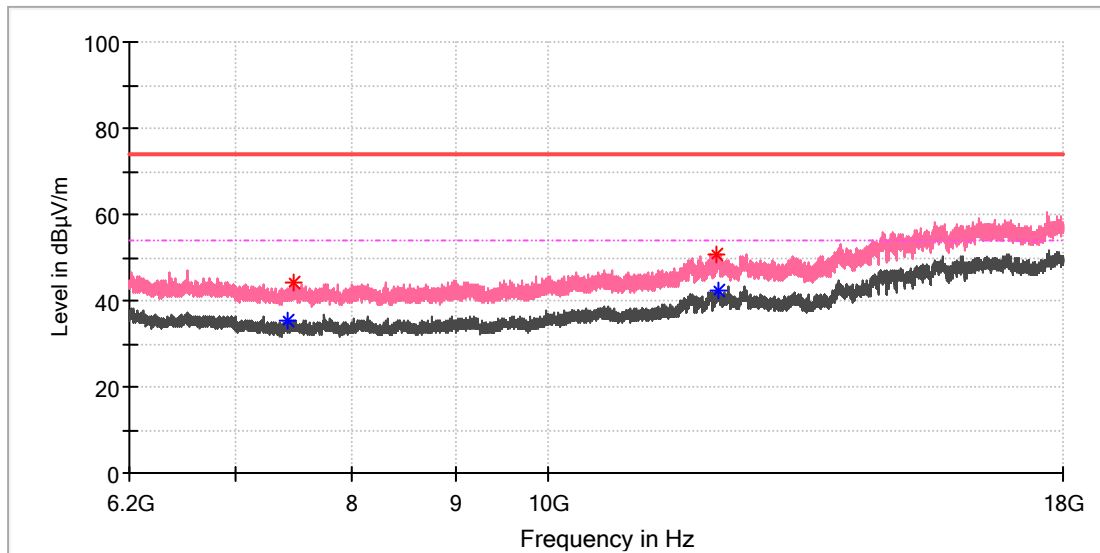


## Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7447.850000	44.03	---	74.00	29.97	150.0	H	109.0	8.5
7450.800000	---	35.43	54.00	18.57	150.0	H	0.0	8.5
12146.216667	---	42.46	54.00	11.54	150.0	H	200.0	16.6
12147.691667	51.17	---	74.00	22.83	150.0	H	77.0	16.7

## EUT Information

EUT Name: Bluetooth Headset  
 Model: Sense pro  
 Test Mode: BLE 1M\_Mid channel  
 Order No/Sample No: 168550581/A004001751-001  
 Test Voltage:: Battery  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin

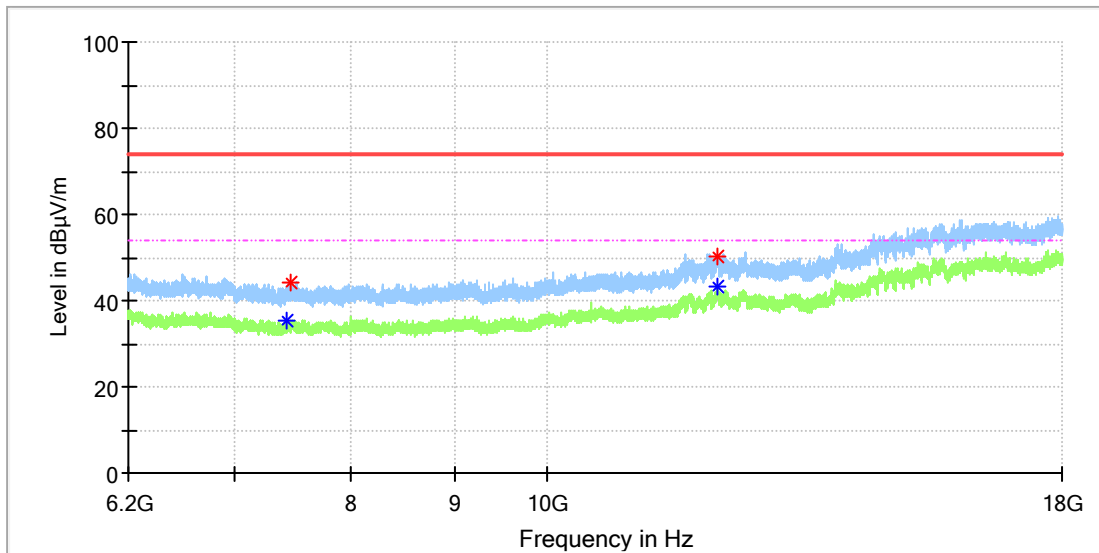


## Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7427.200000	---	35.22	54.00	18.78	150.0	V	244.0	8.4
7486.691667	44.29	---	74.00	29.71	150.0	V	211.0	8.7
12109.833333	50.53	---	74.00	23.47	150.0	V	244.0	15.7
12142.775000	---	42.33	54.00	11.67	150.0	V	333.0	16.5

## EUT Information

EUT Name:	Bluetooth Headset
Model:	Sense pro
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168550581/A004001751-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

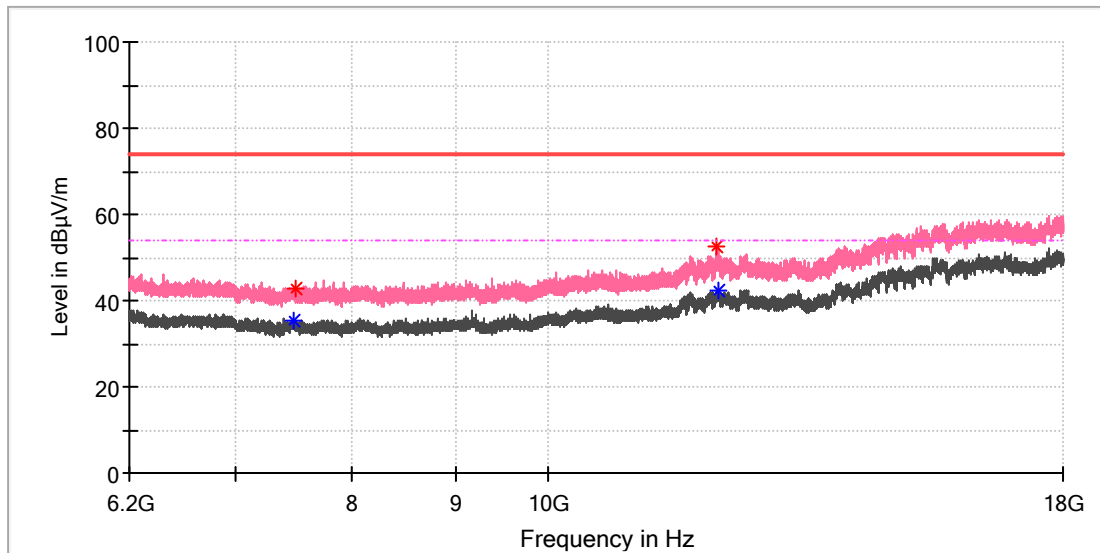


## Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7427.200000	---	35.33	54.00	18.67	150.0	H	117.0	8.4
7456.208333	44.14	---	74.00	29.86	150.0	H	151.0	8.5
12146.708333	---	43.19	54.00	10.81	150.0	H	34.0	16.6
12147.691667	50.40	---	74.00	23.60	150.0	H	117.0	16.7

## EUT Information

EUT Name:	Bluetooth Headset
Model:	Sense pro
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168550581/A004001751-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



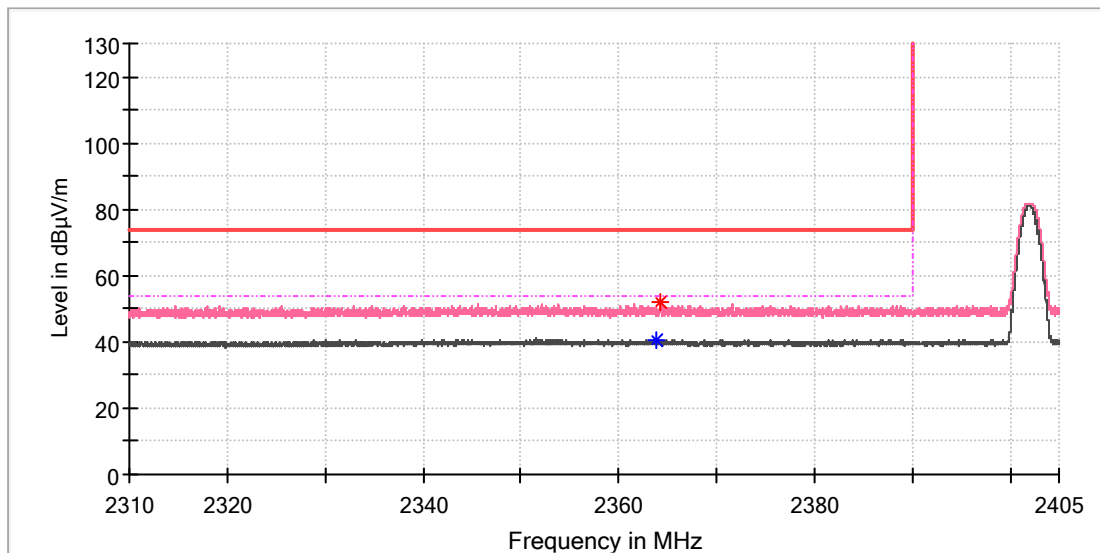
## Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7480.300000	---	35.54	54.00	18.46	150.0	V	176.0	8.7
7488.166667	43.01	---	74.00	30.99	150.0	V	351.0	8.7
12131.466667	52.61	---	74.00	21.39	150.0	V	155.0	16.2
12146.708333	---	42.10	54.00	11.90	150.0	V	59.0	16.6

## Appendix B.7: Test Results of Radiated Emissions in Restricted Bands

### EUT Information

EUT Name:	Bluetooth Headset
Model:	Sense pro
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168550581/A004001751-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

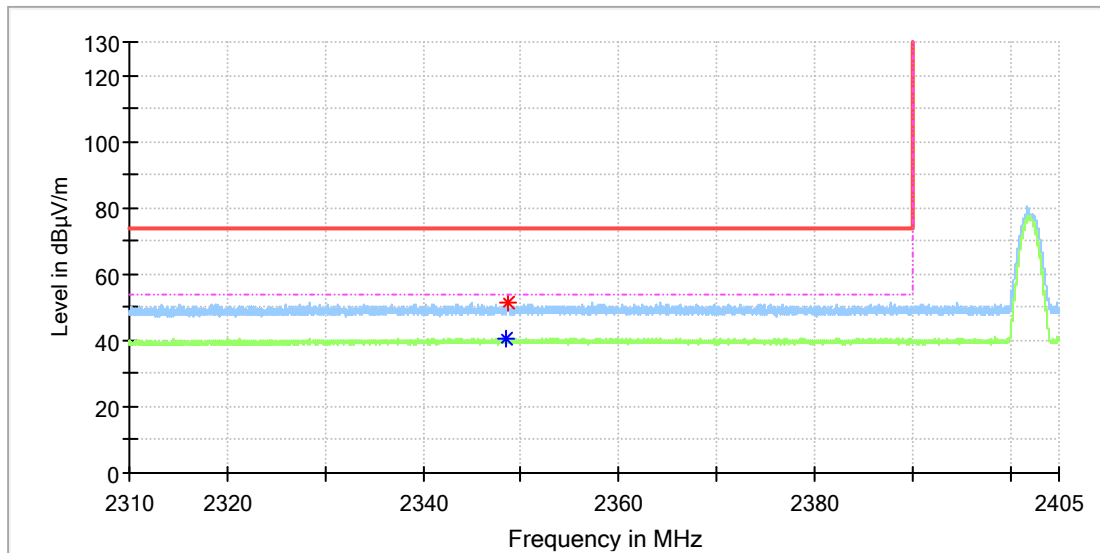


### Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2363.898530	---	40.57	54.00	13.43	150.0	V	307.0	8.5
2364.317647	52.29	---	74.00	21.71	150.0	V	42.0	8.5

## EUT Information

EUT Name:	Bluetooth Headset
Model:	Sense pro
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168550581/A004001751-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

