Prüfbericht-Nr.: *Test report no.*:	**CN26Q6T3 002**	**Auftrags-Nr.:** *Order no.*:	27227850	**Page 1 of 21** *Seite 1 von 21*
Kunden-Referenz-Nr.: *Client reference no.*:	N/A	**Auftragsdatum:** *Order date:*	2026-03-19	
Auftraggeber: *Client*:	**SHOKZ (SINGAPORE) PTE. LTD.** 11 NORTH BUONA VISTA DRIVE #16-09 THE METROPOLIS, SINGAPORE 138589, Singapore			
Prüfgegenstand: *Test item*:	OpenRun Air 2; OpenRun Air 2 Mini			
Bezeichnung / Typ-Nr.: *Identification / Type no.*:	SHOKZ S610; SHOKZ S611 (Trademark: SHOKZ)			
Auftrags-Inhalt: *Order content*:	Type test			
Prüfgrundlage: *Test specification*:	CFR47 FCC Part 15: Subpart C Section 15.247 CFR47 FCC Part 15: Subpart C Section 15.209		RSS-247 Issue 4 July 24, 2025 RSS-Gen Issue 5 February 2021	

Wareneingangsdatum: *Date of sample receipt*:	2026-04-08	Refer to photos document
Prüfmuster-Nr.: *Test sample no:*	A004246001	
Prüfzeitraum: *Testing period*:	2026-04-09 – 2026-04-30	
Ort der Prüfung: *Place of testing*:	TÜV Rheinland (Shenzhen) Co., Ltd.	
Prüflaboratorium: *Testing laboratory:*	TÜV Rheinland (Shenzhen) Co., Ltd.	
Prüfergebnis*: *Test result**:	Pass	

geprüft von: tested by:	X 	**genehmigt von:** *authorized by*:	X 
Datum: *Date:* 2026-06-01	Signed by: Harry W. C. Wu	**Ausstellungsdatum:** *Issue date:* 2026-06-01	Signed by: Alex Lan
Stellung / Position:	Project Manager	**Stellung** / Position:	Authorizer

Sonstiges / *Other*: FCC ID: 2BCD6-S610
IC: 31129-S610 HVIN: SHOKZ S610; SHOKZ S611

Zustand des Prüfgegenstandes bei Anlieferung: *Condition of the test item at delivery*: Prüfmuster vollständig und unbeschädigt *Test item complete and undamaged*

* 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*

Remarks
Anmerkungen

1	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. *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.*
2	As contractually agreed, this document has been signed digitally only. TUV 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, TUV 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. *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.*
3	Test clauses with remark of * are subcontracted to qualified subcontractors and descripted 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. *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.*
4	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. *Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnisen 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 bezueglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019.*

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 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 KHZ BANDWIDTH
RESULT: Pass

5.1.7 RADIATED SPURIOUS EMISSION
RESULT: Pass

Contents

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.

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.

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Radio Spectrum Testing (SRD-Tonscend)				
Equipment	**Manufacturer**	**Model**	**Serial No.**	**Cal. until**
EXA Signal Analyzer, Multi-touch	Keysight	N9010B	MY60241175	22.09.2026
MXG X-Series RF Vector Signal Generator	Keysight	N5182B	MY61250137	22.09.2026
EXG X-Series Microwave Analog Signal Generator	Keysight	N5173B	MY61250141	22.09.2026
DC Power Supply	Keysight	E3642A	MY61276100	22.09.2026
Wireless Connectivity Tester	R&S	CMW270	102505	22.09.2026
Power Control Unit	Tonscend	JS0806-4ADC	N/A	22.09.2026
Automation Control Unit	Tonscend	JS0806-2	21C8060396	22.09.2026
Test Software	Tonscend	JS1120-3	N/A	N/A
Control PC	Lenovo	TianYi510S-071MB	YLX23JMF	N/A
Humid & Temp Programmable Tester	BOST	NTH090-60	19040801	01.02.2027
Unwanted Emission Testing (TS8996)				
Equipment	**Manufacturer**	**Model**	**Serial No.**	**Cal. until**
EMI Test Receiver	R&S	ESR 7	102021	21.09.2026
Signal Analyzer	R&S	FSV 40	101439	21.09.2026
System Controller Interface	R&S	SCI-100	S10010038	N/A
Filterbank	R&S	Wlan	100759	21.09.2026
OSP	R&S	OSP 120	102040	N/A
Pre-amplifier	R&S	SCU08F1	08320031	21.09.2026
Amplifier	R&S	SCU-18F	180070	21.09.2026
Amplifier	R&S	SCU40A	100475	21.09.2026
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

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 basics 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 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.

3 General Product Information

3.1 Product Function and Intended Use

The EUTs are Bluetooth Headset, it supports Bluetooth dual mode wireless technology.
This product has different color of enclosure.
Two models are identical except the product name & model number due to different lengths of neckband, details as below:

Product name	Model Number	Difference	Note
OpenRun Air 2	SHOKZ S610	Longer neckband	The OpenRun Air 2 (SHOKZ610) features a longer neckband, while the OpenRun Air 2 Mini (SHOKZ S611) features a shorter neckband. All other schematics and PCB layouts are identical.
OpenRun Air 2 Mini	SHOKZ S611	Shorter neckband	

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

3.2 Ratings and System Details

Table 2: Technical Specification of EUT

General Information of EUT	**Value**
Kind of Equipment	OpenRun Air 2; OpenRun Air 2 Mini
Type Designation	SHOKZ S610; SHOKZ S611
Trademark	SHOKZ
FCC ID	2BCD6-S610
IC	31129-S610
HVIN	SHOKZ S610; SHOKZ S611
Extreme Temperature Range	0ºC to +40ºC
Operating Voltage (for earbuds):	Internal battery operated (3.87Vdc)
Technical Specification of Classical Bluetooth	
Operating Frequency band	2402 ~ 2480 MHz
Channel Number	79 channels
Channel separation	1MHz
Modulation	GFSK, π/4DQPSK, 8DPSK
Antenna Type	PIFA Antenna
Antenna Gain	-3.00 dBi (Provided by the Client)
Technical Specification of Bluetooth Low Energy	
Operating Frequency band	2402 – 2480 MHz for data rate 1Mbps 2404 - 2478 MHz for data rate 2Mbps
Channel Number	40 channels for data rate 1Mbps 38 channels for data rate 2Mbps
Channel separation	2MHz
Data rate	1Mbps, 2Mbps
Modulation	GFSK
Antenna Type	PIFA Antenna
Antenna Gain	-3.00 dBi (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)
00	**2402.00**	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	**78**	**2480.00**
19	2421.00	**39**	**2441.00**	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)
00	**2402.00**	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	**19**	**2440.00**	29	2460.00	**39**	**2480.00**

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

Note: Bluetooth function will be disabled when product is in charging.

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 C63.10-2020, ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024.

According to clause 3.1, all test items were applied on model SHOKZ S610.

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

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)

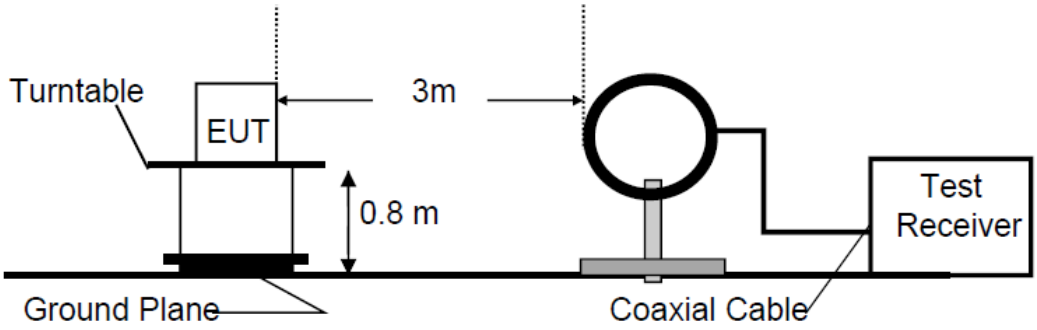


Diagram of Measurement Configuration for Radiation Test (Below 1GHz)

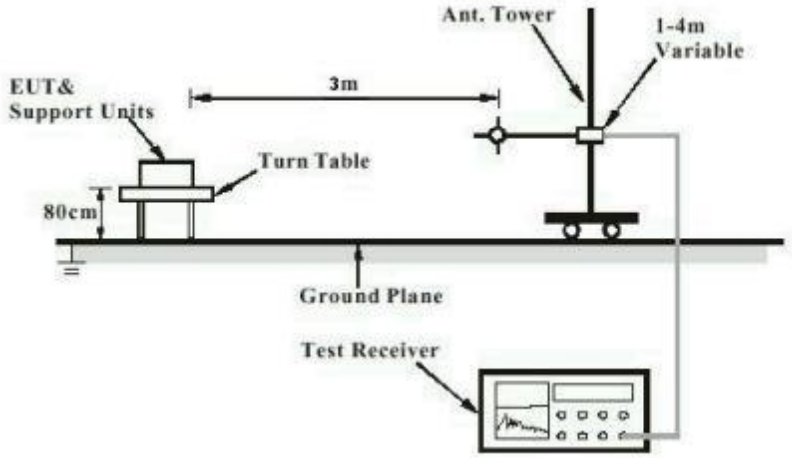


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

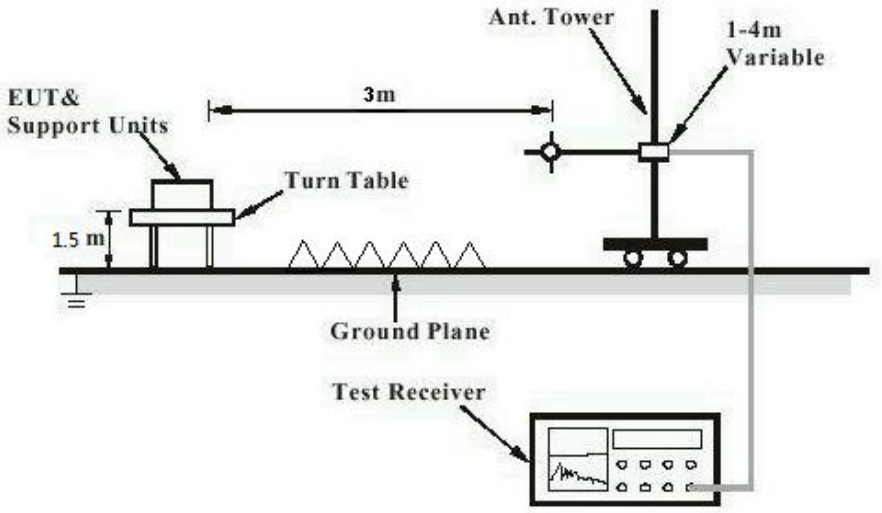
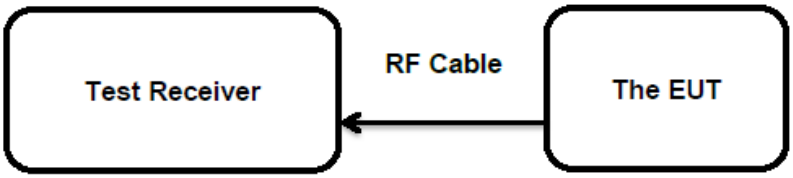


Diagram of Measurement Configuration for Conducted Transmitter Measurement



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 PIFA antenna, the directional gain of antennas is -3.0 dBi, 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.

5.1.2 Maximum Peak Conducted Output Power

RESULT: **Pass**

Test Specification

Test standard	:	FCC Part 15.247(b)(3) RSS-247 Clause 6.3.2
Basic standard	:	ANSI C63.10-2020, ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024
Limits	:	< 1 Watt (Maximum Conducted Peak Power) e.i.r.p. <4W
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	2026-04-09 to 2026-04-30
Input voltage	:	DC 3.87V
Operation mode	:	A
Test channel	:	Low / Middle / High
Ambient temperature	:	24.8 ℃
Relative humidity	:	55 %
Atmospheric pressure	:	101 kPa

For details refer to following test result.

Table 6: Test Result of Maximum Peak Conducted Output Power

Data Rate	Test Channel (MHz)	Measured Peak Power		Limit (W)
		(dBm)	(W)	
1 Mbps	2402	9.83	0.00962	< 1.0
	2440	9.95	0.00989	
	2480	9.88	0.00973	
2 Mbps	2404	10.00	0.01000	
	2440	10.14	0.01033	
	2478	10.05	0.01012	
Maximum Measured Value		10.14	0.01033	

Note: The cable loss is taken into account in results and the maximum e.i.r.p. is 7.14dBm 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 6.3.1
Basic standard	:	ANSI C63.10-2020, ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024
Limits	:	8 dBm / 3kHz
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	2026-04-09 to 2026-04-30
Input voltage	:	DC 3.87V
Operation mode	:	A
Test channel	:	Low / Middle / High
Ambient temperature	:	24.8 ℃
Relative humidity	:	55 %
Atmospheric pressure	:	101 kPa

For the measurement records, refer to the appendix B.

Table 7: Test Result of Conducted Power Spectral Density

Data Rate	Channel Frequency (MHz)	Measured Conducted Power Spectral Density (dBm / 3kHz)	Limit
1 Mbps	2402	-6.11	8 dBm / 3kHz
	2440	-5.96	
	2480	-6.05	
2 Mbps	2404	-9.38	8 dBm / 3kHz
	2440	-9.28	
	2478	-9.38	

5.1.4 99%dB Bandwidth

RESULT: **Pass**

Test Specification

Test standard	:	RSS-Gen clause 6.7
Basic standard	:	ANSI C63.10-2020, ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	2026-04-09 to 2026-04-30
Input voltage	:	DC 3.87V
Operation mode	:	A
Test channel	:	Low / Middle / High
Ambient temperature	:	24.8 ℃
Relative humidity	:	55 %
Atmospheric pressure	:	101 kPa

For the measurement records, refer to the appendix B.

Table 8: Test Result of 99% Bandwidth

Data Rate	Channel Frequency (MHz)	Measured 99% Bandwidth (MHz)	Limit
1 Mbps	2402	1.0470	/
	2440	1.0470	
	2480	1.0470	
2 Mbps	2404	2.0619	/
	2440	2.0619	
	2478	2.0579	

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

5.1.5 6dB Bandwidth

RESULT: **Pass**

Test Specification

Test standard	:	FCC Part 15.247(a)(2) RSS-247 Clause 6.3.1
Basic standard	:	ANSI C63.10-2020, ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	2026-04-09 to 2026-04-30
Input voltage	:	DC 3.87V
Operation mode	:	A
Test channel	:	Low / Middle / High
Ambient temperature	:	24.8 ℃
Relative humidity	:	55 %
Atmospheric pressure	:	101 kPa

For the measurement records, refer to the appendix B.

Table 9: Test Result of 6dB Bandwidth

Data Rate	Channel Frequency (MHz)	Measured 6dB Bandwidth (MHz)	Limit
1 Mbps	2402	0.72	>500kHz
	2440	0.72	
	2480	0.72	
2 Mbps	2404	1.25	>500kHz
	2440	1.26	
	2478	1.20	

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, ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024
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	:	2026-04-09 to 2026-04-30
Input voltage	:	DC 3.87V
Operation mode	:	A
Test channel	:	Low / Middle / High
Ambient temperature	:	24.8 ℃
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 .

5.1.7 Radiated Spurious Emission

RESULT: **Pass**

Test Specification

Test standard	:	FCC Part 15.247(d) & FCC Part 15.205 RSS-247 Clause 2.4
Basic standard	:	ANSI C63.10-2020, ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024
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	:	2026-04-09 to 2026-04-30
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.

6 Photographs of the Test Set-Up

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

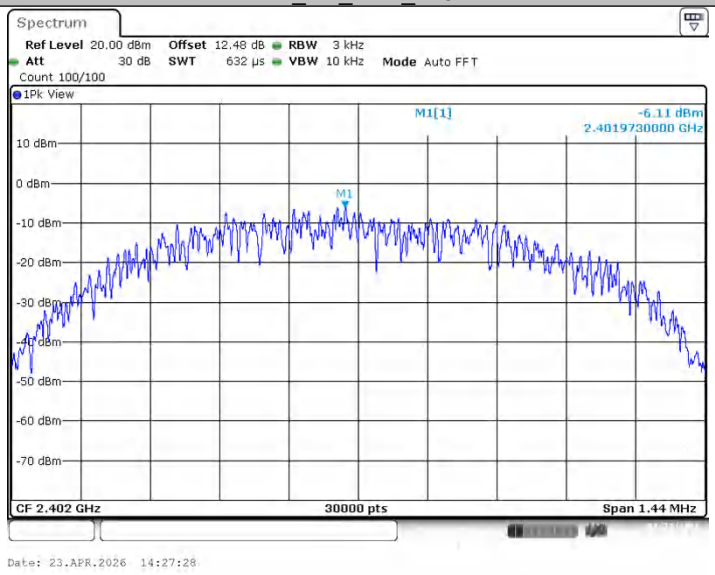
7 List of Tables

Appendix B: Test Results of Bluetooth Low Energy

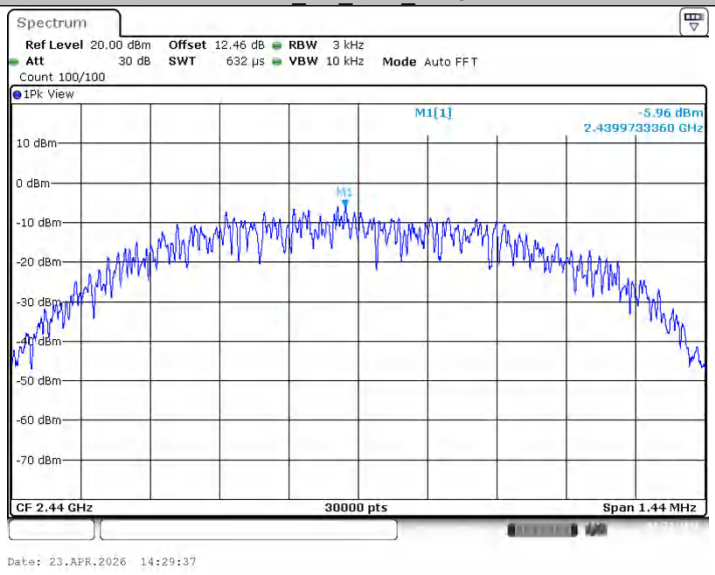
Appendix B.1: Test Results of Conducted Power Spectral Density

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-6.11	≤8.00	PASS
		2440	-5.96	≤8.00	PASS
		2480	-6.05	≤8.00	PASS
BLE_2M	Ant1	2404	-9.38	≤8.00	PASS
		2440	-9.28	≤8.00	PASS
		2478	-9.38	≤8.00	PASS

