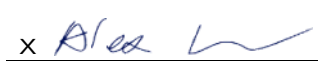


Prüfbericht-Nr.: Test report no.:	CN26ZHOV 002	Auftrags-Nr.: Order no.:	27249135	Page 1 of 25 Seite 1 von 25
Kunden-Referenz-Nr.: Client reference no.:	N/A	Auftragsdatum: Order date:	2026-08-03	
Auftraggeber: Client:	Harman International Industries, Incorporated 8500 Balboa Blvd, Northridge, CA 91325, USA			
Prüfgegenstand: Test item:	BLUETOOTH HEADSET			
Bezeichnung / Typ-Nr.: Identification / Type no.:	TOUR ONE M4 (Trademark: JBL)			
Auftrags-Inhalt: Order content:	Type test			
Prüfgrundlage: Test specification:	CFR Title 47 FCC Part 15: Subpart C Section 15.247 RSS-247 Issue 4 July 2025 RSS-Gen Issue 6 July 2026			
Wareneingangsdatum: Date of sample receipt:	2026-07-27	Refer to photos document		
Prüfmuster-Nr.: Test sample no.:	A004347431			
Prüfzeitraum: Testing period:	2026-07-27 – 2026-08-14			
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:	2026-10-12	Signed by: Harry W. C. Wu	Ausstellungsdatum: Issue date:	2026-10-12 Signed by: Alex Lan
Stellung / Position:	Project Manager		Stellung / Position:	Authorizer
Sonstiges / Other:	This test report is for Classic Bluetooth function of TOUR ONE M4. FCC ID: APITOURONEM4 IC: 6132A-TOURONEM4 HVIN: TOUR ONE M4			
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>
2	As contractually agreed, this document has been signed digitally only. TÜV Rheinland has not verified and unable to verify which legal or other pertaining requirements are applicable for this document. Such verification is within the responsibility of the user of this document. Upon request by its client, TÜV Rheinland can confirm the validity of the digital signature by a separate document. Such request shall be addressed to our Sales department. An environmental fee for such additional service will be charged. <i>Wie vertraglich vereinbart, wurde dieses Dokument nur digital unterzeichnet. Der TÜV Rheinland hat nicht überprüft, welche rechtlichen oder sonstigen diesbezüglichen Anforderungen für dieses Dokument gelten. Diese Überprüfung liegt in der Verantwortung des Benutzers dieses Dokuments. Auf Verlangen des Kunden kann der TÜV Rheinland die Gültigkeit der digitalen Signatur durch ein gesondertes Dokument bestätigen. Diese Anfrage ist an unseren Vertrieb zu richten. Eine Umweltgebühr für einen solchen zusätzlichen Service wird erhoben.</i>
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 FREQUENCY STABILITY

RESULT: Pass

5.1.9 NUMBER OF HOPPING FREQUENCY

RESULT: Pass

5.1.10 TIME OF OCCUPANCY

RESULT: Pass

5.1.11 CONDUCTED EMISSION ON AC MAINS

RESULT: Pass

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1 General Remarks

1.1 Complementary Materials

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

Appendix A: Photographs of the Test Set-up

Appendix B: Test Results of Classic Bluetooth.

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
Humid & Temp Programmable Tester	BOST	NTH090-60	19040801	22.09.2026
Test Software	Tonscend	JS1120-3	N/A	N/A
Control PC	Lenovo	TianYi510S-071MB	YLX23JMF	N/A
Shielding Room	Albatross	SR1	APC17151-SR1	13.09.2027
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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Conducted Emission				
Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
EMI Test Receiver	R&S	ESR3	102680	03.02.2027
Artificial Mains Network	R&S	ENV216	102333	20.07.2027
Artificial Mains Network	R&S	ENV216	101445	03.02.2027
Shield Cable(9k-30MHz)	N/A	N/A	N/A	21.12.2026
EMC32 Test Software	R&S	EMC32(Ver.10.50.00)	N/A	N/A

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 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 product is a Bluetooth Headset, which supports Bluetooth dual mode technology.