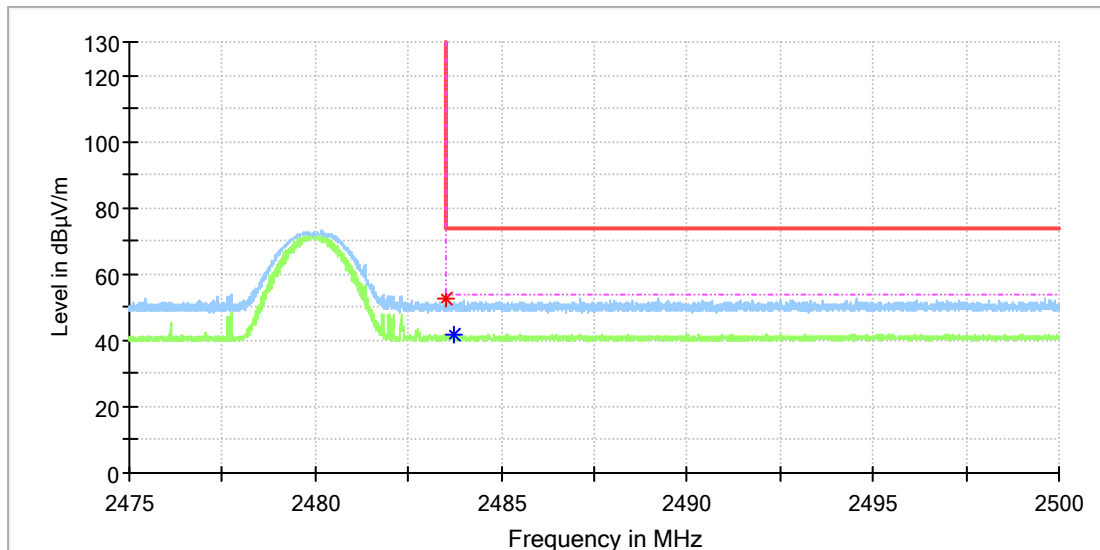


## Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2348.558824	---	40.37	54.00	13.63	150.0	H	141.0	8.5
2348.740441	51.56	---	74.00	22.44	150.0	H	210.0	8.5

## EUT Information

EUT Name:	Bluetooth Headset
Model:	Sense pro
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168550581/A004001751-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

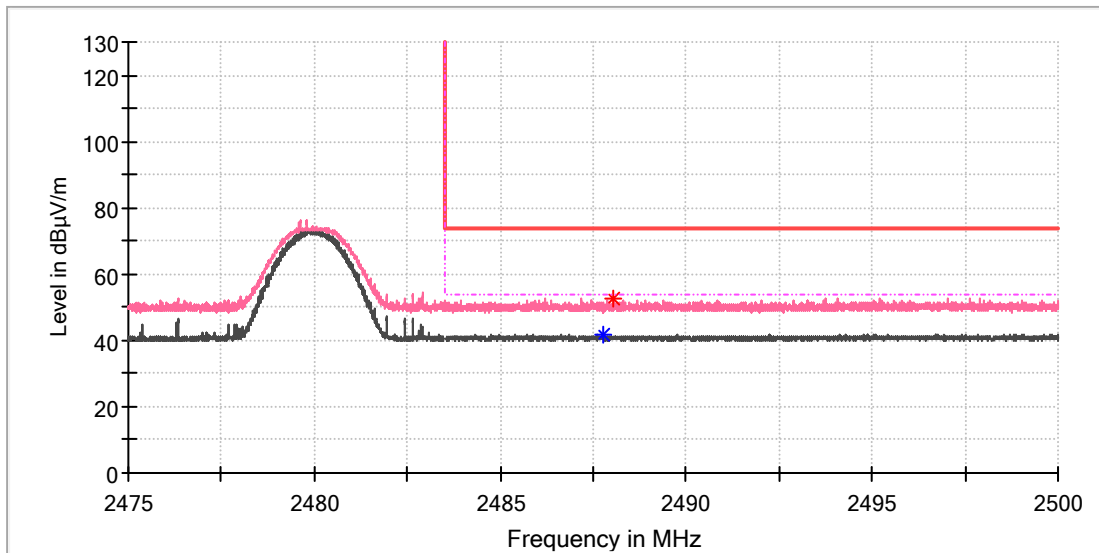


## Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.503677	52.86	---	74.00	21.14	150.0	H	190.0	9.0
2483.746324	---	41.49	54.00	12.51	150.0	H	144.0	9.0

## EUT Information

EUT Name:	Bluetooth Headset
Model:	Sense pro
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168550581/A004001751-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

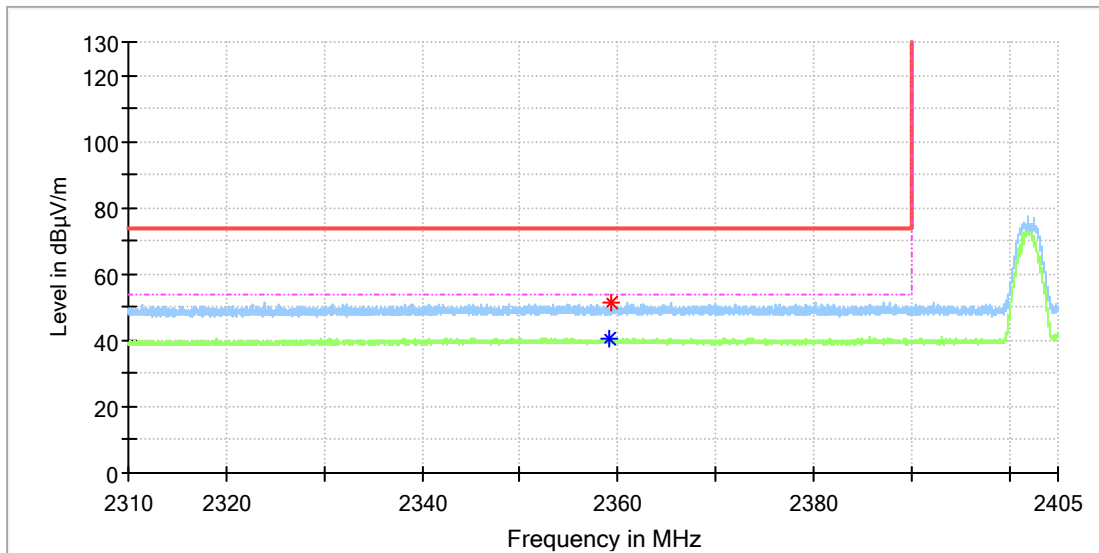


## Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2487.764706	---	41.73	54.00	12.27	150.0	V	56.0	9.0
2488.062500	52.86	---	74.00	21.14	150.0	V	157.0	9.0

## EUT Information

EUT Name:	Bluetooth Headset
Model:	Sense pro
Test Mode:	BLE 2M_Low channel
Order No/Sample No:	168550581/A004001751-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

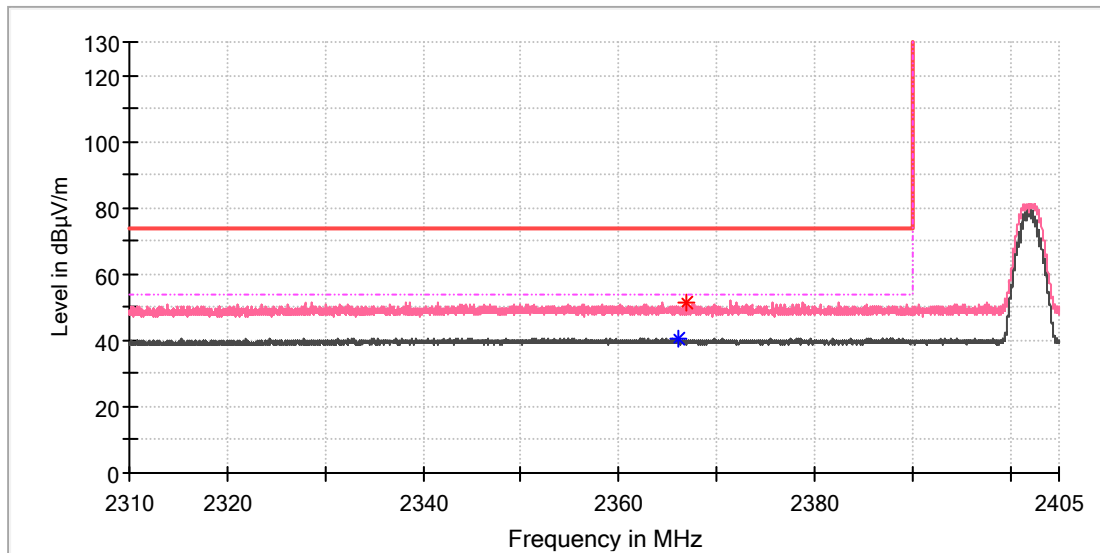


## Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2359.162500	---	40.21	54.00	13.79	150.0	H	12.0	8.5
2359.288235	51.51	---	74.00	22.49	150.0	H	42.0	8.5

## EUT Information

EUT Name:	Bluetooth Headset
Model:	Sense pro
Test Mode:	BLE 2M_Low channel
Order No/Sample No:	168550581/A004001751-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

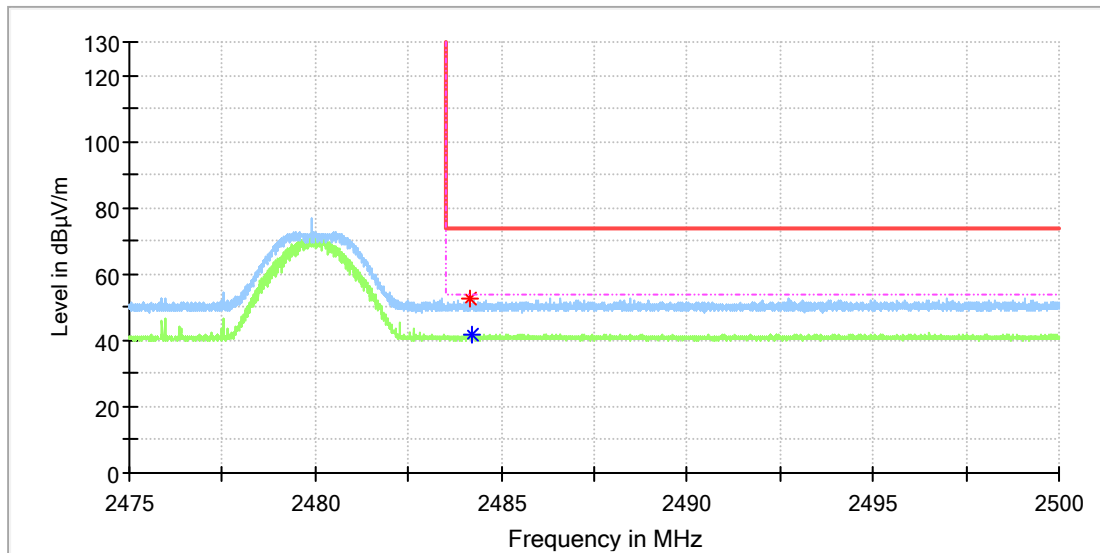


## Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2366.036030	---	40.65	54.00	13.35	150.0	V	120.0	8.5
2367.013971	51.69	---	74.00	22.31	150.0	V	205.0	8.5

## EUT Information

EUT Name:	Bluetooth Headset
Model:	Sense pro
Test Mode:	BLE 2M_High channel
Order No/Sample No:	168550581/A004001751-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

