

Prüfbericht-Nr.: Test report no.:	CN26FBZZ 001	Auftrags-Nr.: Order no.:	27243298	Page 1 of 23 Seite 1 von 23
Kunden-Referenz-Nr.: Client reference no.:	N/A	Auftragsdatum: Order date:	2026-06-23	
Auftraggeber: Client:	SHOKZ (SINGAPORE) PTE. LTD. 11 NORTH BUONA VISTA DRIVE #16-09 THE METROPOLIS, SINGAPORE 138589, Singapore			
Prüfgegenstand: Test item:	OPENFIT 2 AI			
Bezeichnung / Typ-Nr.: Identification / Type no.:	SHOKZ T922 (Trademark: SHOKZ)			
Auftrags-Inhalt: Order content:	Type test			
Prüfgrundlage: Test specification:	CFR47 FCC Part 15: Subpart C Section 15.247 RSS-247 Issue 4 July 24, 2025 CFR47 FCC Part 15: Subpart C Section 15.209 RSS-Gen Issue 5 February 2021			
Wareneingangsdatum: Date of sample receipt:	2026-06-24	Refer to photos document		
Prüfmuster-Nr.: Test sample no.:	A004314451			
Prüfzeitraum: Testing period:	2026-06-24 – 2026-07-20			
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:			genehmigt von: authorized by:	
Datum: Date:	2026-08-03 Signed by: Harry W. C. Wu		Ausstellungsdatum: Issue date:	2026-08-03 Signed by: Alex Lan
Stellung / Position:	Project Manager		Stellung / Position:	Authorizer
Sonstiges / Other:	FCC ID: 2BCD6-T922			
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				
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>				

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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. <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> <i>Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden.</i>
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3	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. <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>
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. <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>

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Test Summary

5.1.1 ANTENNA REQUIREMENT

RESULT: Pass

5.1.2 MAXIMUM CONDUCTED OUTPUT POWER

RESULT: Pass

5.1.3 99% BANDWIDTH

RESULT: Pass

5.1.4 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 kHz BANDWIDTH

RESULT: Pass

5.1.5 RADIATED SPURIOUS EMISSION

RESULT: Pass

5.1.6 20dB BANDWIDTH

RESULT: Pass

5.1.7 CARRIER FREQUENCY SEPARATION

RESULT: Pass

5.1.8 NUMBER OF HOPPING FREQUENCY

RESULT: Pass

5.1.9 TIME OF OCCUPANCY

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 Classic Bluetooth (left earbud).

Appendix C: Test Results of Classic Bluetooth (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

Radio Spectrum Testing				
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	YLY23JMF	N/A
Humid & Temp Programmable Tester	BOST	NTH090-60	19040801	01.02.2027
Unwanted Emission Testing				
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

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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.

3 General Product Information

3.1 Product Function and Intended Use

The EUTs are True Wireless Stereo Earbuds, which consist of a left earbud, a right earbud and a charging box, the left & right earbuds support Bluetooth dual mode wireless technology.

Note: The left and right earbuds share the same Schematics, the PCB layout is different Full test performed on right earbud and left earbud.
This report is for earbuds with Bluetooth function.

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	OPENFIT 2 AI
Type Designation	SHOKZ T922
Trademark	SHOKZ
FCC ID	2BCD6-T922
Extreme Temperature Range	0°C to +40°C
Operating Voltage (for earbuds):	Internal battery operated (3.85Vdc)
Technical Specification of Classical Bluetooth	
Operating Frequency band	2402 ~ 2480 MHz
Channel Number	79 channels
Channel separation	1MHz
Modulation	GFSK, $\pi/4$ DQPSK, 8DPSK
Antenna Type	Integral Antenna
Antenna Gain	-3.67 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	Integral Antenna
Antenna Gain	-3.67 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

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3.3 Independent Operation Modes

The basic operation modes are:

- A. On
 - 1. Bluetooth transmitting mode (BR & EDR mode)
 - a) Low Channel
 - b) Middle Channel
 - c) High Channel

B. On, Transmitting on Hopping channel

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 | - FCC/IC Label and Location Info |
| - Block Diagram | - Photo Document |
| - Schematics | - User Manual |
| - Technical Description | |

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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.

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)

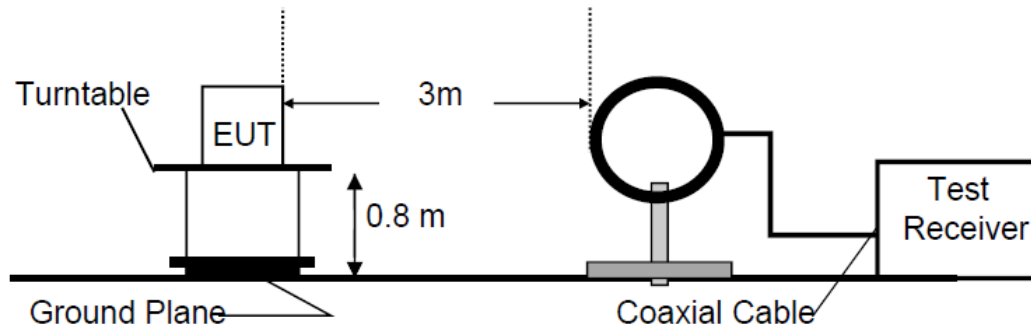


Diagram of Measurement Configuration for Radiation Test (Below 1GHz)

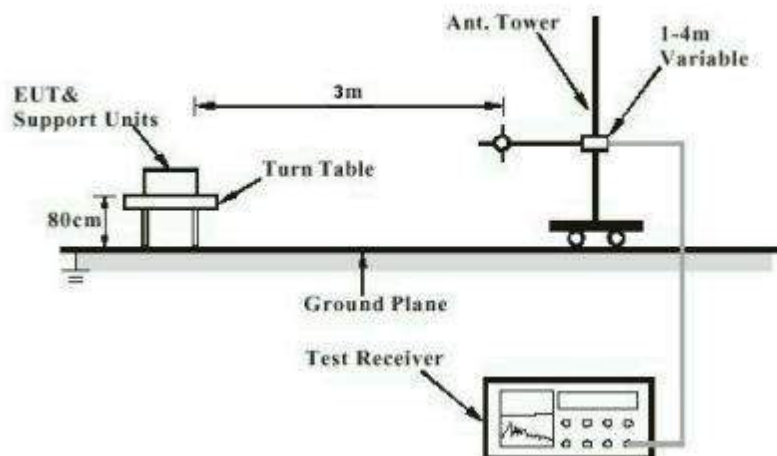
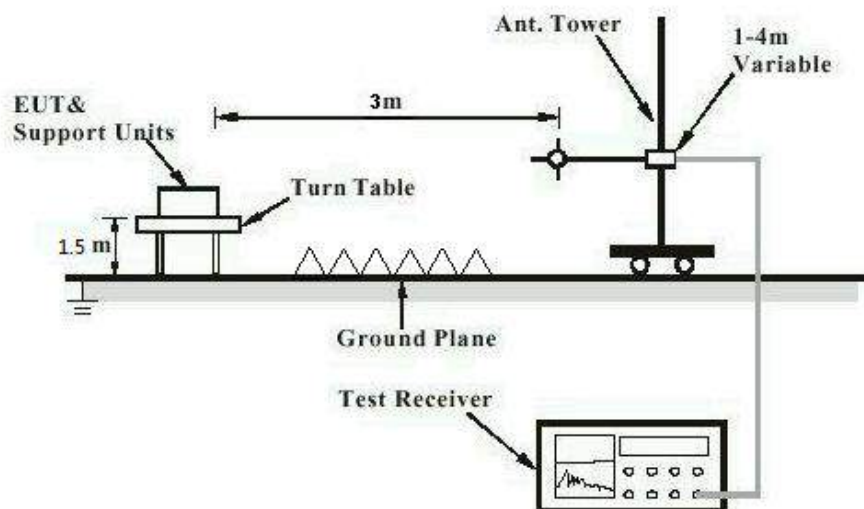


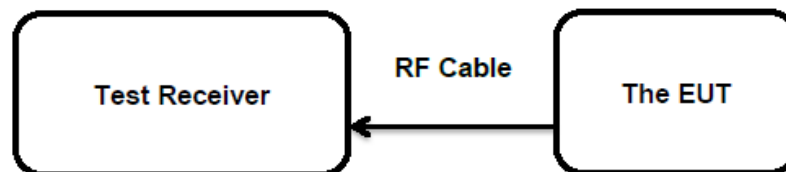
Diagram of Measurement Configuration for Radiation Test (Above 1GHz)



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

According to the manufacturer declared, the EUT has one integral antenna, the directional gain of antennas is -3.67 dBi for left and 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.

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5.1.2 Maximum Conducted Output Power

RESULT:
Pass
Test Specification

Test standard	FCC Part 15.247(b)(1) RSS-247 Clause 6.2.3.2
Basic standard	ANSI C63.10-2020, ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024
Limits	FHSS<0.125W(Maximum peak conducted output power) < 4 W (e.i.r.p.)
Kind of test site	Shielded Room

Test Setup

Date of testing	2026-06-23 to 2026-07-20
Input voltage	DC 3.85V
Operation mode	A.1
Test channel	Low / Middle / High
Ambient temperature	24.8 °C
Relative humidity	55 %
Atmospheric pressure	101 kPa

Table 6: Test Result of Maximum Conducted Output Power, left earbud

Test Mode	Channel Frequency (MHz)	Measured Peak Output Power		Limit (W)
		(dBm)	(W)	
BR	2402	15.58	0.03614	< 0.125
	2441	15.05	0.03199	
	2480	14.83	0.03041	
EDR	2402	15.50	0.03548	
	2441	14.91	0.03097	
	2480	14.76	0.02992	
Maximum Measured Value		15.58	0.03614	

Note: The cable loss is taken into account in results and the maximum e.i.r.p. is 11.91dBm less than 4W(36dBm).

Table 7: Test Result of Maximum Conducted Output Power, right earbud

Test Mode	Channel Frequency (MHz)	Measured Peak Output Power		Limit (W)
		(dBm)	(W)	
BR	2402	14.91	0.03097	< 0.125
	2441	14.36	0.02729	
	2480	14.14	0.02594	
EDR	2402	14.85	0.03055	
	2441	14.40	0.02754	
	2480	14.27	0.02673	
Maximum Measured Value		14.91	0.03097	

Note: The cable loss is taken into account in results and the maximum e.i.r.p. is 11.24dBm less than 4W(36dBm).

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5.1.3 99% 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 : 2026-06-23 to 2026-07-20
Input voltage : DC 3.85V
Operation mode : A.1
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&C.

Table 8: Test Result of 99% Bandwidth, left earbud

Test Mode	Channel Frequency (MHz)	Measured 99% Bandwidth	Limit
		(MHz)	
BR	2402	0.88067	/
	2441	0.90477	
	2480	0.90930	
EDR	2402	1.1699	/
	2441	1.1821	
	2480	1.1707	

Table 9: Test Result of 99% Bandwidth, right earbud

Test Mode	Channel Frequency (MHz)	Measured 99% Bandwidth	Limit
		(MHz)	
BR	2402	0.87499	/
	2441	0.89197	
	2480	0.86458	
EDR	2402	1.1804	/
	2441	1.1731	
	2480	1.1824	

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

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5.1.4 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);

Kind of test site : Shielded Room

Test Setup

Date of testing : 2026-06-23 to 2026-07-20

Input voltage : DC 3.85V

Operation mode : A.1

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 following test plot, and compliance is achieved as well.

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

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5.1.5 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 5~7
Kind of test site	: 3m Semi-anechoic Chamber

Test Setup

Date of testing	: 2026-06-23 to 2026-07-20
Input voltage	: DC 3.85V
Operation mode	: A.1
Test channel	: Low / Middle / High
Ambient temperature	: Refer to test result
Relative humidity	: Refer to test result
Atmospheric pressure	: 101 kPa

Remark:

During the pretest the EUT was rotated through three orthogonal axes to determine the attitude that maximizes the emissions. After that the EUT was manually handled to find the orientation that has the maximum emission, which is the orientation shown in the test set-up photos.

Testing was carried out within frequency range 9kHz to the tenth harmonics.

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

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5.1.6 20dB Bandwidth

RESULT:
Pass
Test Specification

Test standard : FCC Part 15.247(a)(1)
RSS-247 Clause 6.2.3.1

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 : 2026-06-23 to 2026-07-20

Input voltage : DC 3.85V

Operation mode : A.1

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&C.

Table 10: Test Result of -20dB Bandwidth, left earbud

Test Mode	Channel Frequency (MHz)	20dB Bandwidth (MHz)	2/3 of 20dB Bandwidth (MHz)	Limit (MHz)
BR	2402	0.993	0.662	/
	2441	1.023	0.682	
	2480	0.945	0.630	
EDR	2402	1.236	0.824	/
	2441	1.227	0.818	
	2480	1.257	0.838	

Table 11: Test Result of -20dB Bandwidth, right earbud

Test Mode	Channel Frequency (MHz)	20dB Bandwidth (MHz)	2/3 of 20dB Bandwidth (MHz)	Limit (MHz)
BR	2402	0.996	0.664	/
	2441	1.008	0.672	
	2480	0.972	0.648	
EDR	2402	1.248	0.832	/
	2441	1.239	0.826	
	2480	1.239	0.826	

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5.1.7 Carrier Frequency Separation

RESULT:
Pass
Test Specification

Test standard : FCC Part 15.247(a)(1)
RSS-247 Clause 6.2.3.1

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

Limits : $\geq 25\text{kHz}$ or 2/3 of 20dB bandwidth, whichever is greater

Kind of test site : Shielded Room

Test Setup

Date of testing : 2026-06-23 to 2026-07-20

Input voltage : DC 3.85V

Operation mode : B

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&C.

Table 12: Test Result of Carrier Frequency Separation, left earbud

TestMode	Antenna	Channel	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.006	≥ 0.682	PASS
3DH5	Ant1	Hop	1.196	≥ 0.838	PASS

Table 13: Test Result of Carrier Frequency Separation, right earbud

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.07	≥ 1.008	PASS
3DH5	Ant1	Hop	1.092	≥ 0.832	PASS

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5.1.8 Number of Hopping Frequency

RESULT:
Pass
Test Specification

Test standard : FCC part 15.247(a)(1)(iii)
RSS-247 Clause 6.2.3.1

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

Limits : ≥ 15 non-overlapping channels

Kind of test site : Shielded Room

Test Setup

Date of testing : 2026-06-23 to 2026-07-20

Input voltage : DC 3.85V

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.

Table 14: Test Result of Number of Hopping Frequency, Left earbud

TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥ 15	PASS
3DH5	Ant1	Hop	79	≥ 15	PASS

Table 15: Test Result of Number of Hopping Frequency, Right earbud

TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥ 15	PASS
3DH5	Ant1	Hop	79	≥ 15	PASS

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5.1.9 Time of Occupancy

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

Test standard	: FCC part 15.247(a)(1)(iii) RSS-247 Clause 6.2.3.1
Basic standard	: ANSI C63.10-2020, ANSI C63.10-2020+Cor. 1- 2023+C63.10a-2024
Limits	: < 0.4s
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2026-06-23 to 2026-07-20
Input voltage	: DC 3.85V
Operation mode	: B
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 & 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 Classic Bluetooth (Left earbud)

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Appendix B.1: Test Results of 99% Bandwidth

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.88067	2401.5466	2402.4272	---	---
		2441	0.90477	2440.5455	2441.4502	---	---
		2480	0.90930	2479.5374	2480.4467	---	---
3DH5	Ant1	2402	1.1699	2401.4067	2402.5766	---	---
		2441	1.1821	2440.3977	2441.5798	---	---
		2480	1.1707	2479.4053	2480.5760	---	---

DH5_Ant1_2402



DH5_Ant1_2441

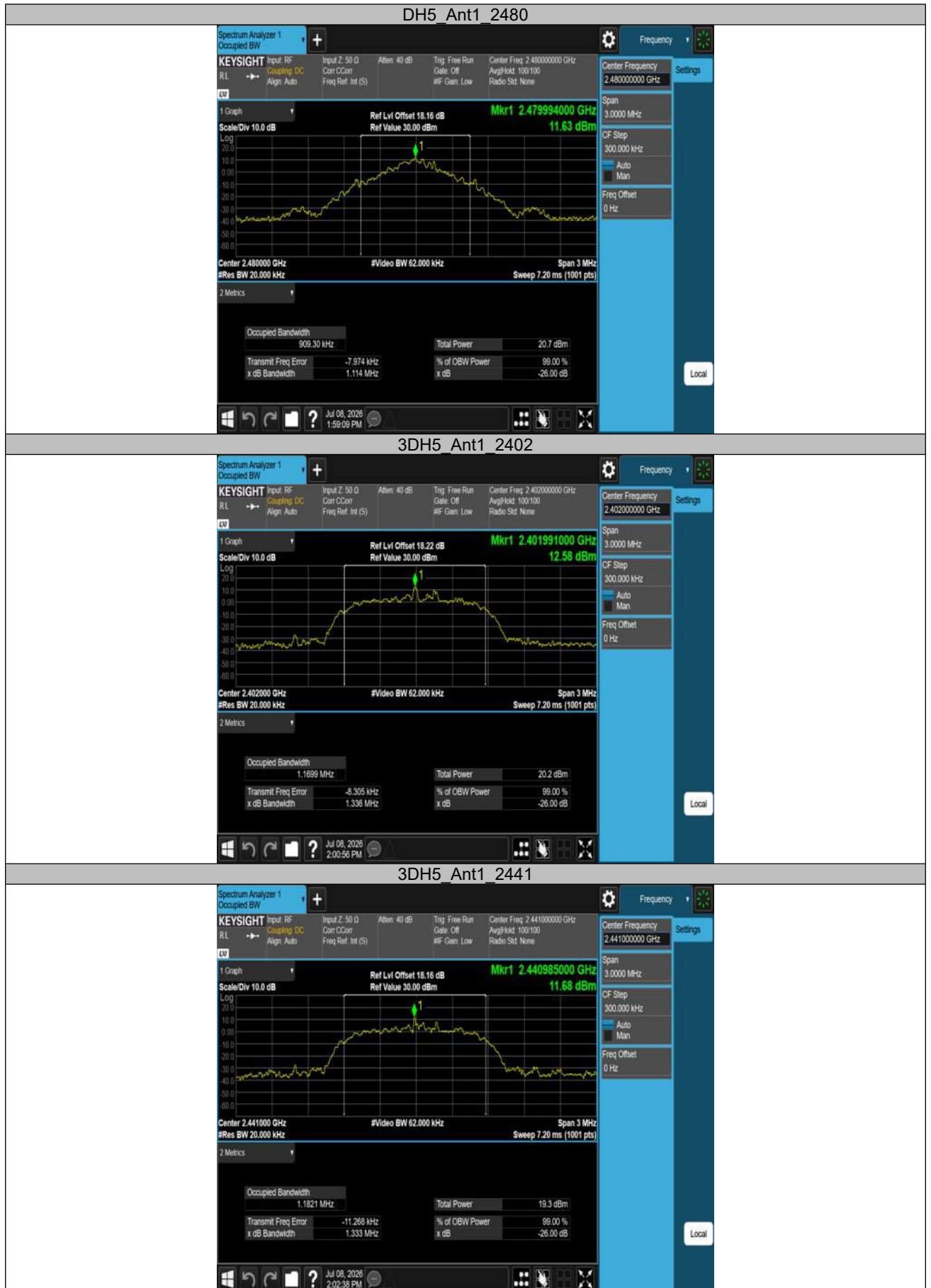


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Appendix B.2: Test Results of 20dB Bandwidth

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.993	2401.484	2402.477	---	---
		2441	1.023	2440.484	2441.507	---	---
		2480	0.945	2479.478	2480.423	---	---
3DH5	Ant1	2402	1.236	2401.364	2402.600	---	---
		2441	1.227	2440.373	2441.600	---	---
		2480	1.257	2479.355	2480.612	---	---

DH5_Ant1_2402



DH5_Ant1_2441



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Appendix B.3: Test Results of Carrier Frequency Separation

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.006	≥ 0.682	PASS
3DH5	Ant1	Hop	1.196	≥ 0.838	PASS