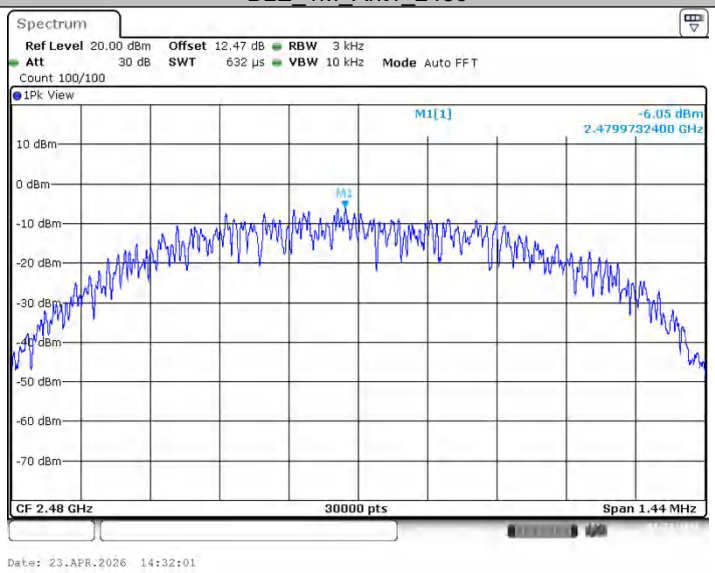
BLE_1M_Ant1_2402



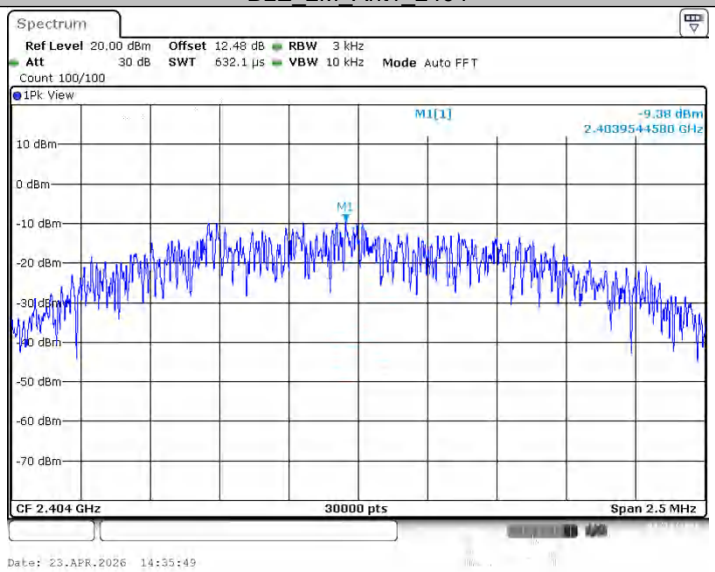
BLE_1M_Ant1_2440



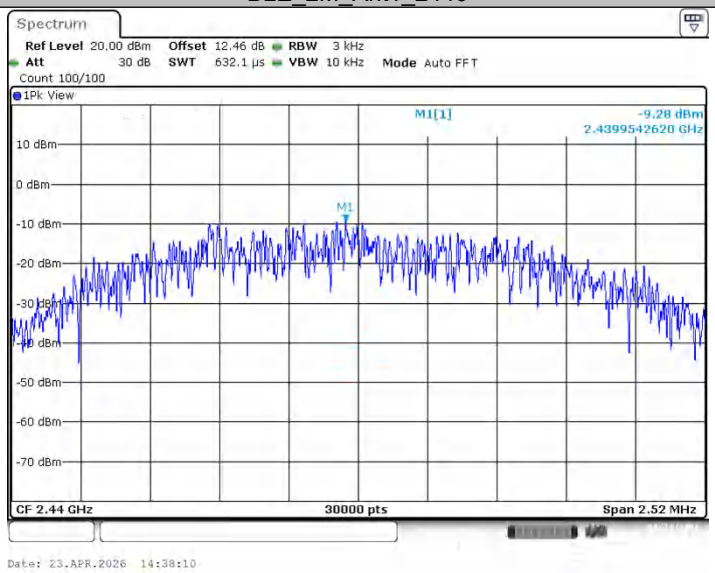
BLE_1M_Ant1_2480



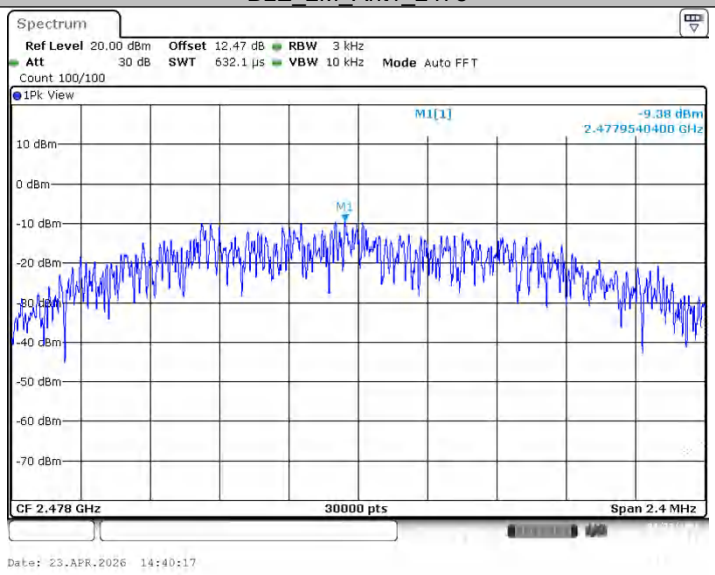
BLE_2M_Ant1_2404



BLE_2M_Ant1_2440



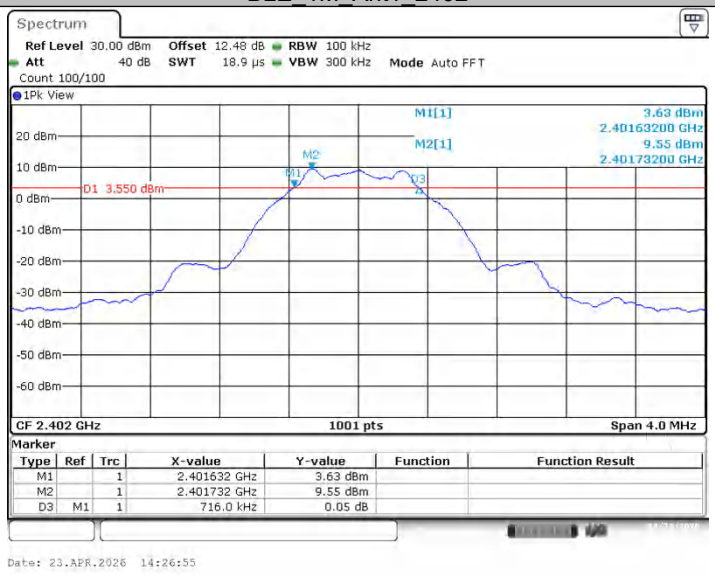
BLE_2M_Ant1_2478



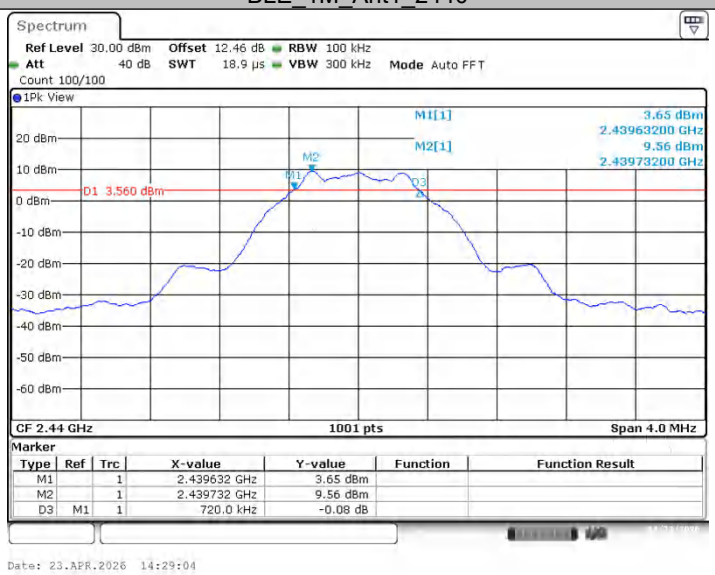
Appendix B.2: Test Results of 6dB Bandwidth

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.72	2401.63	2402.35	0.5	PASS
		2440	0.72	2439.63	2440.35	0.5	PASS
		2480	0.72	2479.63	2480.35	0.5	PASS
BLE_2M	Ant1	2404	1.25	2403.35	2404.60	0.5	PASS
		2440	1.26	2439.34	2440.60	0.5	PASS
		2478	1.20	2477.40	2478.59	0.5	PASS

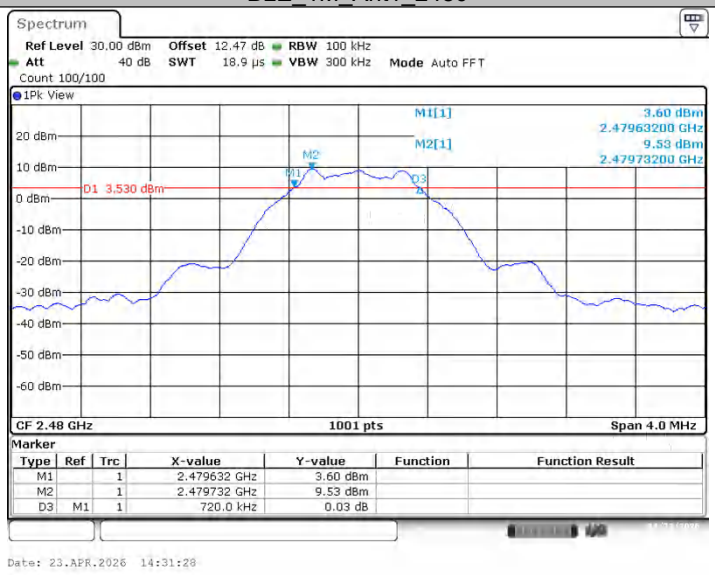
BLE_1M_Ant1_2402



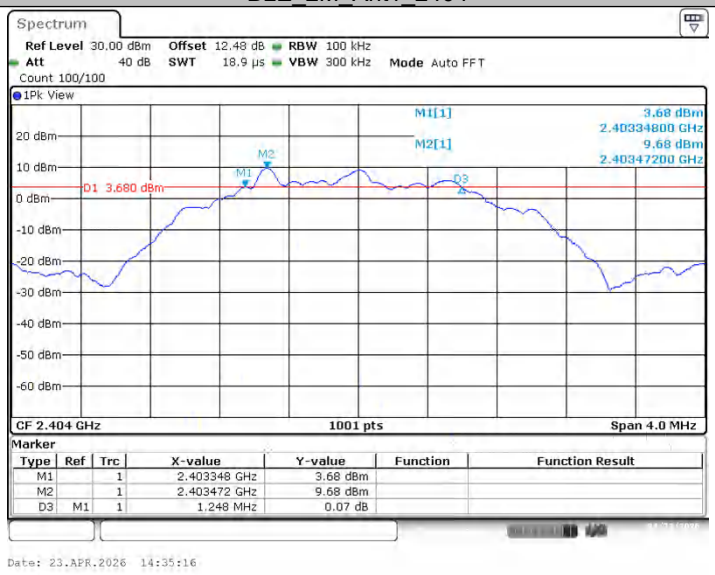
BLE_1M_Ant1_2440



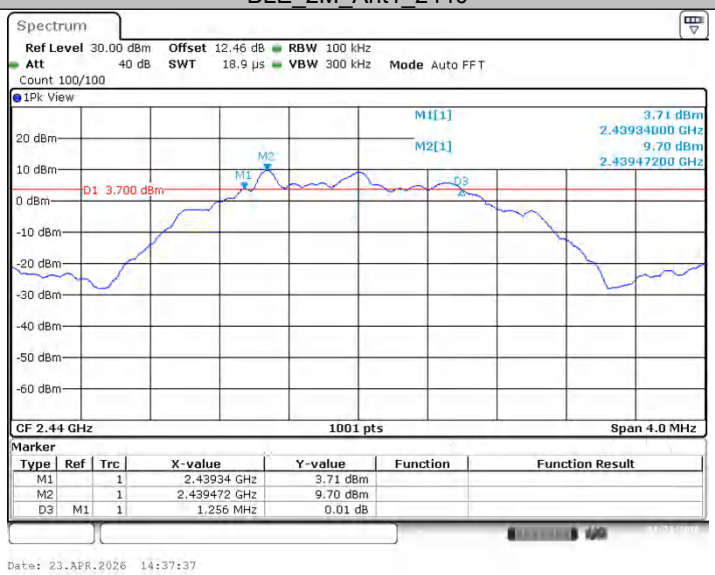
BLE_1M_Ant1_2480



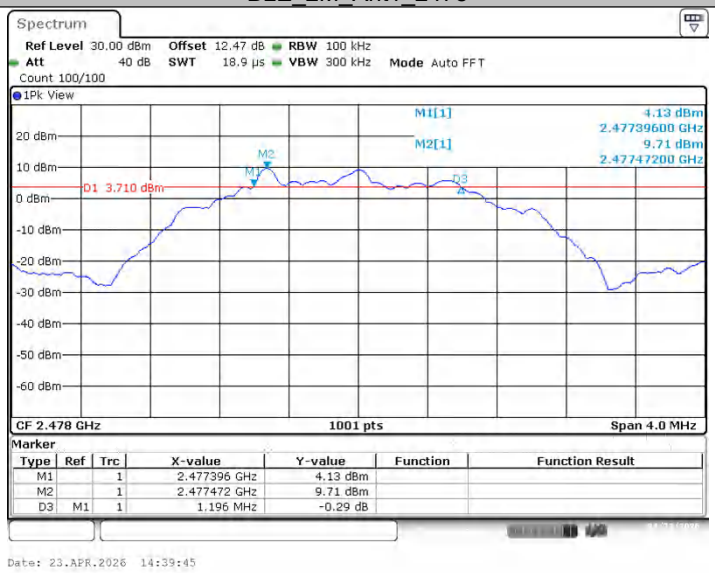
BLE_2M_Ant1_2404



BLE_2M_Ant1_2440



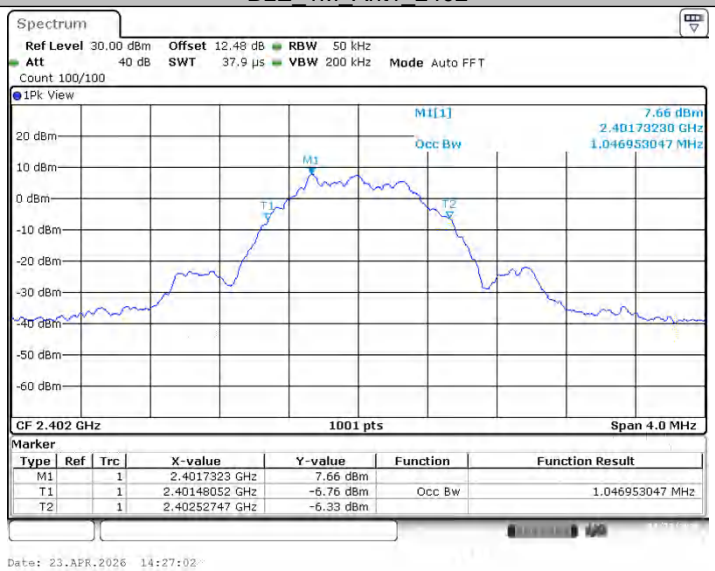
BLE_2M_Ant1_2478



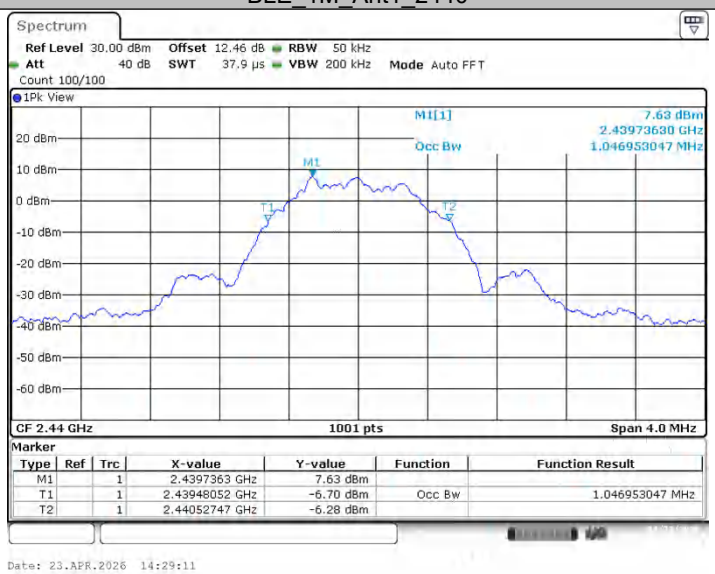
Appendix B.3: Test Results of 99% Bandwidth

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0470	2401.4805	2402.5275	---	---
		2440	1.0470	2439.4805	2440.5275	---	---
		2480	1.0470	2479.4805	2480.5275	---	---
BLE_2M	Ant1	2404	2.0619	2402.9850	2405.0470	---	---
		2440	2.0619	2438.9850	2441.0470	---	---
		2478	2.0579	2476.9850	2479.0430	---	---