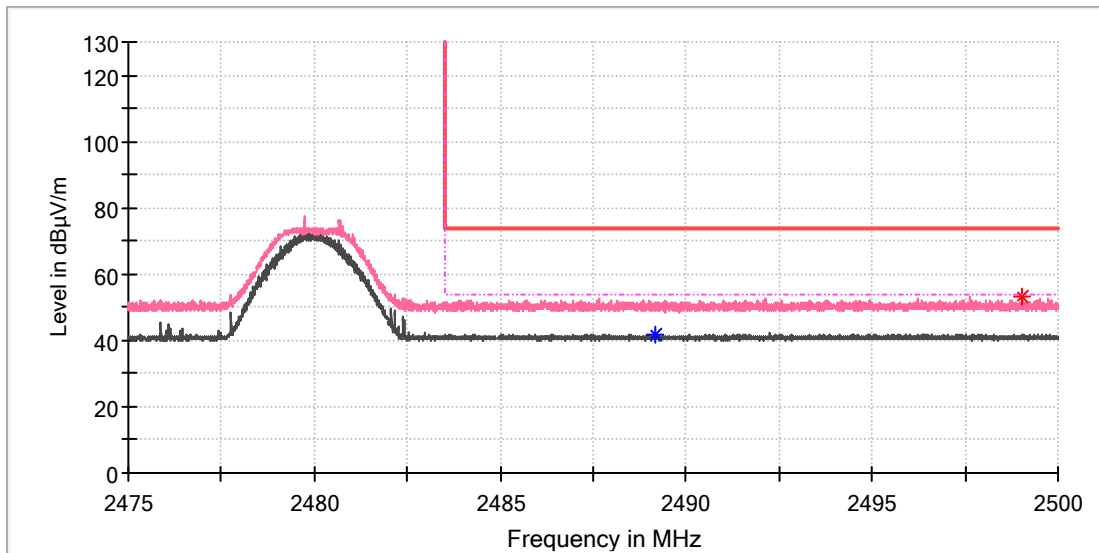


## Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.176471	52.66	---	74.00	21.34	150.0	H	56.0	9.0
2484.205882	---	41.88	54.00	12.12	150.0	H	111.0	9.0

## EUT Information

EUT Name:	Bluetooth Headset
Model:	Sense pro
Test Mode:	BLE 2M_High channel
Order No/Sample No:	168550581/A004001751-001
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
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)
2489.150735	---	41.97	54.00	12.03	150.0	V	303.0	9.0
2499.055147	53.15	---	74.00	20.85	150.0	V	48.0	9.0

**Appendix C: Test Results of Bluetooth Low Energy (Right earbud)**

**APPENDIX C: TEST RESULTS OF BLUETOOTH LOW ENERGY (RIGHT EARBUD) .....1**

**APPENDIX C.1: TEST RESULTS OF CONDUCTED POWER SPECTRAL DENSITY .....2**

**APPENDIX C.2: TEST RESULTS OF 6DB BANDWIDTH .....5**

**APPENDIX C.3: TEST RESULTS OF 99% BANDWIDTH.....8**

**APPENDIX C.4: TEST RESULTS OF FREQUENCY STABILITY.....11**

**APPENDIX C.5: TEST RESULTS OF CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 KHz BANDWIDTH .....13**

*Conducted Spurious Emission*.....13

*Band edge measurements*.....19

**APPENDIX C.6: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS .....22**

    30 MHz - 1GHz.....22

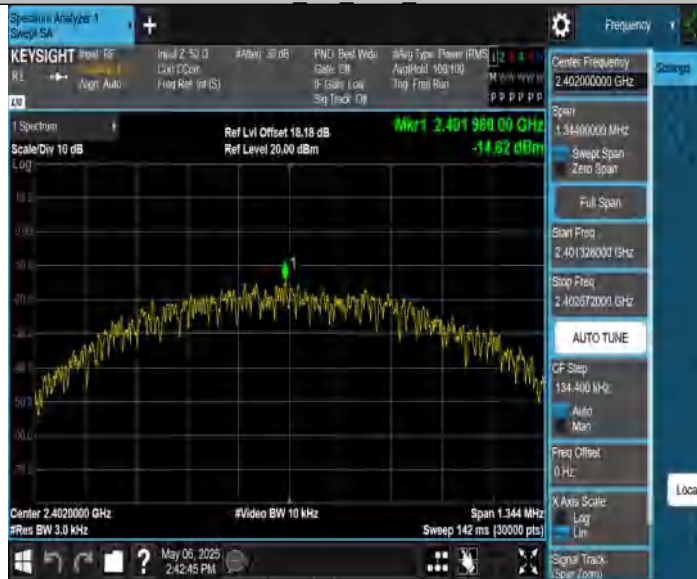
    1GHz - 18GHz .....23

**APPENDIX C.7: TEST RESULTS OF RADIATED EMISSIONS IN RESTRICTED BANDS.....24**

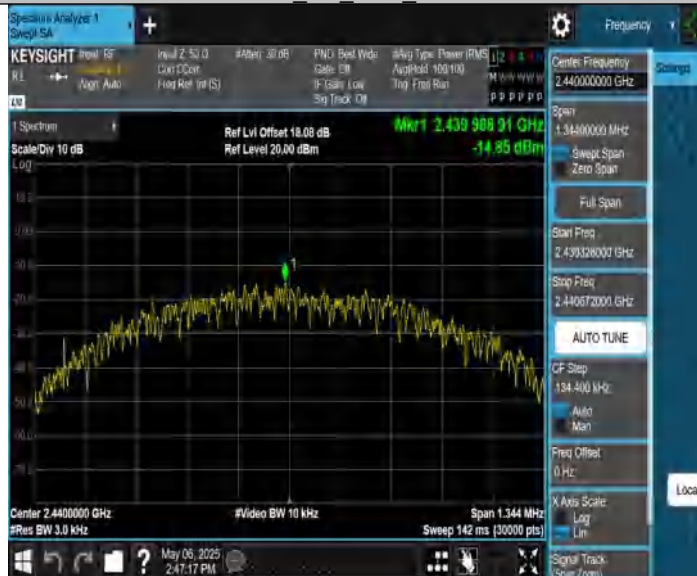
Appendix C.1: Test Results of Conducted Power Spectral Density

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-14.62	≤8.00	PASS
		2440	-14.85	≤8.00	PASS
		2480	-15.90	≤8.00	PASS
BLE_2M	Ant1	2402	-17.98	≤8.00	PASS
		2440	-18.12	≤8.00	PASS
		2480	-19.12	≤8.00	PASS

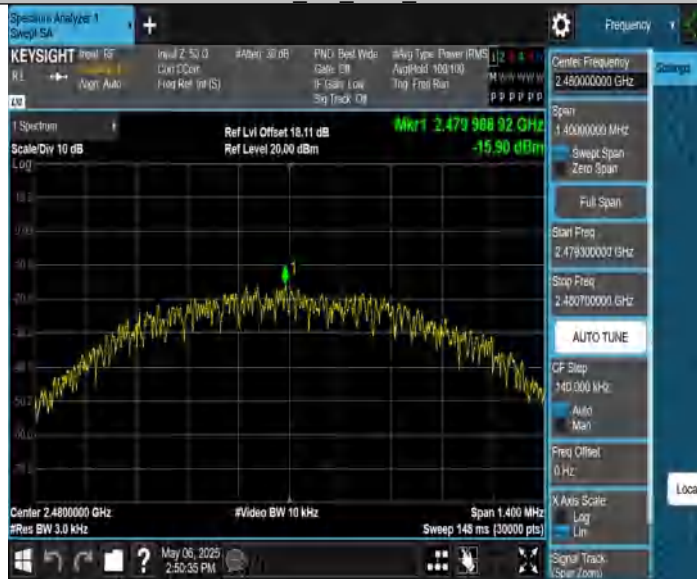
BLE 1M Ant1 2402



BLE 1M Ant1 2440



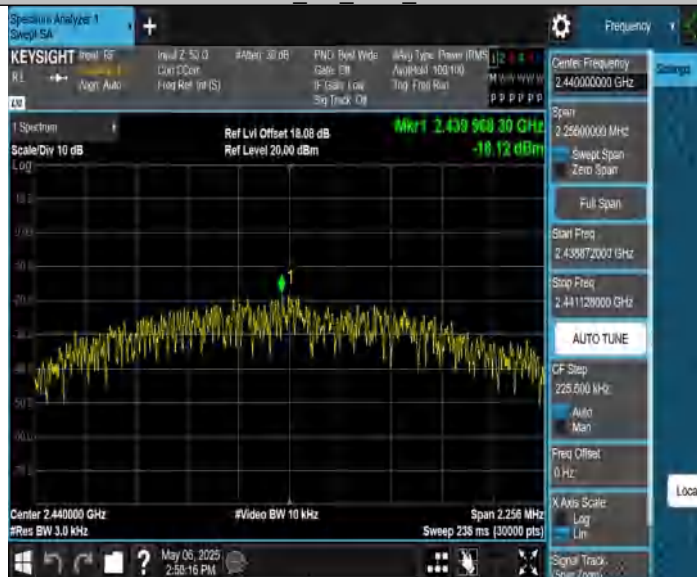
BLE 1M Ant1 2480



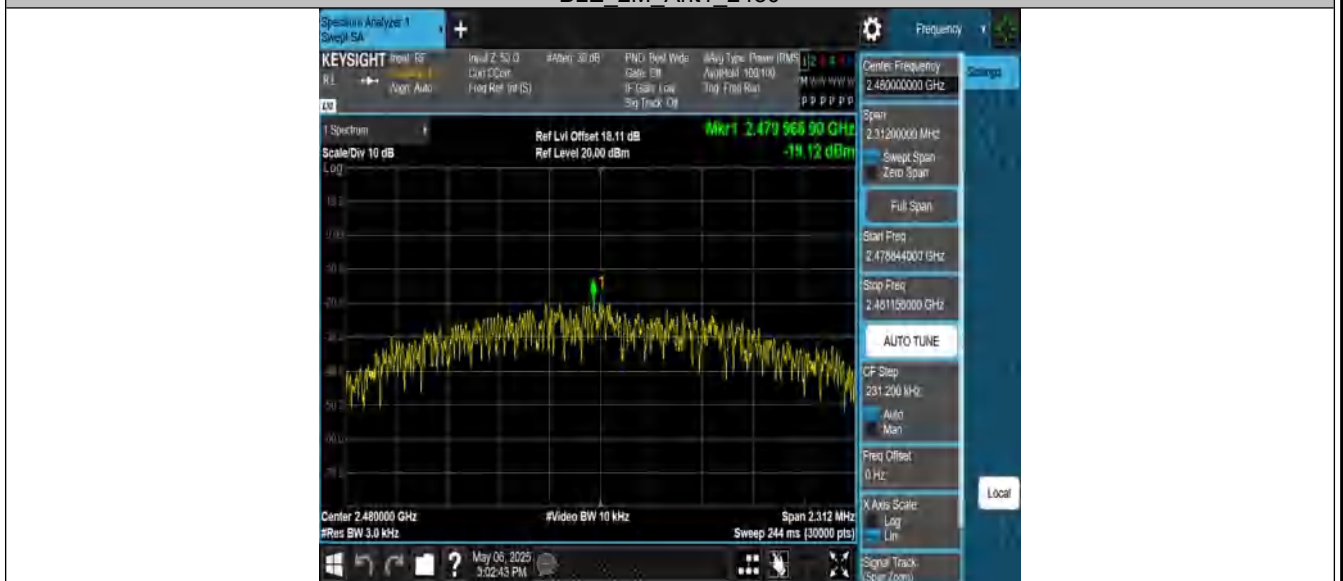
BLE 2M Ant1 2402



BLE 2M Ant1 2440



BLE 2M Ant1 2480



Appendix C.2: Test Results of 6dB Bandwidth

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.672	2401.672	2402.344	0.5	PASS
		2440	0.672	2439.672	2440.344	0.5	PASS
		2480	0.700	2479.664	2480.364	0.5	PASS
BLE_2M	Ant1	2402	1.132	2401.432	2402.564	0.5	PASS
		2440	1.128	2439.460	2440.588	0.5	PASS
		2480	1.156	2479.428	2480.584	0.5	PASS

BLE 1M Ant1 2402



BLE 1M Ant1 2440



BLE 1M Ant1 2480



BLE 2M Ant1 2402



BLE 2M Ant1 2440



BLE 2M Ant1 2480



Appendix C.3: Test Results of 99% Bandwidth

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0343	2401.5051	2402.5394	---	---
		2440	1.0450	2439.4961	2440.5411	---	---
		2480	1.0450	2479.4948	2480.5398	---	---
BLE_2M	Ant1	2402	2.0585	2400.9980	2403.0565	---	---
		2440	2.0587	2439.0032	2441.0619	---	---
		2480	2.0711	2478.9949	2481.0660	---	---