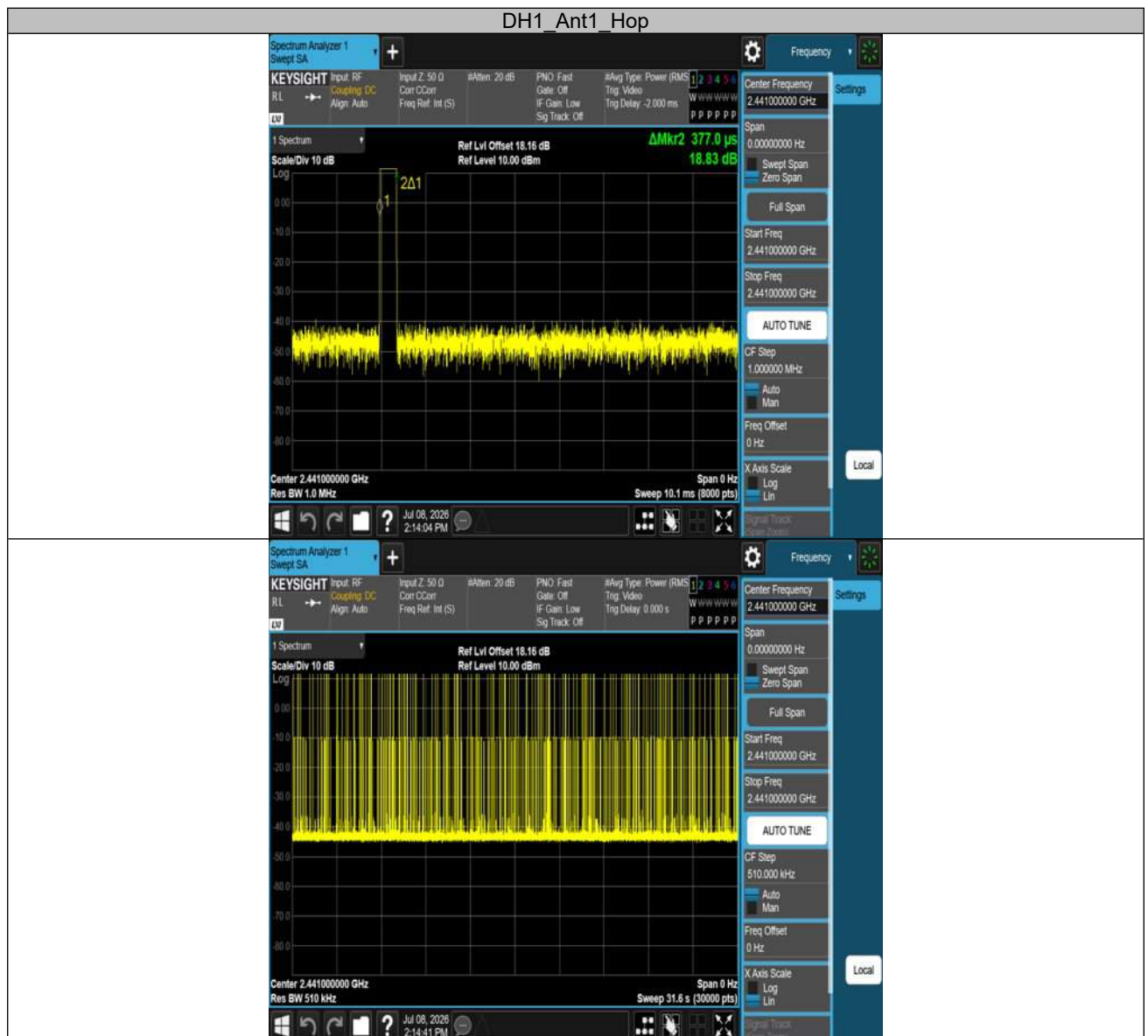
Appendix B.4: Test Results of Number of Hopping Frequency

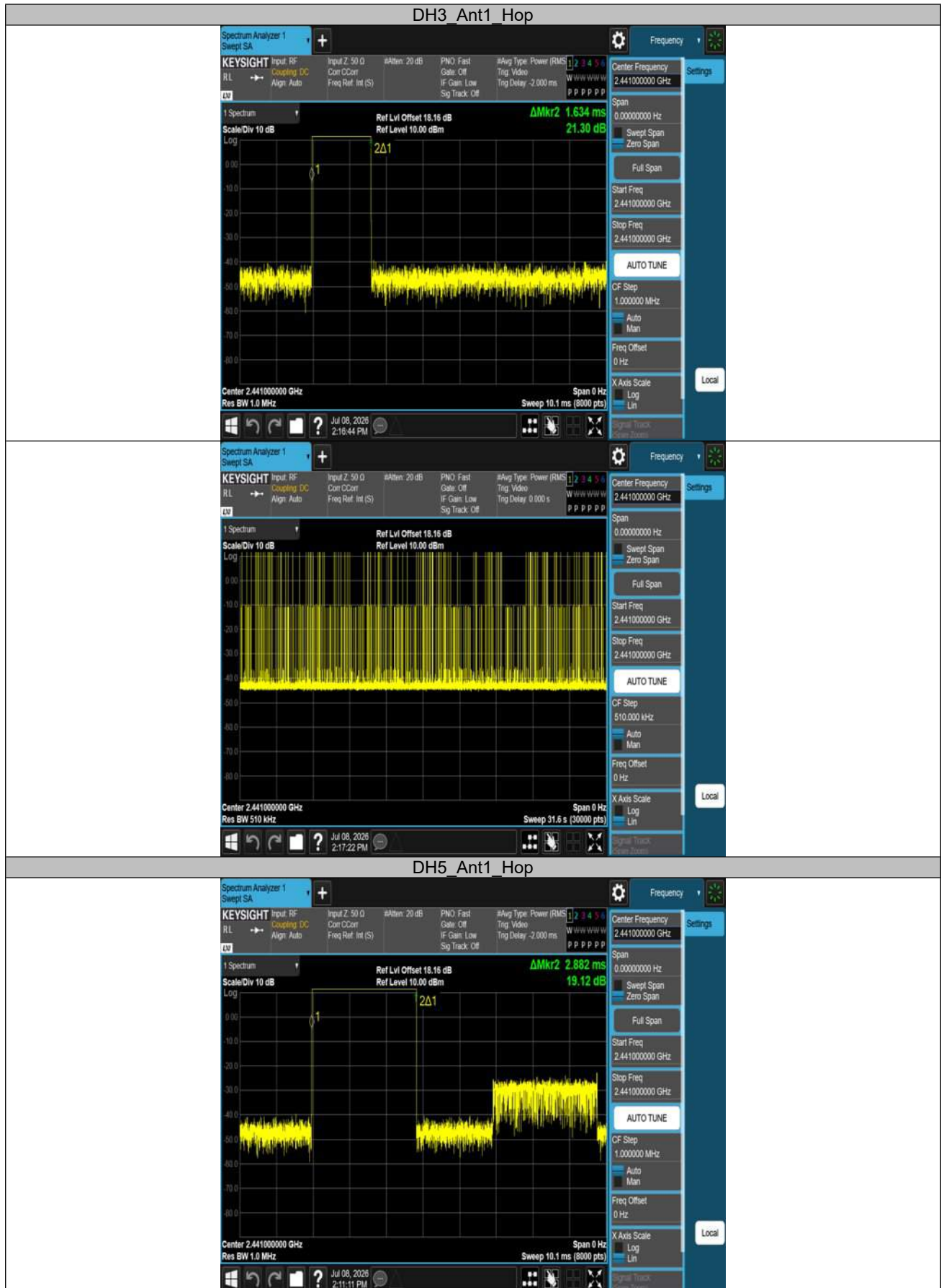
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS



Appendix B.5: Test Results of Time of Occupancy

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.377	149	0.056	≤0.4	PASS
DH3	Ant1	Hop	1.634	116	0.19	≤0.4	PASS
DH5	Ant1	Hop	2.882	76	0.219	≤0.4	PASS
3DH1	Ant1	Hop	0.386	158	0.061	≤0.4	PASS
3DH3	Ant1	Hop	1.638	110	0.18	≤0.4	PASS
3DH5	Ant1	Hop	2.888	85	0.245	≤0.4	PASS

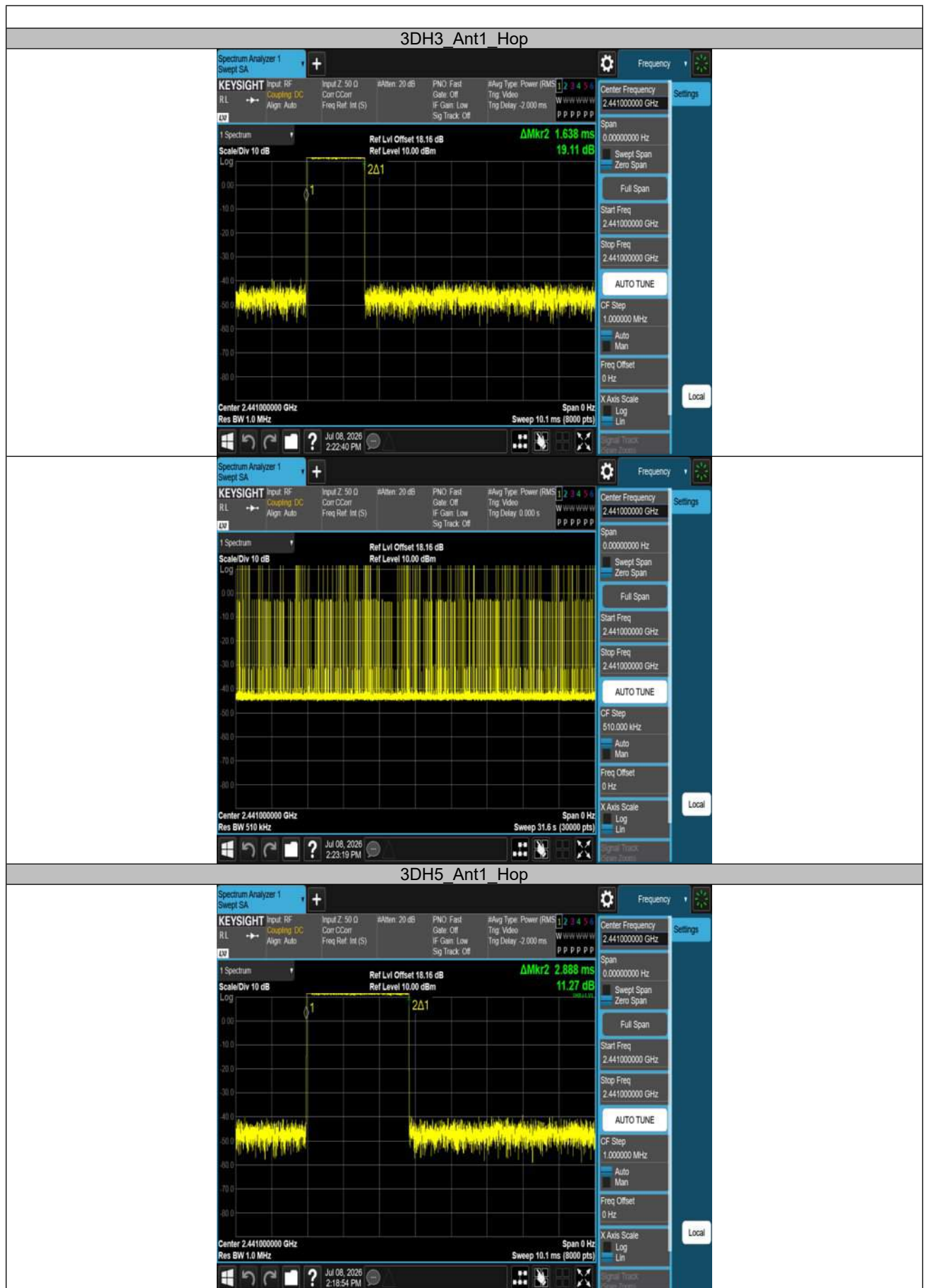






3DH1_Ant1_Hop





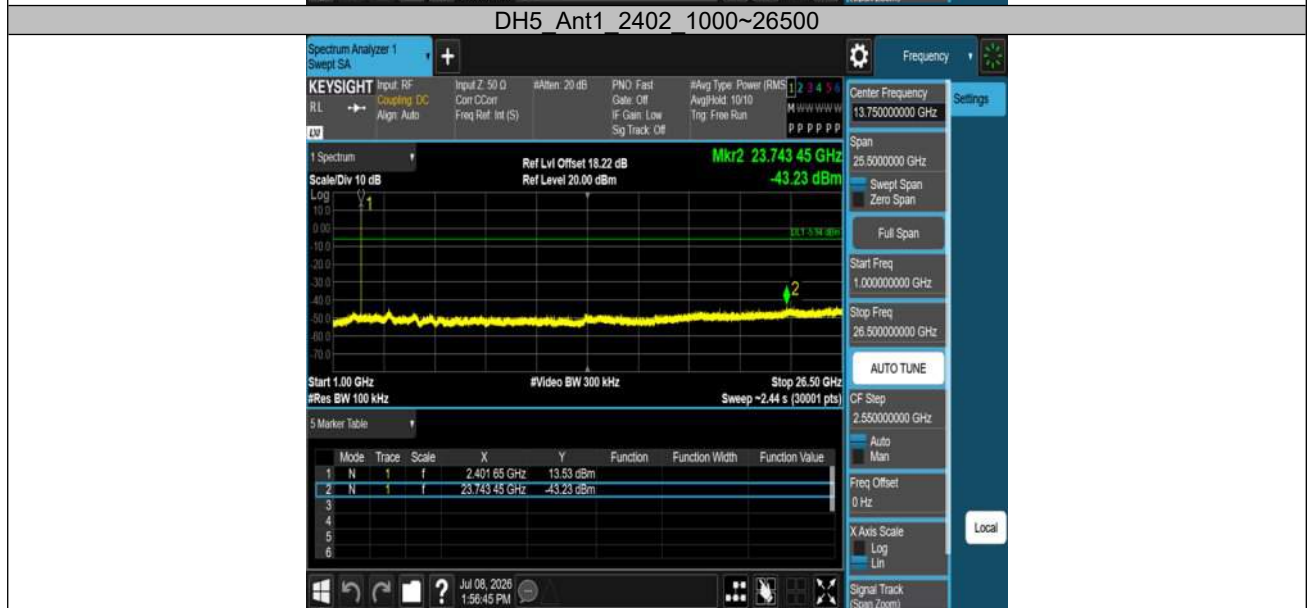
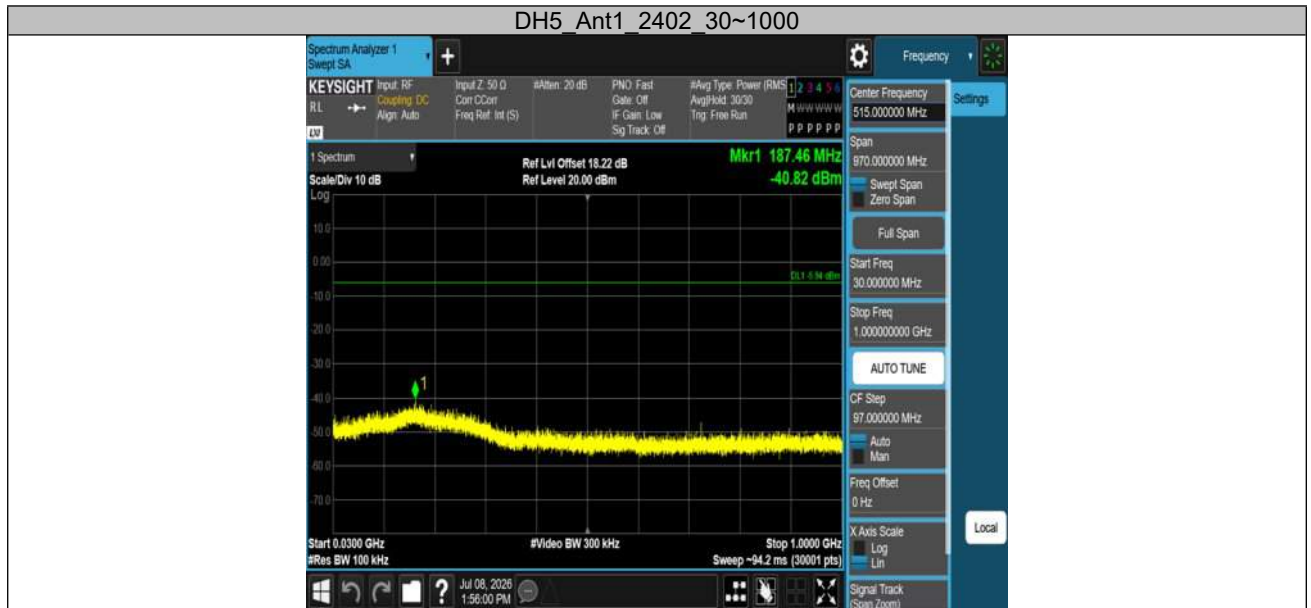


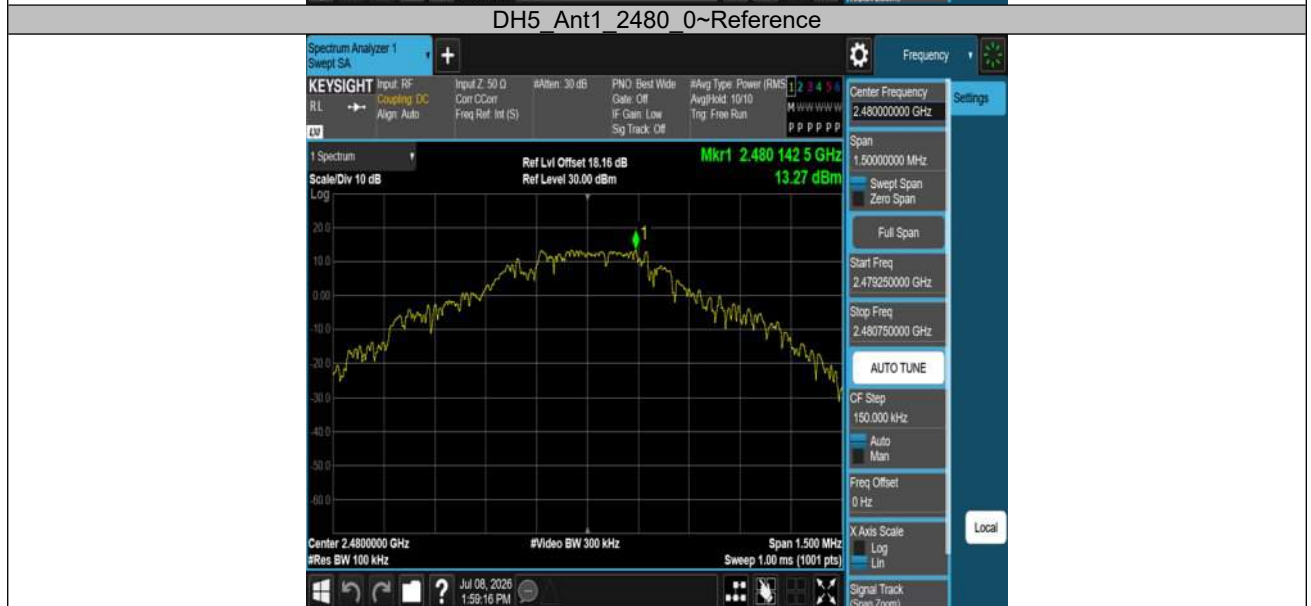
Appendix B.6: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

Conducted measurements

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	14.06	14.06	---	PASS
			30~1000	14.06	-40.83	≤-5.94	PASS
			1000~26500	14.06	-43.23	≤-5.94	PASS
		2441	Reference	13.42	13.42	---	PASS
			30~1000	13.42	-41.71	≤-6.58	PASS
			1000~26500	13.42	-44	≤-6.58	PASS
		2480	Reference	13.27	13.27	---	PASS
			30~1000	13.27	-41.37	≤-6.73	PASS
			1000~26500	13.27	-43.86	≤-6.73	PASS
3DH5	Ant1	2402	Reference	9.73	9.73	---	PASS
			30~1000	9.73	-41.56	≤-10.27	PASS
			1000~26500	9.73	-42.62	≤-10.27	PASS
		2441	Reference	14.07	14.07	---	PASS
			30~1000	14.07	-40.94	≤-5.93	PASS
			1000~26500	14.07	-42.49	≤-5.93	PASS
		2480	Reference	11.30	11.30	---	PASS
			30~1000	11.30	-39.46	≤-8.7	PASS
			1000~26500	11.30	-43.42	≤-8.7	PASS