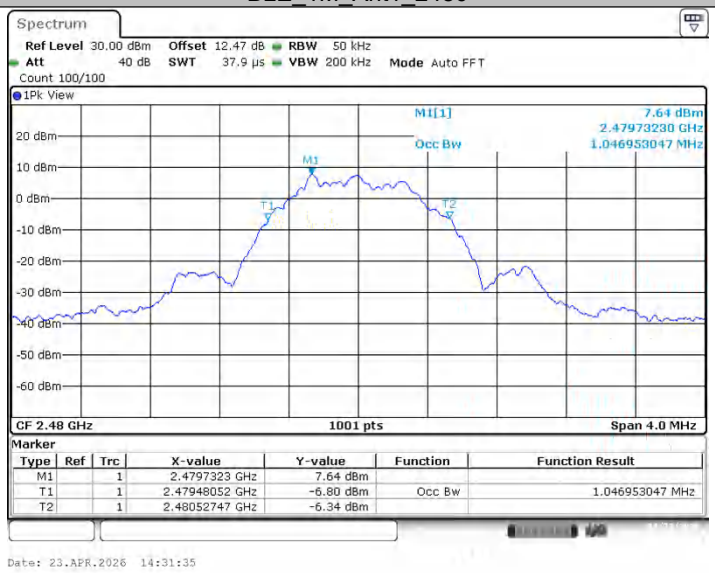
BLE_1M_Ant1_2402



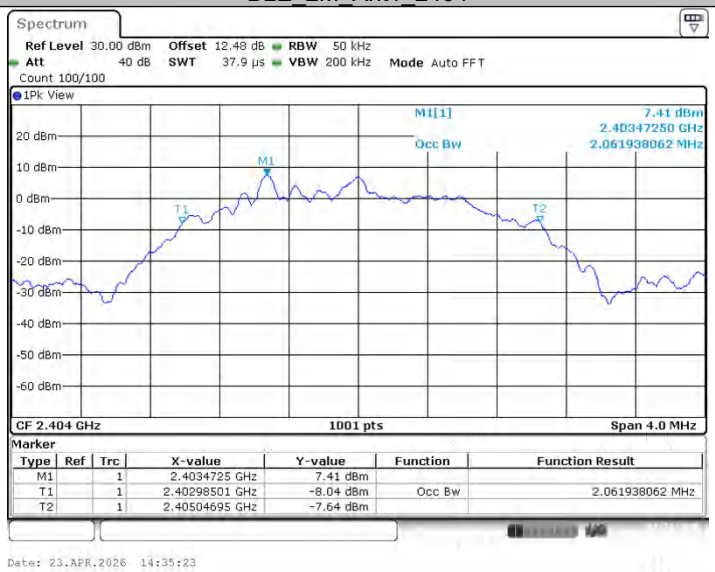
BLE_1M_Ant1_2440



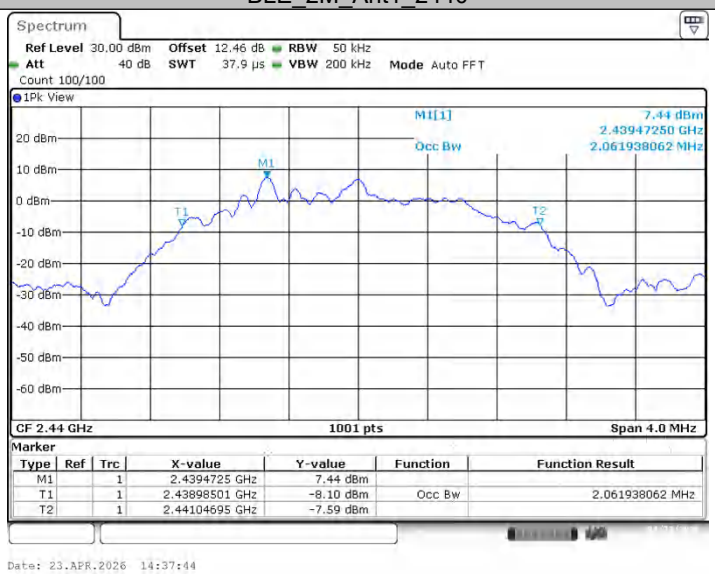
BLE_1M_Ant1_2480



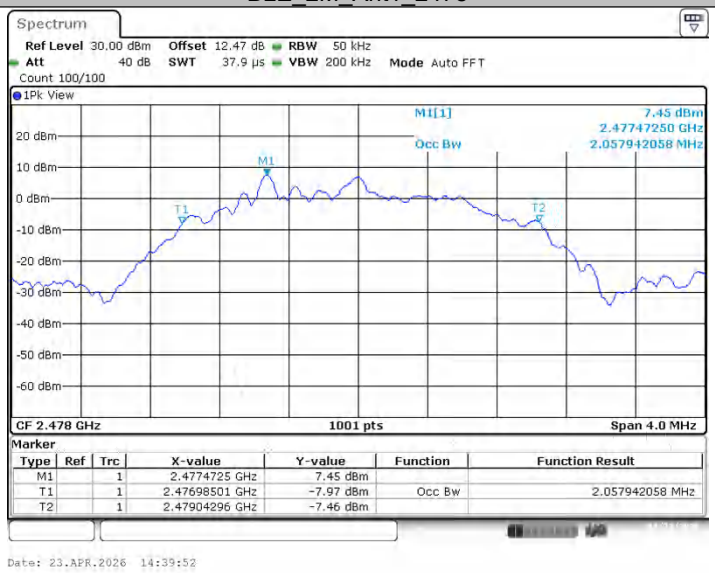
BLE_2M_Ant1_2404



BLE_2M_Ant1_2440



BLE_2M_Ant1_2478



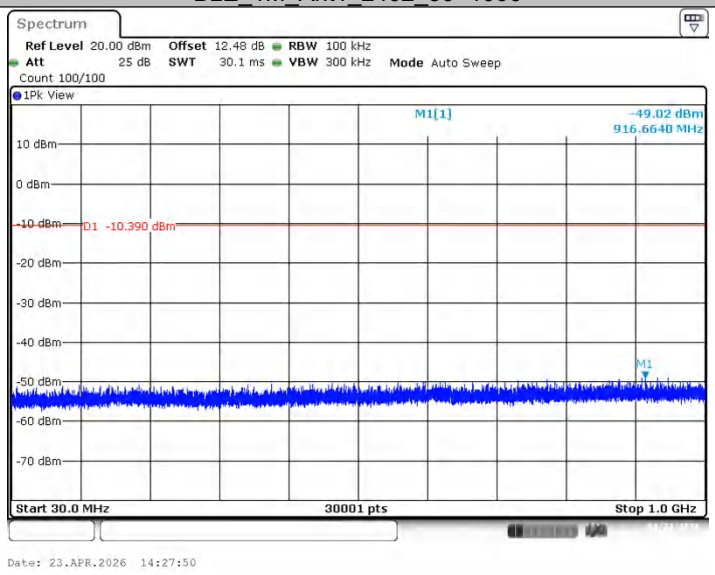
Appendix B.4: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

Conducted measurements

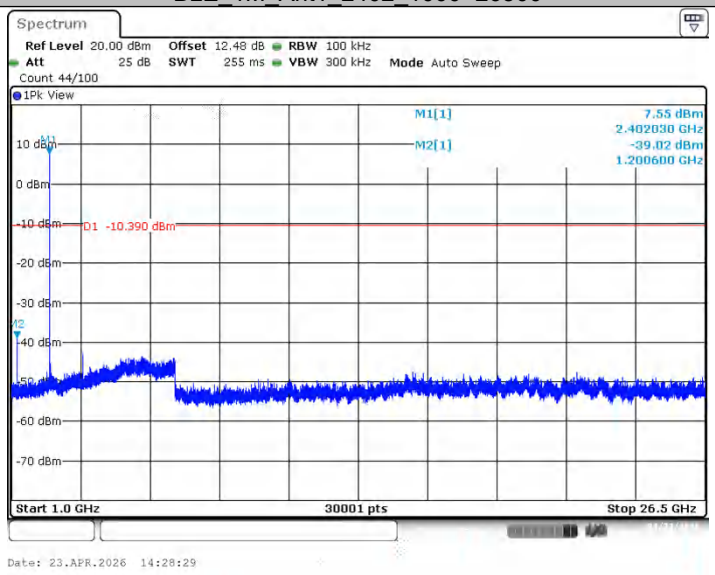
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	9.61	9.61	---	PASS
			30~1000	9.61	-49.02	≤-10.39	PASS
			1000~26500	9.61	-39.02	≤-10.39	PASS
		2440	Reference	9.60	9.60	---	PASS
			30~1000	9.60	-49.07	≤-10.4	PASS
			1000~26500	9.60	-37.92	≤-10.4	PASS
		2480	Reference	9.54	9.54	---	PASS
			30~1000	9.54	-49.29	≤-10.46	PASS
			1000~26500	9.54	-37.79	≤-10.46	PASS
BLE_2M	Ant1	2404	Reference	9.73	9.73	---	PASS
			30~1000	9.73	-48.86	≤-10.27	PASS
			1000~26500	9.73	-39	≤-10.27	PASS
		2440	Reference	9.74	9.74	---	PASS
			30~1000	9.74	-49.2	≤-10.26	PASS
			1000~26500	9.74	-39.07	≤-10.26	PASS
		2478	Reference	9.69	9.69	---	PASS
			30~1000	9.69	-48.57	≤-10.31	PASS
			1000~26500	9.69	-39.14	≤-10.31	PASS