BLE\_1M Ant1 2402



BLE\_1M Ant1 2440



BLE 1M Ant1 2480



BLE 2M Ant1 2402



BLE 2M Ant1 2440



BLE 2M Ant1 2480



**Appendix C.4: Test Results of Frequency stability**

Test Channel (MHz)	2402
--------------------	------

**Test result of frequency tolerance of voltage variation**

Voltage	Test result (MHz)	Deviation Frequency (KHz)	Test result (ppm)	Limit (ppm)
DC 3.87V	2401.990	-10	-4.16	10
DC 3.483V	2401.989	-11	-4.58	
DC 4.257V	2401.991	-9	-3.75	

**Test result of frequency tolerance of temperature variation**

Temperature (°C)	Test result (MHz)	Deviation Frequency (KHz)	Test result (ppm)	Limit (ppm)
-30	2401.989	-11	-4.58	10
-20	2401.988	-12	-5.00	
-10	2401.987	-13	-5.41	
0	2401.989	-11	-4.58	
10	2401.991	-9	-3.75	
20	2401.987	-13	-5.41	
30	2401.986	-14	-5.83	
40	2401.987	-13	-5.41	
50	2401.986	-14	-5.83	
55	2401.985	-15	-6.24	

Test Channel (MHz)	2440
--------------------	------

**Test result of frequency tolerance of voltage variation**

Voltage	Test result (MHz)	Deviation Frequency (KHz)	Test result (ppm)	Limit (ppm)
DC 3.87V	2439.989	-11	-4.51	10
DC 3.483V	2439.988	-12	-4.92	
DC 4.257V	2439.986	-14	-5.74	

**Test result of frequency tolerance of temperature variation**

Temperature (°C)	Test result (MHz)	Deviation Frequency (KHz)	Test result (ppm)	Limit (ppm)
-30	2439.991	-9	-3.69	10
-20	2439.986	-14	-5.74	
-10	2439.985	-15	-6.15	
0	2439.987	-13	-5.33	
10	2439.986	-14	-5.74	
20	2439.986	-14	-5.74	
30	2439.989	-11	-4.51	
40	2439.988	-12	-4.92	
50	2439.990	-10	-4.10	
55	2439.988	-12	-4.92	

Test Channel (MHz)	2480
--------------------	------

**Test result of frequency tolerance of voltage variation**

Voltage	Test result (MHz)	Deviation Frequency (KHz)	Test result (ppm)	Limit (ppm)
DC 3.87V	2479.982	-18	-7.26	10
DC 3.483V	2479.986	-14	-5.65	
DC 4.257V	2479.986	-14	-5.65	

**Test result of frequency tolerance of temperature variation**

Temperature (°C)	Test result (MHz)	Deviation Frequency (KHz)	Test result (ppm)	Limit (ppm)
-30	2479.988	-12	-4.84	10
-20	2479.985	-15	-6.05	
-10	2479.987	-13	-5.24	
0	2479.985	-15	-6.05	
10	2479.984	-16	-6.45	
20	2479.989	-11	-4.44	
30	2479.991	-9	-3.63	
40	2479.990	-10	-4.03	
50	2479.989	-11	-4.44	
55	2479.991	-9	-3.63	

**Appendix C.5: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth**

**Conducted Spurious Emission**

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-0.49	-0.49	---	PASS
			30~1000	-0.49	-42.17	≤-20.49	PASS
			1000~26500	-0.49	-32.98	≤-20.49	PASS
		2440	Reference	-0.36	-0.36	---	PASS
			30~1000	-0.36	-42.33	≤-20.36	PASS
			1000~26500	-0.36	-32.95	≤-20.36	PASS
		2480	Reference	-1.32	-1.32	---	PASS
			30~1000	-1.32	-42.05	≤-21.32	PASS
			1000~26500	-1.32	-32.29	≤-21.32	PASS
BLE_2M	Ant1	2402	Reference	-0.18	-0.18	---	PASS
			30~1000	-0.18	-41.5	≤-20.18	PASS
			1000~26500	-0.18	-32.05	≤-20.18	PASS
		2440	Reference	-0.56	-0.56	---	PASS
			30~1000	-0.56	-41.88	≤-20.56	PASS
			1000~26500	-0.56	-33.48	≤-20.56	PASS
		2480	Reference	-1.24	-1.24	---	PASS
			30~1000	-1.24	-41.85	≤-21.24	PASS
			1000~26500	-1.24	-32.6	≤-21.24	PASS

BLE 1M Ant1 2402 0~Reference



BLE 1M Ant1 2402 30~1000



BLE 1M Ant1 2402 1000~26500



BLE 1M Ant1 2440 0~Reference



BLE 1M Ant1 2440 30~1000



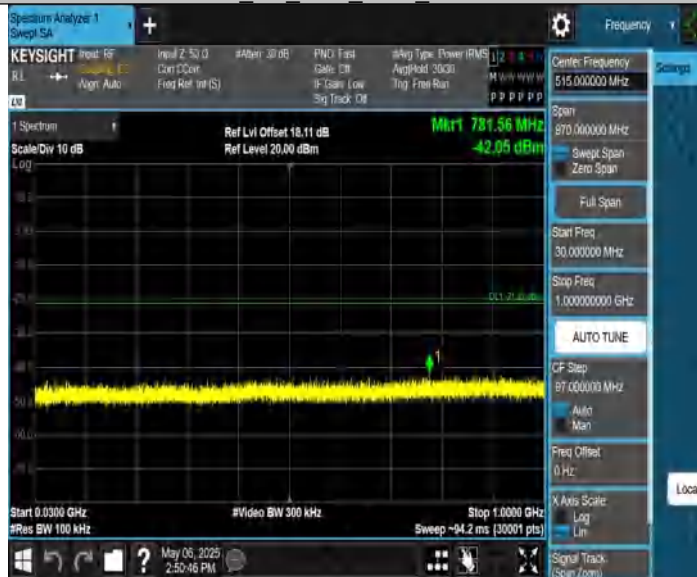
BLE 1M Ant1 2440 1000~26500



BLE 1M Ant1 2480 0~Reference



BLE 1M Ant1 2480 30~1000



BLE 1M Ant1 2480 1000~26500



BLE 2M Ant1 2402\_0~Reference



BLE 2M Ant1 2402 30~1000



BLE 2M Ant1 2402 1000~26500



BLE 2M Ant1 2440 0~Reference



BLE 2M Ant1 2440 30~1000



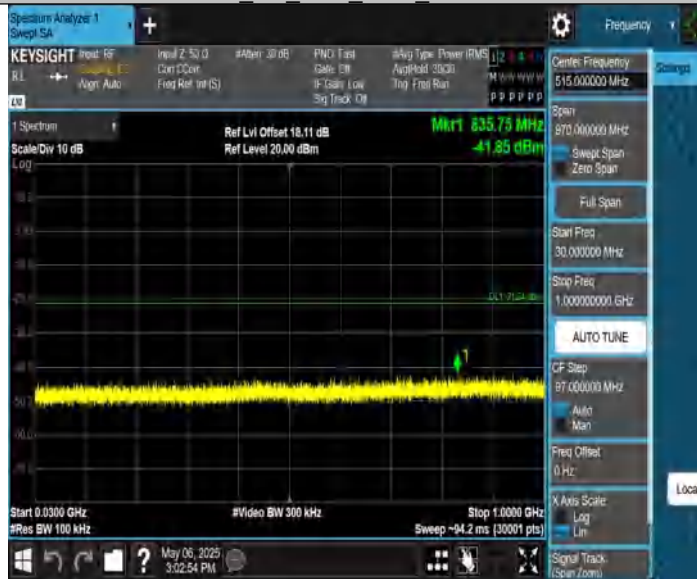
BLE 2M Ant1 2440 1000~26500



BLE 2M Ant1 2480 0~Reference



BLE\_2M\_Ant1\_2480\_30~1000



BLE\_2M\_Ant1\_2480\_1000~26500



Band edge measurements

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-0.30	-44.60	≤-20.30	PASS
		High	2480	-1.08	-44.02	≤-21.08	PASS
BLE_2M	Ant1	Low	2402	-0.05	-46.10	≤-20.05	PASS
		High	2480	-1.28	-44.30	≤-21.28	PASS

BLE 1M Ant1 Low 2402



BLE 1M Ant1 High 2480



BLE 2M Ant1 Low 2402



BLE 2M Ant1 High 2480



### Appendix C.6: Test Results of Radiated Spurious Emissions

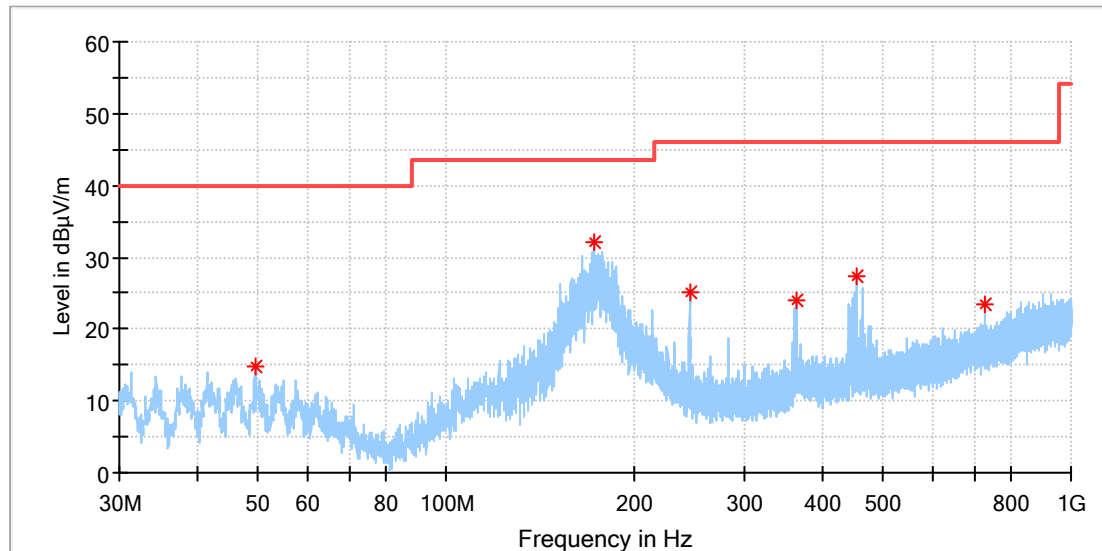
Note:

- 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:	Bluetooth Headset
Model:	Sense pro
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168550581/A003981536-002
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

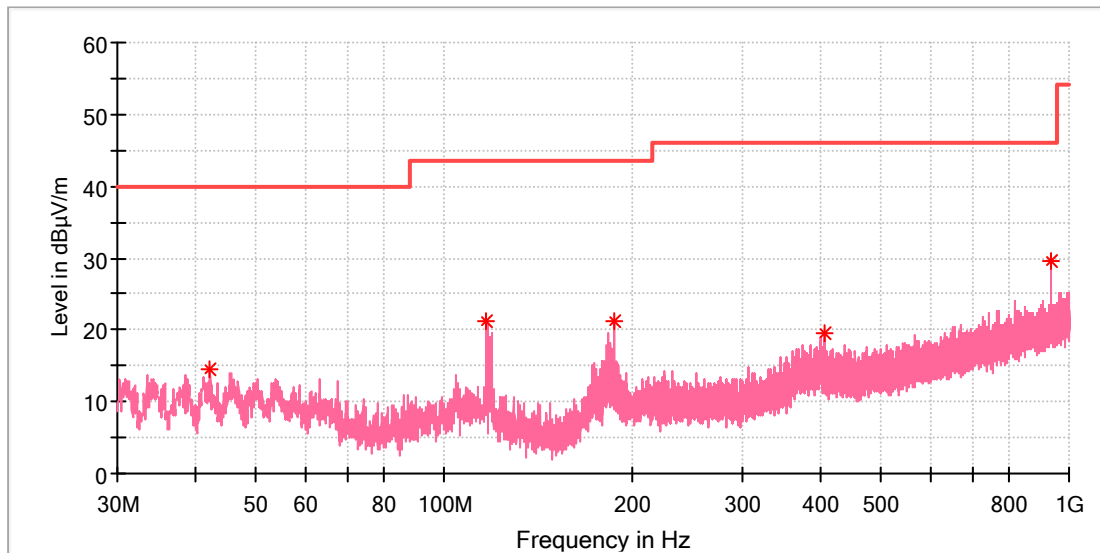


### Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
49.549231	14.89	40.00	25.11	100.0	H	63.0	-18.4
172.776539	32.15	43.50	11.35	100.0	H	137.0	-21.2
245.116154	25.01	46.00	20.99	100.0	H	0.0	-17.5
363.493462	24.06	46.00	21.94	100.0	H	0.0	-14.6
453.703462	27.30	46.00	18.70	100.0	H	146.0	-12.7
730.004231	23.57	46.00	22.43	100.0	H	114.0	-7.4