Band edge measurements

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	14.81	-42.13	≤-5.19	PASS
		High	2480	14.15	-41.75	≤-5.85	PASS
3DH5	Ant1	Low	2402	14.53	-39.57	≤-5.47	PASS
		High	2480	14.09	-40.86	≤-5.91	PASS
DH5	Ant1	Hopping	2402	14.38	-41.16	≤-5.62	PASS
		Hopping	2480	13.23	-41.83	≤-6.77	PASS
3DH5	Ant1	Hopping	2402	10.32	-41.1	≤-9.68	PASS
		Hopping	2480	11.89	-42.15	≤-8.11	PASS



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3DH5 Ant1 Low 2402



3DH5 Ant1 High 2480



DH5 Ant1 Hopping 2402



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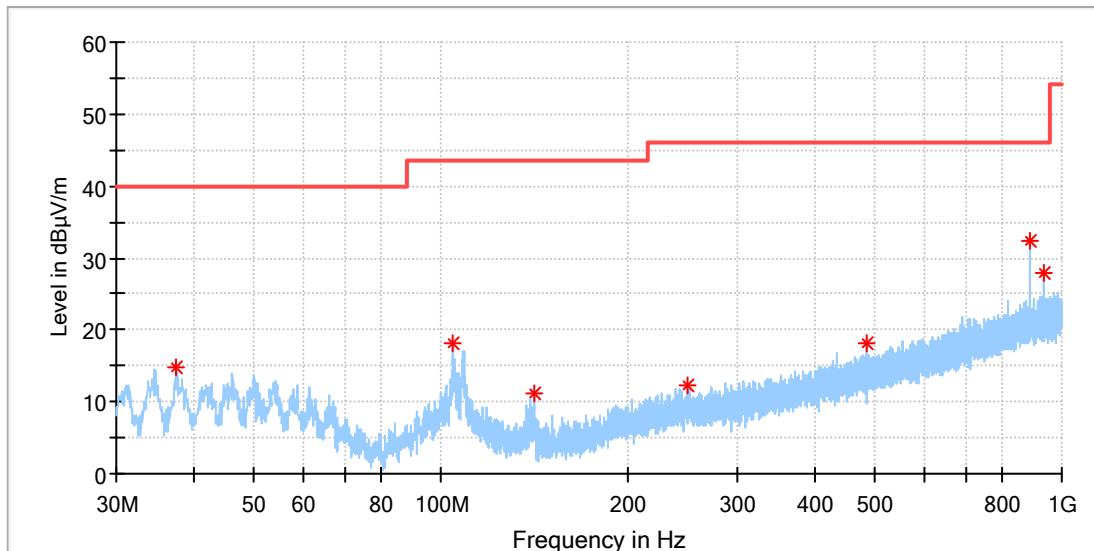
Appendix B.7: Test Results of Radiated Spurious Emissions

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:	OPENFIT 2 AI
Model:	SHOKZ T922
Test Mode:	BR DH5_Mid channel
Order No/Sample No:	A004314451-011
Test Voltage:	Battery
Remark:	Temp 23.2°C Humi:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

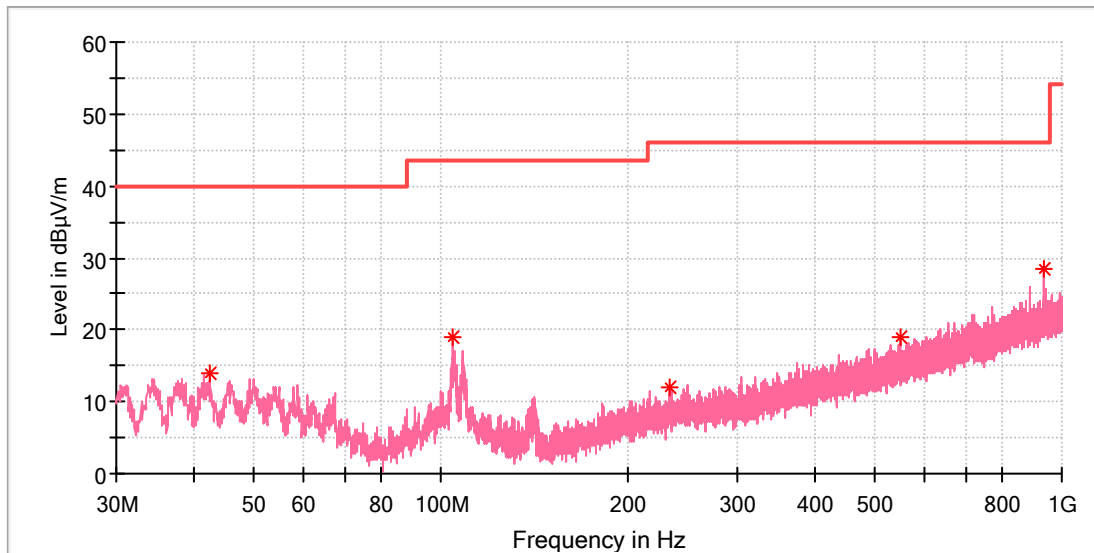


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
37.544444	14.85	40.00	25.15	100.0	H	119.0	-21.0
104.636111	18.00	43.50	25.50	100.0	H	286.0	-18.9
141.226667	11.28	43.50	32.22	100.0	H	187.0	-22.4
250.028333	12.16	46.00	33.84	100.0	H	11.0	-17.4
486.061667	18.06	46.00	27.94	100.0	H	286.0	-12.0
890.982778	32.40	46.00	13.60	100.0	H	238.0	-4.9
938.405000	27.95	46.00	18.05	100.0	H	246.0	-4.4

EUT Information

EUT Name:	OPENFIT 2 AI
Model:	SHOKZ T922
Test Mode:	BR DH5_Mid channel
Order No/Sample No:	A004314451-011
Test Voltage:	Battery
Remark:	Temp 23.2°C Humi:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

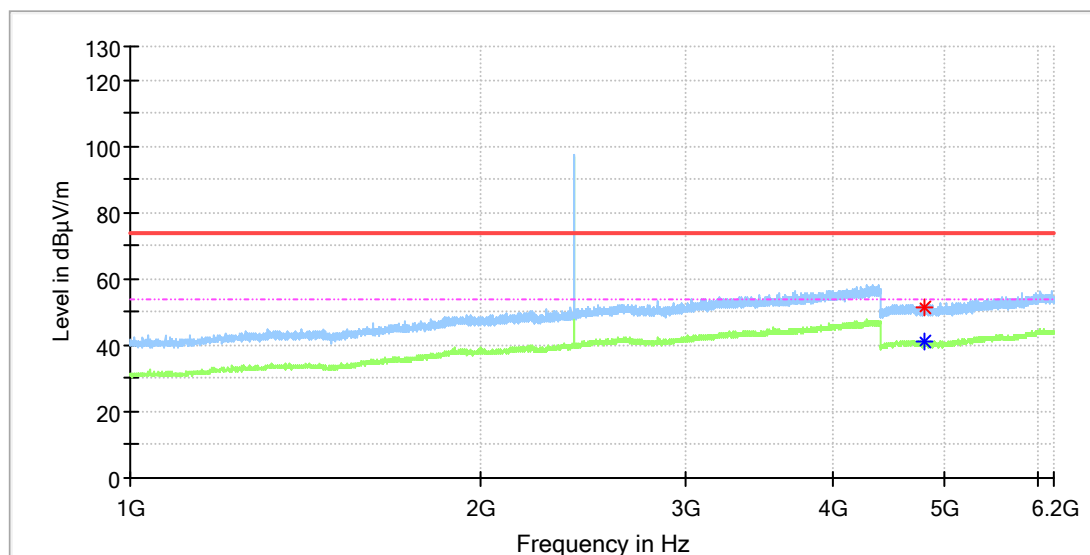
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
42.448333	13.82	40.00	26.18	100.0	V	173.0	-19.6
104.582222	18.96	43.50	24.54	100.0	V	0.0	-18.9
233.592222	12.12	46.00	33.88	100.0	V	133.0	-18.0
547.980000	18.87	46.00	27.13	100.0	V	149.0	-10.8
936.950000	28.34	46.00	17.66	100.0	V	46.0	-4.4

1GHz - 18GHz

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

EUT Information

EUT Name:	OPENFIT 2 AI
Model:	SHOKZ T922
Test Mode:	BR DH5_Low channel
Order No/Sample No:	A004314451-011
Test Voltage:	Battery
Remark:	Temp 23.2°C Humi:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

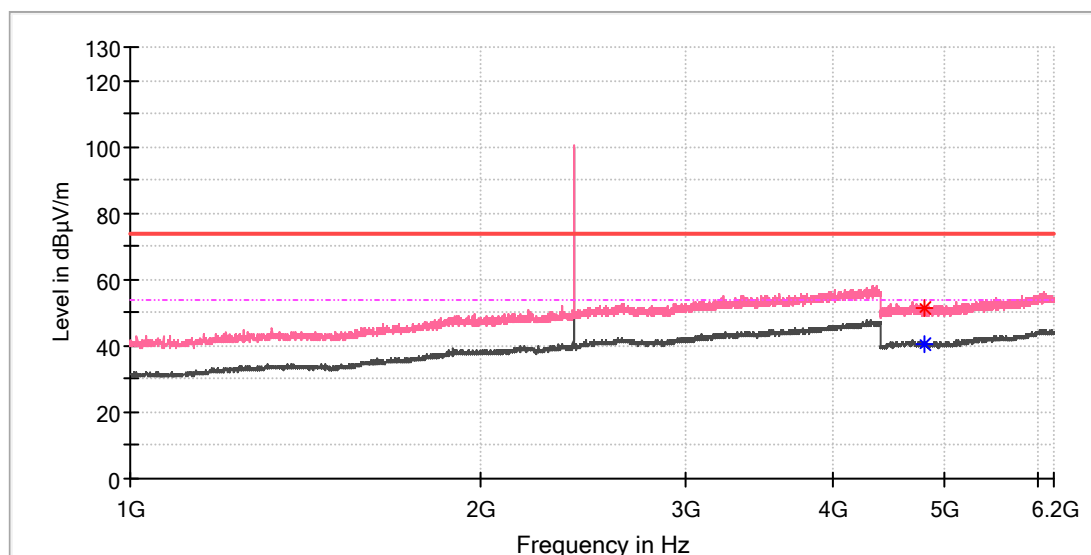


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4803.000000	---	41.30	54.00	12.70	150.0	H	113.0	13.3
4803.000000	51.34	---	74.00	22.66	150.0	H	113.0	13.3

EUT Information

EUT Name:	OPENFIT 2 AI
Model:	SHOKZ T922
Test Mode:	BR DH5_Low channel
Order No/Sample No:	A004314451-011
Test Voltage:	Battery
Remark:	Temp 23.2°C Humi:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

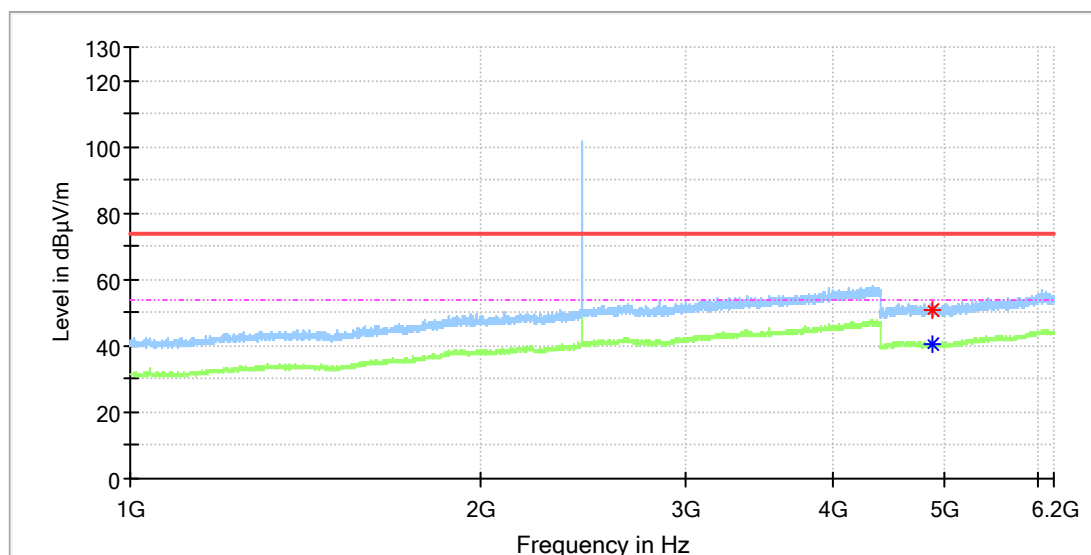


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4804.000000	---	40.70	54.00	13.30	150.0	V	6.0	13.3
4805.000000	51.31	---	74.00	22.69	150.0	V	250.0	13.3

EUT Information

EUT Name:	OPENFIT 2 AI
Model:	SHOKZ T922
Test Mode:	BR DH5_Mid channel
Order No/Sample No:	A004314451-011
Test Voltage:	Battery
Remark:	Temp 23.2°C Humi:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

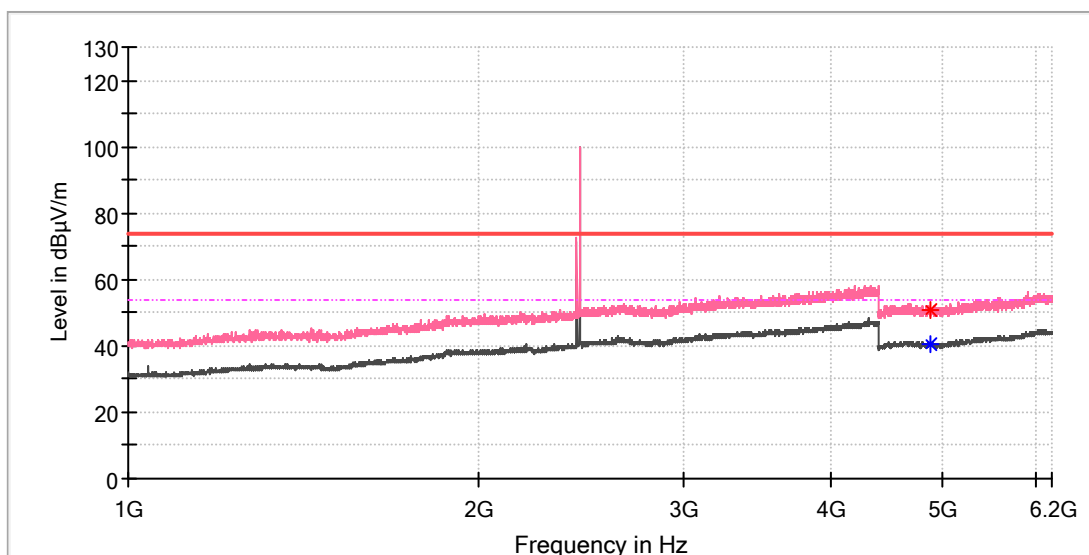


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4882.000000	50.50	---	74.00	23.50	150.0	H	294.0	13.3
4882.500000	---	40.23	54.00	13.77	150.0	H	357.0	13.3

EUT Information

EUT Name: OPENFIT 2 AI
Model: SHOKZ T922
Test Mode: BR DH5_Mid channel
Order No/Sample No: A004314451-011
Test Voltage: Battery
Remark: Temp 23.2°C Humi:51%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

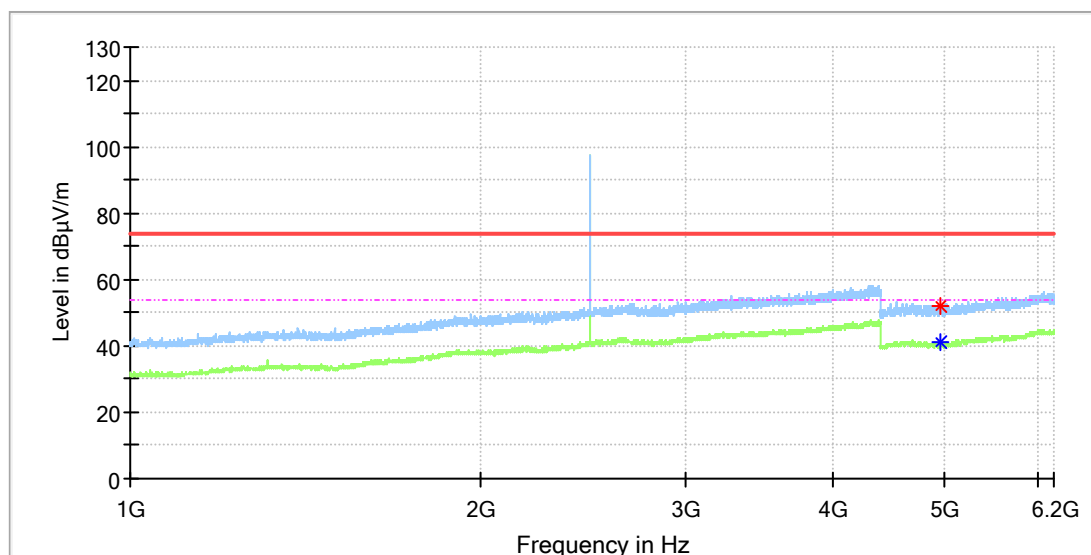


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4883.000000	---	40.33	54.00	13.67	150.0	V	304.0	13.3
4883.000000	51.06	---	74.00	22.94	150.0	V	304.0	13.3

EUT Information

EUT Name: OPENFIT 2 AI
Model: SHOKZ T922
Test Mode: BR DH5_High channel
Order No/Sample No: A004314451-011
Test Voltage: Battery
Remark: Temp 23.2°C Humi:51%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

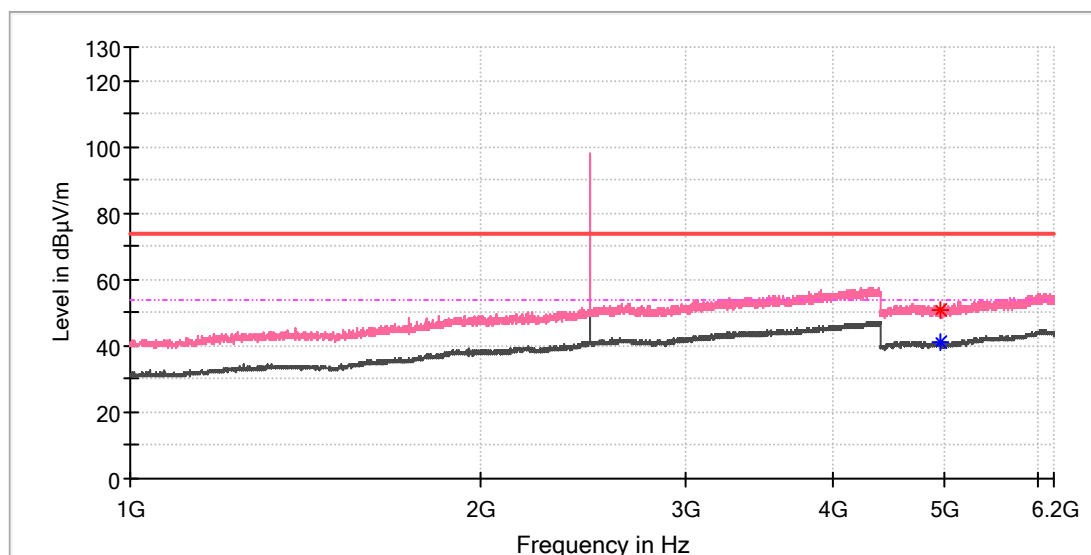


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4961.000000	52.24	---	74.00	21.76	150.0	H	307.0	13.3
4964.000000	---	40.84	54.00	13.16	150.0	H	349.0	13.3

EUT Information

EUT Name: OPENFIT 2 AI
Model: SHOKZ T922
Test Mode: BR DH5_High channel
Order No/Sample No: A004314451-011
Test Voltage: Battery
Remark: Temp 23.2°C Humi:51%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