BLE_1M_Ant1_2402_0~Reference

BLE_1M_Ant1_2402_30~1000

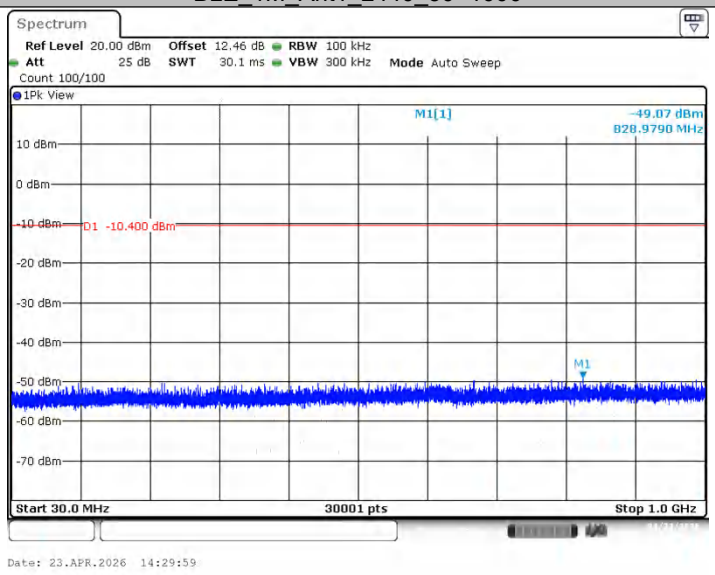


BLE_1M_Ant1_2402_1000~26500

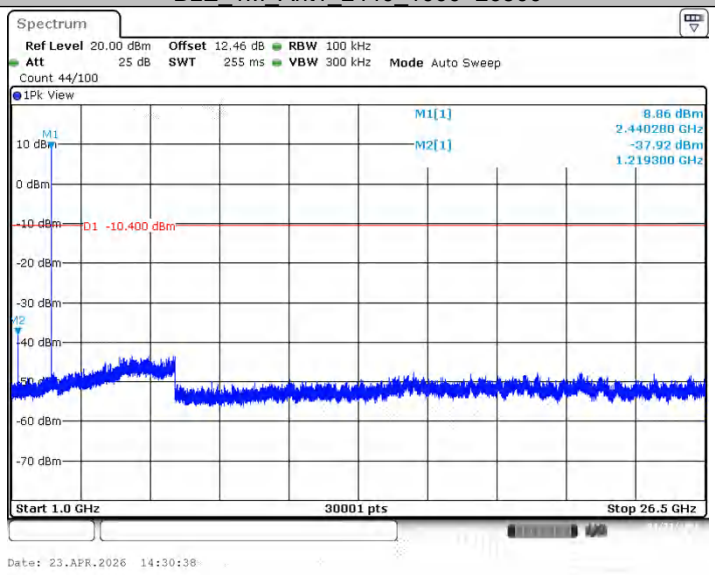


BLE_1M_Ant1_2440_0~Reference

BLE_1M_Ant1_2440_30~1000

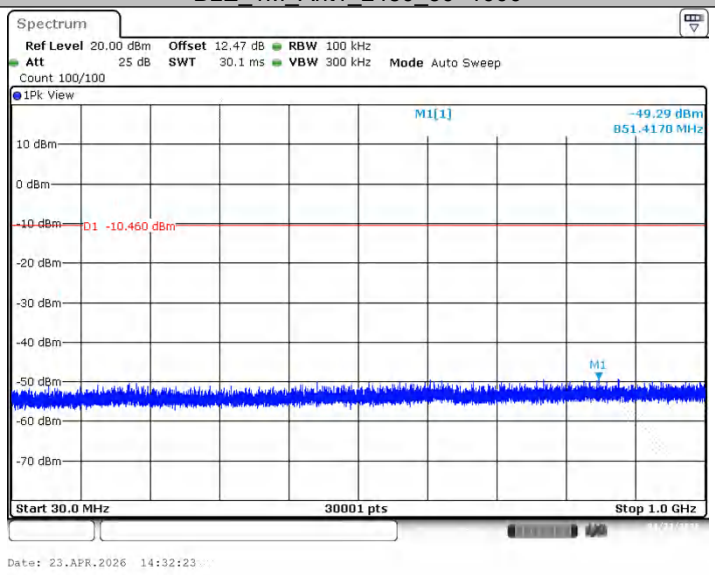


BLE_1M_Ant1_2440_1000~26500

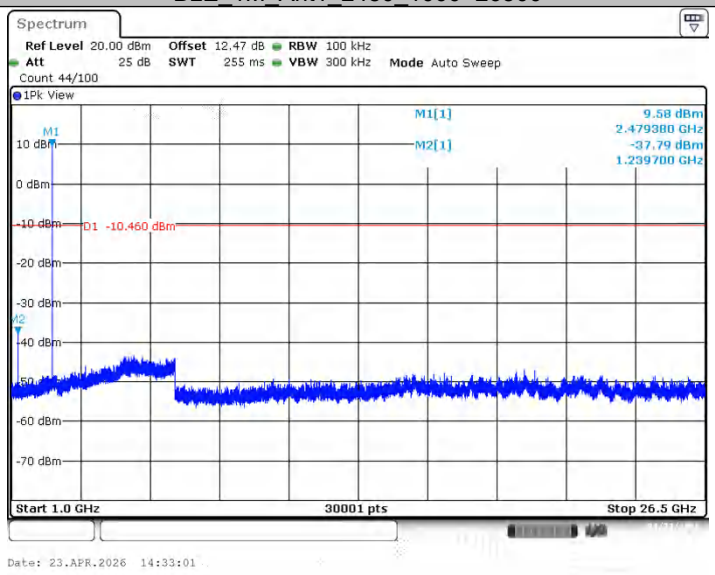


BLE_1M_Ant1_2480_0~Reference

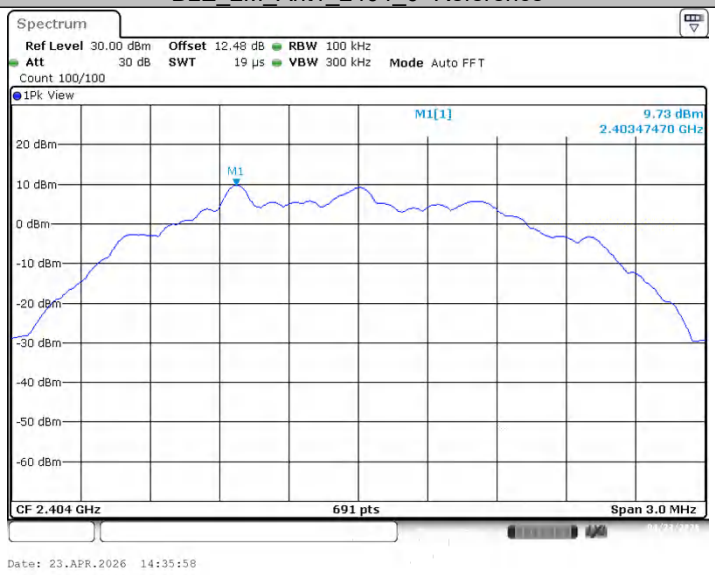
BLE_1M_Ant1_2480_30~1000



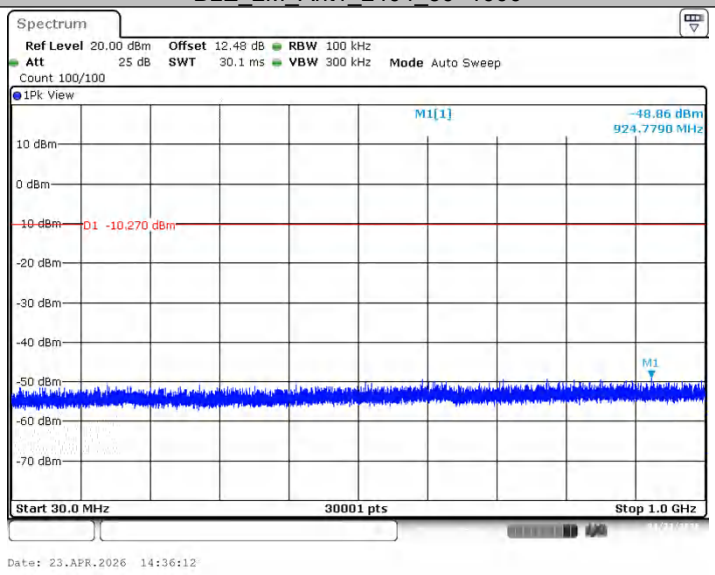
BLE_1M_Ant1_2480_1000~26500



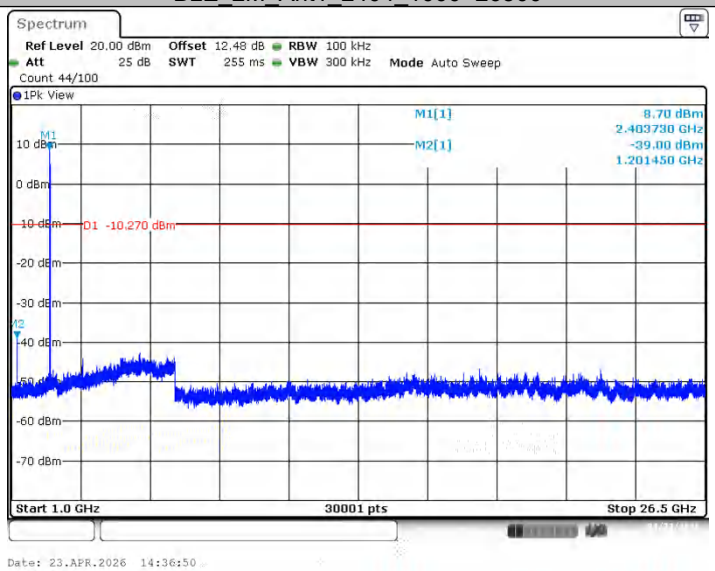
BLE_2M_Ant1_2404_0~Reference



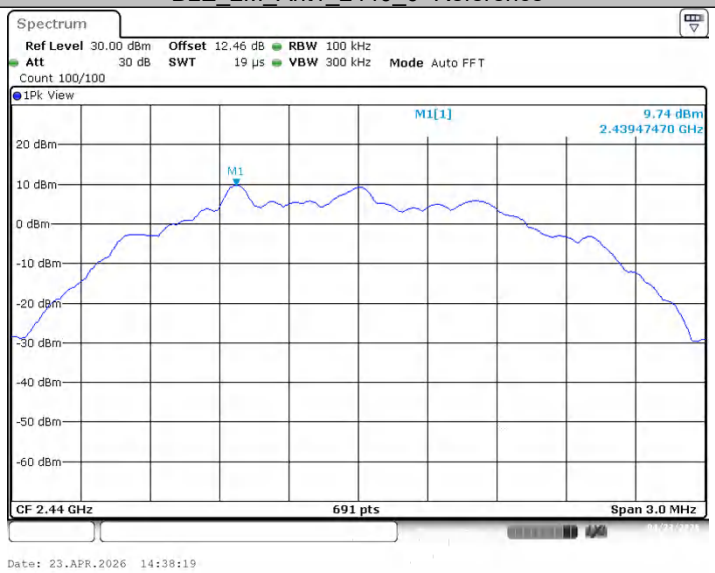
BLE_2M_Ant1_2404_30~1000



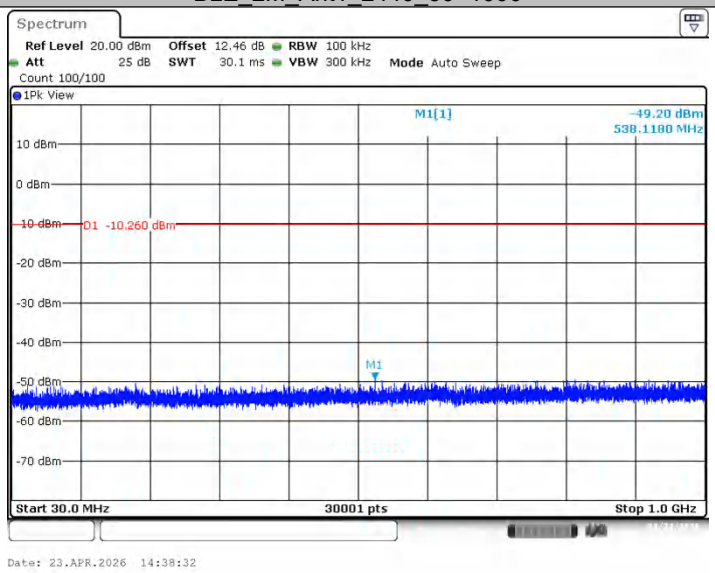
BLE_2M_Ant1_2404_1000~26500



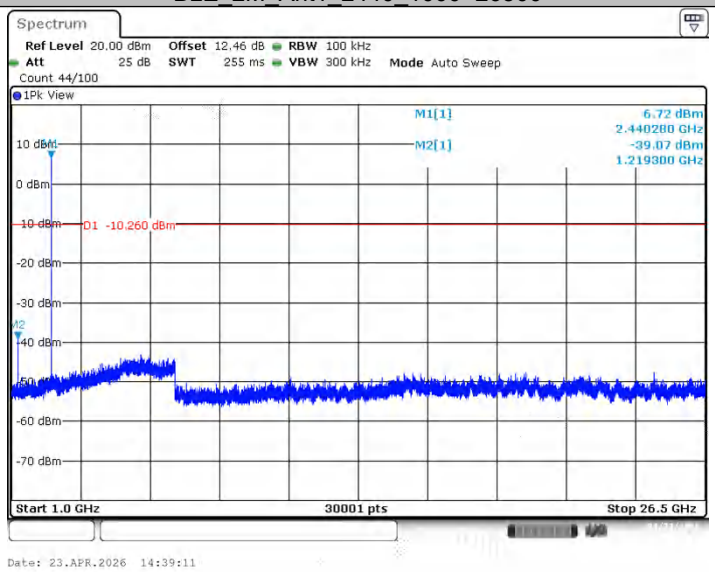
BLE_2M_Ant1_2440_0~Reference



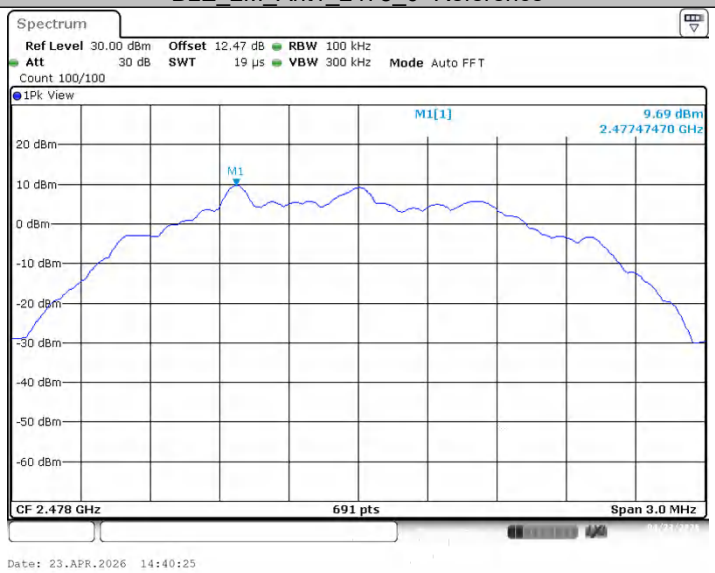
BLE_2M_Ant1_2440_30~1000



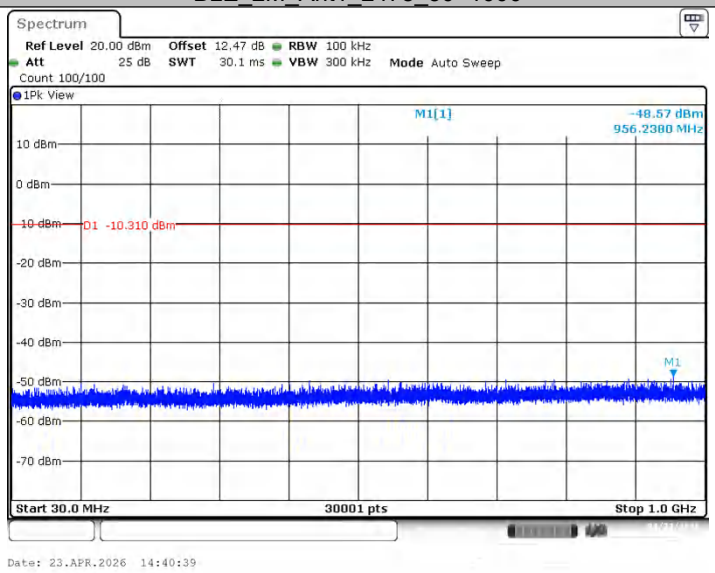
BLE_2M_Ant1_2440_1000~26500



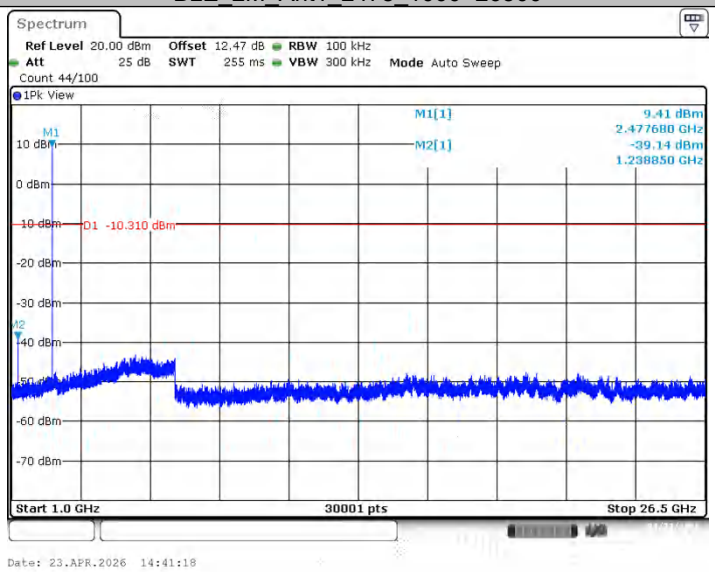
BLE_2M_Ant1_2478_0~Reference



BLE_2M_Ant1_2478_30~1000



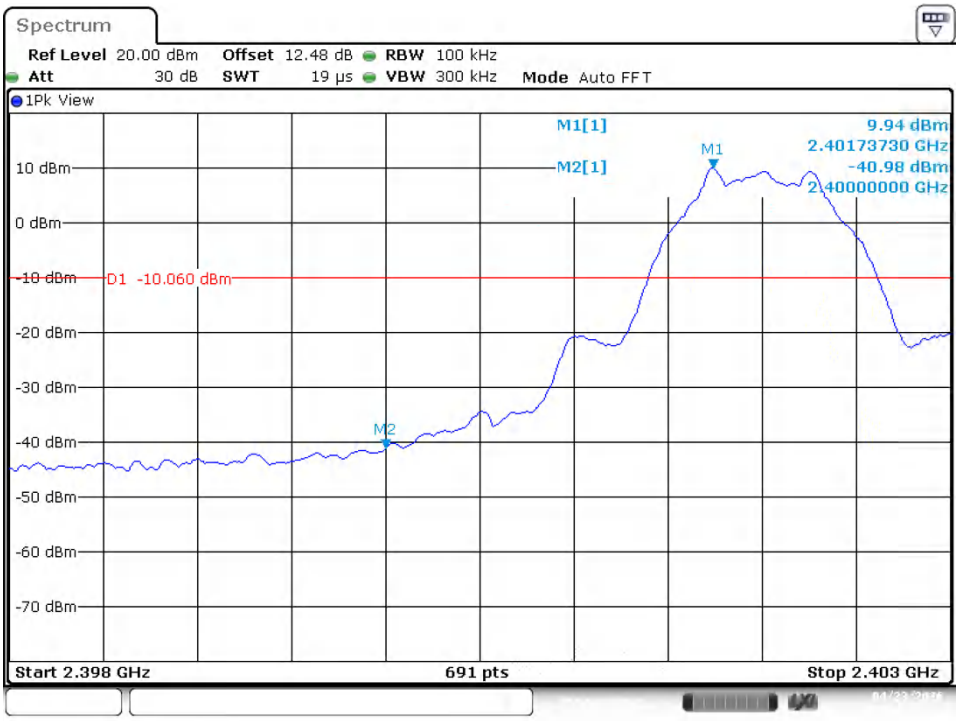
BLE_2M_Ant1_2478_1000~26500



Band edge measurements

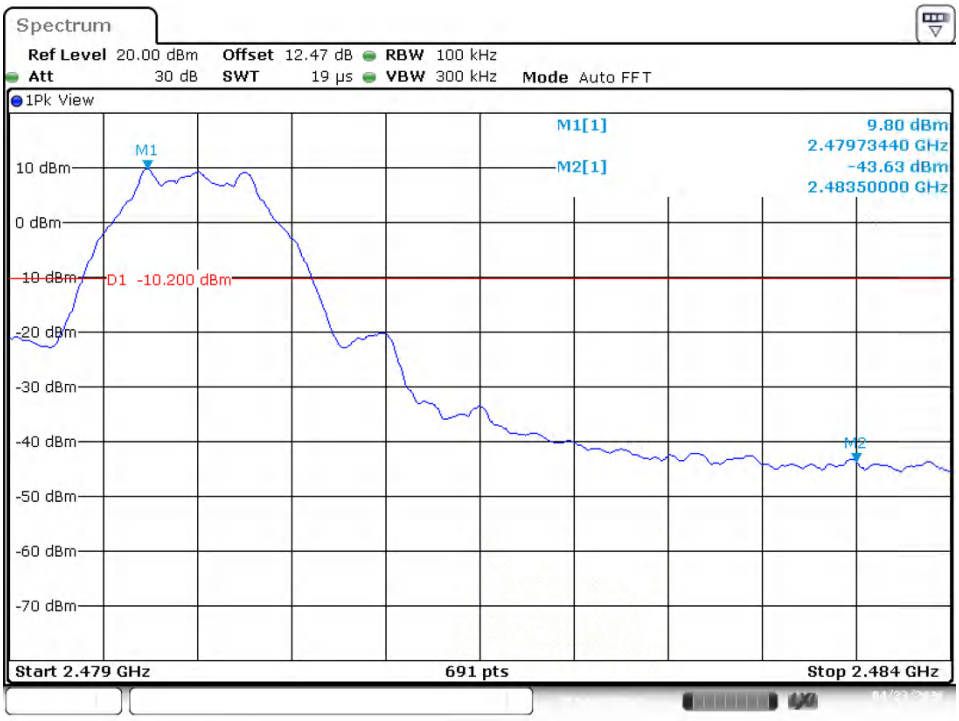
TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	9.94	-43.63	≤-10.2	PASS
		High	2480	9.80	-40.98	≤-10.06	PASS
BLE_2M	Ant1	Low	2404	9.13	-44.49	≤-10.87	PASS
		High	2478	8.92	-46.12	≤-11.08	PASS

BLE_1M_Ant1_2402



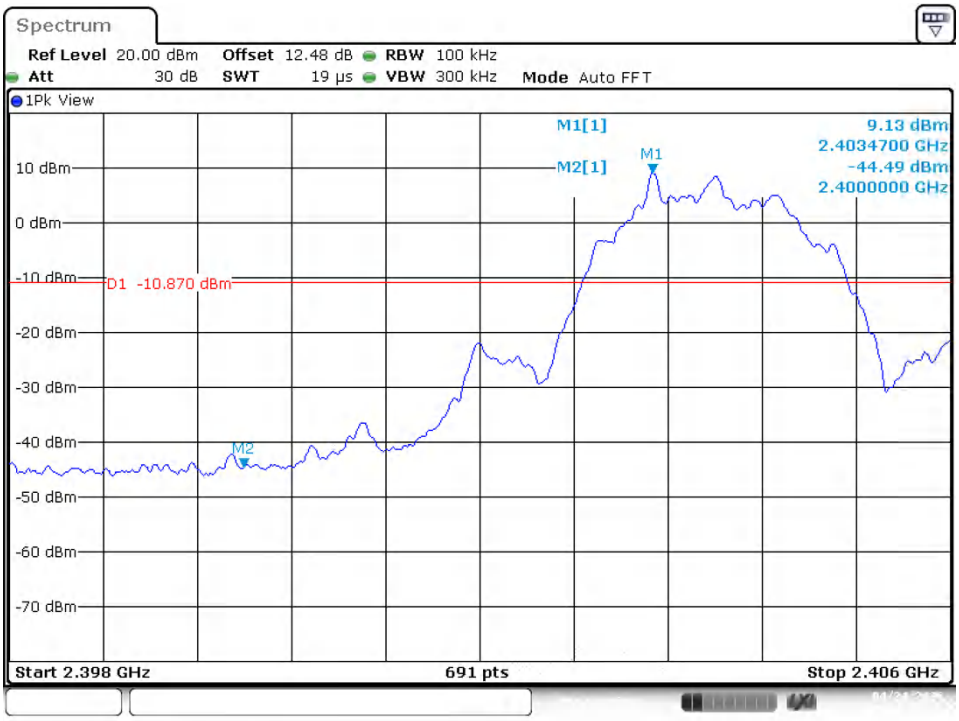
Date: 23.APR.2026 14:44:02

BLE_1M_Ant1_2480



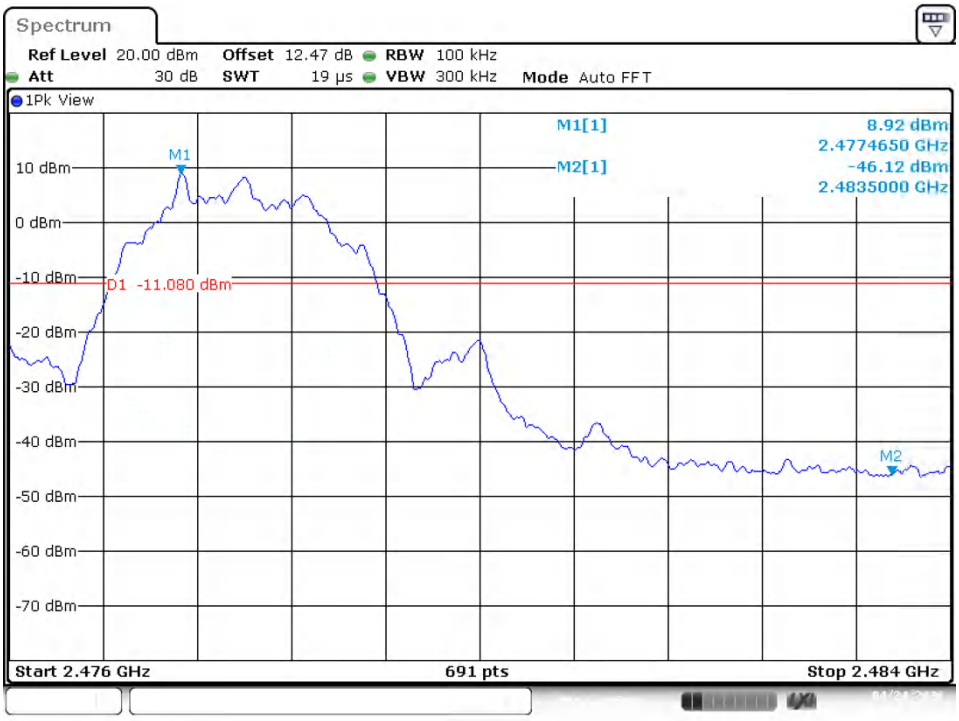
Date: 23.APR.2026 14:44:52

BLE_2M_Ant1_2404



Date: 24.APR.2026 05:11:59

BLE_2M_Ant1_2478



Date: 24.APR.2026 05:13:31

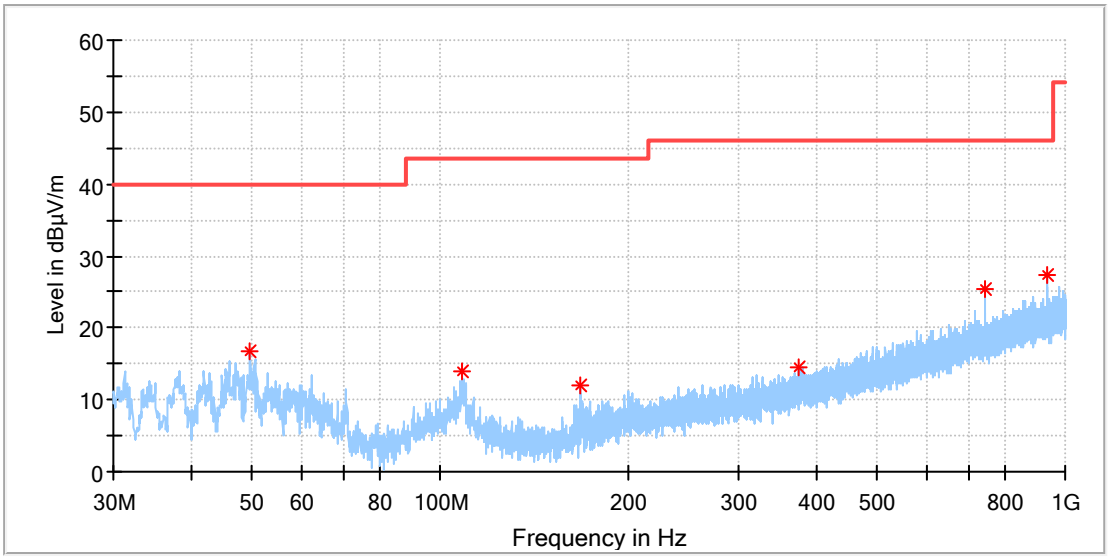
Appendix B.5: Test Results of Radiated Spurious Emissions, for OpenRun Air 2

Note: 1. 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. 2. This testing was carried out on different modulations, but only the worst case (GFSK) was presented in this report.