## EUT Information

EUT Name:	Bluetooth Headset
Model:	Sense pro
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168550581/A003981536-002
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



## Critical Freqs

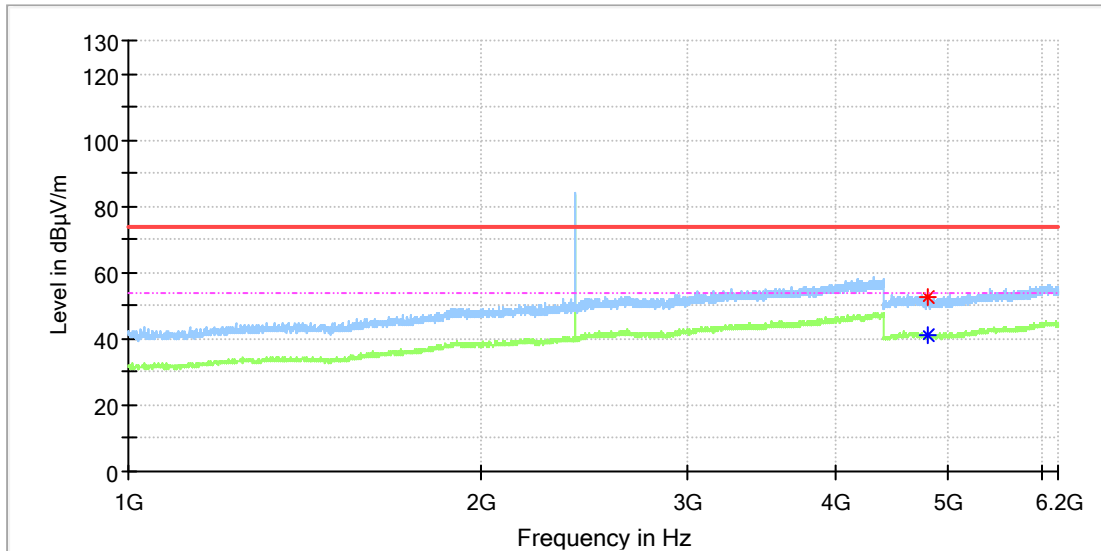
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
42.274231	14.41	40.00	25.59	100.0	V	285.0	-19.6
117.113462	21.11	43.50	22.39	100.0	V	75.0	-20.3
186.766923	21.27	43.50	22.23	100.0	V	234.0	-19.9
406.136154	19.52	46.00	26.48	100.0	V	138.0	-13.6
937.546923	29.49	46.00	16.51	100.0	V	5.0	-4.4

1GHz - 18GHz

Note: The highest waveform in the figure is Bluetooth Fundamental.

### EUT Information

EUT Name:	Bluetooth Headset
Model:	Sense pro
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168550581/A003981536-002
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

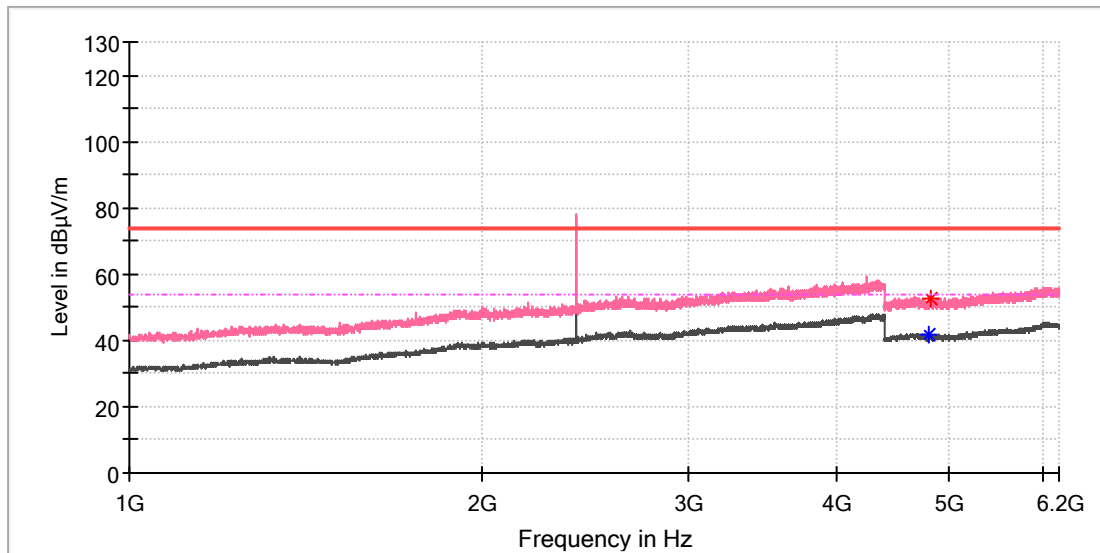


### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4808.000000	52.64	---	74.00	21.36	150.0	H	323.0	13.3
4809.000000	---	41.28	54.00	12.72	150.0	H	297.0	13.3

## EUT Information

EUT Name:	Bluetooth Headset
Model:	Sense pro
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168550581/A003981536-002
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

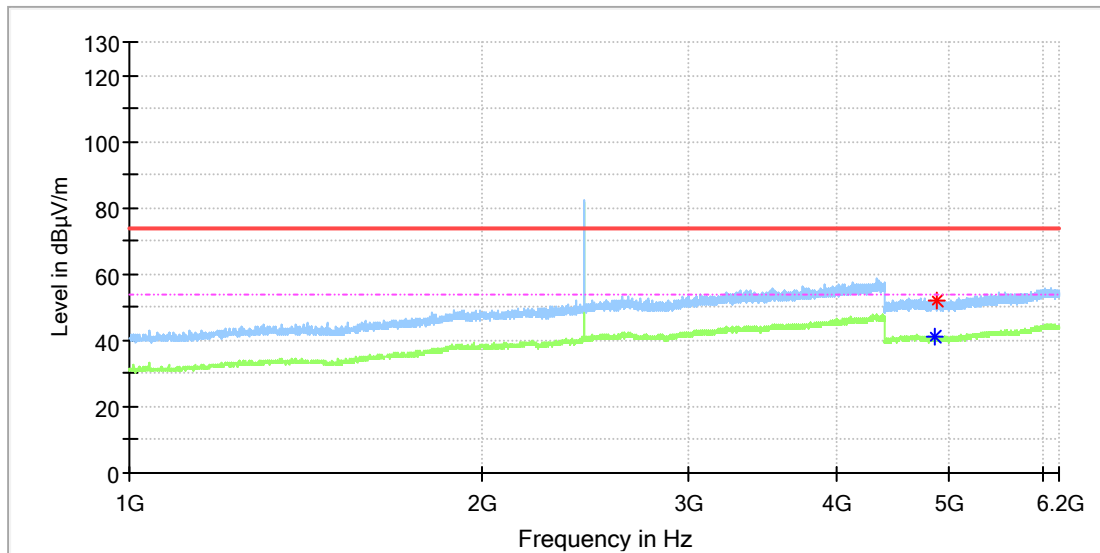


## Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4807.500000	---	41.92	54.00	12.08	150.0	V	353.0	13.3
4830.000000	52.75	---	74.00	21.25	150.0	V	221.0	13.3

## EUT Information

EUT Name:	Bluetooth Headset
Model:	Sense pro
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168550581/A003981536-002
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

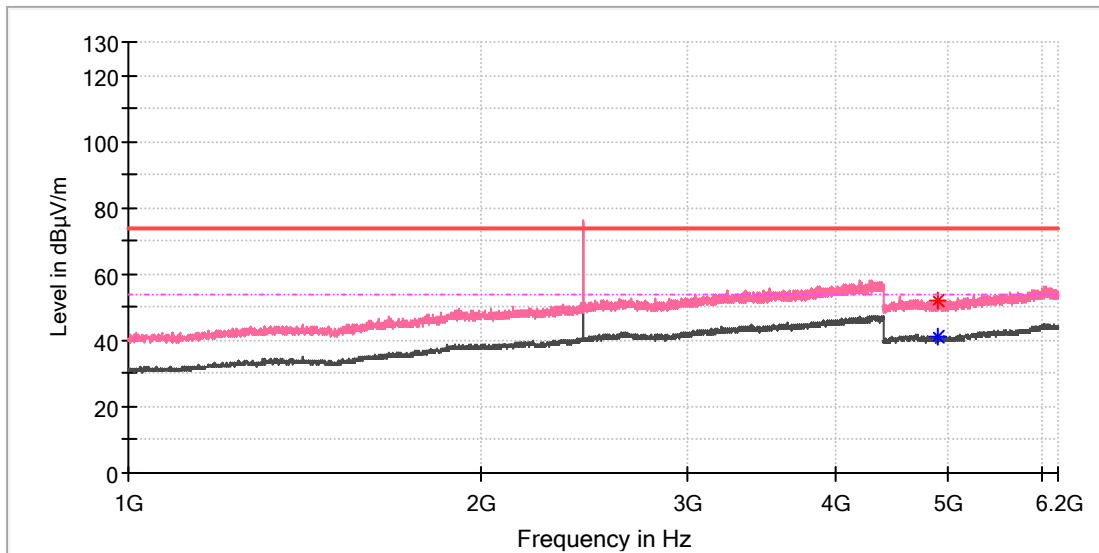


## Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4863.000000	---	40.84	54.00	13.16	150.0	H	56.0	13.3
4871.500000	52.05	---	74.00	21.95	150.0	H	153.0	13.3

## EUT Information

EUT Name:	Bluetooth Headset
Model:	Sense pro
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168550581/A003981536-002
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

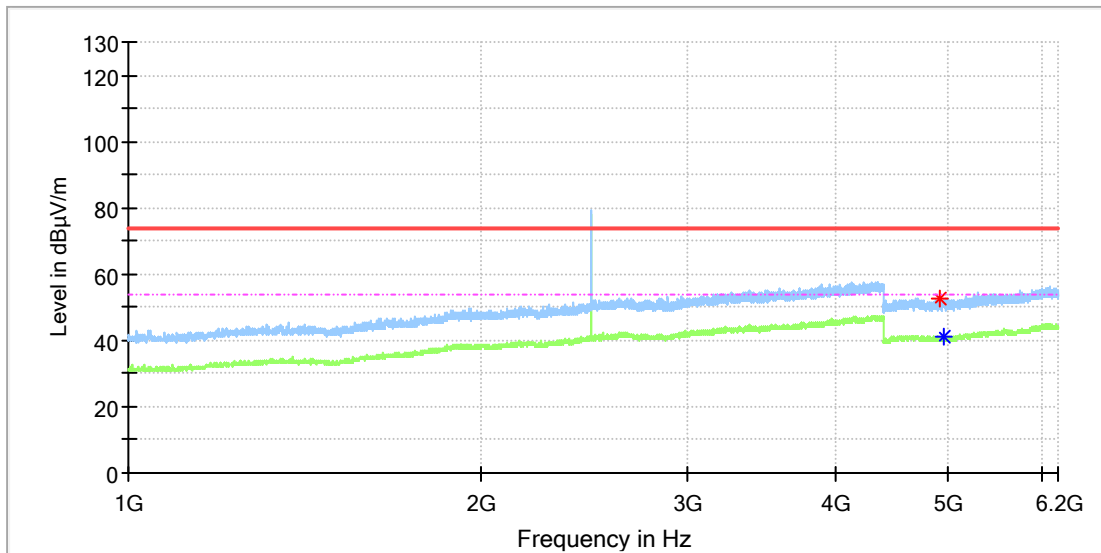


## Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4901.500000	51.81	---	74.00	22.19	150.0	V	58.0	13.3
4902.500000	---	41.41	54.00	12.59	150.0	V	195.0	13.3