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

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	BLUETOOTH HEADSET
Type Designation	TOUR ONE M4
Trademark	JBL
FCC ID	APITOURONEM4
IC	6132A-TOURONEM4
HVIN	TOUR ONE M4
Extreme Temperature Range	0°C to +40°C
Operating Voltage	5Vdc;1A, Li-ion battery: 3.8Vdc, 1000mAh, 3.8Wh
Technical Specification of Classical Bluetooth	
Operating Frequency band	2402 ~ 2480 MHz
Channel Number	79 channels
Channel separation	1MHz
Modulation	GFSK, $\pi/4$ DQPSK
Antenna Type	FPC antenna
Antenna Gain	0.96 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 37 channels for data rate 2Mbps Note: 2402MHz/2426MHz/2480MHz will be disable via software for data rate 2Mbps.
Channel separation	2MHz
Data rate	1Mbps, 2Mbps
Modulation	GFSK
Antenna Type	FPC antenna
Antenna Gain	0.96 dBi (Provided by the Client)

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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
 - 1. Bluetooth transmitting mode (BR & EDR mode)
 - a) Low Channel
 - b) Middle Channel
 - c) High Channel
- B. On, Transmitting on Hopping channel
- C. On, Bluetooth connecting mode
- D. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.5 Submitted Documents

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

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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
AC/DC Adapter	Xiaomi	MDY-14-EC	Input: 100-240V, 50/60Hz, 2.0A Output: DC 5V, 3A
Mobile phone	SAMSUNG	Galaxy Z Fold4	RFCT80V5XYF
USB Cable	YONG DA	C/M-C/M	Cable Length:1.2 meters
USB Cable (Alternative)	Freeport Precision	C/M-C/M	Cable Length:1.2 meters

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)

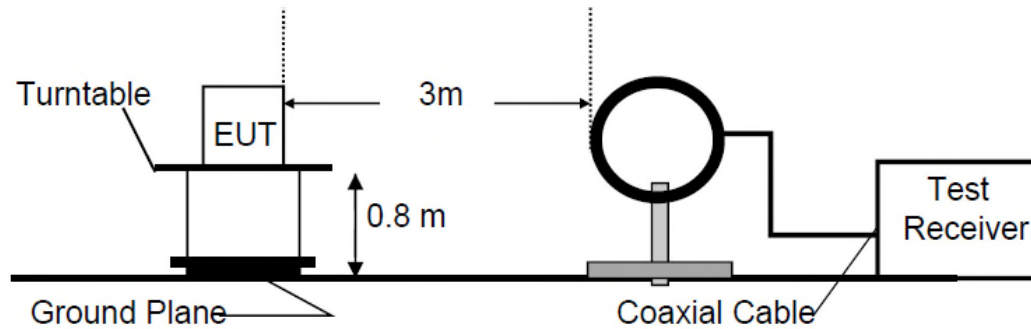


Diagram of Measurement Configuration for Radiation Test (Below 1GHz)