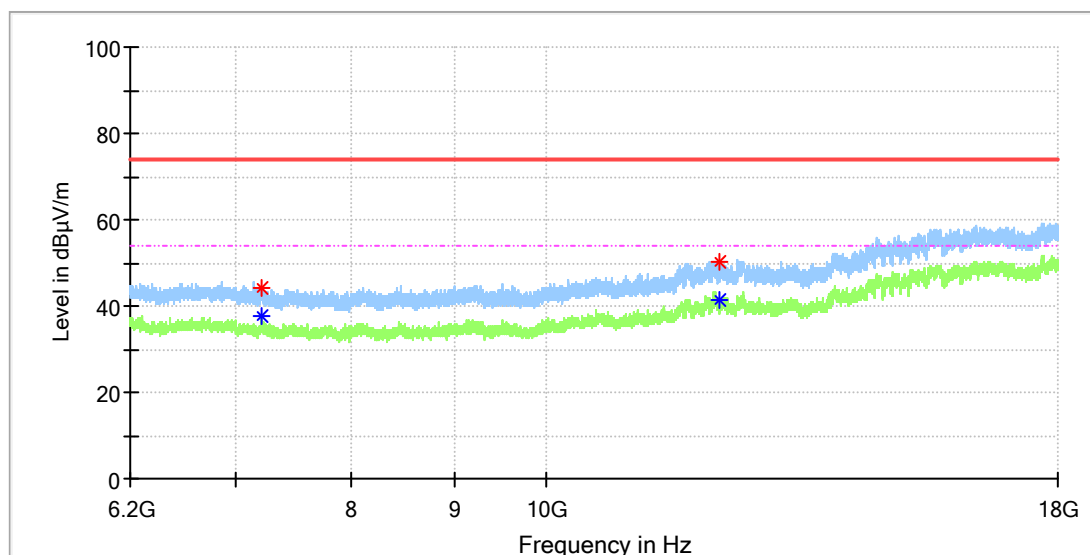


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4958.000000	---	41.11	54.00	12.89	150.0	V	349.0	13.3
4960.000000	51.05	---	74.00	22.95	150.0	V	163.0	13.3

EUT Information

EUT Name: OPENFIT 2 AI
Model: SHOKZ T922
Test Mode: BR DH5_Low channel
Order No/Sample No: A004314451-011
Test Voltage: Battery
Remark: Temp 23.2°C Humi:51%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

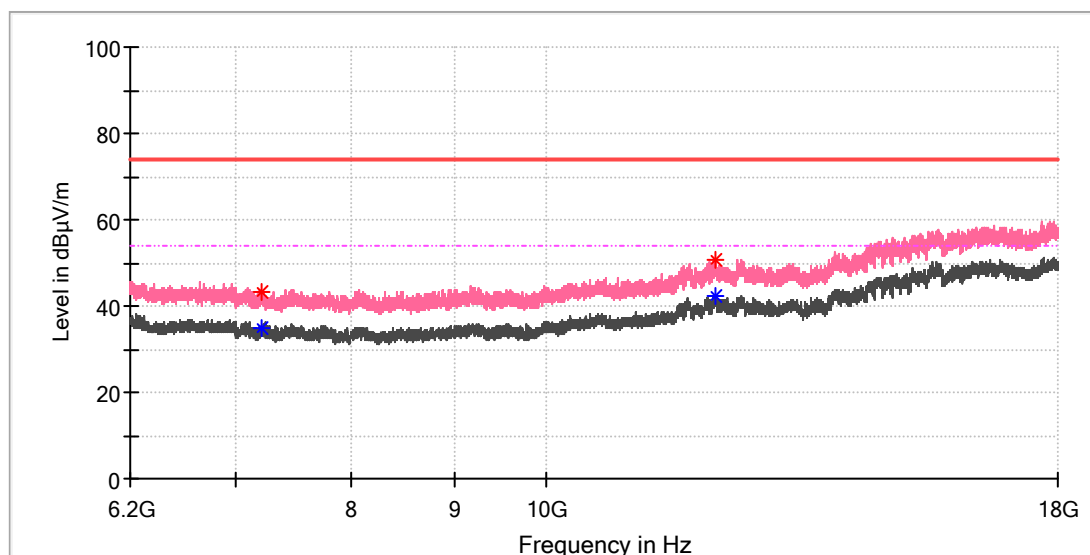


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7205.950000	---	37.61	54.00	16.39	150.0	H	41.0	8.8
7206.441667	44.05	---	74.00	29.95	150.0	H	342.0	8.8
12202.758333	---	41.62	54.00	12.38	150.0	H	224.0	15.7
12210.133333	50.39	---	74.00	23.61	150.0	H	65.0	15.8

EUT Information

EUT Name:	OPENFIT 2 AI
Model:	SHOKZ T922
Test Mode:	BR DH5_Low channel
Order No/Sample No:	A004314451-011
Test Voltage:	Battery
Remark:	Temp 23.2°C Humi:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

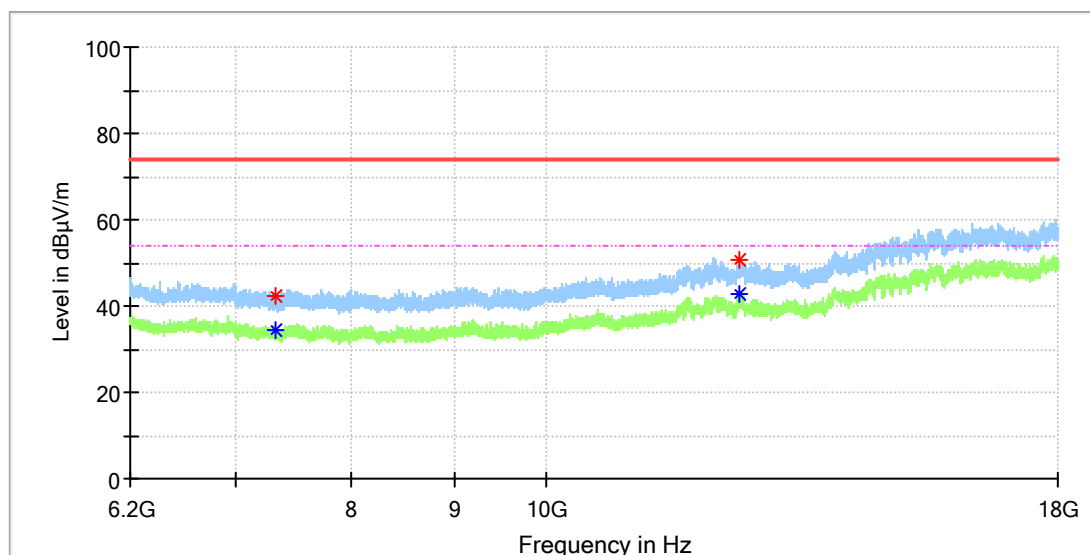


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7204.966667	43.31	---	74.00	30.69	150.0	V	99.0	8.8
7206.933333	---	34.92	54.00	19.08	150.0	V	34.0	8.8
12133.925000	50.50	---	74.00	23.50	150.0	V	99.0	16.3
12149.166667	---	42.49	54.00	11.51	150.0	V	66.0	16.7

EUT Information

EUT Name: OPENFIT 2 AI
Model: SHOKZ T922
Test Mode: BR DH5_Mid channel
Order No/Sample No: A004314451-011
Test Voltage: Battery
Remark: Temp 23.2°C Humi:51%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

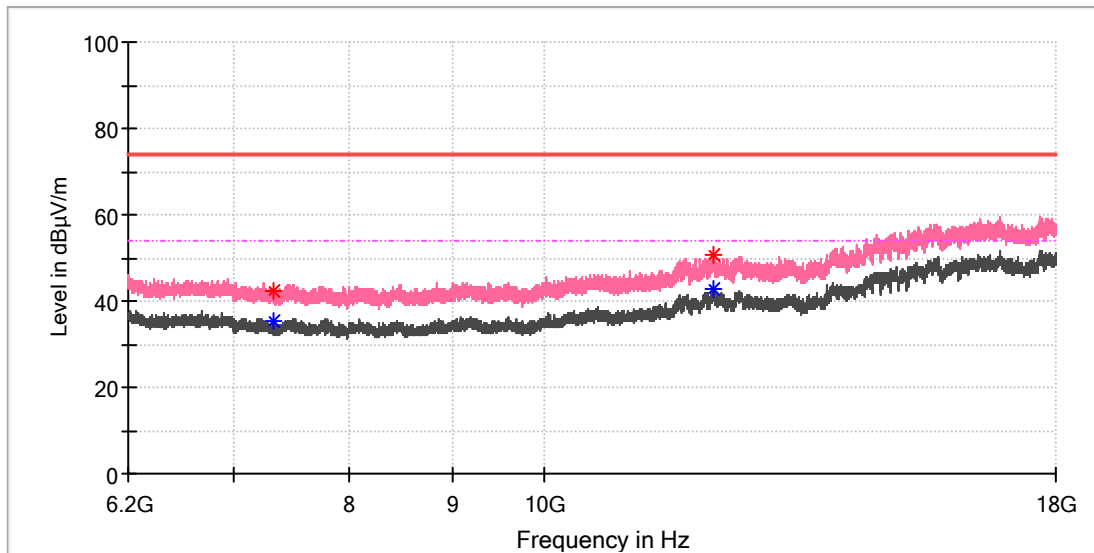


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7322.966667	---	34.45	54.00	19.55	150.0	H	152.0	8.2
7322.966667	42.10	---	74.00	31.90	150.0	H	152.0	8.2
12485.466667	50.71	---	74.00	23.29	150.0	H	0.0	16.0
12492.841667	---	42.59	54.00	11.41	150.0	H	17.0	16.0

EUT Information

EUT Name: OPENFIT 2 AI
Model: SHOKZ T922
Test Mode: BR DH5_Mid channel
Order No/Sample No: A004314451-011
Test Voltage: Battery
Remark: Temp 23.2°C Humi:51%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

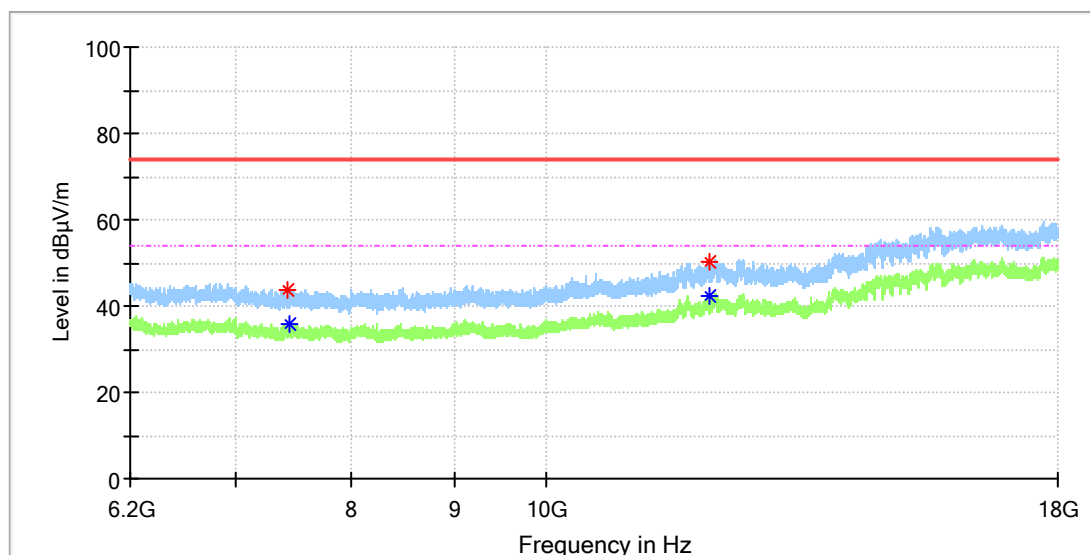


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7321.000000	---	35.15	54.00	18.85	150.0	V	94.0	8.2
7323.458333	42.19	---	74.00	31.81	150.0	V	106.0	8.2
12148.183333	---	42.64	54.00	11.36	150.0	V	37.0	16.7
12153.591667	50.67	---	74.00	23.33	150.0	V	236.0	16.5

EUT Information

EUT Name: OPENFIT 2 AI
Model: SHOKZ T922
Test Mode: BR DH5_High channel
Order No/Sample No: A004314451-011
Test Voltage: Battery
Remark: Temp 23.2°C Humi:51%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

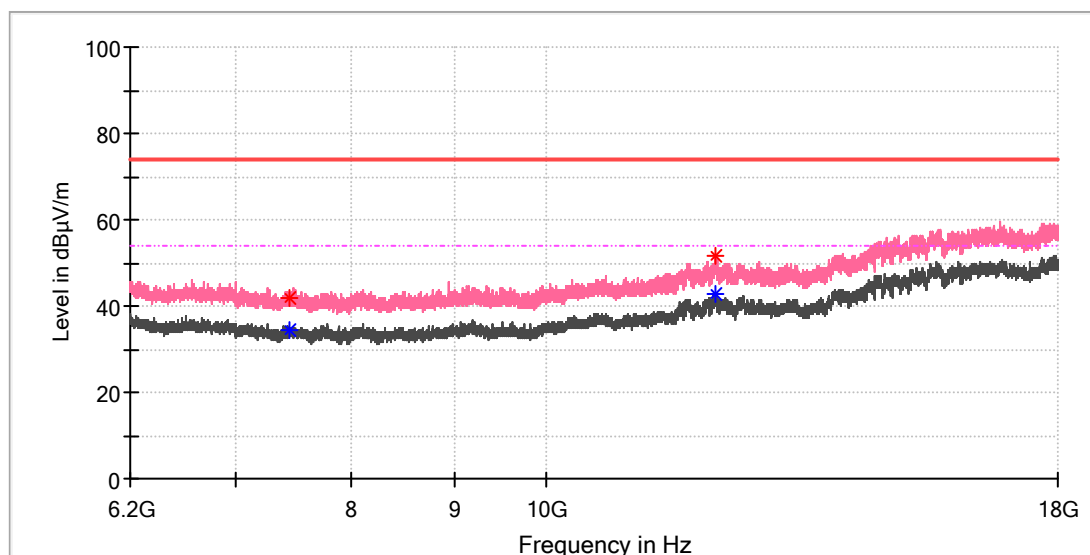


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7436.050000	43.63	---	74.00	30.37	150.0	H	25.0	8.4
7439.983333	---	35.73	54.00	18.27	150.0	H	290.0	8.4
12049.850000	---	42.39	54.00	11.61	150.0	H	4.0	16.4
12053.291667	50.42	---	74.00	23.58	150.0	H	90.0	16.0

EUT Information

EUT Name: OPENFIT 2 AI
Model: SHOKZ T922
Test Mode: BR DH5_High channel
Order No/Sample No: A004314451-011
Test Voltage: Battery
Remark: Temp 23.2°C Humi:51%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



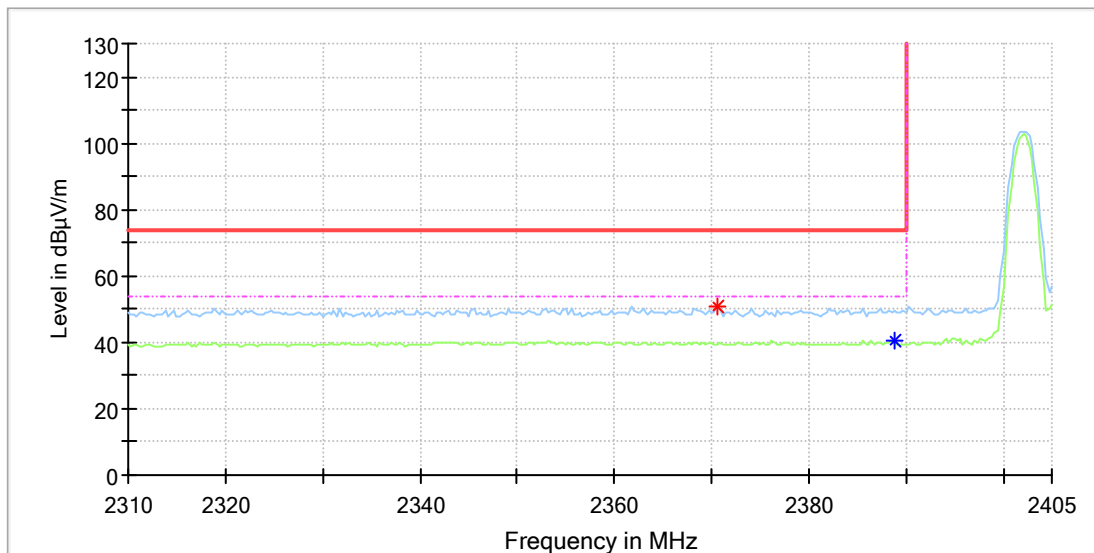
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7440.475000	---	34.54	54.00	19.46	150.0	V	353.0	8.4
7440.966667	41.87	---	74.00	32.13	150.0	V	157.0	8.4
12139.333333	---	42.68	54.00	11.32	150.0	V	146.0	16.5
12152.116667	51.63	---	74.00	22.37	150.0	V	359.0	16.6

Appendix B.8: Test Results of Radiated Emissions in Restricted Bands

EUT Information

EUT Name:	OPENFIT 2 AI
Model:	SHOKZ T922
Test Mode:	BR DH5_Low channel
Order No/Sample No:	A004314451-011
Test Voltage:	Battery
Remark:	Temp 23.2°C Humi:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

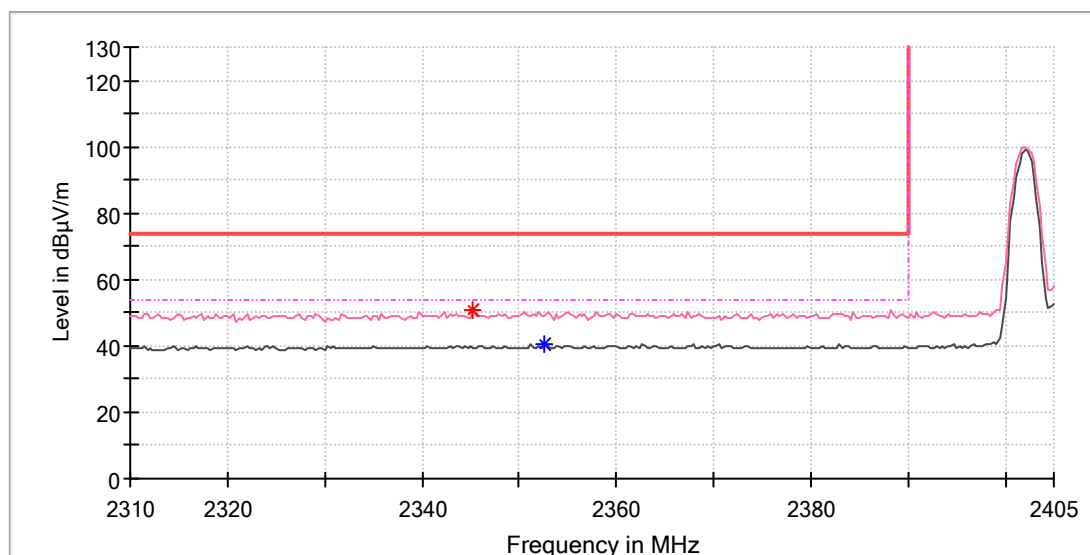


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2370.588235	50.84	---	74.00	23.16	150.0	H	0.0	8.5
2388.823529	---	40.67	54.00	13.33	150.0	H	310.0	8.5

EUT Information

EUT Name: OPENFIT 2 AI
Model: SHOKZ T922
Test Mode: BR DH5_Low channel
Order No/Sample No: A004314451-011
Test Voltage: Battery
Remark: Temp 23.2°C Humi:51%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