### EUT Information

EUT Name: Bluetooth Headset  
 Model: Sense pro  
 Test Mode: BLE 1M\_High channel  
 Order No/Sample No: 168550581/A003981536-002  
 Test Voltage:: Battery  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin

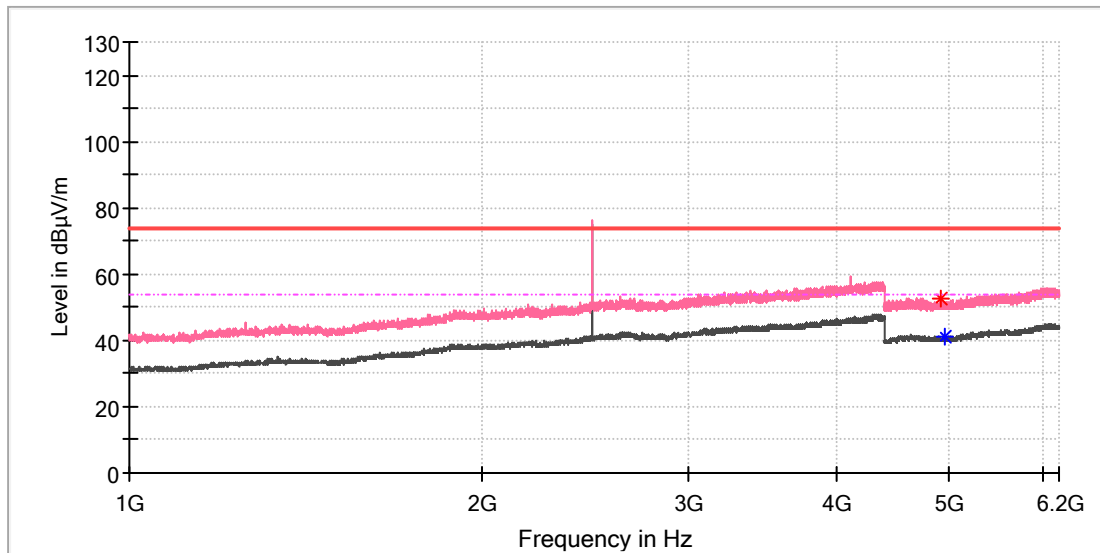


### Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4921.000000	52.68	---	74.00	21.32	150.0	H	310.0	13.3
4951.000000	---	41.29	54.00	12.71	150.0	H	204.0	13.3

## EUT Information

EUT Name:	Bluetooth Headset
Model:	Sense pro
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168550581/A003981536-002
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

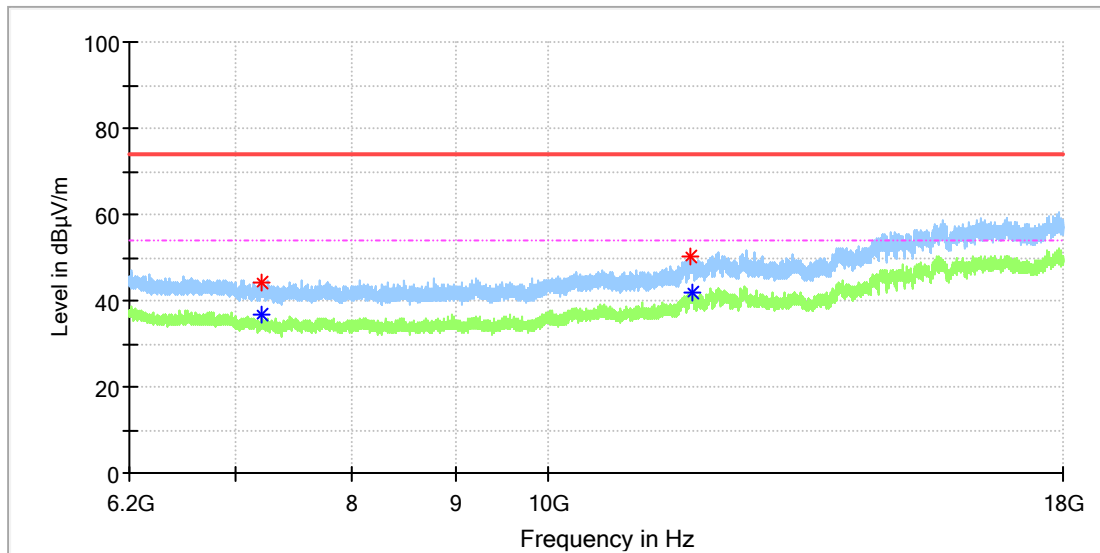


## Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4916.000000	52.36	---	74.00	21.64	150.0	V	359.0	13.3
4957.500000	---	41.01	54.00	12.99	150.0	V	147.0	13.3

## EUT Information

EUT Name:	Bluetooth Headset
Model:	Sense pro
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168550581/A003981536-002
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

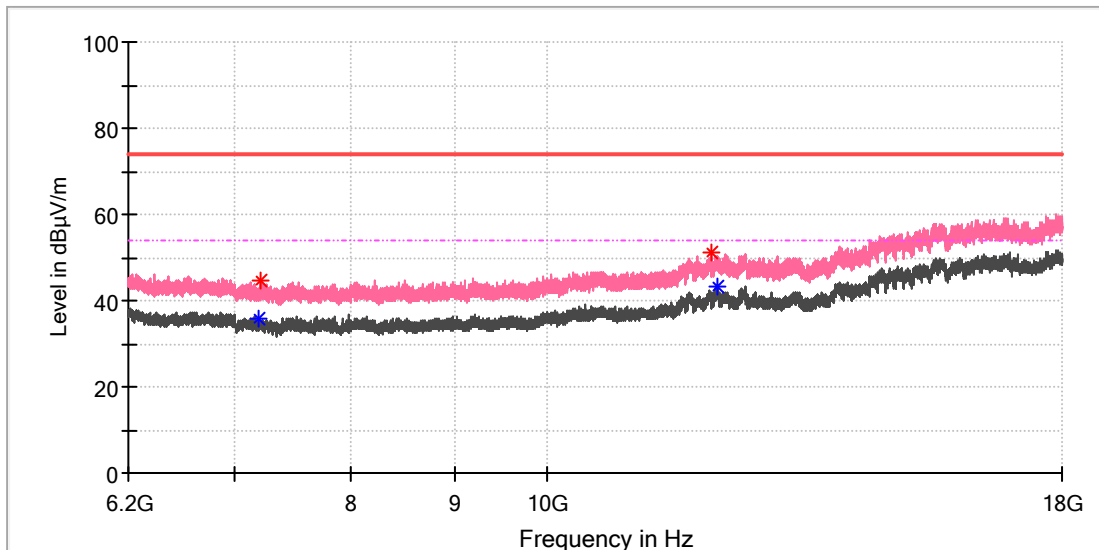


## Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7211.850000	44.08	---	74.00	29.92	150.0	H	194.0	8.7
7213.816667	---	36.56	54.00	17.44	150.0	H	238.0	8.7
11750.916667	50.36	---	74.00	23.64	150.0	H	0.0	15.5
11781.891667	---	42.05	54.00	11.95	150.0	H	328.0	15.1

## EUT Information

EUT Name:	Bluetooth Headset
Model:	Sense pro
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168550581/A003981536-002
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

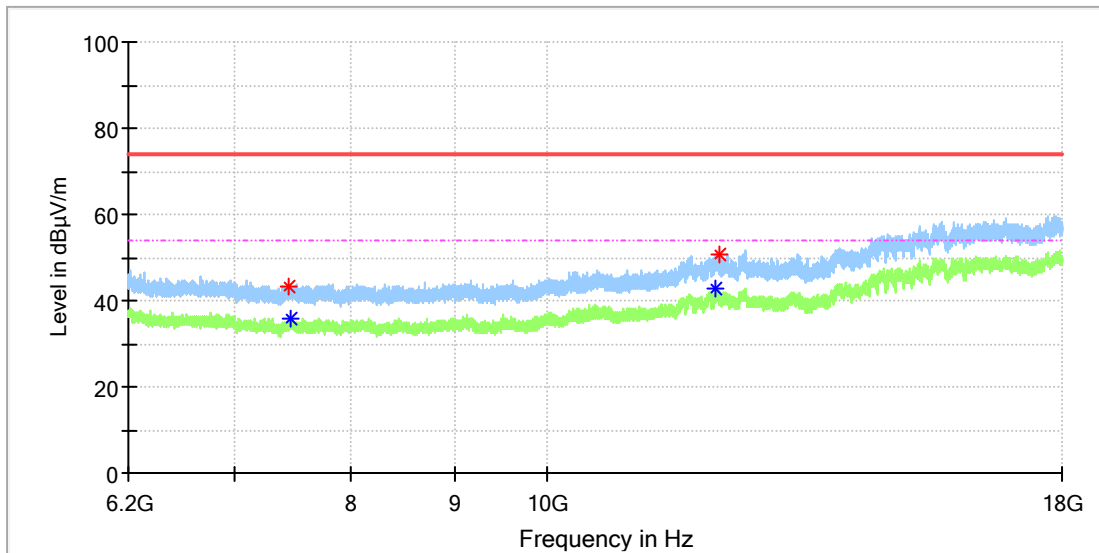


## Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7193.658333	---	35.67	54.00	18.33	150.0	V	72.0	8.8
7215.291667	44.51	---	74.00	29.49	150.0	V	150.0	8.7
12051.325000	51.05	---	74.00	22.95	150.0	V	0.0	16.3
12135.400000	---	43.16	54.00	10.84	150.0	V	174.0	16.3

## EUT Information

EUT Name:	Bluetooth Headset
Model:	Sense pro
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168550581/A003981536-002
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

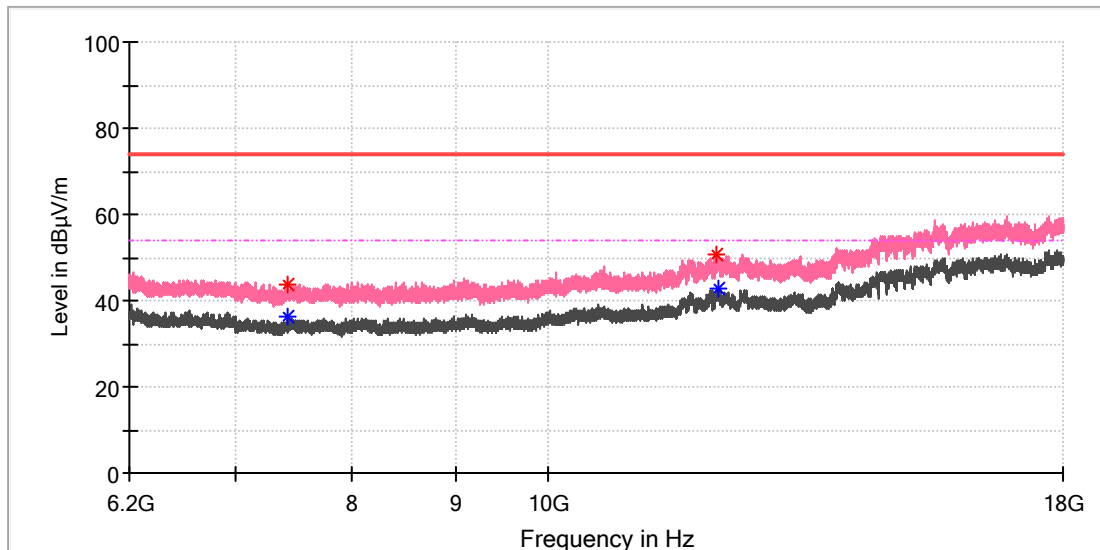


## Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7444.900000	43.26	---	74.00	30.74	150.0	H	86.0	8.5
7469.483333	---	35.74	54.00	18.26	150.0	H	314.0	8.6
12130.975000	---	42.74	54.00	11.26	150.0	H	268.0	16.2
12161.458333	50.84	---	74.00	23.16	150.0	H	123.0	16.1