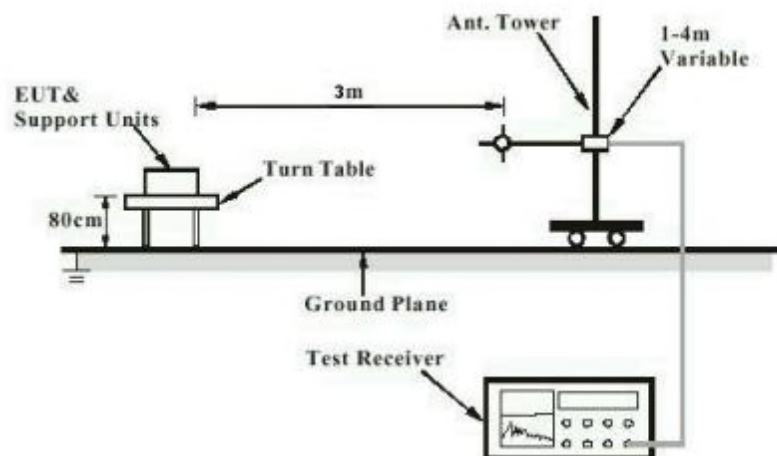


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

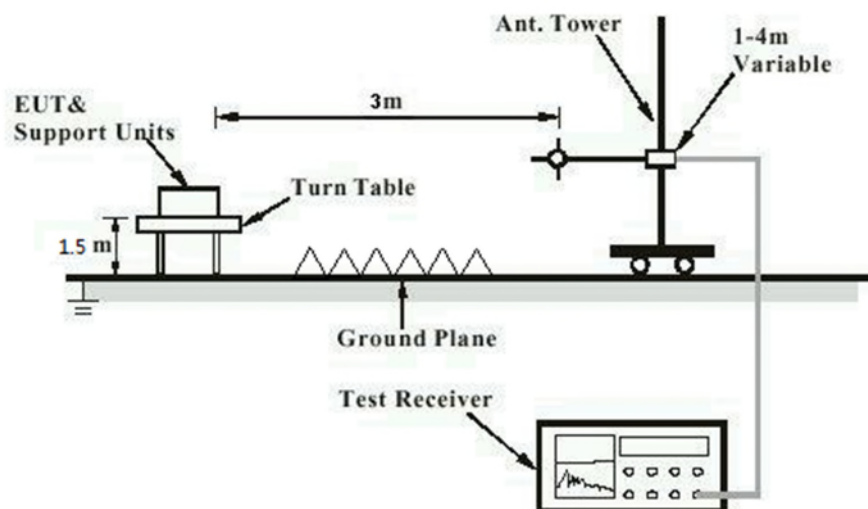


Diagram of Measurement Configuration for Mains Conduction Measurement

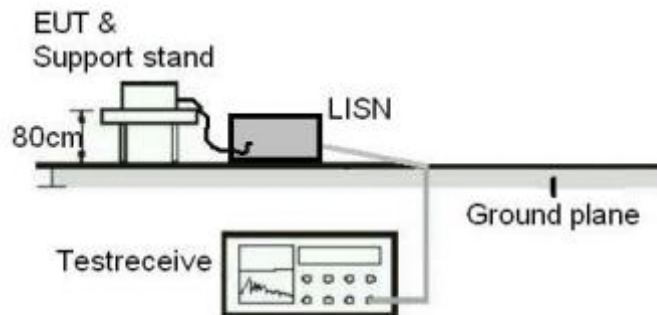
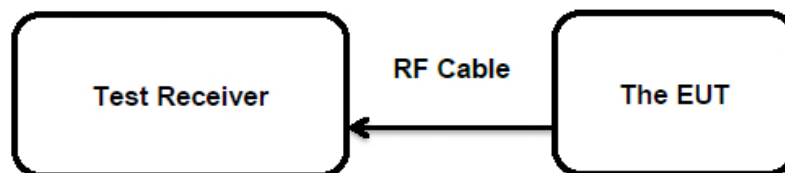


Diagram of Measurement Configuration for Conducted Transmitter Measurement



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5 Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT:

Pass

Test Specification

Test standard : FCC Part 15.247(b)(4) and Part 15.203
RSS-Gen Clause 8.3

According to the manufacturer declared, the EUT has one FPC antenna, the directional gain of antennas is 0.96 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.

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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 5.4(b)
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	2026-07-27 to 2026-08-14
Input voltage	DC 3.8V
Operation mode	A.1
Test channel	Low / Middle / High
Ambient temperature	24.3 °C
Relative humidity	48.9 %
Atmospheric pressure	101 kPa

Table 6: Test Result of Maximum Conducted Output Power

Test Mode	Channel Frequency (MHz)	Measured Peak Output Power		Limit (W)
		(dBm)	(W)	
BR	2402	9.69	0.00931	< 0.125
	2441	10.70	0.01175	
	2480	9.57	0.00906	
EDR	2402	11.22	0.01324	
	2441	12.26	0.01683	
	2480	11.19	0.01315	
Maximum Measured Value		12.26	0.01683	

Note: The cable loss is taken into account in results and the maximum e.i.r.p. is 13.22dBm 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 : 2026-07-27 to 2026-08-14
Input voltage : DC 3.8V
Operation mode : A.1
Test channel : Low / Middle / High
Ambient temperature : 24.3 °C
Relative humidity : 48.9 %
Atmospheric pressure : 101 kPa

For the measurement records, refer to the appendix B

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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 5.5
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	: 2026-07-27 to 2026-08-14
Input voltage	: DC 3.8V
Operation mode	: A.1
Test channel	: Low / Middle / High
Ambient temperature	: 24.3 °C
Relative humidity	: 48.9 %
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

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Test report no.:Seite 18 von 25
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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 3.3
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 6 & Table 7
Kind of test site	: 3m Semi-anechoic Chamber

Test Setup

Date of testing	: 2026-07-27 to 2026-08-14
Input voltage	: DC 3.8V
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

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Test report no.:

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5.1.6 20dB Bandwidth

RESULT:

Pass

Test Specification

Test standard : FCC Part 15.247(a)(1)
RSS-247 Clause 5.1(a)
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 : 2026-07-27 to 2026-08-14
Input voltage : DC 3.8V
Operation mode : A.1
Test channel : Low / Middle / High
Ambient temperature : 24.3 °C
Relative humidity : 48.9 %
Atmospheric pressure : 101 kPa