30MHz - 1GHz

EUT Information

EUT Name:	OpenRun Air 2
Model:	SHOKZ S610
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	27227850/A004246001-015
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

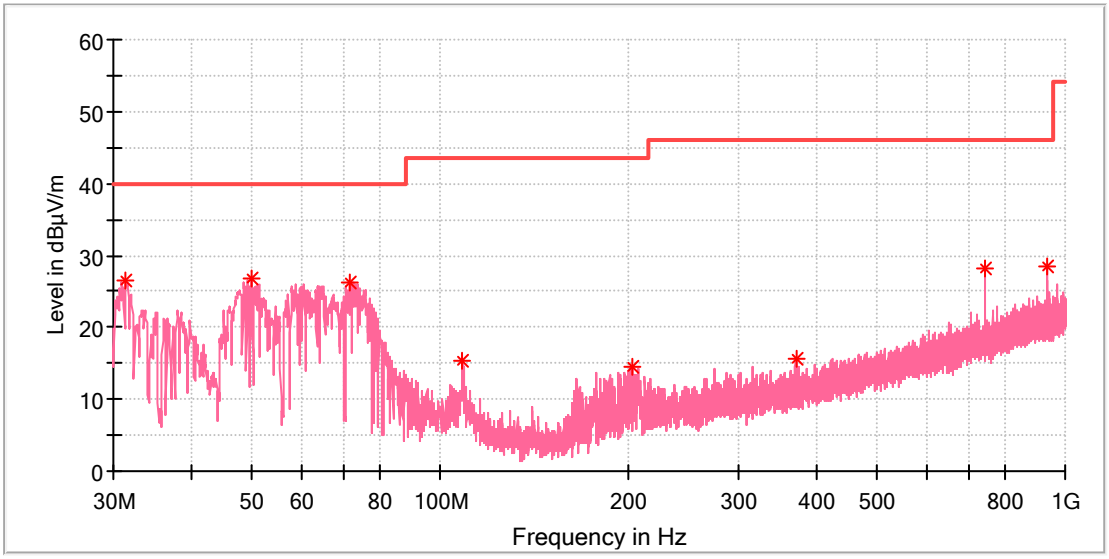


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
49.669444	16.77	40.00	23.23	100.0	H	127.0	-18.4
108.623889	14.01	43.50	29.49	100.0	H	257.0	-19.1
168.009444	12.01	43.50	31.49	100.0	H	350.0	-21.4
375.697222	14.56	46.00	31.44	100.0	H	0.0	-14.3
742.518889	25.45	46.00	20.55	100.0	H	207.0	-7.2
938.458889	27.39	46.00	18.61	100.0	H	159.0	-4.4

EUT Information

EUT Name:	OpenRun Air 2
Model:	SHOKZ S610
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	27227850/A004246001-015
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



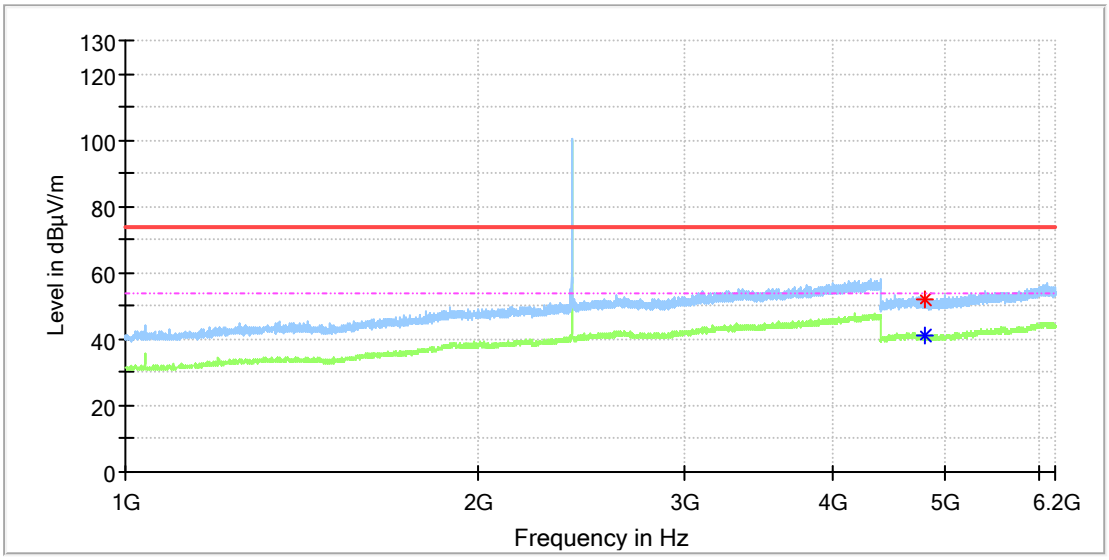
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
31.455000	26.47	40.00	13.53	100.0	V	193.0	-22.8
49.831111	26.92	40.00	13.08	100.0	V	66.0	-18.4
71.763889	26.31	40.00	13.69	100.0	V	81.0	-22.5
108.785556	15.28	43.50	28.22	100.0	V	154.0	-19.1
203.576111	14.58	43.50	28.92	100.0	V	315.0	-19.0
370.523889	15.56	46.00	30.44	100.0	V	73.0	-14.4
742.518889	28.27	46.00	17.73	100.0	V	73.0	-7.2
936.950000	28.52	46.00	17.48	100.0	V	34.0	-4.4

1GHz - 18GHz
Note: The highest waveform in the figure is Bluetooth Fundamental.

EUT Information

EUT Name:	OpenRun Air 2
Model:	SHOKZ S610
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	27227850/A004246001-015
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

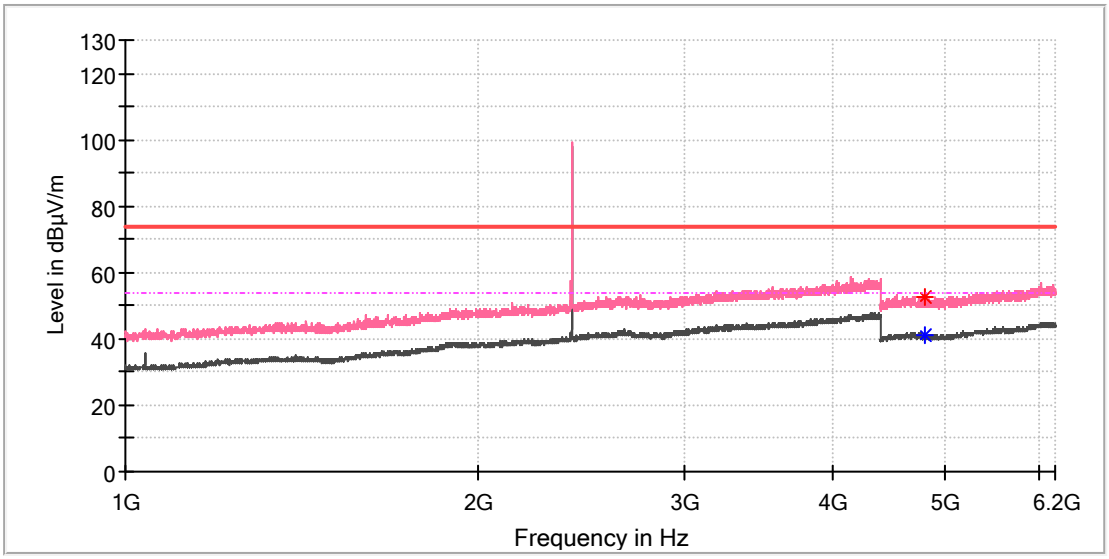


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4802.500000	52.18	---	74.00	21.82	150.0	H	207.0	13.3
4804.000000	---	40.93	54.00	13.07	150.0	H	49.0	13.3

EUT Information

EUT Name:	OpenRun Air 2
Model:	SHOKZ S610
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	27227850/A004246001-015
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

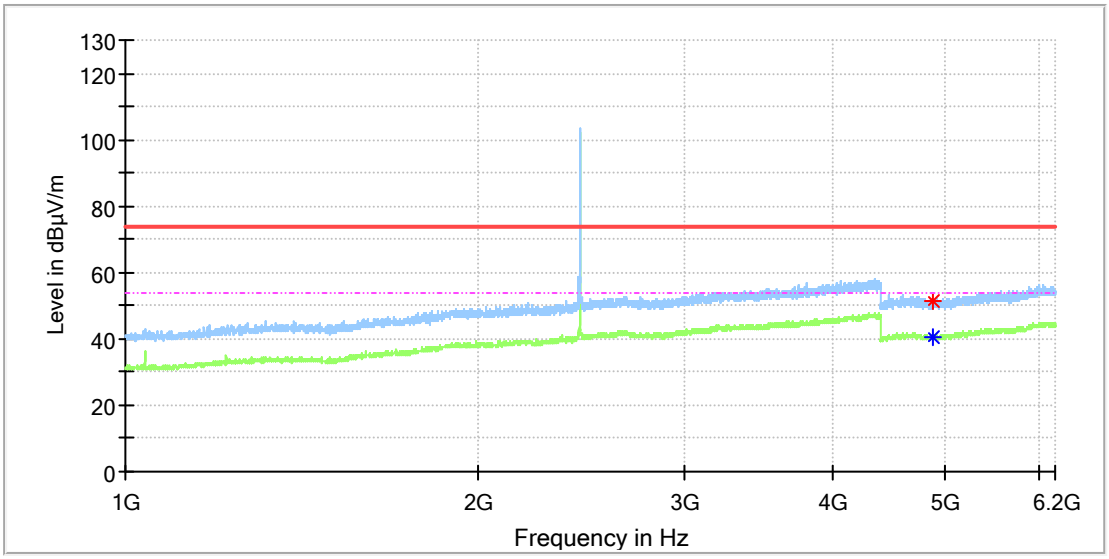


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4802.000000	52.57	---	74.00	21.43	150.0	V	312.0	13.3
4804.000000	---	40.93	54.00	13.07	150.0	V	208.0	13.3

EUT Information

EUT Name:	OpenRun Air 2
Model:	SHOKZ S610
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	27227850/A004246001-015
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

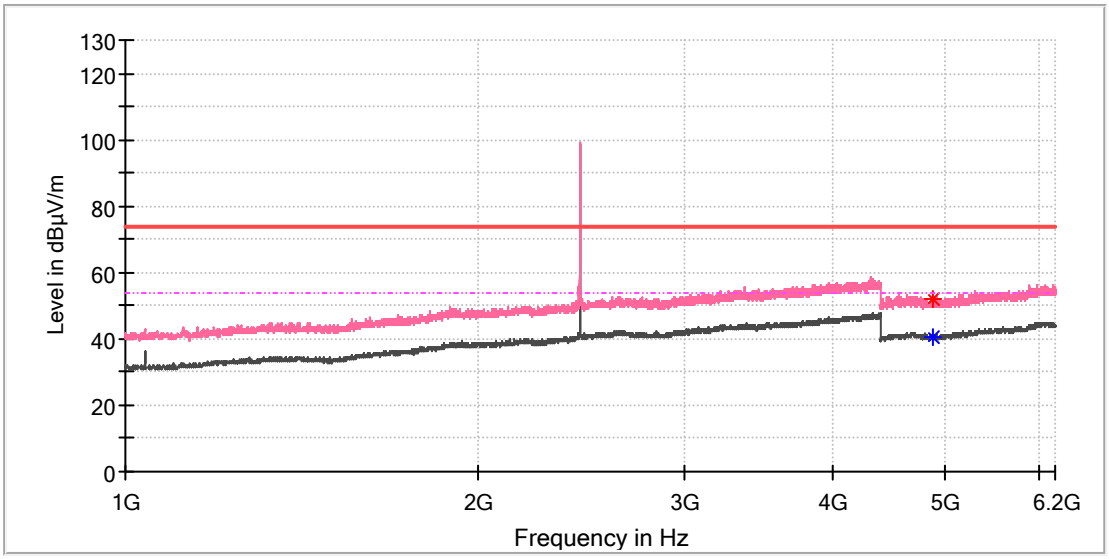


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4878.500000	51.22	---	74.00	22.78	150.0	H	111.0	13.3
4880.500000	---	40.61	54.00	13.39	150.0	H	297.0	13.3

EUT Information

EUT Name:	OpenRun Air 2
Model:	SHOKZ S610
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	27227850/A004246001-015
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

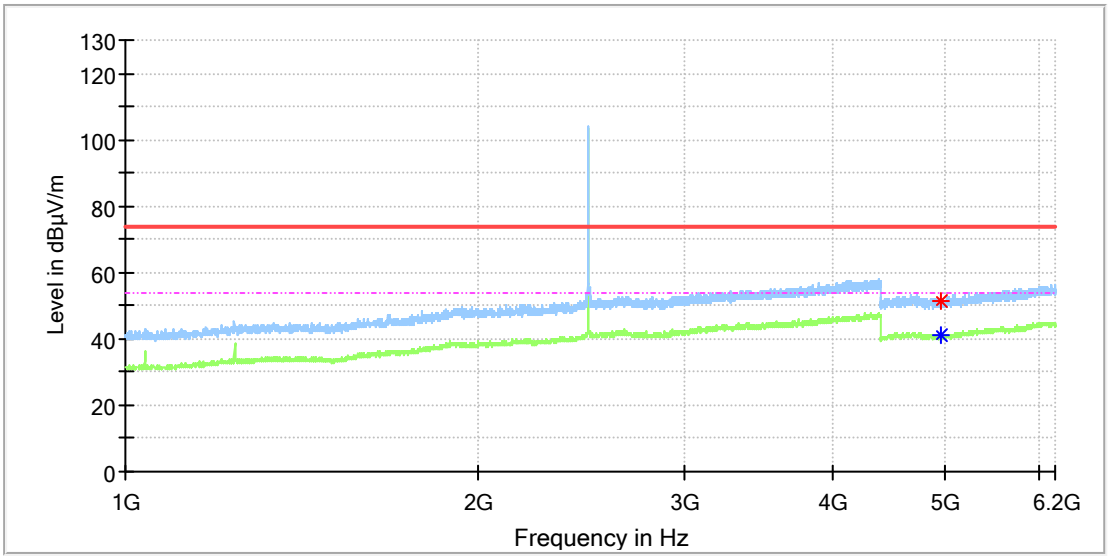


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4878.500000	51.85	---	74.00	22.15	150.0	V	293.0	13.3
4879.500000	---	40.51	54.00	13.49	150.0	V	117.0	13.3

EUT Information

EUT Name:	OpenRun Air 2
Model:	SHOKZ S610
Test Mode:	BLE 1M_High channel
Order No/Sample No:	27227850/A004246001-015
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

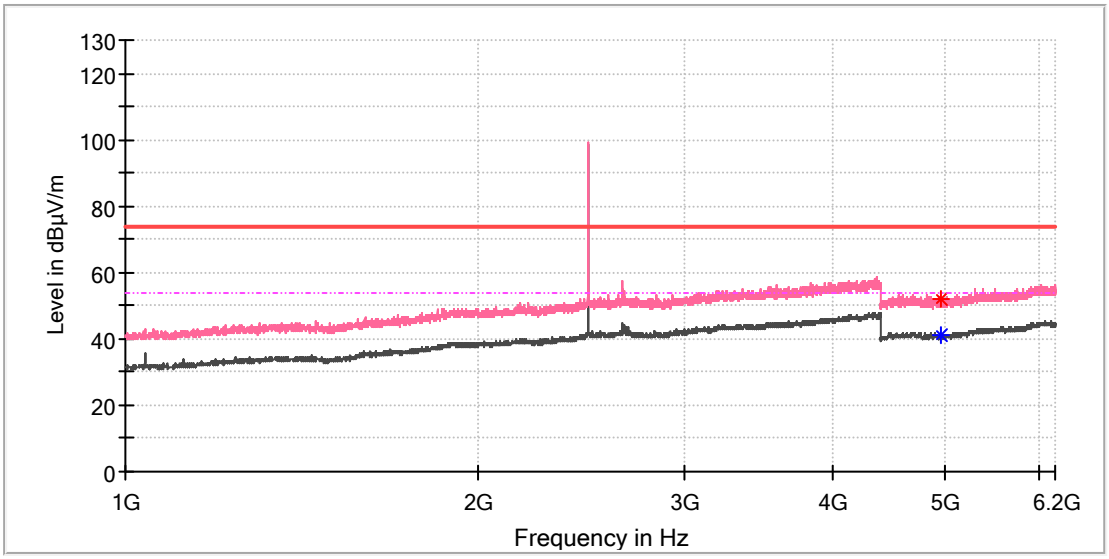


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4959.500000	---	41.03	54.00	12.97	150.0	H	218.0	13.3
4959.500000	51.34	---	74.00	22.66	150.0	H	218.0	13.3

EUT Information

EUT Name:	OpenRun Air 2
Model:	SHOKZ S610
Test Mode:	BLE 1M_High channel
Order No/Sample No:	27227850/A004246001-015
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

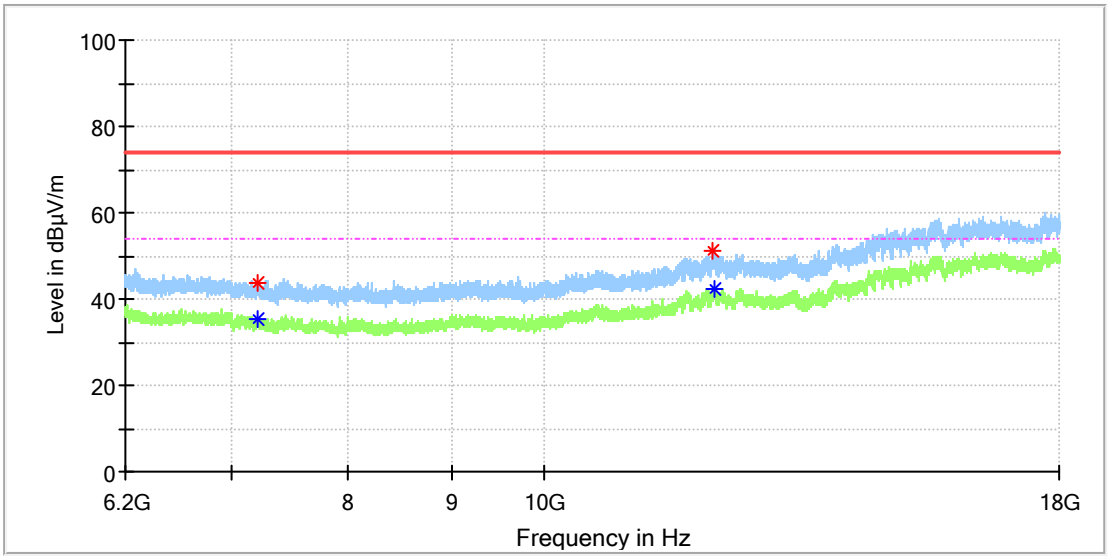


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4958.000000	---	41.02	54.00	12.98	150.0	V	131.0	13.3
4959.000000	51.98	---	74.00	22.02	150.0	V	137.0	13.3