## EUT Information

EUT Name: Bluetooth Headset  
 Model: Sense pro  
 Test Mode: BLE 1M\_Mid channel  
 Order No/Sample No: 168550581/A003981536-002  
 Test Voltage:: Battery  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin

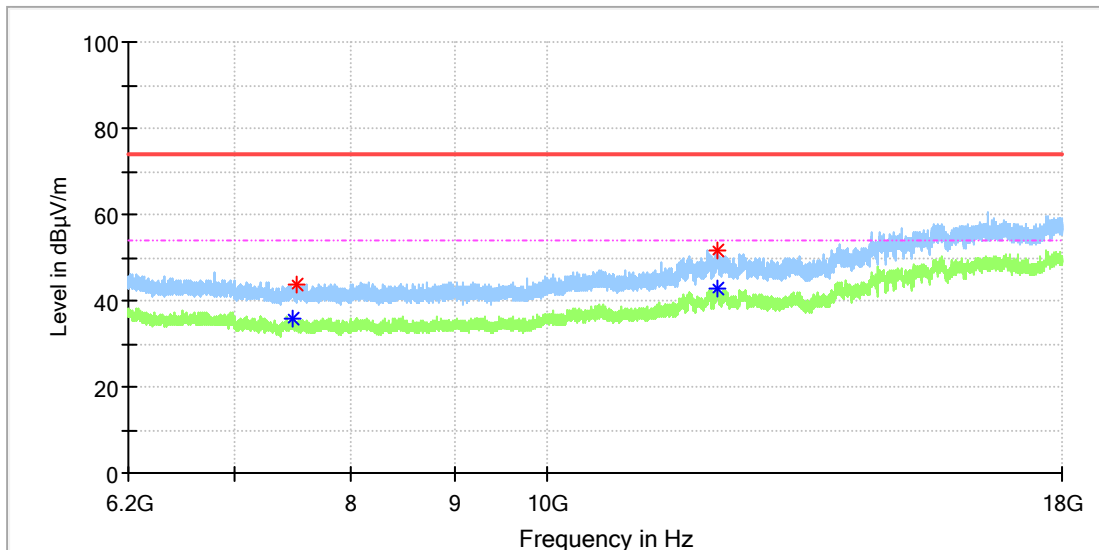


## Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7421.300000	43.77	---	74.00	30.23	150.0	V	0.0	8.4
7435.558333	---	36.38	54.00	17.62	150.0	V	36.0	8.4
12129.008333	50.61	---	74.00	23.39	150.0	V	114.0	16.2
12141.300000	---	42.72	54.00	11.28	150.0	V	68.0	16.5

## EUT Information

EUT Name:	Bluetooth Headset
Model:	Sense pro
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168550581/A003981536-002
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

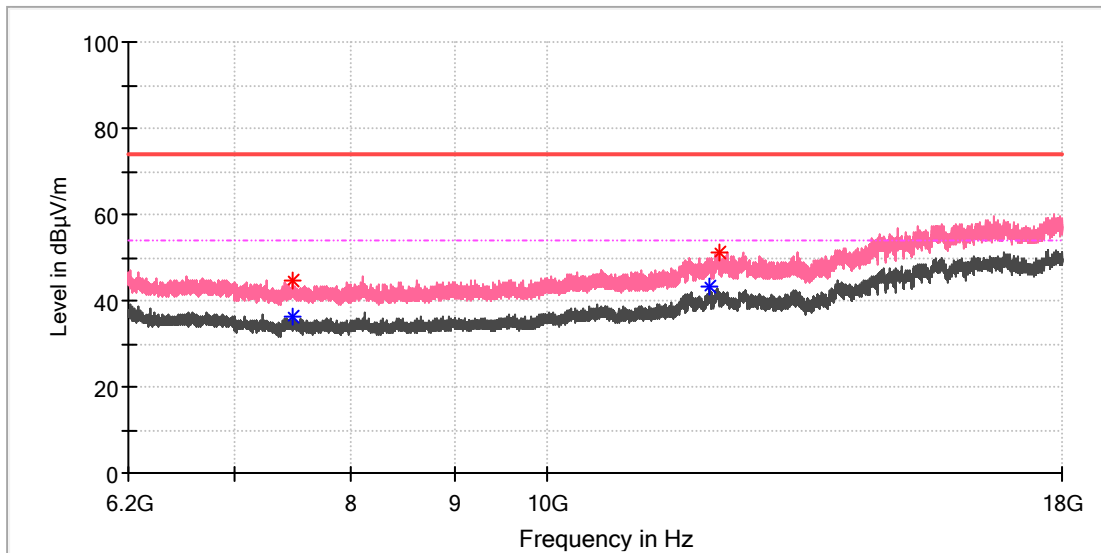


## Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7475.383333	---	35.99	54.00	18.01	150.0	H	121.0	8.6
7511.275000	43.81	---	74.00	30.19	150.0	H	110.0	8.7
12141.791667	51.79	---	74.00	22.22	150.0	H	144.0	16.5
12151.625000	---	42.70	54.00	11.30	150.0	H	33.0	16.6

### EUT Information

EUT Name: Bluetooth Headset  
 Model: Sense pro  
 Test Mode: BLE 1M\_High channel  
 Order No/Sample No: 168550581/A003981536-002  
 Test Voltage:: Battery  
 Remark: Temp 23 Humi:56%  
 Test Standard: FCC 15.247  
 Tested By: Kei Zhang  
 Reviewed By: Terry Yin



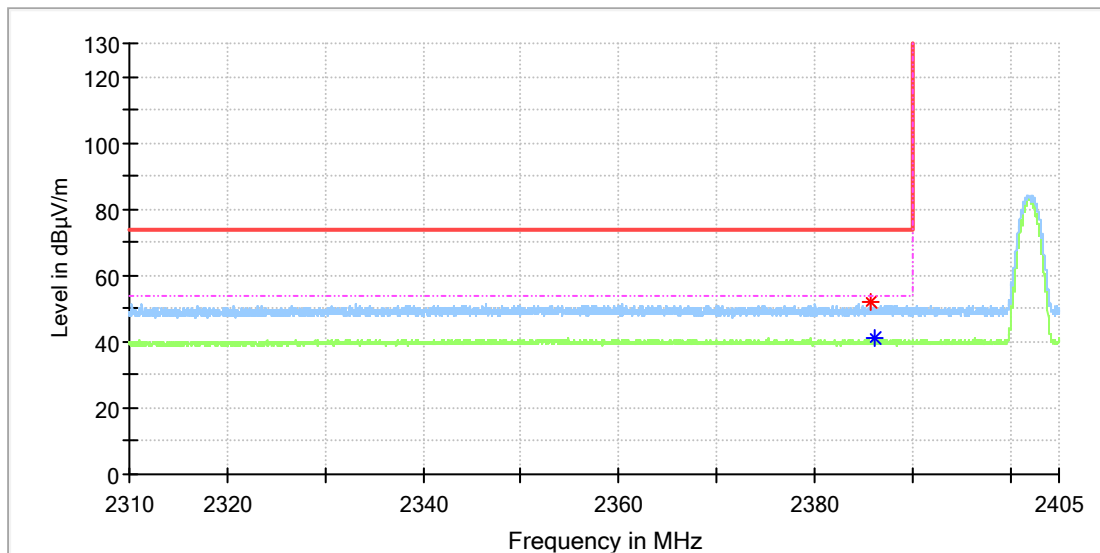
### Critical\_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7473.908333	---	36.20	54.00	17.80	150.0	V	216.0	8.6
7484.233333	44.81	---	74.00	29.19	150.0	V	8.0	8.7
12042.475000	---	43.19	54.00	10.81	150.0	V	0.0	16.2
12172.766667	51.17	---	74.00	22.83	150.0	V	327.0	15.6

### Appendix C.7: Test Results of Radiated Emissions in Restricted Bands

#### EUT Information

EUT Name:	Bluetooth Headset
Model:	Sense pro
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168550581/A003981536-002
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

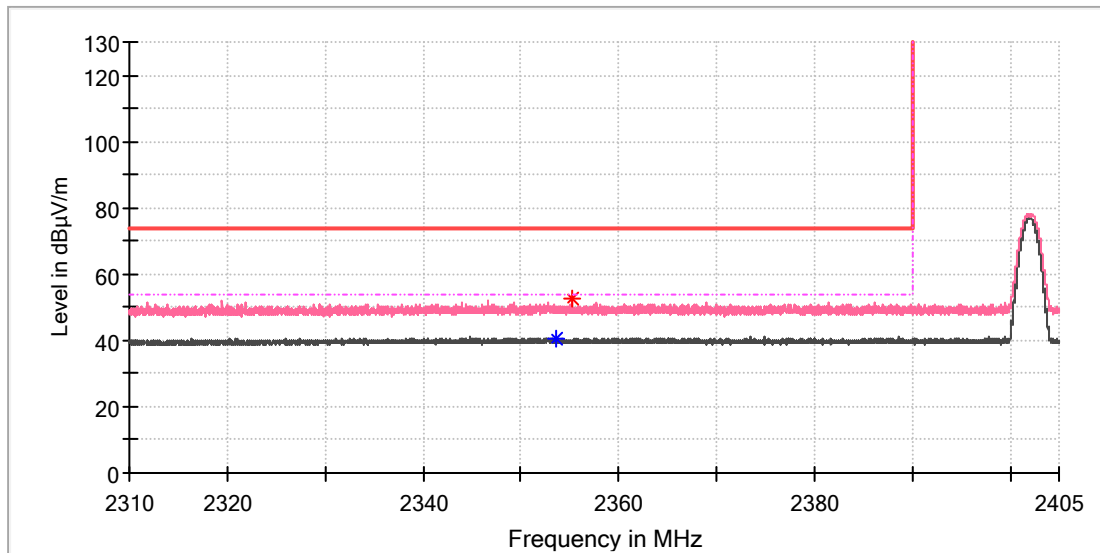


#### Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2385.762500	51.70	---	74.00	22.30	150.0	H	185.0	8.5
2386.223529	---	41.16	54.00	12.84	150.0	H	286.0	8.5

## EUT Information

EUT Name:	Bluetooth Headset
Model:	Sense pro
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168550581/A003981536-002
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

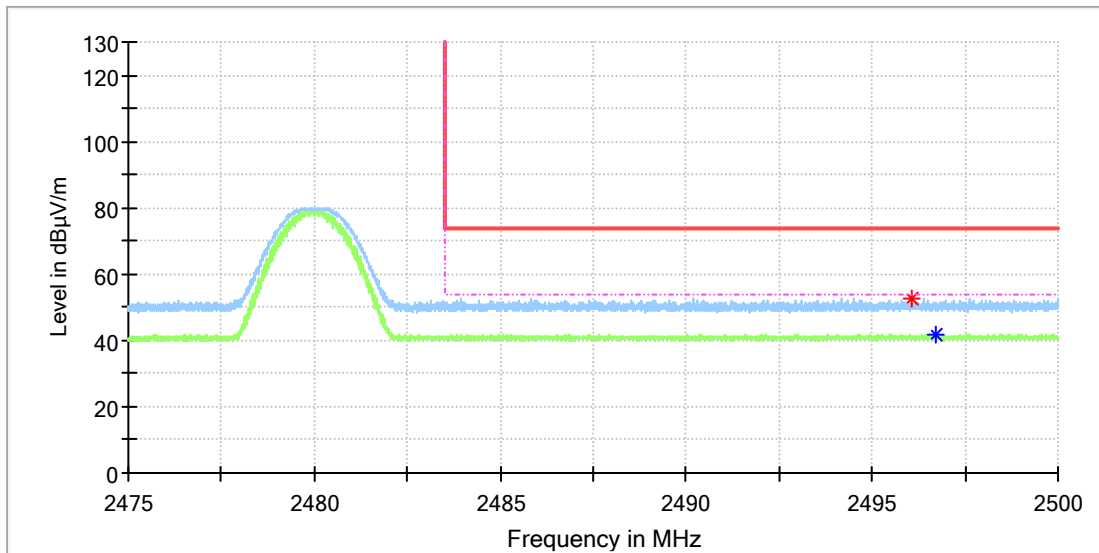


## Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2353.672059	---	40.81	54.00	13.19	150.0	V	36.0	8.5
2355.278677	52.77	---	74.00	21.23	150.0	V	126.0	8.5