For the measurement records, refer to the appendix B

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Test report no.:

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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 5.1(b)
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	: 2026-07-27 to 2026-08-14
Input voltage	: DC 3.8V
Operation mode	: B
Test channel	: Low / Middle / High
Ambient temperature	: 24.3 °C
Relative humidity	: 48.9 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix B

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Test report no.:

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5.1.8 Frequency stability

RESULT:

Pass

Test Specification

Test standard	: RSS-Gen Clause 8.11
Basic standard	: ANSI C63.10-2020, ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024
Limits	: within at least the central 80% of its permitted operating frequency band (2400-2483.5MHz)
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2026-07-27 to 2026-08-14
Input voltage	: DC 3.8V
Operation mode	: B
Ambient temperature	: 24.3 °C
Relative humidity	: 48.9 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix B

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Test report no.:

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5.1.9 Number of Hopping Frequency

RESULT:

Pass

Test Specification

Test standard	: FCC part 15.247(a)(1)(iii) RSS-247 Clause 5.1(d)
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	: 2026-07-27 to 2026-08-14
Input voltage	: DC 3.8V
Operation mode	: B
Ambient temperature	: 24.3 °C
Relative humidity	: 48.9 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix B.

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Test report no.:Seite 23 von 25
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5.1.10 Time of Occupancy

RESULT:

Pass

Test Specification

Test standard	: FCC part 15.247(a)(1)(iii) RSS-247 Clause 5.1(d)
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	: 2026-07-27 to 2026-08-14
Input voltage	: DC 3.8V
Operation mode	: B
Test channel	: Low / Middle / High
Ambient temperature	: 24.3 °C
Relative humidity	: 48.9 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix B .

Prüfbericht-Nr.: CN26ZHOV 002
Test report no.:

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5.1.11 Conducted Emission on AC Mains

RESULT:

Pass

Test Specification

Test standard : FCC Part 15.207(a)
RSS-Gen Section 8.8
Basic standard : ANSI C63.10-2020, ANSI C63.10-2020+Cor. 1-
2023+C63.10a-2024
Frequency range : 0.15 – 30MHz
Limits : FCC Part 15.207(a)
RSS-Gen Table 4
Kind of test site : Shielded Room

Test Setup

Date of testing : 2026-07-27 to 2026-08-14
Input voltage : AC 120V, 60Hz
Operation mode : C
Earthing : Not connected
Ambient temperature : Refer to test result
Relative humidity : Refer to test result
Atmospheric pressure : 101 kPa

For the measurement records, refer to the appendix B.