EUT Information

EUT Name:	OpenRun Air 2
Model:	SHOKZ S610
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	27227850/A004246001-015
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

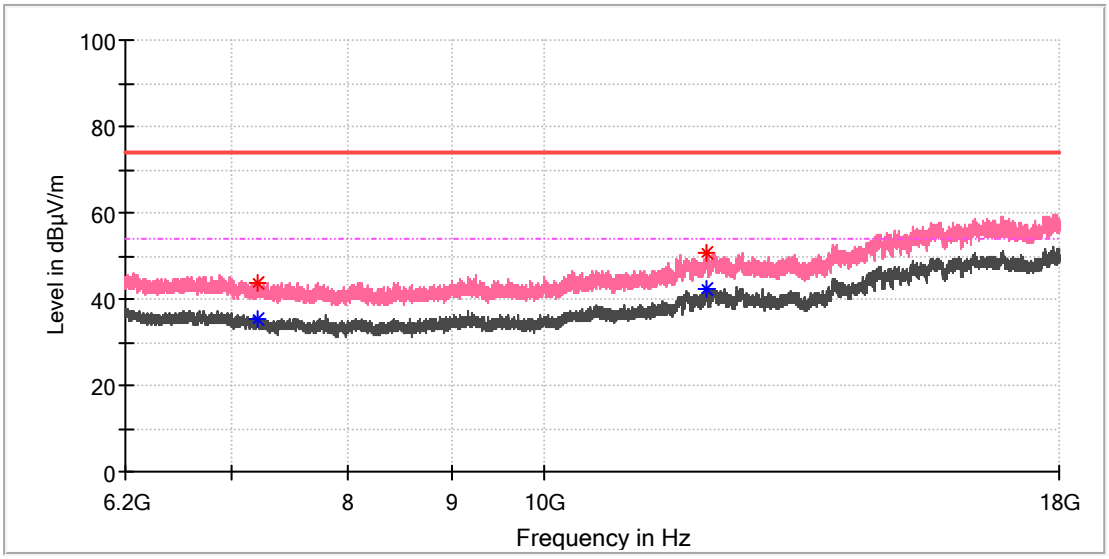


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7204.966667	---	35.45	54.00	18.55	150.0	H	5.0	8.8
7206.441667	43.92	---	74.00	30.08	150.0	H	107.0	8.8
12131.466667	51.35	---	74.00	22.65	150.0	H	0.0	16.2
12144.741667	---	42.47	54.00	11.53	150.0	H	185.0	16.6

EUT Information

EUT Name:	OpenRun Air 2
Model:	SHOKZ S610
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	27227850/A004246001-015
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

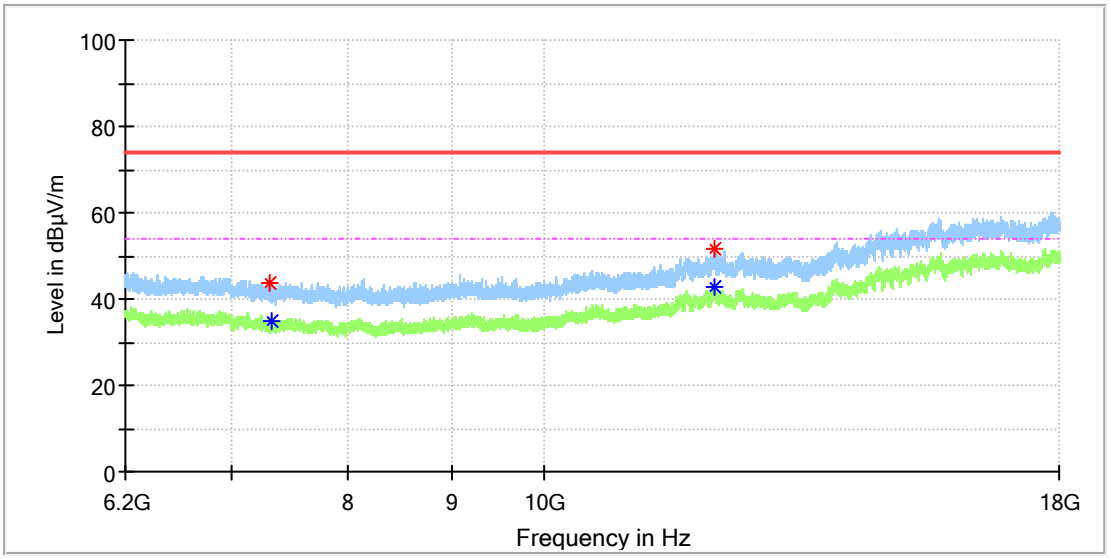


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7202.508333	---	35.55	54.00	18.45	150.0	V	134.0	8.8
7204.966667	43.95	---	74.00	30.05	150.0	V	5.0	8.8
12027.725000	50.90	---	74.00	23.10	150.0	V	78.0	15.9
12045.916667	---	42.44	54.00	11.57	150.0	V	134.0	16.3

EUT Information

EUT Name:	OpenRun Air 2
Model:	SHOKZ S610
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	27227850/A004246001-015
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

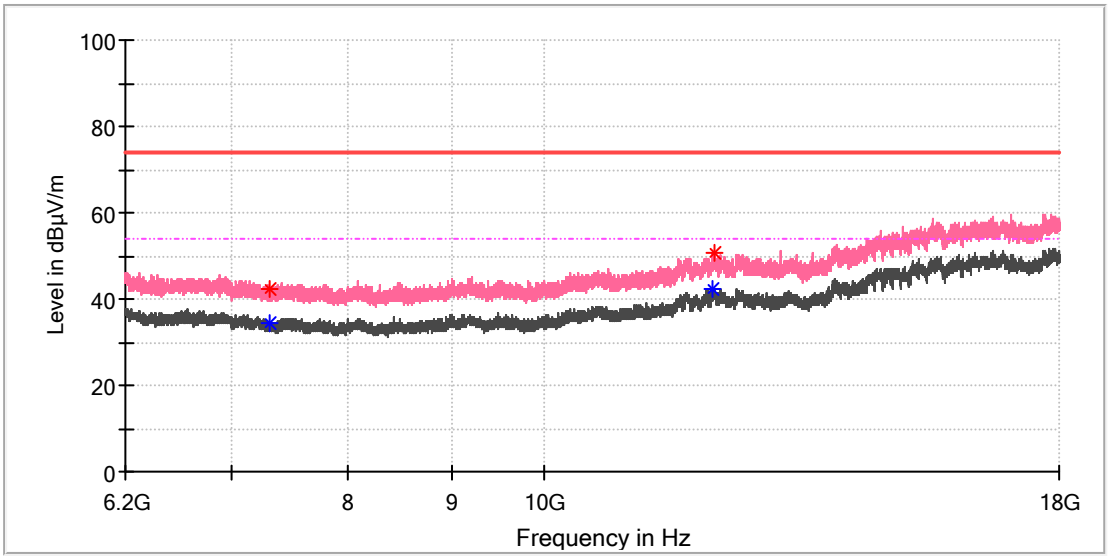


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7317.558333	43.51	---	74.00	30.49	150.0	H	154.0	8.2
7323.458333	---	35.07	54.00	18.93	150.0	H	68.0	8.2
12131.958333	---	42.60	54.00	11.40	150.0	H	6.0	16.3
12153.591667	51.52	---	74.00	22.48	150.0	H	122.0	16.5

EUT Information

EUT Name:	OpenRun Air 2
Model:	SHOKZ S610
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	27227850/A004246001-015
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

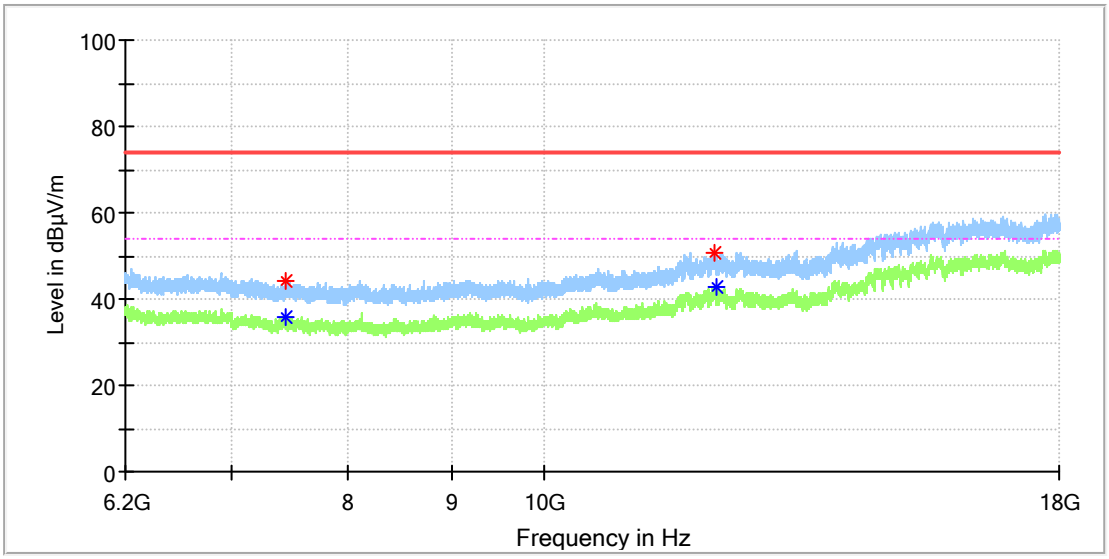


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7316.083333	42.31	---	74.00	31.69	150.0	V	121.0	8.2
7316.083333	---	34.61	54.00	19.39	150.0	V	121.0	8.2
12105.408333	---	42.39	54.00	11.61	150.0	V	78.0	15.6
12138.350000	50.56	---	74.00	23.44	150.0	V	326.0	16.4

EUT Information

EUT Name:	OpenRun Air 2
Model:	SHOKZ S610
Test Mode:	BLE 1M_High channel
Order No/Sample No:	27227850/A004246001-015
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

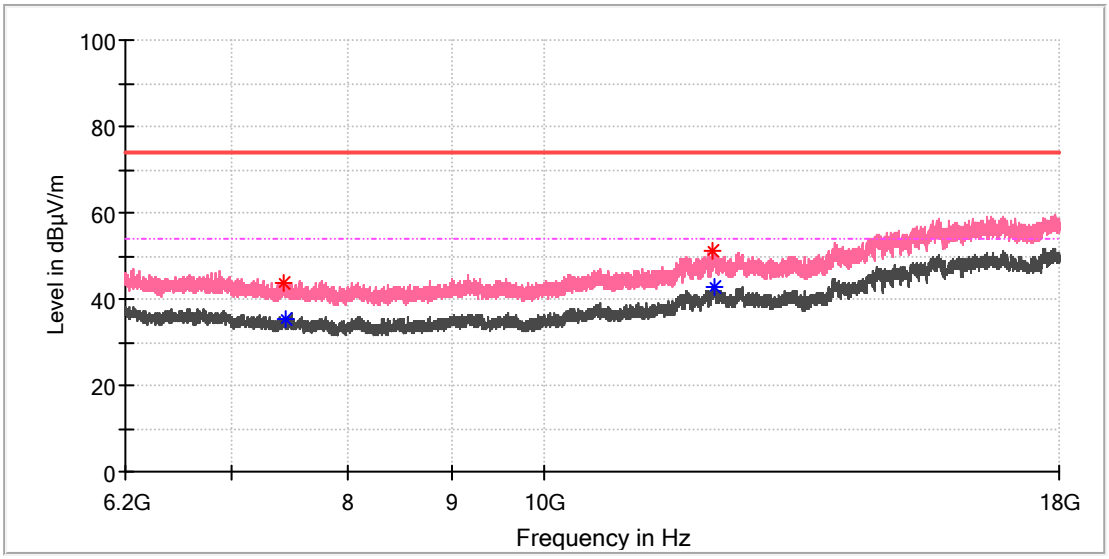


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7440.475000	---	35.79	54.00	18.21	150.0	H	343.0	8.4
7443.916667	44.12	---	74.00	29.88	150.0	H	165.0	8.5
12150.150000	50.48	---	74.00	23.52	150.0	H	165.0	16.7
12160.966667	---	42.69	54.00	11.31	150.0	H	155.0	16.2

EUT Information

EUT Name:	OpenRun Air 2
Model:	SHOKZ S610
Test Mode:	BLE 1M_High channel
Order No/Sample No:	27227850/A004246001-015
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



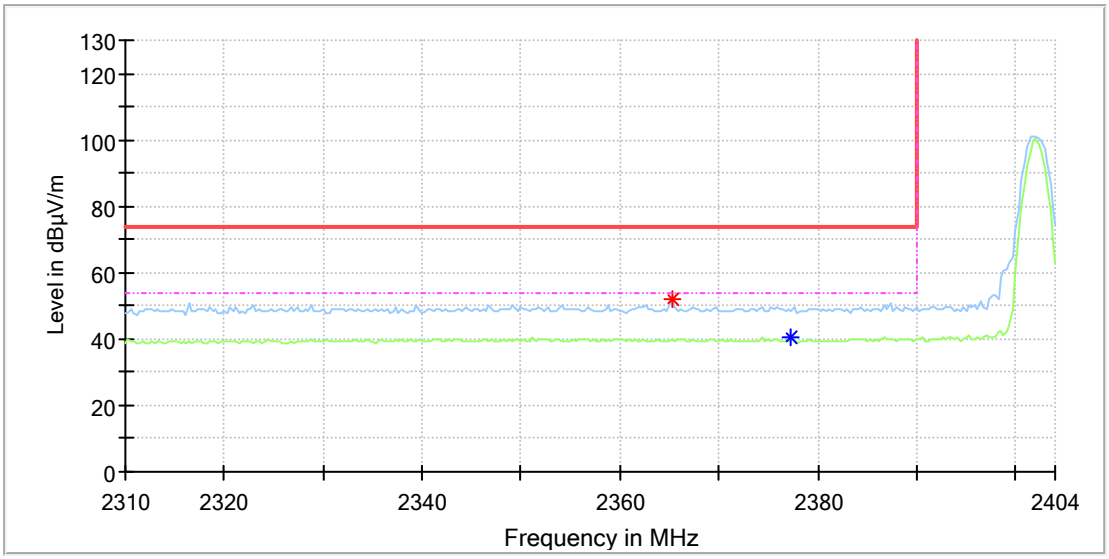
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7431.625000	43.63	---	74.00	30.37	150.0	V	222.0	8.4
7444.408333	---	35.33	54.00	18.67	150.0	V	351.0	8.5
12121.633333	51.37	---	74.00	22.63	150.0	V	187.0	16.0
12150.641667	---	42.88	54.00	11.12	150.0	V	340.0	16.7

Appendix B.6: Test Results of Radiated Emissions in Restricted Bands, for OpenRun Air 2

EUT Information

EUT Name:	OpenRun Air 2
Model:	SHOKZ S610
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	27227850/A004246001-015
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

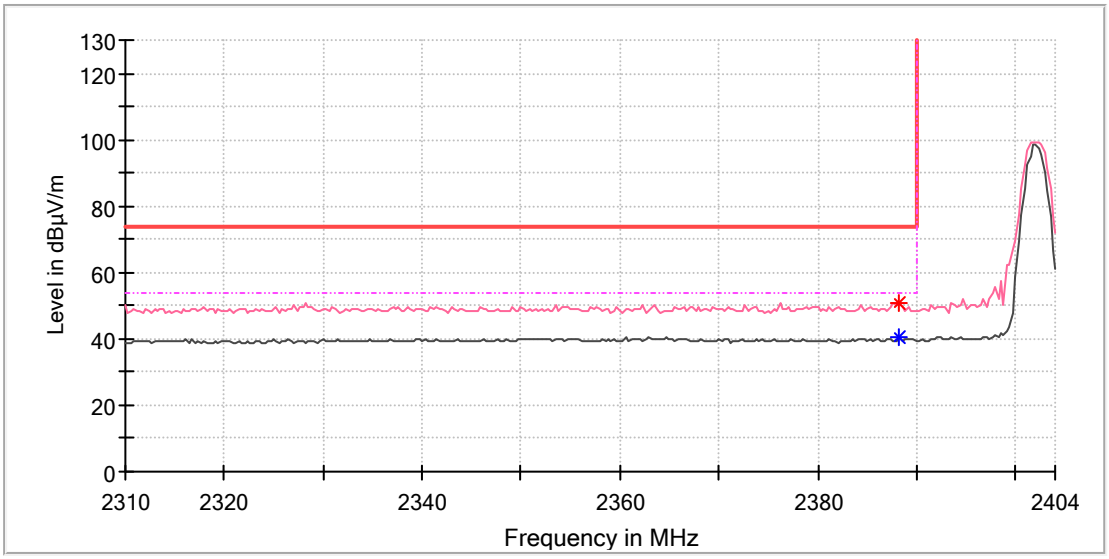


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2365.294118	52.26	---	74.00	21.74	150.0	H	228.0	8.5
2377.352941	---	40.69	54.00	13.31	150.0	H	10.0	8.5

EUT Information

EUT Name:	OpenRun Air 2
Model:	SHOKZ S610
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	27227850/A004246001-015
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