## EUT Information

EUT Name:	Bluetooth Headset
Model:	Sense pro
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168550581/A003981536-002
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

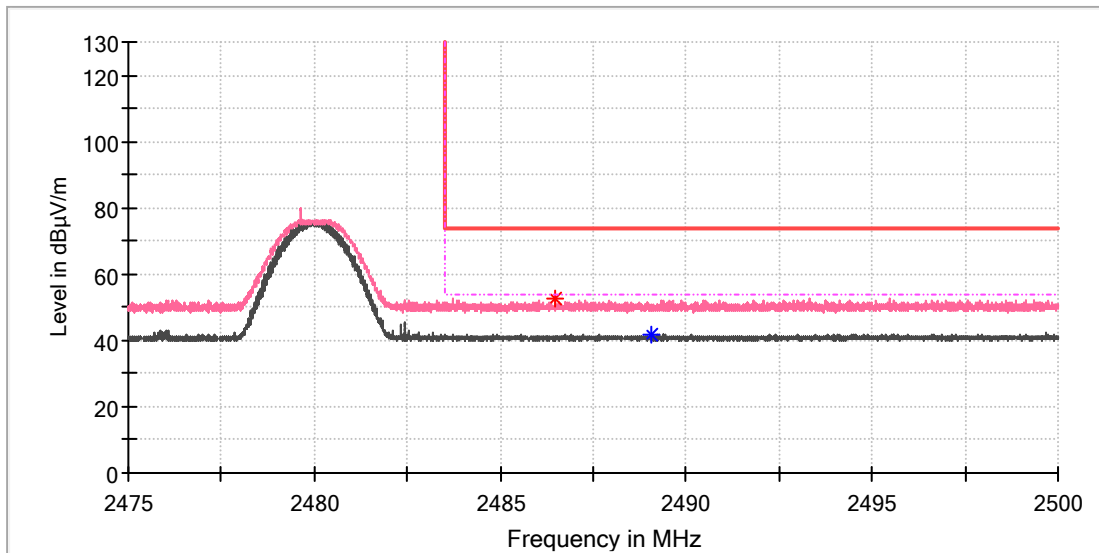


## Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2496.040441	52.84	---	74.00	21.16	150.0	H	328.0	9.0
2496.687500	---	41.89	54.00	12.11	150.0	H	355.0	9.0

## EUT Information

EUT Name:	Bluetooth Headset
Model:	Sense pro
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168550581/A003981536-002
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

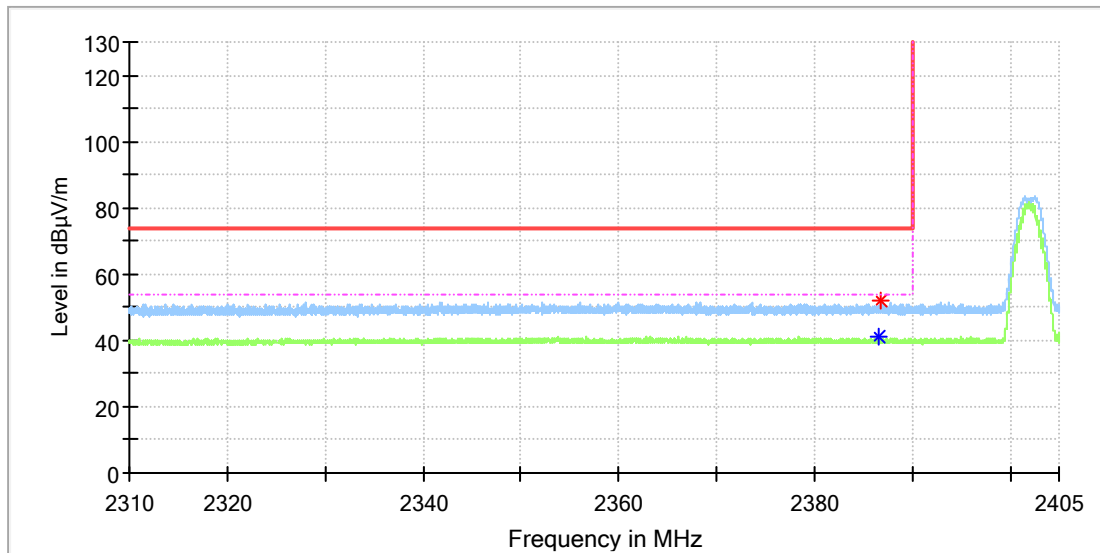


## Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2486.496324	52.77	---	74.00	21.23	150.0	V	252.0	9.0
2489.047794	---	41.78	54.00	12.22	150.0	V	348.0	9.0

## EUT Information

EUT Name:	Bluetooth Headset
Model:	Sense pro
Test Mode:	BLE 2M_Low channel
Order No/Sample No:	168550581/A003981536-002
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

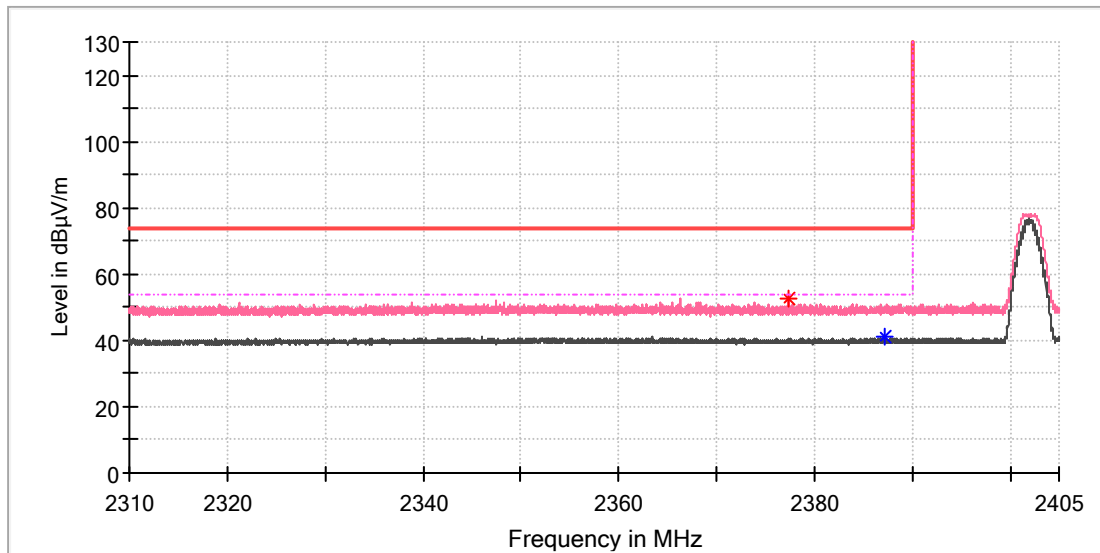


## Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2386.475000	---	41.09	54.00	12.91	150.0	H	66.0	8.5
2386.824265	51.72	---	74.00	22.28	150.0	H	123.0	8.5

## EUT Information

EUT Name:	Bluetooth Headset
Model:	Sense pro
Test Mode:	BLE 2M_Low channel
Order No/Sample No:	168550581/A003981536-002
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

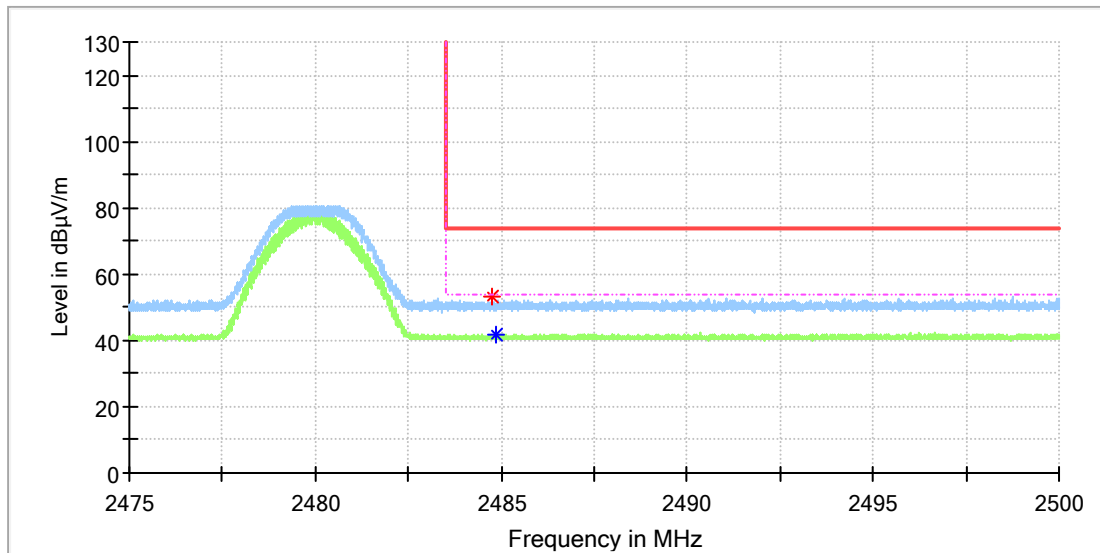


## Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2377.436029	52.32	---	74.00	21.68	150.0	V	261.0	8.5
2387.243382	---	41.05	54.00	12.95	150.0	V	182.0	8.5

## EUT Information

EUT Name:	Bluetooth Headset
Model:	Sense pro
Test Mode:	BLE 2M_High channel
Order No/Sample No:	168550581/A003981536-002
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

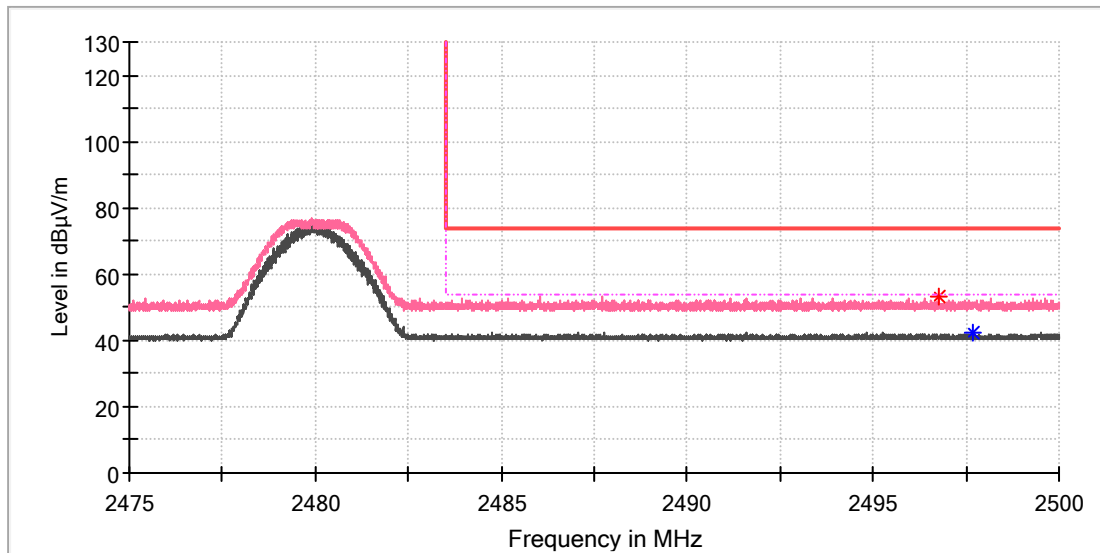


## Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.753677	52.98	---	74.00	21.02	150.0	H	233.0	9.0
2484.849265	---	41.60	54.00	12.40	150.0	H	187.0	9.0

## EUT Information

EUT Name:	Bluetooth Headset
Model:	Sense pro
Test Mode:	BLE 2M_High channel
Order No/Sample No:	168550581/A003981536-002
Test Voltage::	Battery
Remark:	Temp 23 Humi:56%
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)
2496.757353	53.30	---	74.00	20.70	150.0	V	125.0	9.0
2497.702206	---	42.24	54.00	11.76	150.0	V	186.0	9.0