6 Photographs of the Test Set-Up

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

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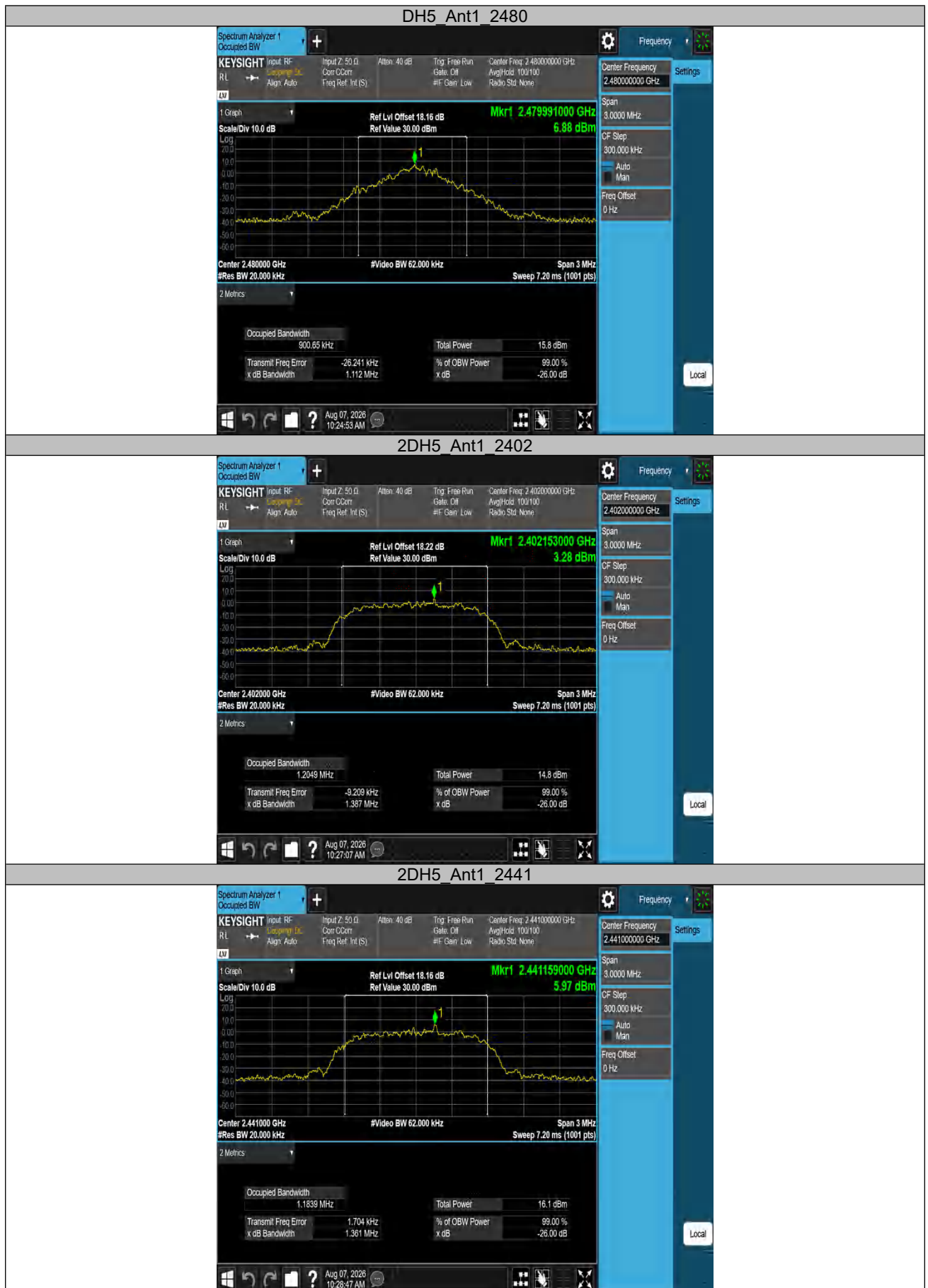
Appendix B: Test Results of Classical Bluetooth

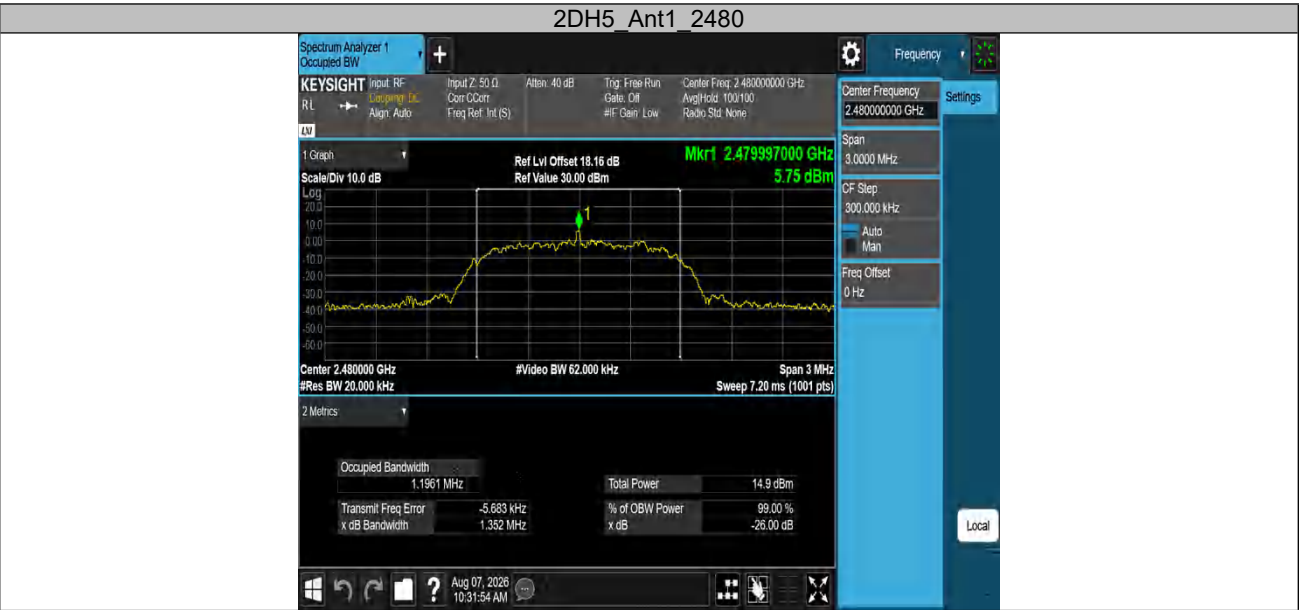
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Appendix B.1: Test Results of 99% Bandwidth