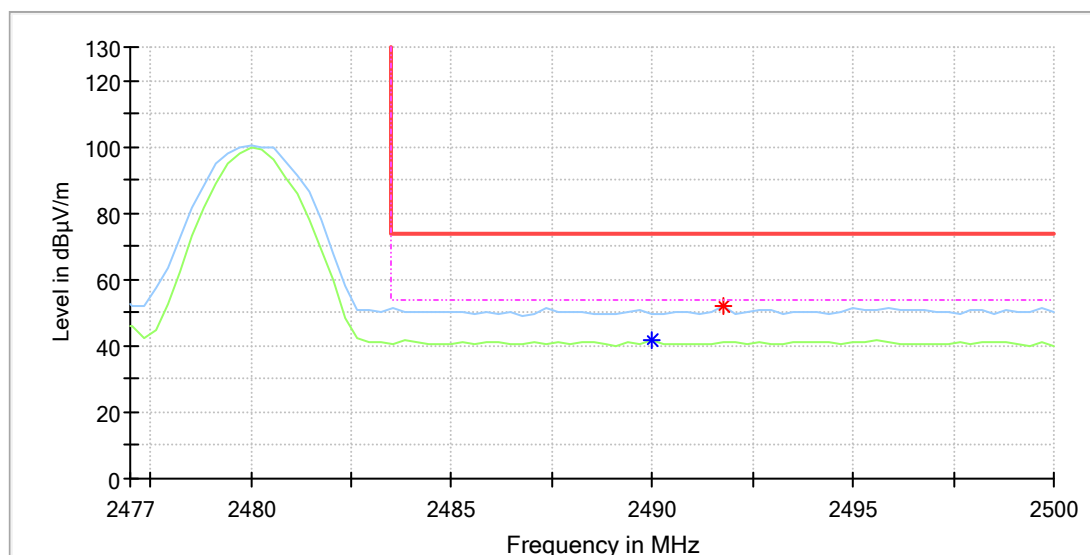


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2345.294118	50.74	---	74.00	23.26	150.0	V	68.0	8.4
2352.647059	---	40.46	54.00	13.54	150.0	V	291.0	8.5

EUT Information

EUT Name:	OPENFIT 2 AI
Model:	SHOKZ T922
Test Mode:	BR DH5_High channel
Order No/Sample No:	A004314451-011
Test Voltage:	Battery
Remark:	Temp 23.2°C Humi:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

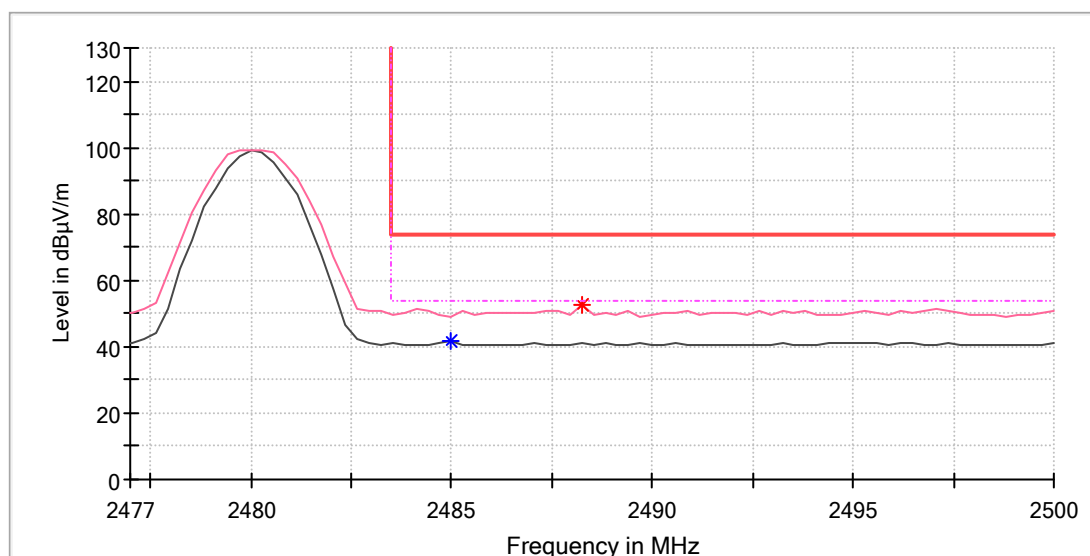


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2490.000000	---	41.55	54.00	12.45	150.0	H	126.0	9.0
2491.764706	51.79	---	74.00	22.21	150.0	H	42.0	9.0

EUT Information

EUT Name:	OPENFIT 2 AI
Model:	SHOKZ T922
Test Mode:	BR DH5_High channel
Order No/Sample No:	A004314451-011
Test Voltage:	Battery
Remark:	Temp 23.2°C Humi:51%
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)
2485.000000	---	41.45	54.00	12.55	150.0	V	100.0	9.0
2488.235294	52.39	---	74.00	21.61	150.0	V	243.0	9.0

Appendix C: Test Results of Classic Bluetooth (Right earbud)

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Appendix C.1: Test Results of 99% Bandwidth

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87499	2401.5490	2402.4240	---	---
		2441	0.89197	2440.5615	2441.4535	---	---
		2480	0.86458	2479.5568	2480.4214	---	---
3DH5	Ant1	2402	1.1804	2401.3988	2402.5792	---	---
		2441	1.1731	2440.4061	2441.5792	---	---
		2480	1.1824	2479.4013	2480.5837	---	---

DH5_Ant1_2402



DH5_Ant1_2441

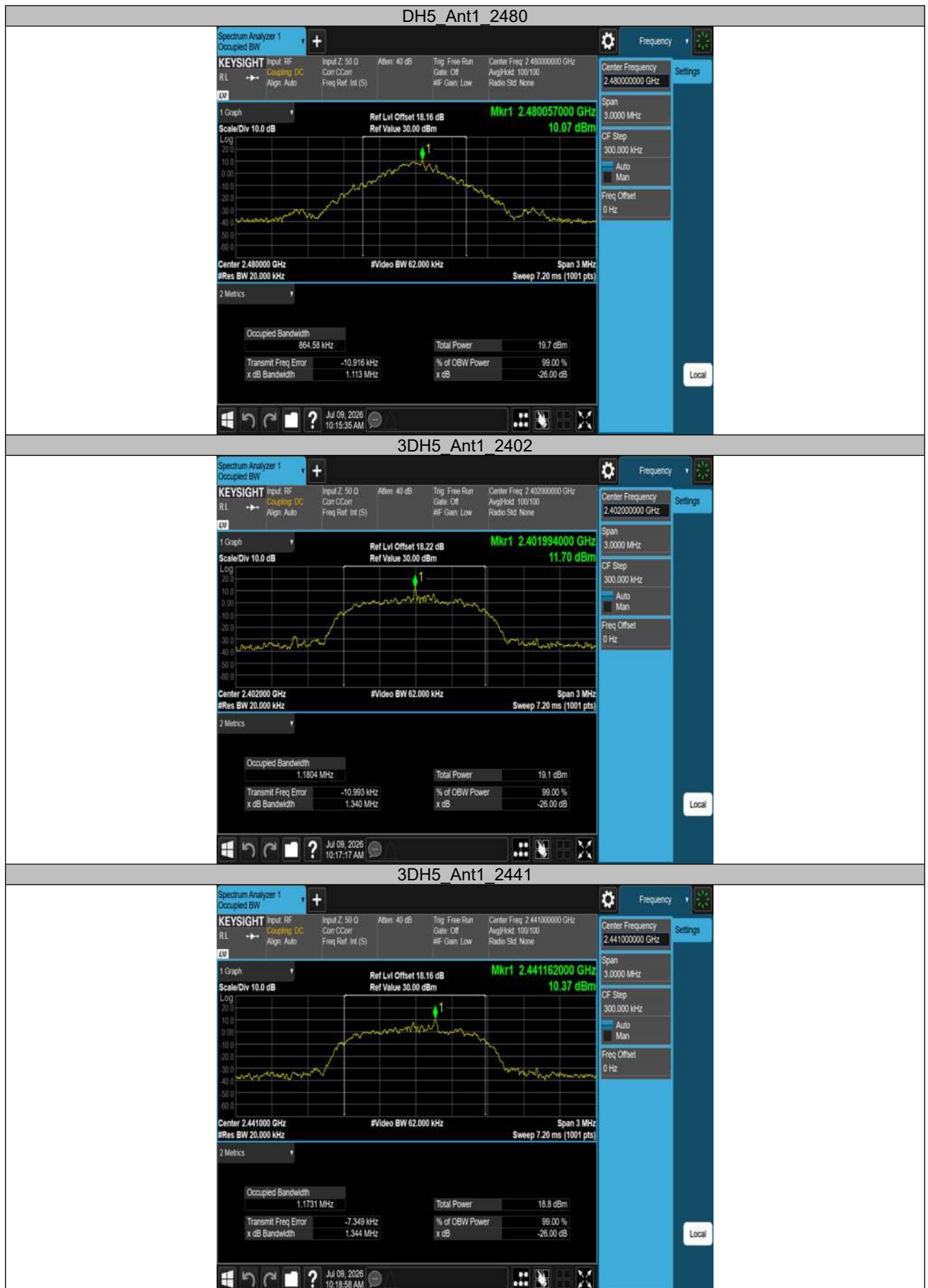


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Appendix C.2: Test Results of 20dB Bandwidth

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.996	2401.487	2402.483	---	---
		2441	1.008	2440.514	2441.522	---	---
		2480	0.972	2479.538	2480.510	---	---
3DH5	Ant1	2402	1.248	2401.361	2402.609	---	---
		2441	1.239	2440.367	2441.606	---	---
		2480	1.239	2479.361	2480.600	---	---

DH5_Ant1_2402



DH5_Ant1_2441



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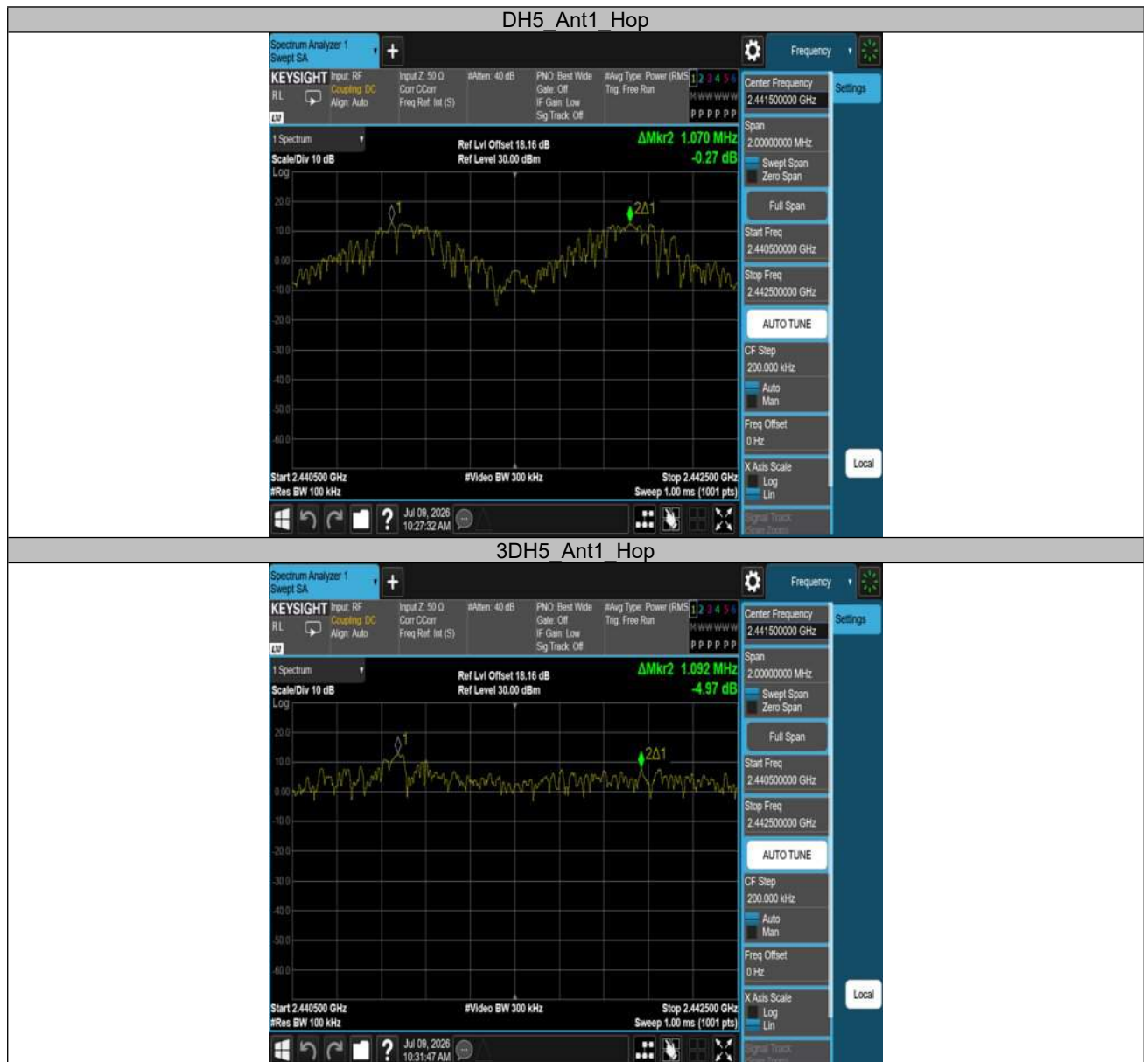
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Appendix C.3: Test Results of Carrier Frequency Separation

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.07	≥ 1.008	PASS
3DH5	Ant1	Hop	1.092	≥ 0.832	PASS



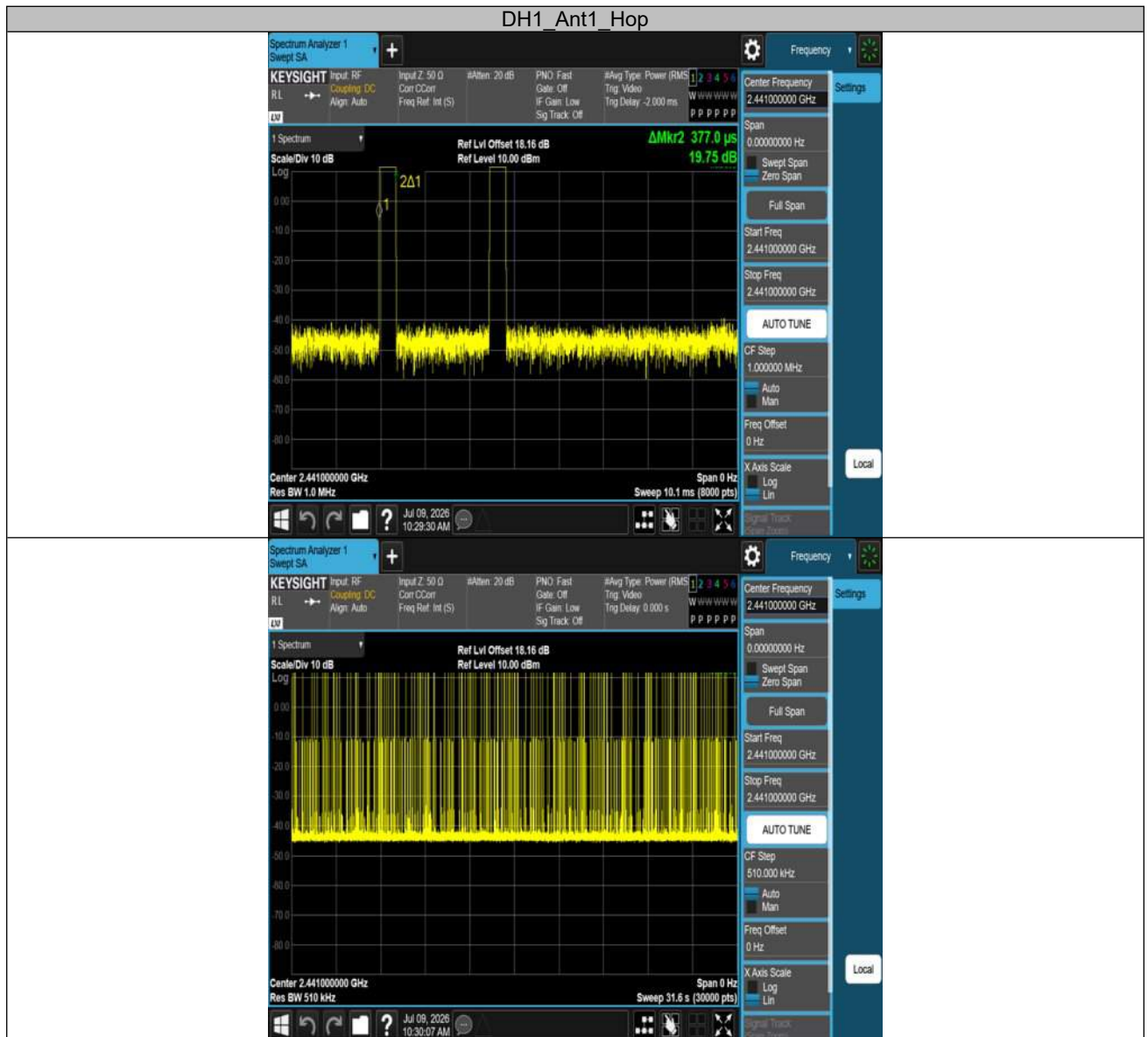
Appendix C.4: Test Results of Number of Hopping Frequency

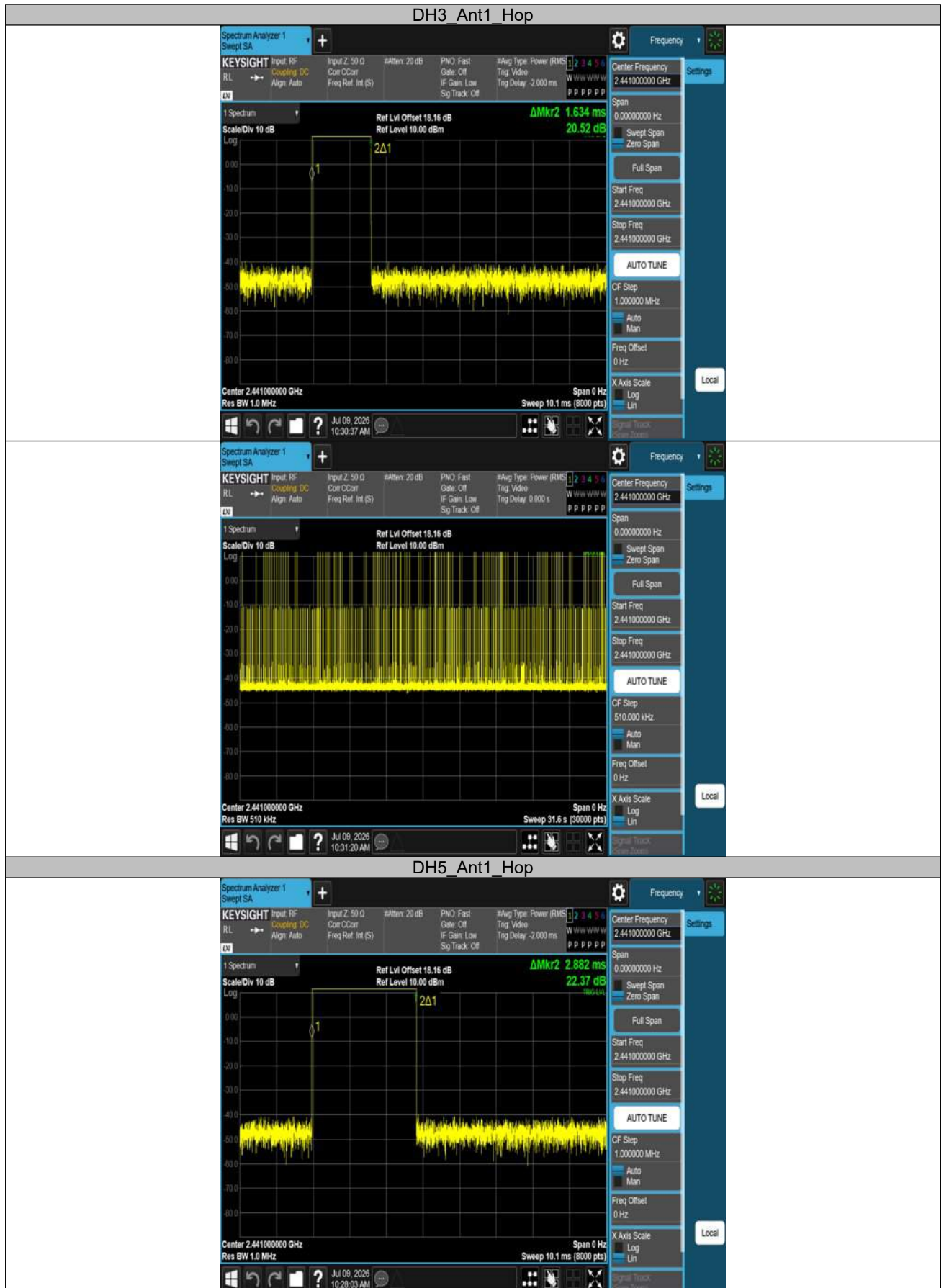
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS