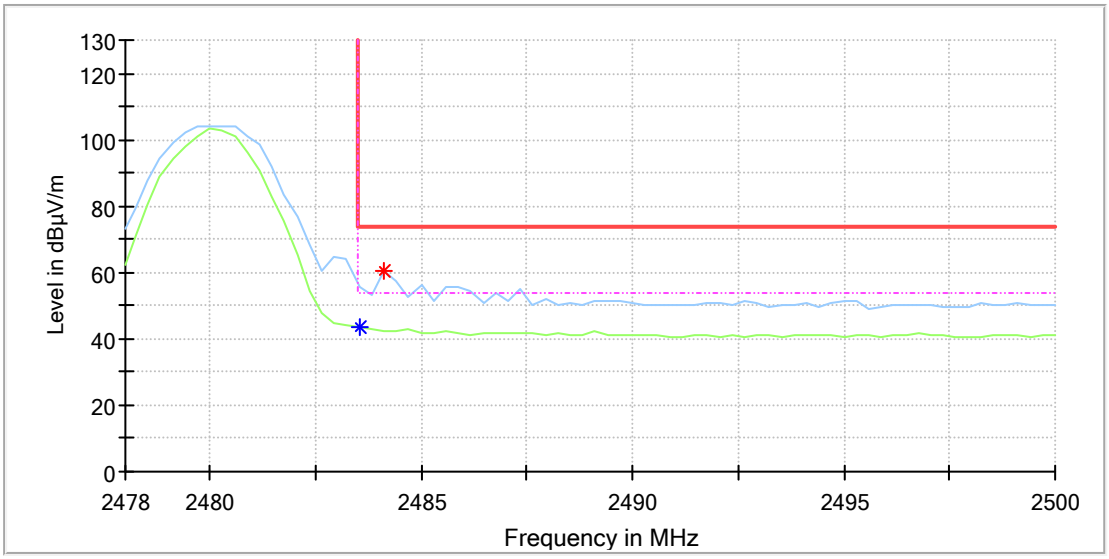


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2388.235294	---	40.52	54.00	13.48	150.0	V	0.0	8.5
2388.235294	50.68	---	74.00	23.32	150.0	V	0.0	8.5

EUT Information

EUT Name:	OpenRun Air 2
Model:	SHOKZ S610
Test Mode:	BLE 1M_High channel
Order No/Sample No:	27227850/A004246001-015
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

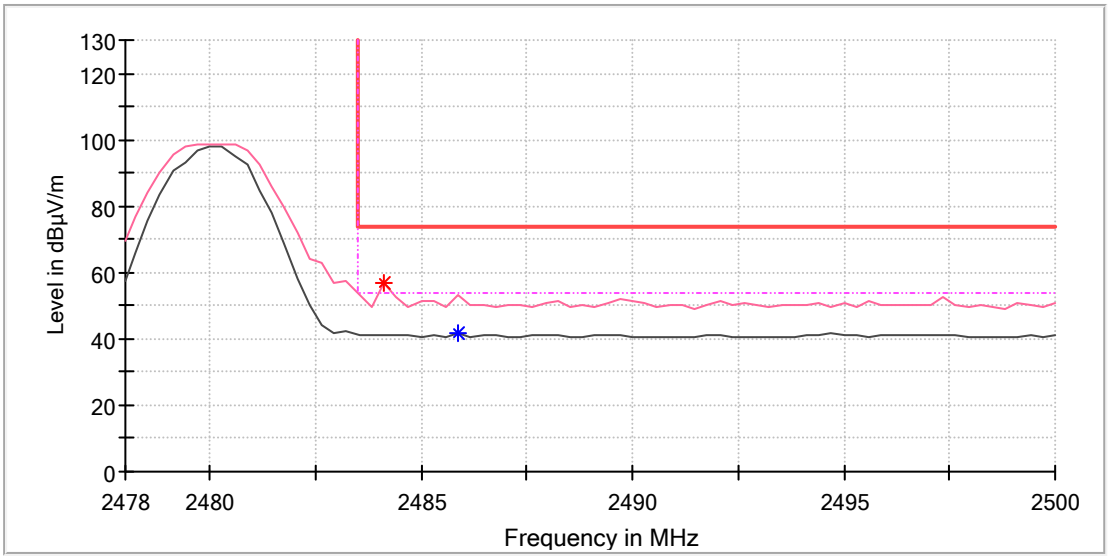


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.529412	---	43.56	54.00	10.44	150.0	H	10.0	9.0
2484.117647	60.54	---	74.00	13.46	150.0	H	10.0	9.0

EUT Information

EUT Name:	OpenRun Air 2
Model:	SHOKZ S610
Test Mode:	BLE 1M_High channel
Order No/Sample No:	27227850/A004246001-015
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

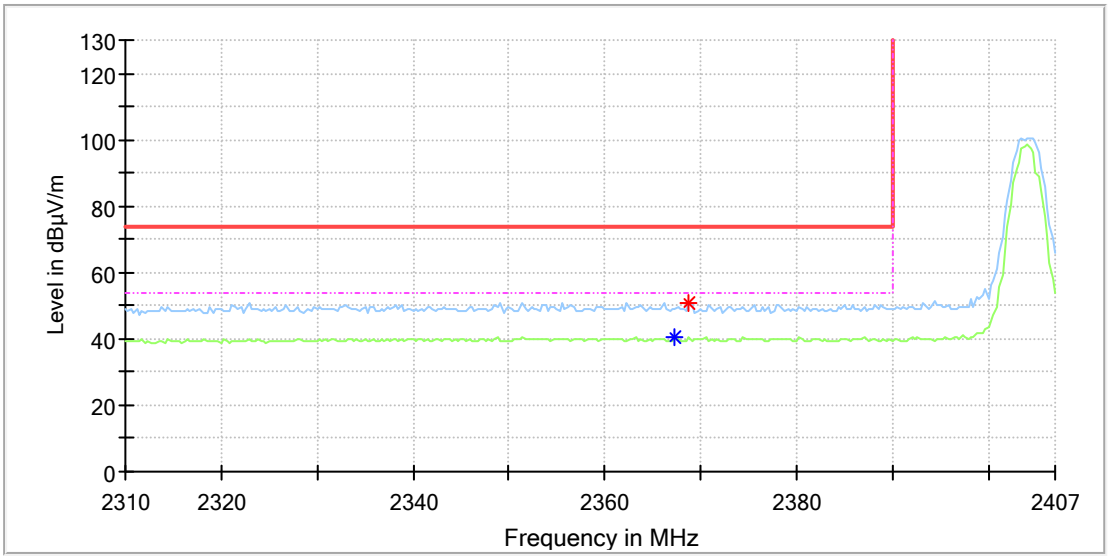


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.117647	57.01	---	74.00	16.99	150.0	V	326.0	9.0
2485.882353	---	41.82	54.00	12.18	150.0	V	333.0	9.0

EUT Information

EUT Name:	OpenRun Air 2
Model:	SHOKZ S610
Test Mode:	BLE 2M_Low channel
Order No/Sample No:	27227850/A004246001-015
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

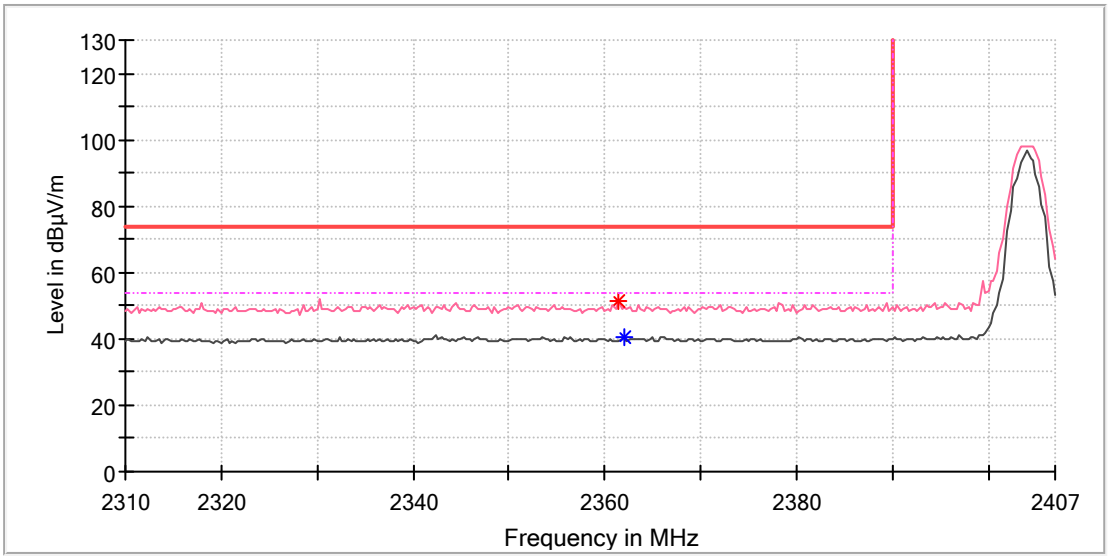


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2367.352941	---	40.21	54.00	13.79	150.0	H	199.0	8.5
2368.823529	50.92	---	74.00	23.08	150.0	H	58.0	8.5

EUT Information

EUT Name:	OpenRun Air 2
Model:	SHOKZ S610
Test Mode:	BLE 2M_Low channel
Order No/Sample No:	27227850/A004246001-015
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

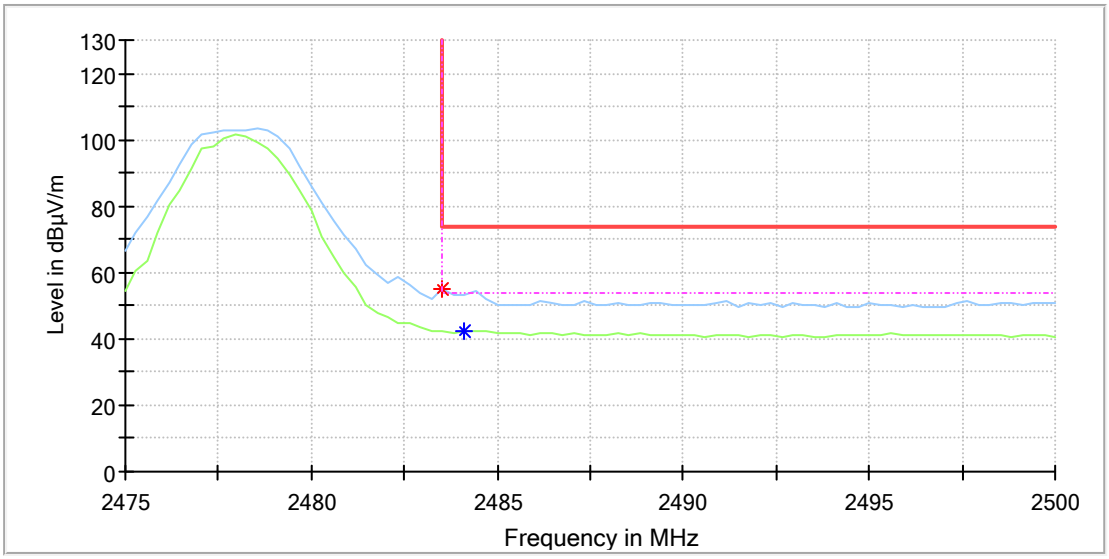


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2361.470588	51.38	---	74.00	22.62	150.0	V	333.0	8.5
2362.058824	---	40.63	54.00	13.37	150.0	V	0.0	8.5

EUT Information

EUT Name:	OpenRun Air 2
Model:	SHOKZ S610
Test Mode:	BLE 2M_High channel
Order No/Sample No:	27227850/A004246001-015
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

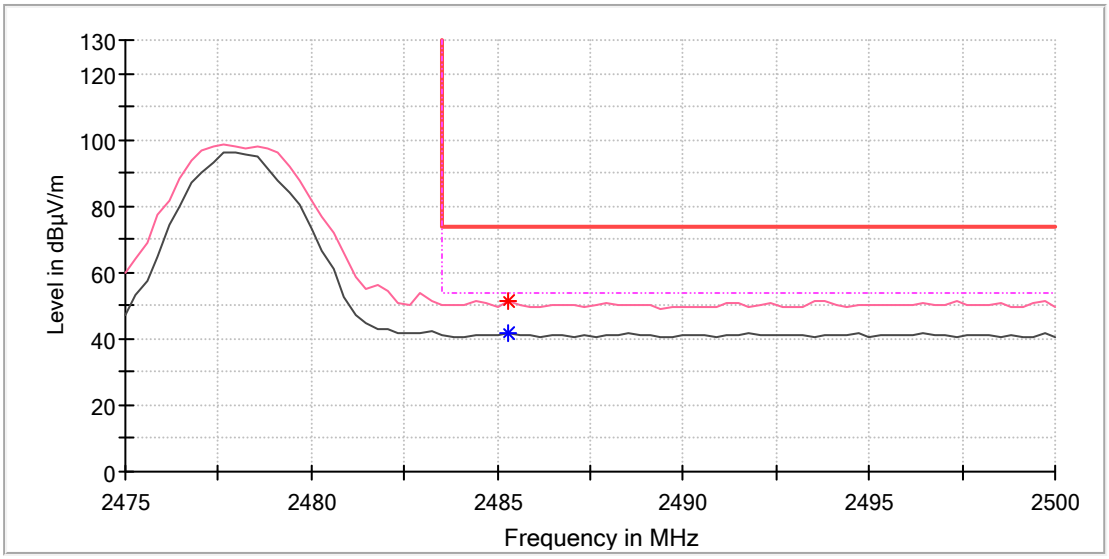


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.529412	55.15	---	74.00	18.85	150.0	H	248.0	9.0
2484.117647	---	42.29	54.00	11.71	150.0	H	101.0	9.0

EUT Information

EUT Name:	OpenRun Air 2
Model:	SHOKZ S610
Test Mode:	BLE 2M_High channel
Order No/Sample No:	27227850/A004246001-015
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:54%
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)
2485.294118	---	41.82	54.00	12.18	150.0	V	320.0	9.0
2485.294118	51.39	---	74.00	22.61	150.0	V	320.0	9.0

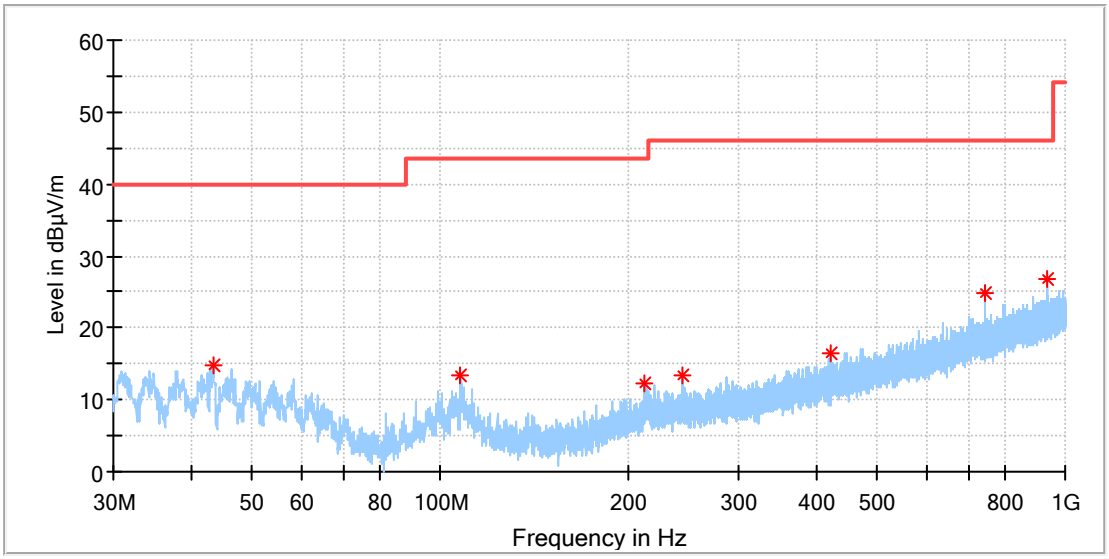
Appendix B.7: Test Results of Radiated Spurious Emissions, for OpenRun Air 2 Mini

Note: 1. 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. 2. This testing was carried out on different modulations, but only the worst case (GFSK) was presented in this report.

30MHz - 1GHz

EUT Information

EUT Name:	OpenRun Air 2 Mini
Model:	SHOKZ S611
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	27227850/A004253897-004
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

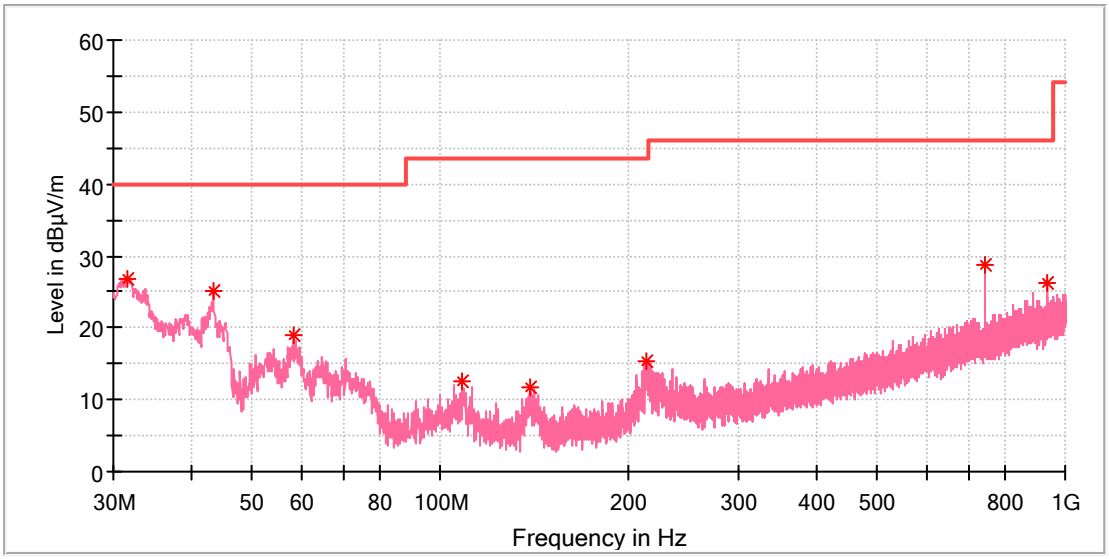


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
43.256667	14.90	40.00	25.10	100.0	H	331.0	-19.3
107.977222	13.33	43.50	30.17	100.0	H	358.0	-19.1
212.575556	12.41	43.50	31.09	100.0	H	37.0	-18.8
243.453889	13.26	46.00	32.74	100.0	H	346.0	-17.6
422.742222	16.59	46.00	29.41	100.0	H	12.0	-13.2
742.518889	24.75	46.00	21.25	100.0	H	323.0	-7.2
936.950000	26.75	46.00	19.25	100.0	H	122.0	-4.4

EUT Information

EUT Name:	OpenRun Air 2 Mini
Model:	SHOKZ S611
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	27227850/A004253897-004
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



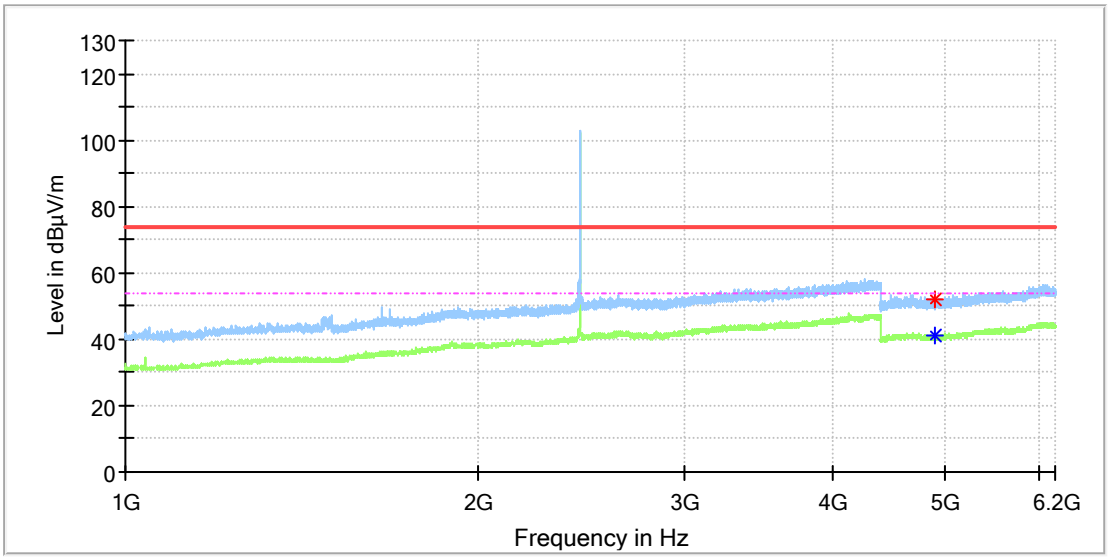
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
31.508889	26.72	40.00	13.28	100.0	V	6.0	-22.8
43.364444	25.10	40.00	14.90	100.0	V	25.0	-19.3
58.183889	19.06	40.00	20.94	100.0	V	19.0	-18.9
108.354444	12.56	43.50	30.94	100.0	V	229.0	-19.1
139.717778	11.73	43.50	31.77	100.0	V	213.0	-22.3
214.461667	15.46	43.50	28.04	100.0	V	154.0	-18.8
742.518889	28.77	46.00	17.23	100.0	V	101.0	-7.2
938.405000	26.13	46.00	19.87	100.0	V	93.0	-4.4

1GHz - 18GHz
Note: The highest waveform in the figure is Bluetooth Fundamental.