Appendix C.5: Test Results of Time of Occupancy

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.377	152	0.057	≤0.4	PASS
DH3	Ant1	Hop	1.634	102	0.167	≤0.4	PASS
DH5	Ant1	Hop	2.882	87	0.251	≤0.4	PASS
3DH1	Ant1	Hop	2.888	76	0.219	≤0.4	PASS
3DH3	Ant1	Hop	1.637	110	0.18	≤0.4	PASS
3DH5	Ant1	Hop	2.888	88	0.254	≤0.4	PASS

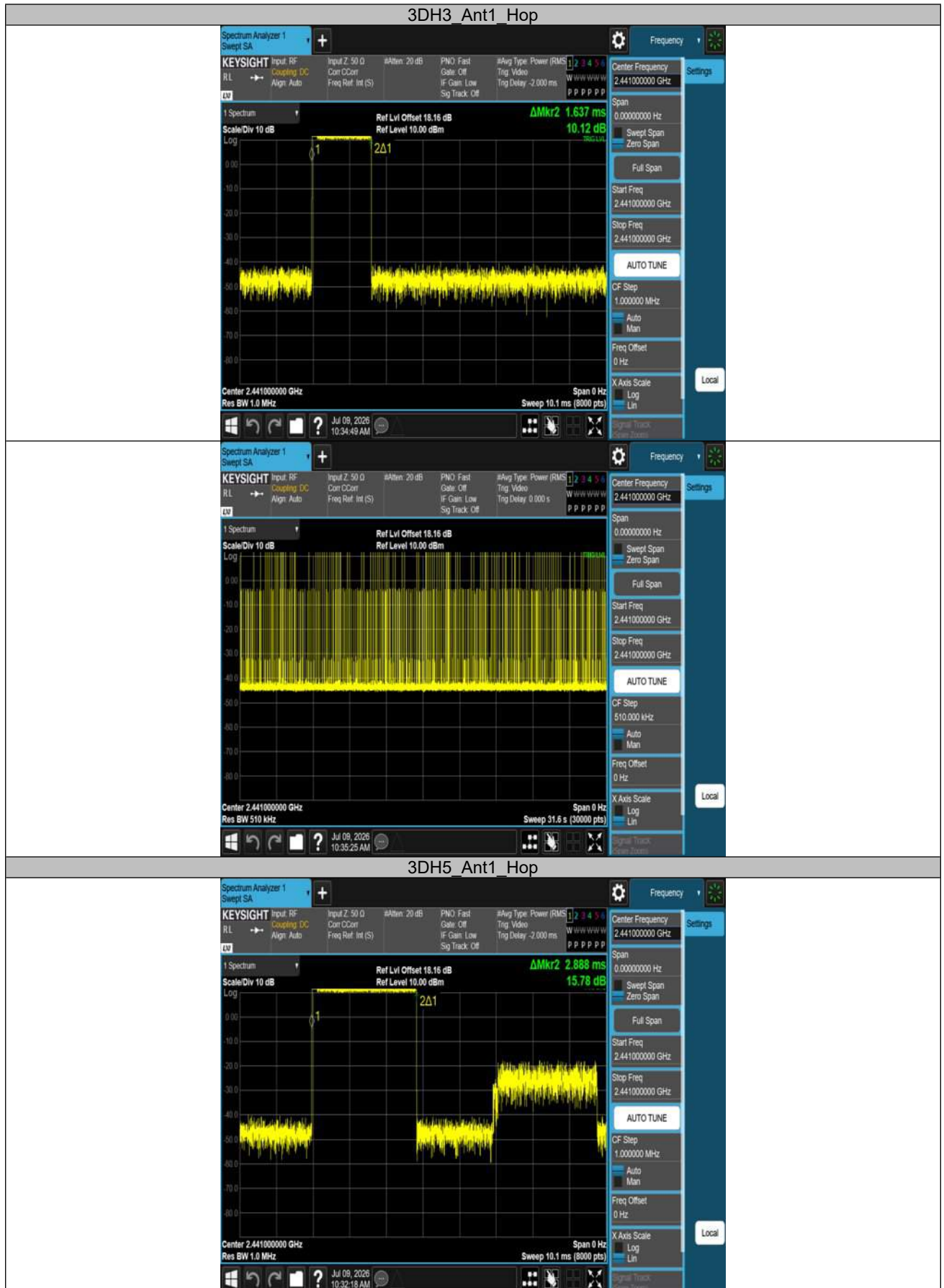






3DH1 Ant1 Hop



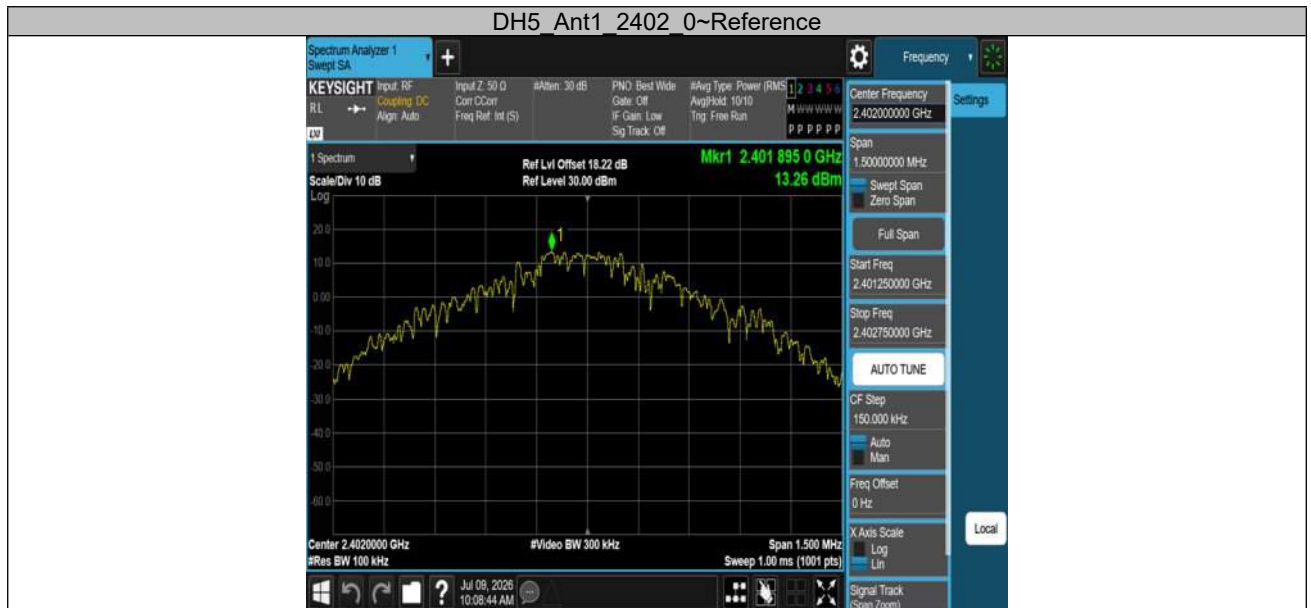


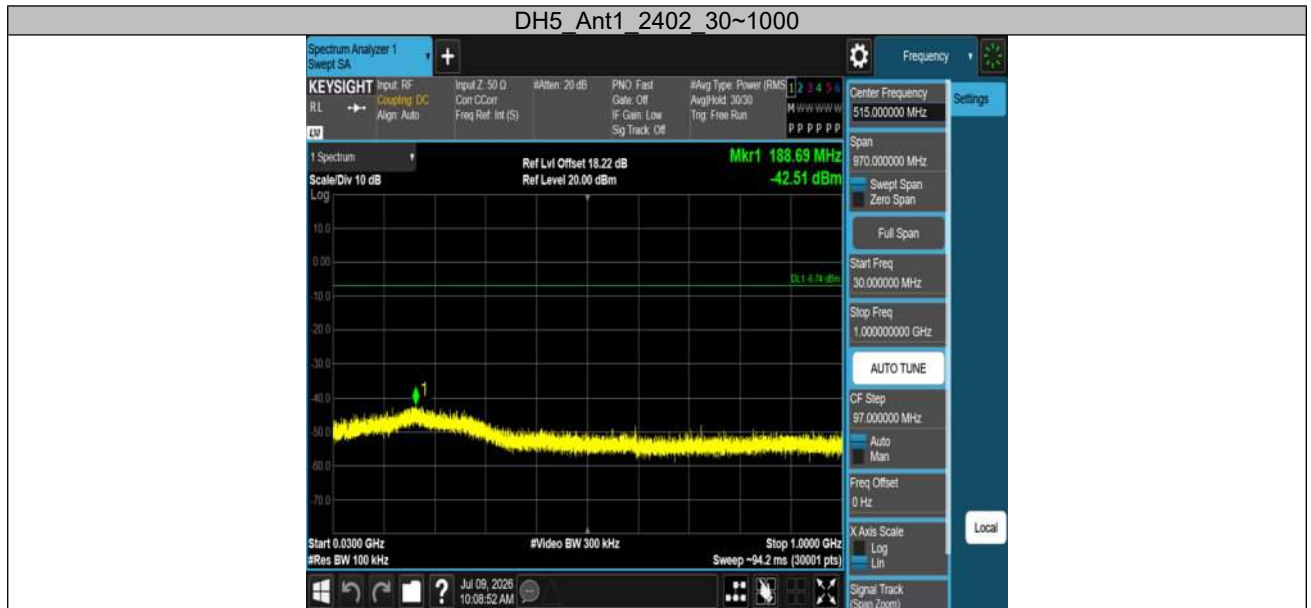


Appendix C.6: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

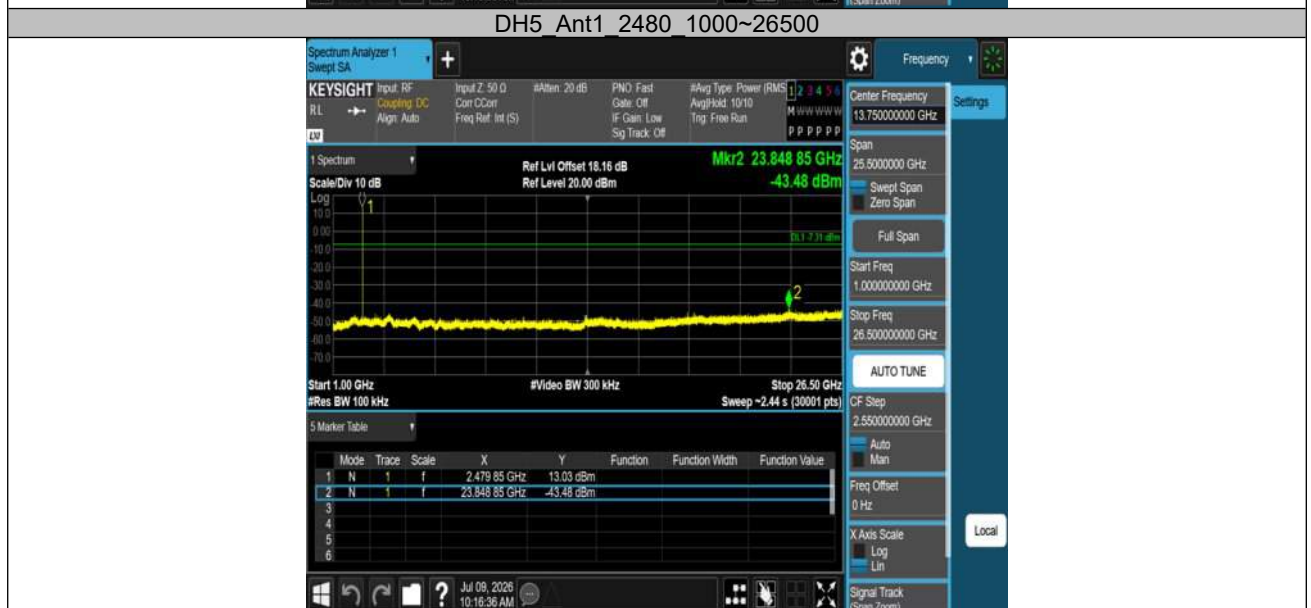
Conducted measurements

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	13.26	13.26	---	PASS
			30~1000	13.26	-42.51	≤-6.74	PASS
			1000~26500	13.26	-43.28	≤-6.74	PASS
		2441	Reference	13.09	13.09	---	PASS
			30~1000	13.09	-41.25	≤-6.91	PASS
			1000~26500	13.09	-43.35	≤-6.91	PASS
		2480	Reference	12.69	12.69	---	PASS
			30~1000	12.69	-41.23	≤-7.31	PASS
			1000~26500	12.69	-43.48	≤-7.31	PASS
3DH5	Ant1	2402	Reference	11.83	11.83	---	PASS
			30~1000	11.83	-41.38	≤-8.17	PASS
			1000~26500	11.83	-43.39	≤-8.17	PASS
		2441	Reference	11.32	11.32	---	PASS
			30~1000	11.32	-42.39	≤-8.68	PASS
			1000~26500	11.32	-43.45	≤-8.68	PASS
		2480	Reference	8.70	8.70	---	PASS
			30~1000	8.70	-42.11	≤-11.3	PASS
			1000~26500	8.70	-43.79	≤-11.3	PASS









3DH5_Ant1_2402_30~1000

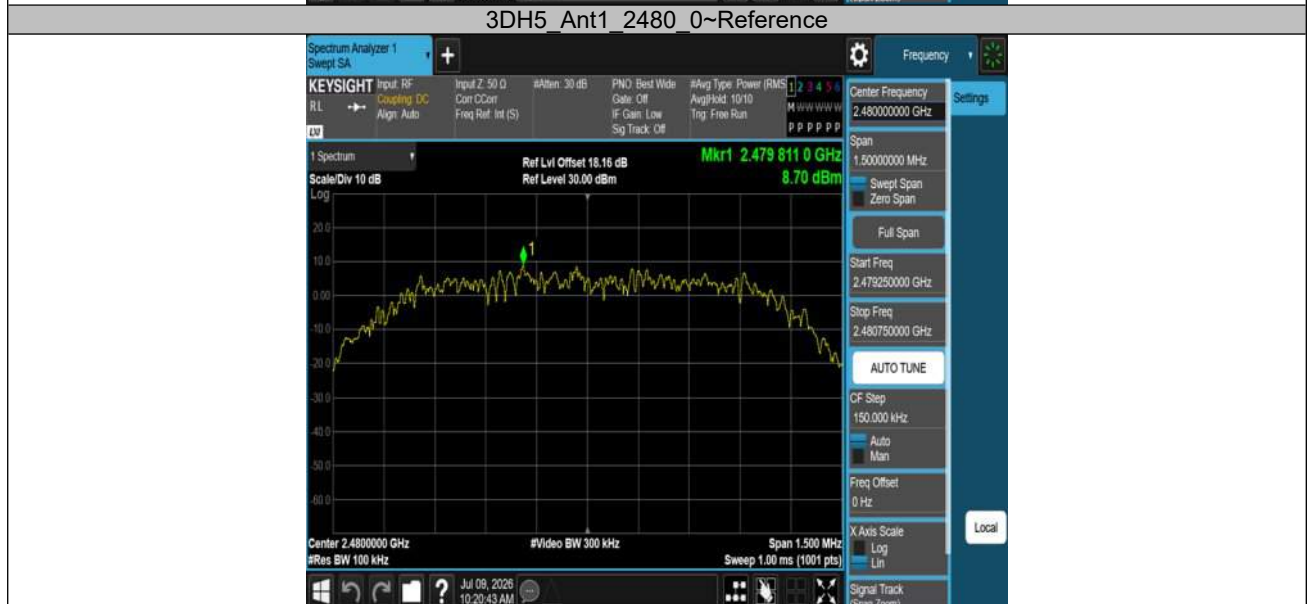


3DH5_Ant1_2402_1000~26500



3DH5_Ant1_2441_0~Reference





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Band edge measurements

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	14.07	-39.40	≤-5.94	PASS
		High	2480	13.18	-41.06	≤-6.82	PASS
3DH5	Ant1	Low	2402	14.17	-39.42	≤-5.83	PASS
		High	2480	13.41	-41.40	≤-6.59	PASS
DH5	Ant1	Hopping	2402	13.24	-41.93	≤-6.76	PASS
		Hopping	2480	12.26	-40.85	≤-7.74	PASS
3DH5	Ant1	Hopping	2402	8.53	-40.51	≤-11.47	PASS
		Hopping	2480	10.56	-41.63	≤-9.44	PASS



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3DH5 Ant1 Low 2402



3DH5 Ant1 High 2480



DH5 Ant1 Hopping 2402



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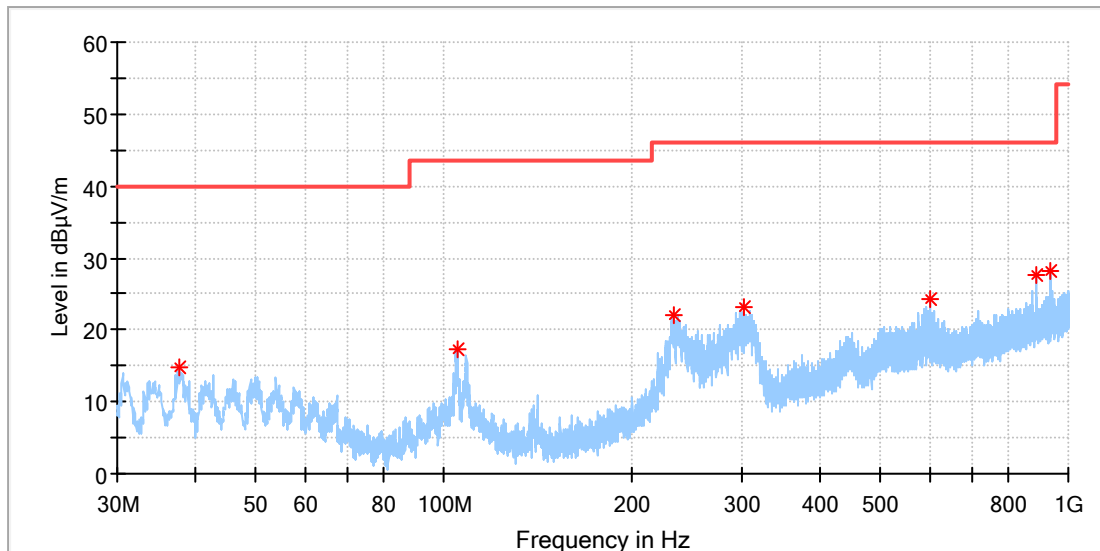
Appendix C.7: Test Results of Radiated Spurious Emissions

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:	OPENFIT 2 AI
Model:	SHOKZ T922
Test Mode:	BR DH5_Mid channel
Order No/Sample No:	A004314451-011
Test Voltage:	Battery
Remark:	Temp 23.2°C Humi:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

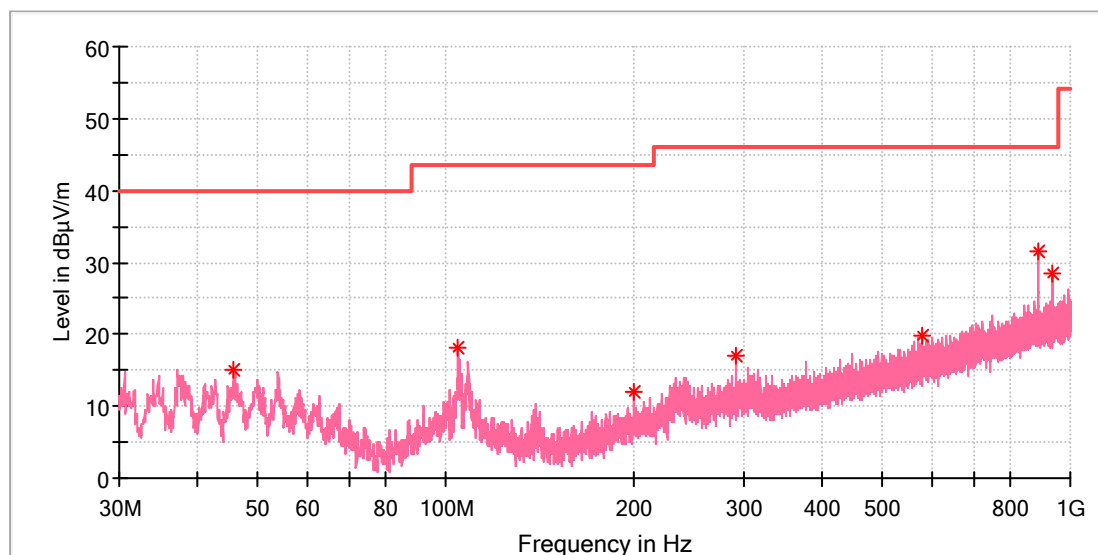


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
37.760000	14.79	40.00	25.21	100.0	H	296.0	-20.9
105.282778	17.43	43.50	26.07	100.0	H	77.0	-18.9
233.107222	22.13	46.00	23.87	100.0	H	114.0	-18.0
303.378333	23.25	46.00	22.75	100.0	H	317.0	-16.2
601.006667	24.19	46.00	21.81	100.0	H	105.0	-9.7
890.982778	27.72	46.00	18.28	100.0	H	325.0	-4.9
938.405000	28.25	46.00	17.75	100.0	H	77.0	-4.4

EUT Information

EUT Name: OPENFIT 2 AI
Model: SHOKZ T922
Test Mode: BR DH5_Mid channel
Order No/Sample No: A004314451-011
Test Voltage: Battery
Remark: Temp 23.2°C Humi:51%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

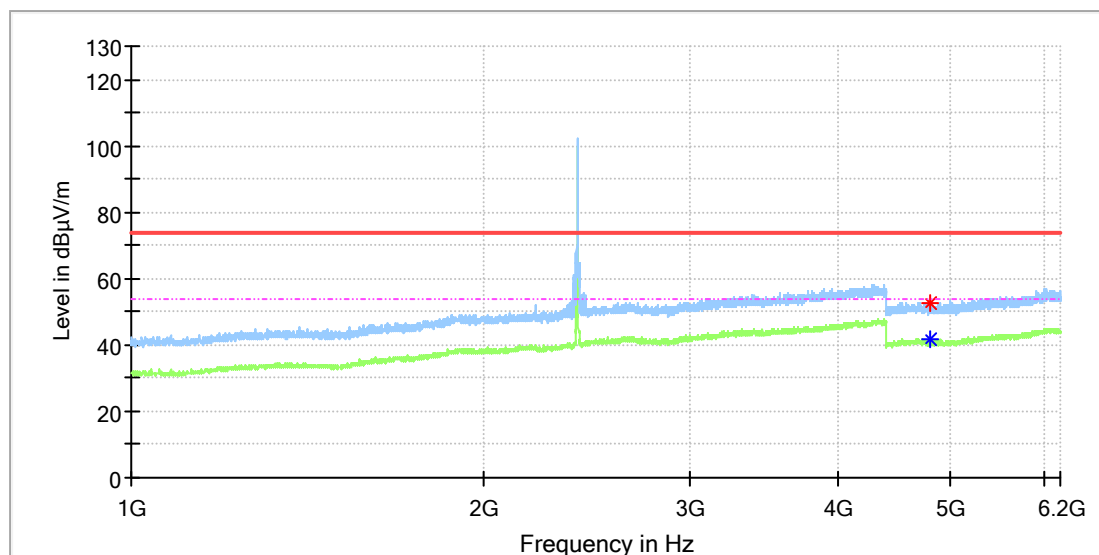
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
45.843333	14.97	40.00	25.03	100.0	V	211.0	-18.8
104.797778	18.03	43.50	25.47	100.0	V	279.0	-18.9
199.696111	11.92	43.50	31.58	100.0	V	339.0	-19.1
291.900000	17.05	46.00	28.95	100.0	V	76.0	-16.5
577.888333	19.75	46.00	26.25	100.0	V	224.0	-10.2
890.982778	31.61	46.00	14.39	100.0	V	333.0	-4.9
936.950000	28.33	46.00	17.67	100.0	V	347.0	-4.4

1GHz - 18GHz

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

EUT Information

EUT Name:	OPENFIT 2 AI
Model:	SHOKZ T922
Test Mode:	BR DH5_Low channel
Order No/Sample No:	A004314451-011
Test Voltage:	Battery
Remark:	Temp 23.2°C Humi:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

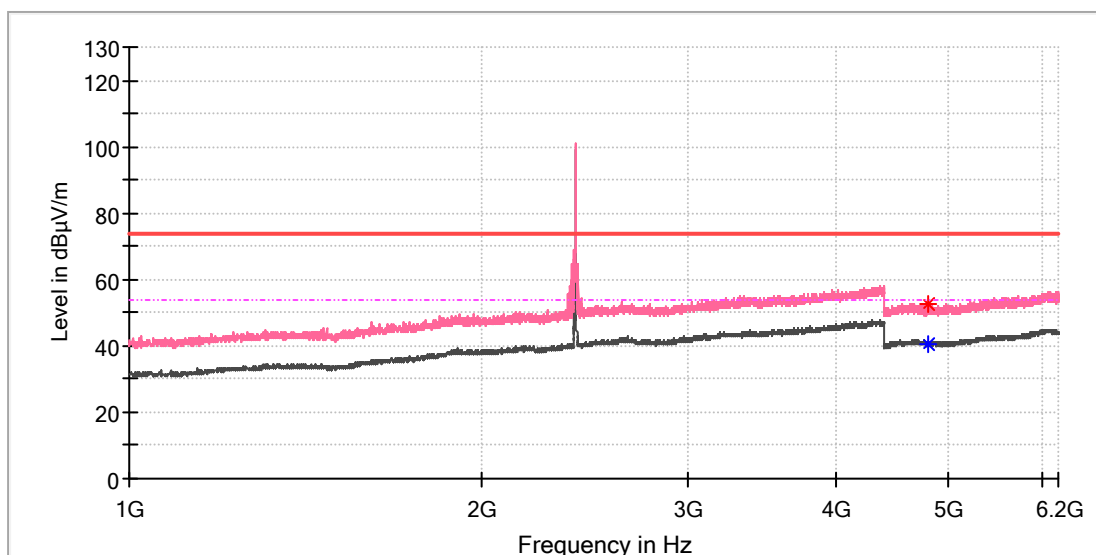


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4804.500000	---	41.62	54.00	12.38	150.0	H	41.0	13.3
4805.000000	52.47	---	74.00	21.53	150.0	H	164.0	13.3

EUT Information

EUT Name:	OPENFIT 2 AI
Model:	SHOKZ T922
Test Mode:	BR DH5_Low channel
Order No/Sample No:	A004314451-011
Test Voltage:	Battery
Remark:	Temp 23.2°C Humi:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

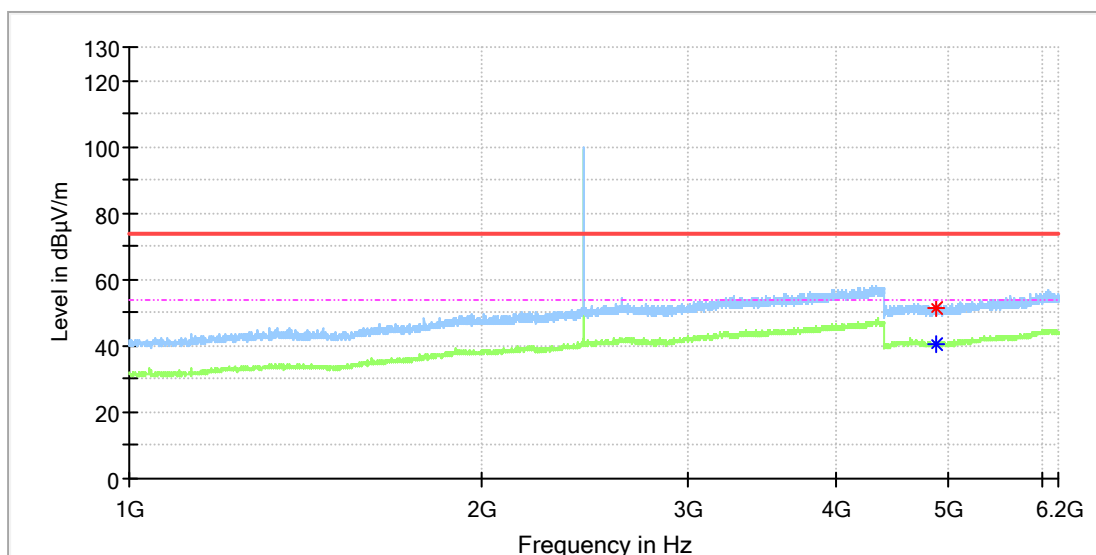


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4804.500000	---	40.80	54.00	13.20	150.0	V	5.0	13.3
4805.000000	52.42	---	74.00	21.58	150.0	V	316.0	13.3

EUT Information

EUT Name:	OPENFIT 2 AI
Model:	SHOKZ T922
Test Mode:	BR DH5_Mid channel
Order No/Sample No:	A004314451-011
Test Voltage:	Battery
Remark:	Temp 23.2°C Humi:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

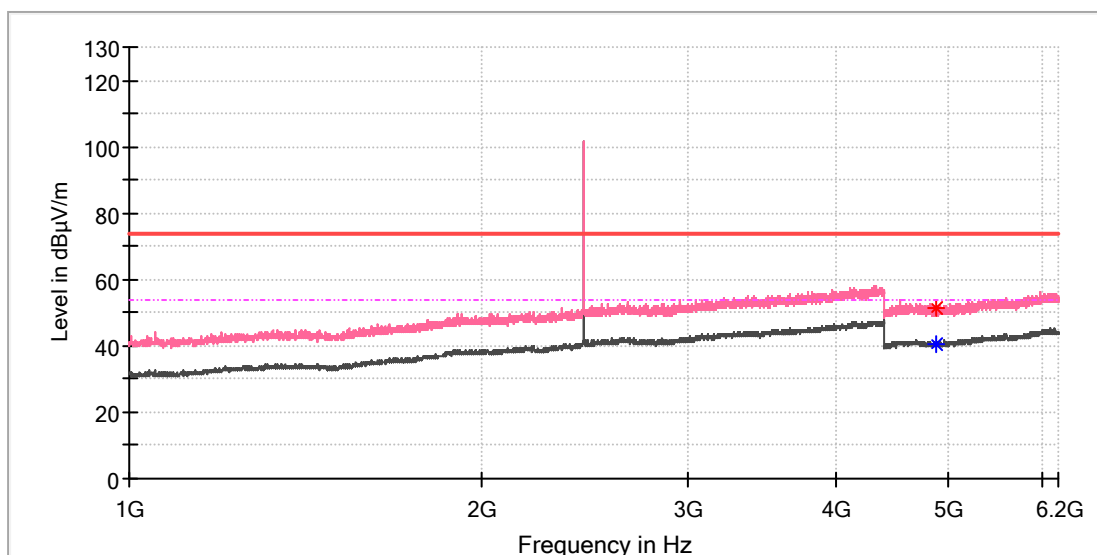


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4882.500000	51.52	---	74.00	22.48	150.0	H	2.0	13.3
4883.500000	---	40.69	54.00	13.31	150.0	H	6.0	13.3

EUT Information

EUT Name: OPENFIT 2 AI
Model: SHOKZ T922
Test Mode: BR DH5_Mid channel
Order No/Sample No: A004314451-011
Test Voltage: Battery
Remark: Temp 23.2°C Humi:51%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

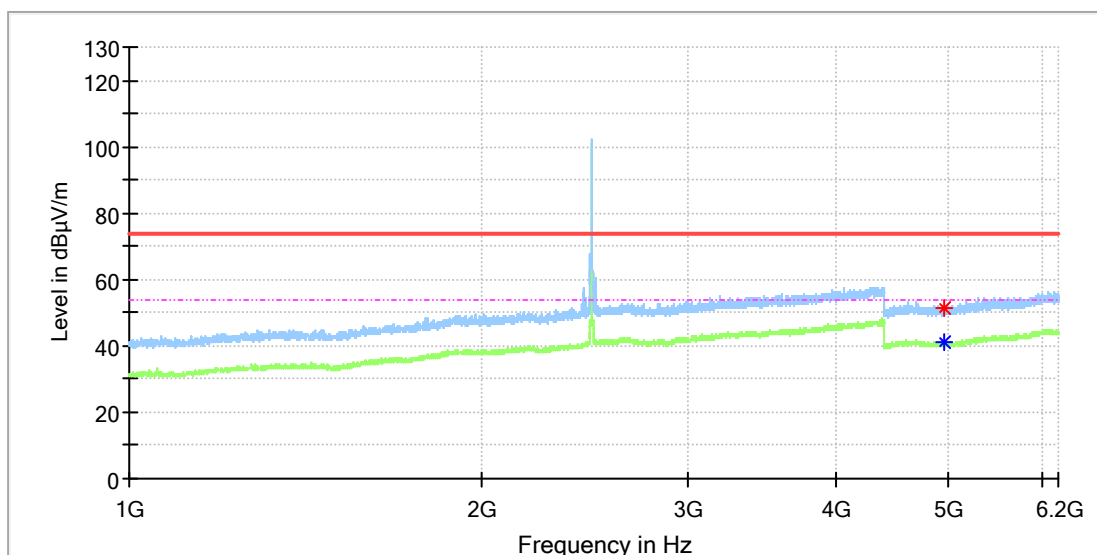


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4883.000000	---	40.67	54.00	13.33	150.0	V	10.0	13.3
4884.000000	51.40	---	74.00	22.60	150.0	V	183.0	13.3

EUT Information

EUT Name:	OPENFIT 2 AI
Model:	SHOKZ T922
Test Mode:	BR DH5_High channel
Order No/Sample No:	A004314451-011
Test Voltage:	Battery
Remark:	Temp 23.2°C Humi:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

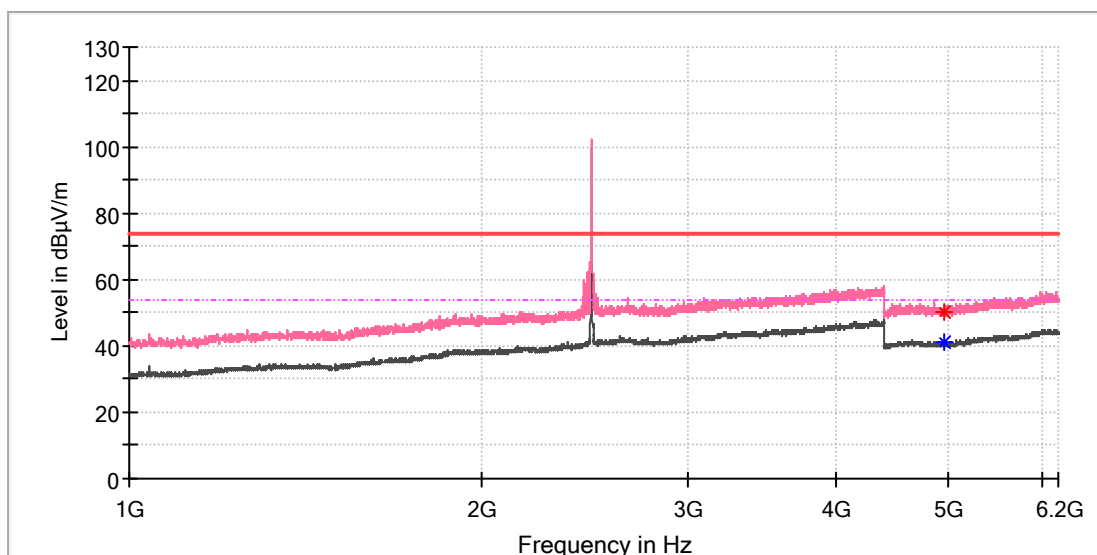


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4958.000000	---	40.96	54.00	13.04	150.0	H	117.0	13.3
4960.500000	51.67	---	74.00	22.33	150.0	H	189.0	13.3

EUT Information

EUT Name:	OPENFIT 2 AI
Model:	SHOKZ T922
Test Mode:	BR DH5_High channel
Order No/Sample No:	A004314451-011
Test Voltage:	Battery
Remark:	Temp 23.2°C Humi:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

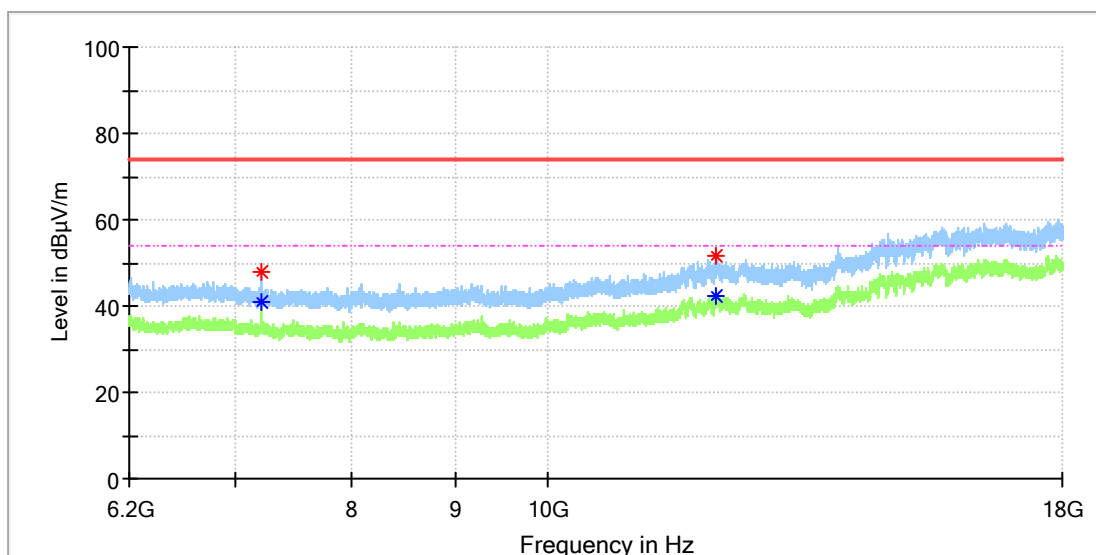


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4959.500000	---	41.16	54.00	12.84	150.0	V	126.0	13.3
4960.000000	50.43	---	74.00	23.57	150.0	V	30.0	13.3

EUT Information

EUT Name:	OPENFIT 2 AI
Model:	SHOKZ T922
Test Mode:	BR DH5_Low channel
Order No/Sample No:	A004314451-011
Test Voltage:	Battery
Remark:	Temp 23.2°C Humi:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

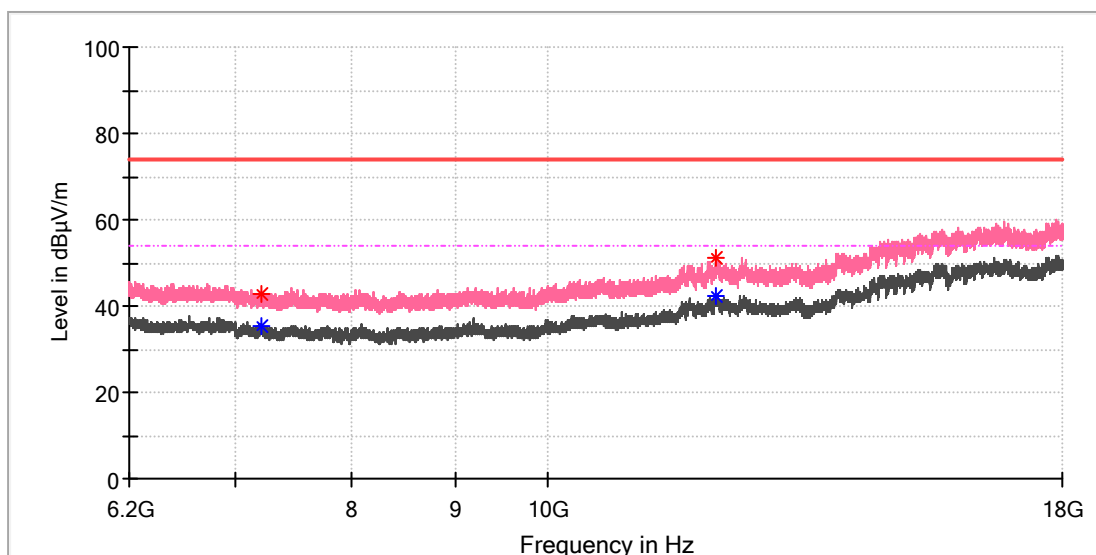


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7205.458333	---	40.74	54.00	13.26	150.0	H	289.0	8.8
7205.458333	47.99	---	74.00	26.01	150.0	H	289.0	8.8
12108.358333	---	42.54	54.00	11.46	150.0	H	187.0	15.7
12108.358333	51.48	---	74.00	22.52	150.0	H	187.0	15.7