EUT Information

EUT Name:	OpenRun Air 2 Mini
Model:	SHOKZ S611
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	27227850/A004253897-004
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

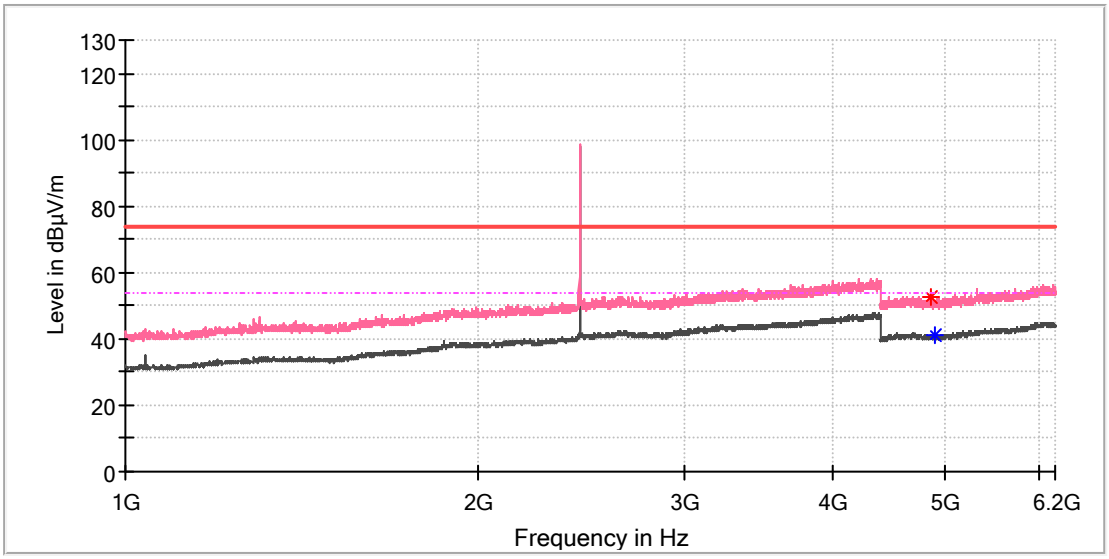


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4901.500000	52.19	---	74.00	21.81	150.0	H	322.0	13.3
4905.000000	---	41.14	54.00	12.86	150.0	H	17.0	13.3

EUT Information

EUT Name:	OpenRun Air 2 Mini
Model:	SHOKZ S611
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	27227850/A004253897-004
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

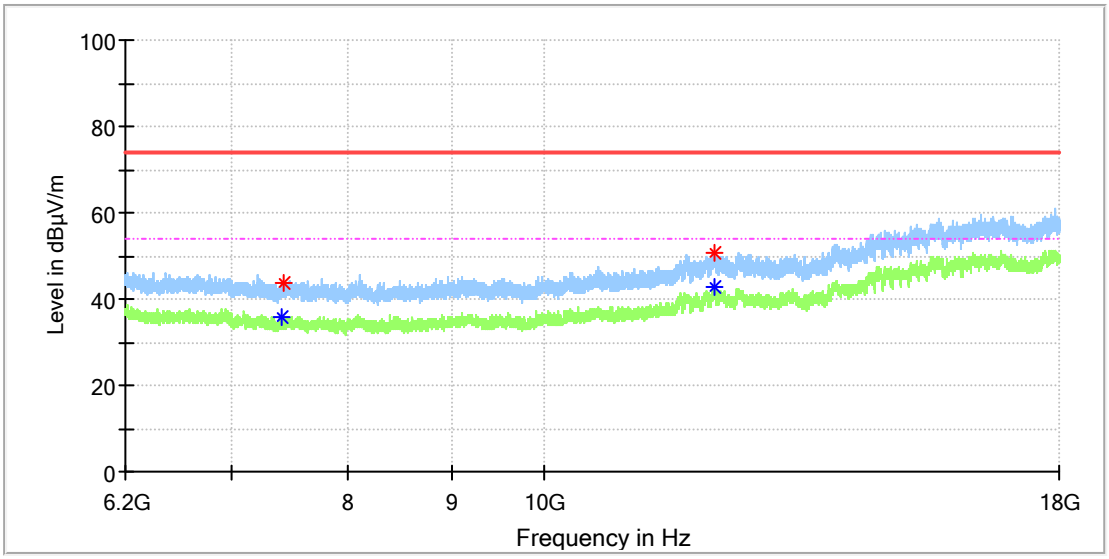


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4865.500000	52.61	---	74.00	21.39	150.0	V	128.0	13.3
4905.000000	---	41.09	54.00	12.91	150.0	V	142.0	13.3

EUT Information

EUT Name:	OpenRun Air 2 Mini
Model:	SHOKZ S611
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	27227850/A004253897-004
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

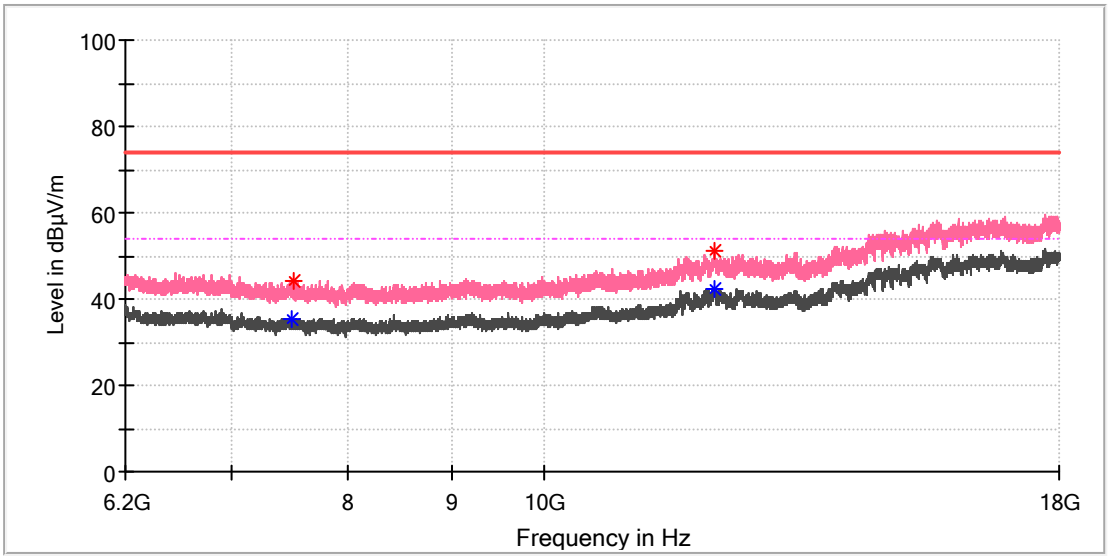


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7409.008333	---	36.00	54.00	18.00	150.0	H	122.0	8.3
7422.283333	43.89	---	74.00	30.11	150.0	H	169.0	8.4
12135.400000	---	42.87	54.00	11.13	150.0	H	38.0	16.3
12152.116667	50.77	---	74.00	23.23	150.0	H	342.0	16.6

EUT Information

EUT Name:	OpenRun Air 2 Mini
Model:	SHOKZ S611
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	27227850/A004253897-004
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



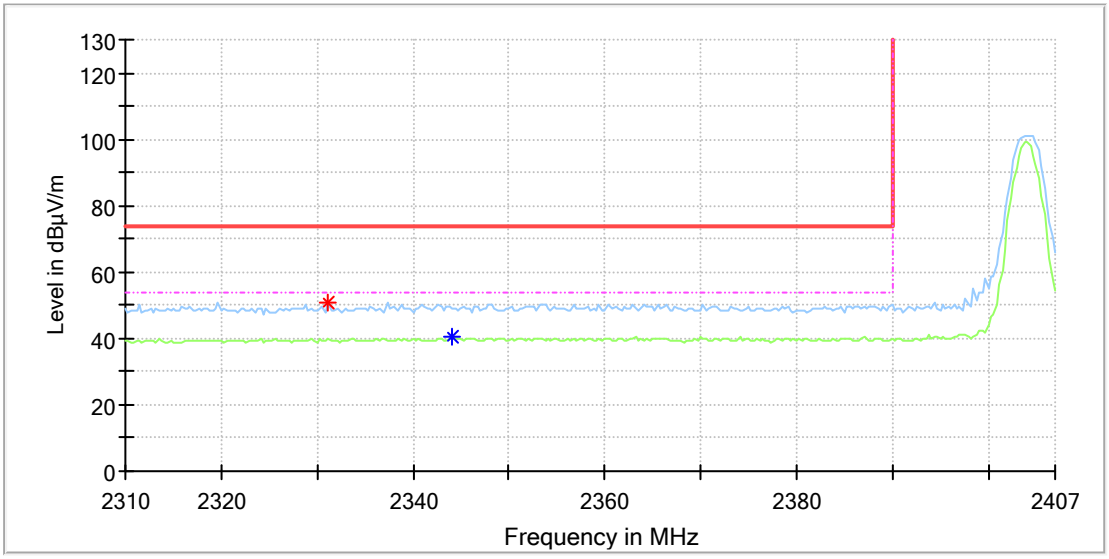
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7490.133333	---	35.54	54.00	18.46	150.0	V	185.0	8.7
7518.158333	44.18	---	74.00	29.82	150.0	V	350.0	8.7
12143.266667	51.33	---	74.00	22.67	150.0	V	0.0	16.6
12157.525000	---	42.36	54.00	11.64	150.0	V	185.0	16.3

Appendix B.8: Test Results of Radiated Emissions in Restricted Bands, for OpenRun Air 2 Mini

EUT Information

EUT Name:	OpenRun Air 2 Mini
Model:	SHOKZ S611
Test Mode:	BLE 2M_Low channel
Order No/Sample No:	27227850/A004253897-004
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

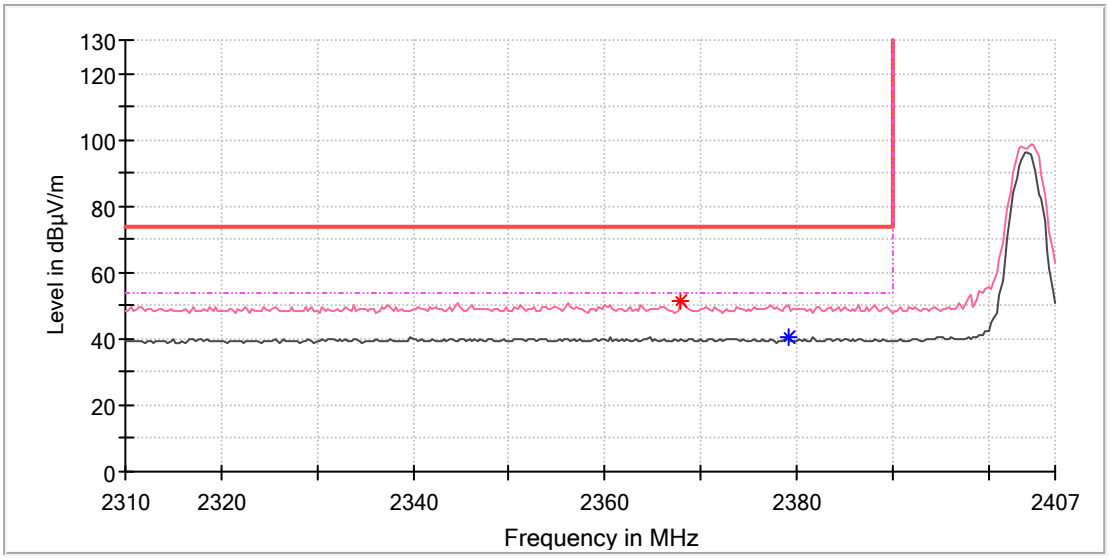


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2331.176471	50.67	---	74.00	23.33	150.0	H	289.0	8.3
2344.117647	---	40.24	54.00	13.76	150.0	H	306.0	8.4

EUT Information

EUT Name:	OpenRun Air 2 Mini
Model:	SHOKZ S611
Test Mode:	BLE 2M_Low channel
Order No/Sample No:	27227850/A004253897-004
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

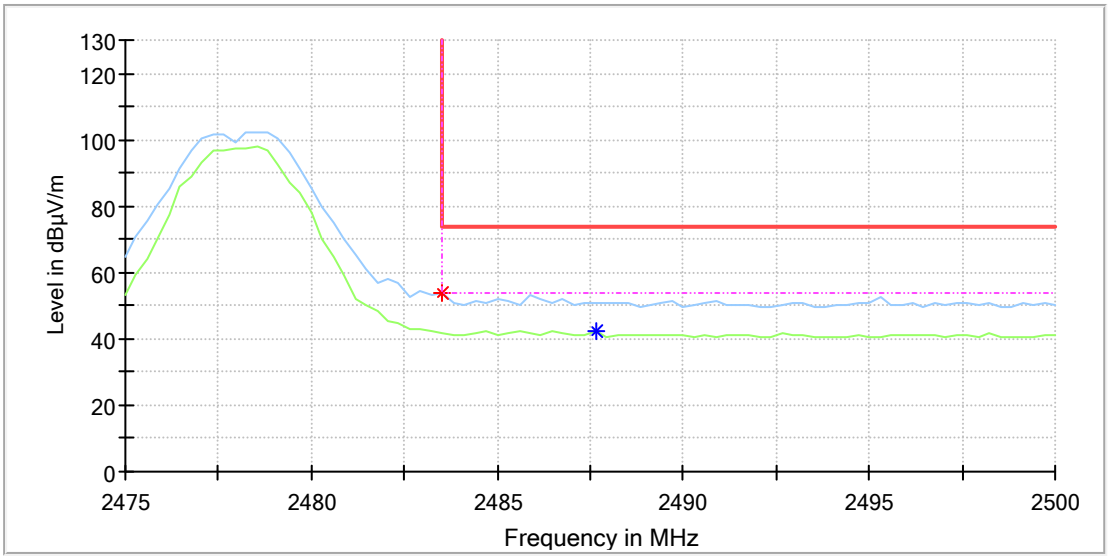


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2367.941177	51.13	---	74.00	22.87	150.0	V	118.0	8.5
2379.117647	---	40.67	54.00	13.33	150.0	V	36.0	8.5

EUT Information

EUT Name:	OpenRun Air 2 Mini
Model:	SHOKZ S611
Test Mode:	BLE 2M_High channel
Order No/Sample No:	27227850/A004253897-004
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

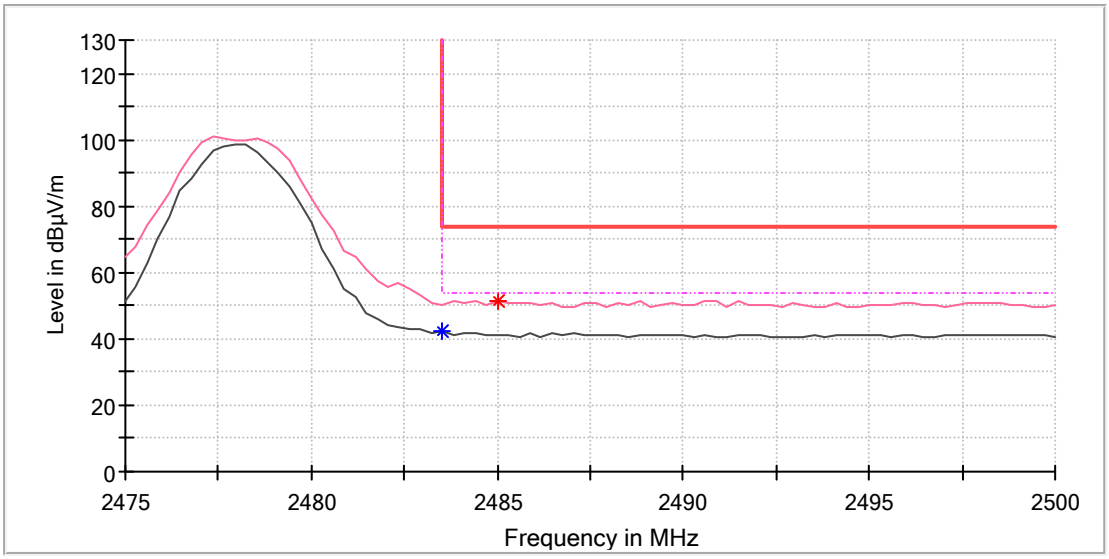


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.529412	53.85	---	74.00	20.15	150.0	H	0.0	9.0
2487.647059	---	42.48	54.00	11.52	150.0	H	243.0	9.0

EUT Information

EUT Name:	OpenRun Air 2 Mini
Model:	SHOKZ S611
Test Mode:	BLE 2M_High channel
Order No/Sample No:	27227850/A004253897-004
Test Voltage::	DC 5V From USB
Remark:	Temp 23 Humi:54%
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)
2483.529412	---	42.11	54.00	11.89	150.0	V	349.0	9.0
2485.000000	51.59	---	74.00	22.41	150.0	V	343.0	9.0