EUT Information

EUT Name:	OPENFIT 2 AI
Model:	SHOKZ T922
Test Mode:	BR DH5_Low channel
Order No/Sample No:	A004314451-011
Test Voltage:	Battery
Remark:	Temp 23.2°C Humi:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

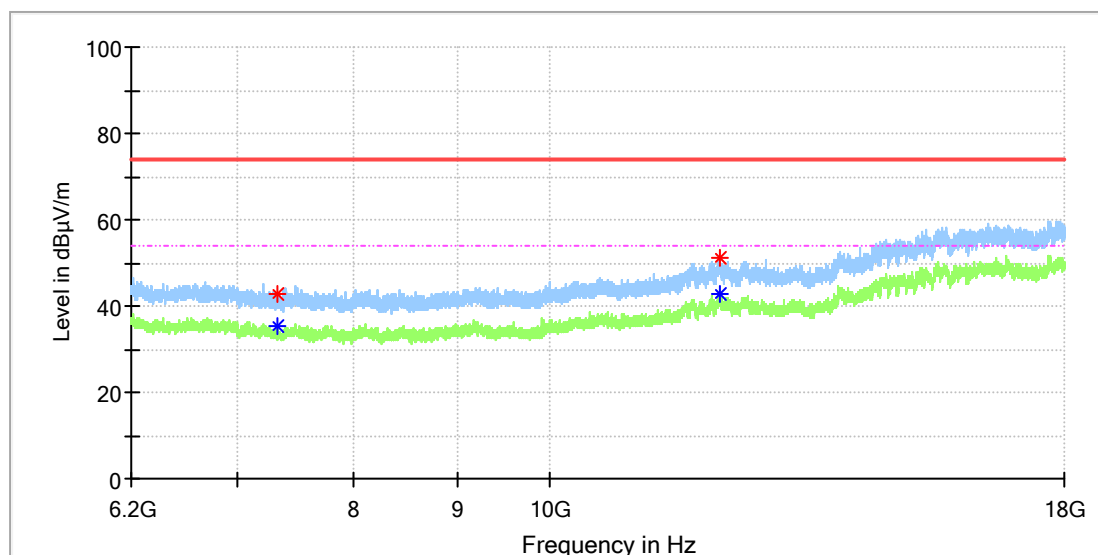


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7205.950000	---	35.30	54.00	18.70	150.0	V	137.0	8.8
7206.441667	42.58	---	74.00	31.42	150.0	V	225.0	8.8
12126.058333	---	42.35	54.00	11.65	150.0	V	104.0	16.1
12128.025000	50.99	---	74.00	23.01	150.0	V	148.0	16.2

EUT Information

EUT Name:	OPENFIT 2 AI
Model:	SHOKZ T922
Test Mode:	BR DH5_Mid channel
Order No/Sample No:	A004314451-011
Test Voltage:	Battery
Remark:	Temp 23.2°C Humi:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

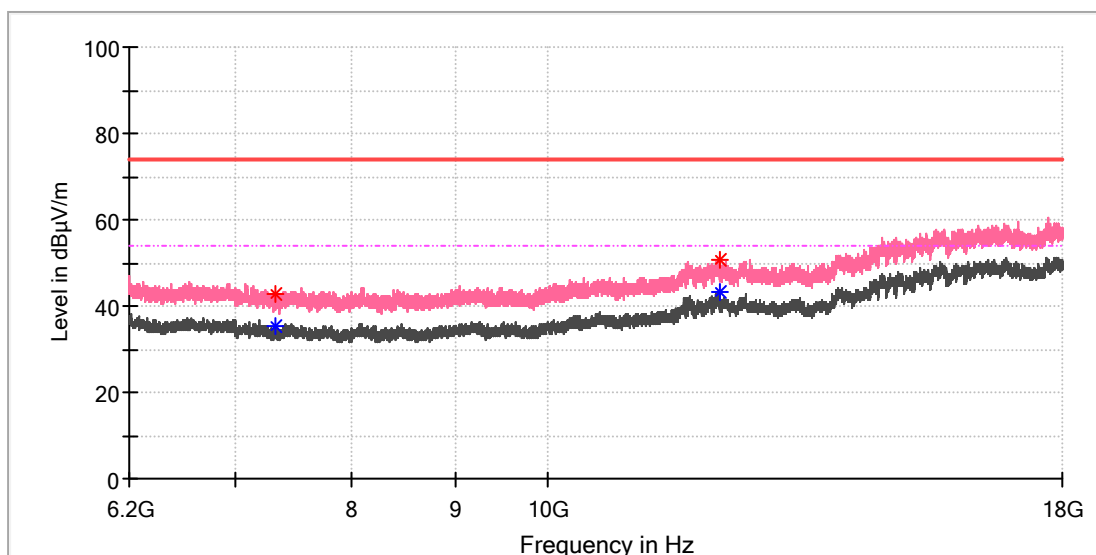


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7321.983333	---	35.23	54.00	18.77	150.0	H	18.0	8.2
7322.966667	42.69	---	74.00	31.31	150.0	H	0.0	8.2
12145.233333	51.24	---	74.00	22.76	150.0	H	39.0	16.6
12148.183333	---	42.75	54.00	11.25	150.0	H	135.0	16.7

EUT Information

EUT Name:	OPENFIT 2 AI
Model:	SHOKZ T922
Test Mode:	BR DH5_Mid channel
Order No/Sample No:	A004314451-011
Test Voltage:	Battery
Remark:	Temp 23.2°C Humi:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

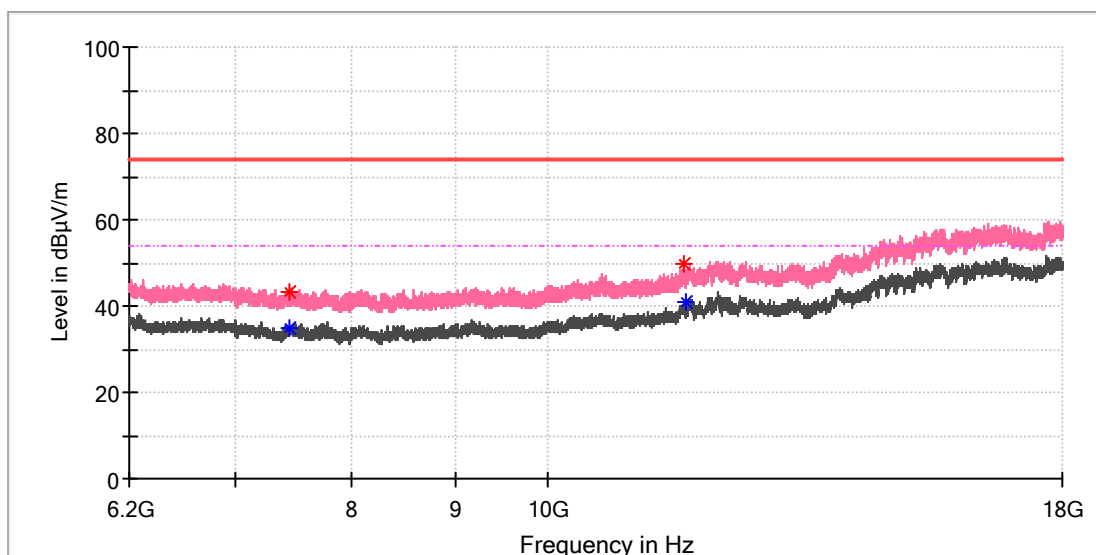


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7328.375000	---	35.19	54.00	18.81	150.0	V	112.0	8.1
7334.766667	43.00	---	74.00	31.00	150.0	V	359.0	8.1
12160.966667	---	43.10	54.00	10.90	150.0	V	99.0	16.2
12163.425000	50.76	---	74.00	23.24	150.0	V	352.0	16.0

EUT Information

EUT Name:	OPENFIT 2 AI
Model:	SHOKZ T922
Test Mode:	BR DH5_High channel
Order No/Sample No:	A004314451-011
Test Voltage:	Battery
Remark:	Temp 23.2°C Humi:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

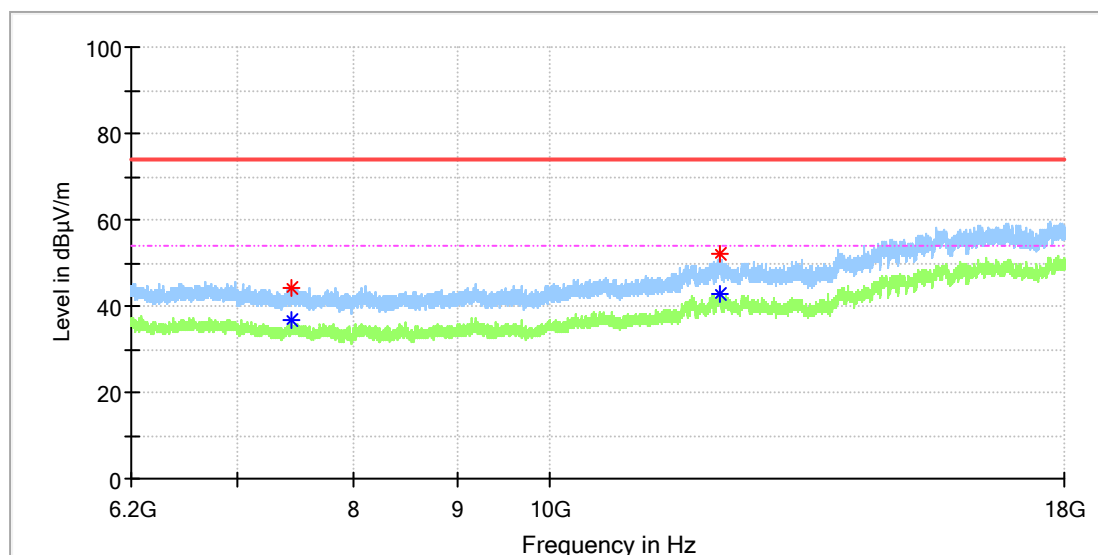


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7439.491667	---	34.69	54.00	19.31	150.0	V	57.0	8.4
7442.441667	43.15	---	74.00	30.85	150.0	V	332.0	8.4
11690.441667	49.98	---	74.00	24.02	150.0	V	148.0	15.2
11697.816667	---	40.73	54.00	13.27	150.0	V	115.0	15.3

EUT Information

EUT Name:	OPENFIT 2 AI
Model:	SHOKZ T922
Test Mode:	BR DH5_High channel
Order No/Sample No:	A004314451-011
Test Voltage:	Battery
Remark:	Temp 23.2°C Humi:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



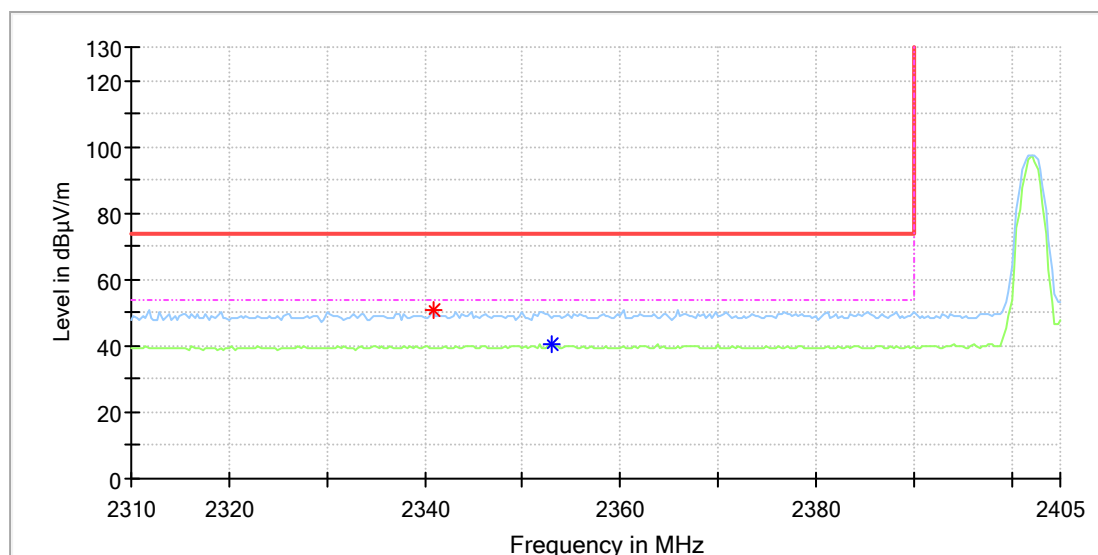
Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7439.491667	---	36.88	54.00	17.12	150.0	H	286.0	8.4
7439.491667	43.99	---	74.00	30.01	150.0	H	286.0	8.4
12152.116667	52.12	---	74.00	21.88	150.0	H	130.0	16.6
12153.100000	---	42.86	54.00	11.14	150.0	H	81.0	16.6

Appendix C.8: Test Results of Radiated Emissions in Restricted Bands

EUT Information

EUT Name:	OPENFIT 2 AI
Model:	SHOKZ T922
Test Mode:	BR DH5_Low channel
Order No/Sample No:	A004314451-011
Test Voltage:	Battery
Remark:	Temp 23.2°C Humi:51%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

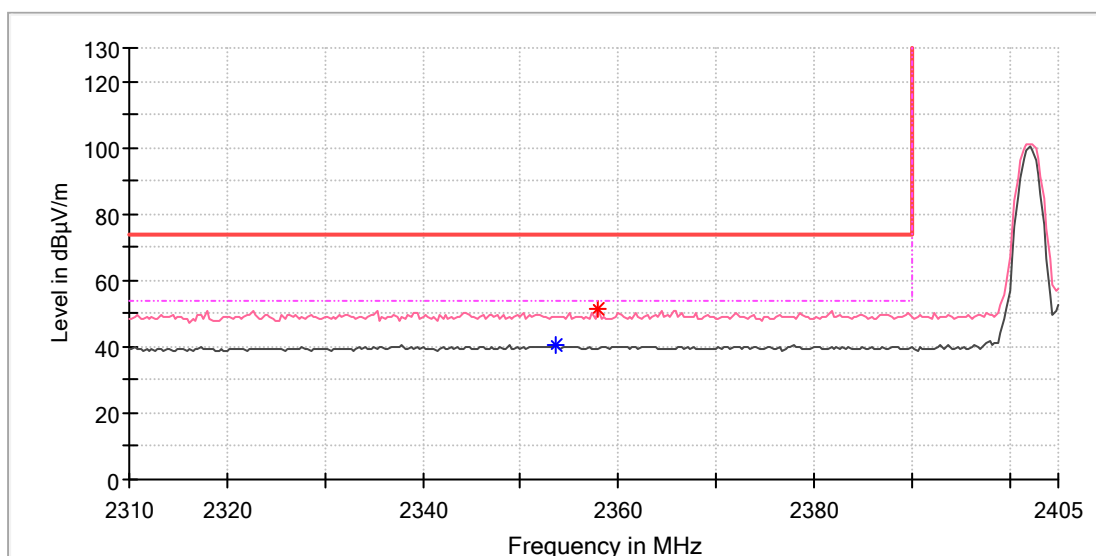


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2340.882353	50.65	---	74.00	23.35	150.0	H	8.0	8.4
2352.941177	---	40.39	54.00	13.61	150.0	H	138.0	8.5

EUT Information

EUT Name: OPENFIT 2 AI
Model: SHOKZ T922
Test Mode: BR DH5_Low channel
Order No/Sample No: A004314451-011
Test Voltage: Battery
Remark: Temp 23.2°C Humi:51%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

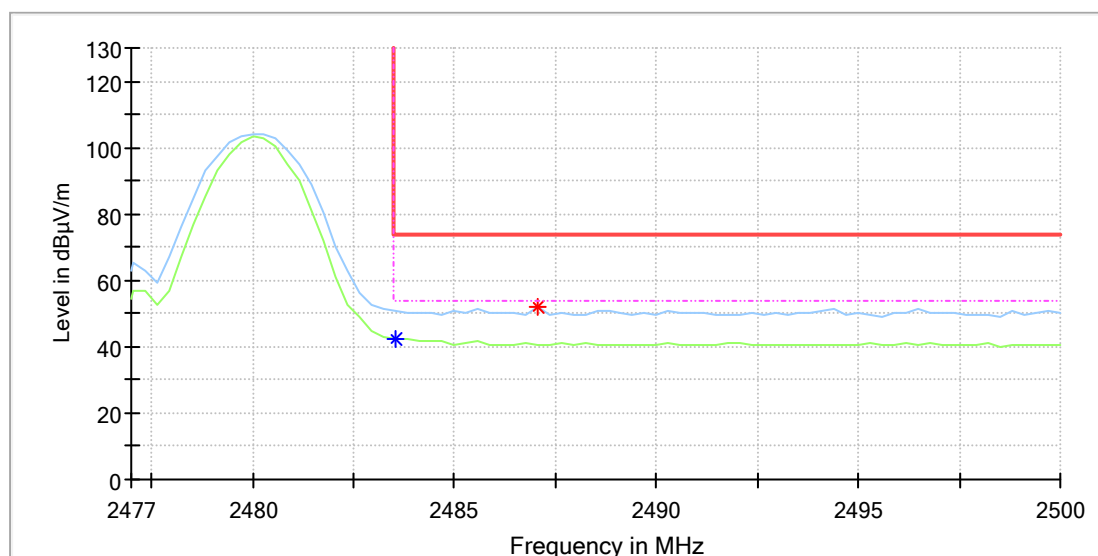


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2353.529412	---	40.77	54.00	13.23	150.0	V	129.0	8.5
2357.941177	51.13	---	74.00	22.87	150.0	V	278.0	8.5

EUT Information

EUT Name: OPENFIT 2 AI
Model: SHOKZ T922
Test Mode: BR DH5_High channel
Order No/Sample No: A004314451-011
Test Voltage: Battery
Remark: Temp 23.2°C Humi:51%
Test Standard: FCC 15.247
Tested By: Kei Zhang
Reviewed By: Terry Yin

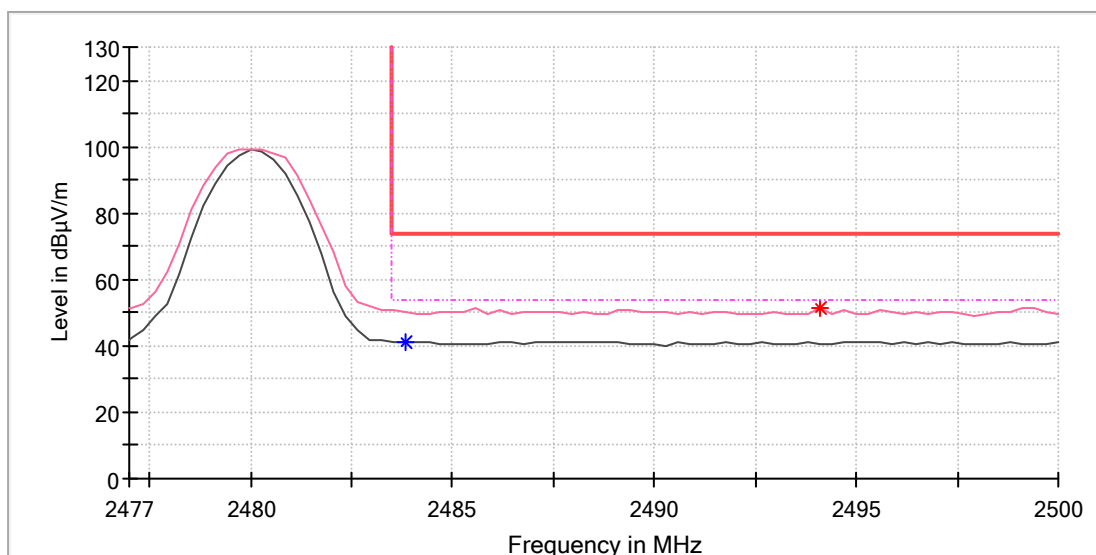


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.529412	---	42.18	54.00	11.82	150.0	H	261.0	9.0
2487.058824	52.00	---	74.00	22.00	150.0	H	276.0	9.0

EUT Information

EUT Name:	OPENFIT 2 AI
Model:	SHOKZ T922
Test Mode:	BR DH5_High channel
Order No/Sample No:	A004314451-011
Test Voltage:	Battery
Remark:	Temp 23.2°C Humi:51%
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)
2483.823529	---	41.41	54.00	12.59	150.0	V	191.0	9.0
2494.117647	51.44	---	74.00	22.56	150.0	V	156.0	9.0