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.89344	2401.5556	2402.4490	---	---
		2441	0.85822	2440.5625	2441.4207	---	---
		2480	0.90065	2479.5234	2480.4241	---	---
2DH5	Ant1	2402	1.2049	2401.3883	2402.5932	---	---
		2441	1.1839	2440.4098	2441.5937	---	---
		2480	1.1961	2479.3963	2480.5924	---	---







Appendix B.2: Test Results of 20dB Bandwidth

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.017	2401.496	2402.513	---	---
		2441	1.032	2440.478	2441.510	---	---
		2480	1.011	2479.502	2480.513	---	---
2DH5	Ant1	2402	1.296	2401.346	2402.642	---	---
		2441	1.266	2440.355	2441.621	---	---
		2480	1.263	2479.352	2480.615	---	---

DH5 Ant1 2402



DH5 Ant1 2441



DH5_Ant1_2480



2DH5_Ant1_2402



2DH5_Ant1_2441





Appendix B.3: Test Results of Frequency stability

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

Test result of frequency tolerance of voltage variation

Voltage	Test result (MHz)	Deviation Frequency (KHz)	Test result (ppm)	Limit (ppm)
DC 3.80V	2402.008	8	3.33	10
DC 3.42V	2402.008	8	3.33	
DC 4.18V	2402.008	8	3.33	

Test result of frequency tolerance of temperature variation

Temperature (°C)	Test result (MHz)	Deviation Frequency (KHz)	Test result (ppm)	Limit (ppm)
-30	2402.013	13	5.41	10
-20	2402.012	12	5.00	
-10	2402.012	12	5.00	
0	2402.010	10	4.16	
10	2402.010	10	4.16	
20	2402.008	8	3.33	
30	2402.008	8	3.33	
40	2402.008	8	3.33	
50	2402.009	9	3.75	
55	2402.009	9	3.75	

Test Channel (MHz)	2441
--------------------	------

Test result of frequency tolerance of voltage variation

Voltage	Test result (MHz)	Deviation Frequency (KHz)	Test result (ppm)	Limit (ppm)
DC 3.80V	2441.000	0	0.00	10
DC 3.42V	2440.999	-1	-0.41	
DC 4.18V	2440.999	-1	-0.41	

Test result of frequency tolerance of temperature variation

Temperature (°C)	Test result (MHz)	Deviation Frequency (KHz)	Test result (ppm)	Limit (ppm)
-30	2440.997	-3	-1.23	10
-20	2440.997	-3	-1.23	
-10	2440.997	-3	-1.23	
0	2440.998	-2	-0.82	
10	2440.999	-1	-0.41	
20	2441.000	0	0.00	
30	2441.000	0	0.00	
40	2441.000	0	0.00	
50	2440.999	-1	-0.41	
55	2440.998	-2	-0.82	

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

Test result of frequency tolerance of voltage variation

Voltage	Test result (MHz)	Deviation Frequency (KHz)	Test result (ppm)	Limit (ppm)
DC 3.80V	2479.993	-7	-2.82	10
DC 3.42V	2479.992	-8	-3.23	
DC 4.18V	2479.993	-7	-2.82	

Test result of frequency tolerance of temperature variation

Temperature (°C)	Test result (MHz)	Deviation Frequency (KHz)	Test result (ppm)	Limit (ppm)
-30	2479.995	-5	-2.02	10
-20	2479.995	-5	-2.02	
-10	2479.994	-6	-2.42	
0	2479.994	-6	-2.42	
10	2479.992	-8	-3.23	
20	2479.993	-7	-2.82	
30	2479.994	-6	-2.42	
40	2479.994	-6	-2.42	
50	2479.993	-7	-2.82	
55	2479.995	-5	-2.02	

Appendix B.4: Test Results of Carrier Frequency Separation

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.004	≥ 0.688	PASS
2DH5	Ant1	Hop	0.994	≥ 0.864	PASS



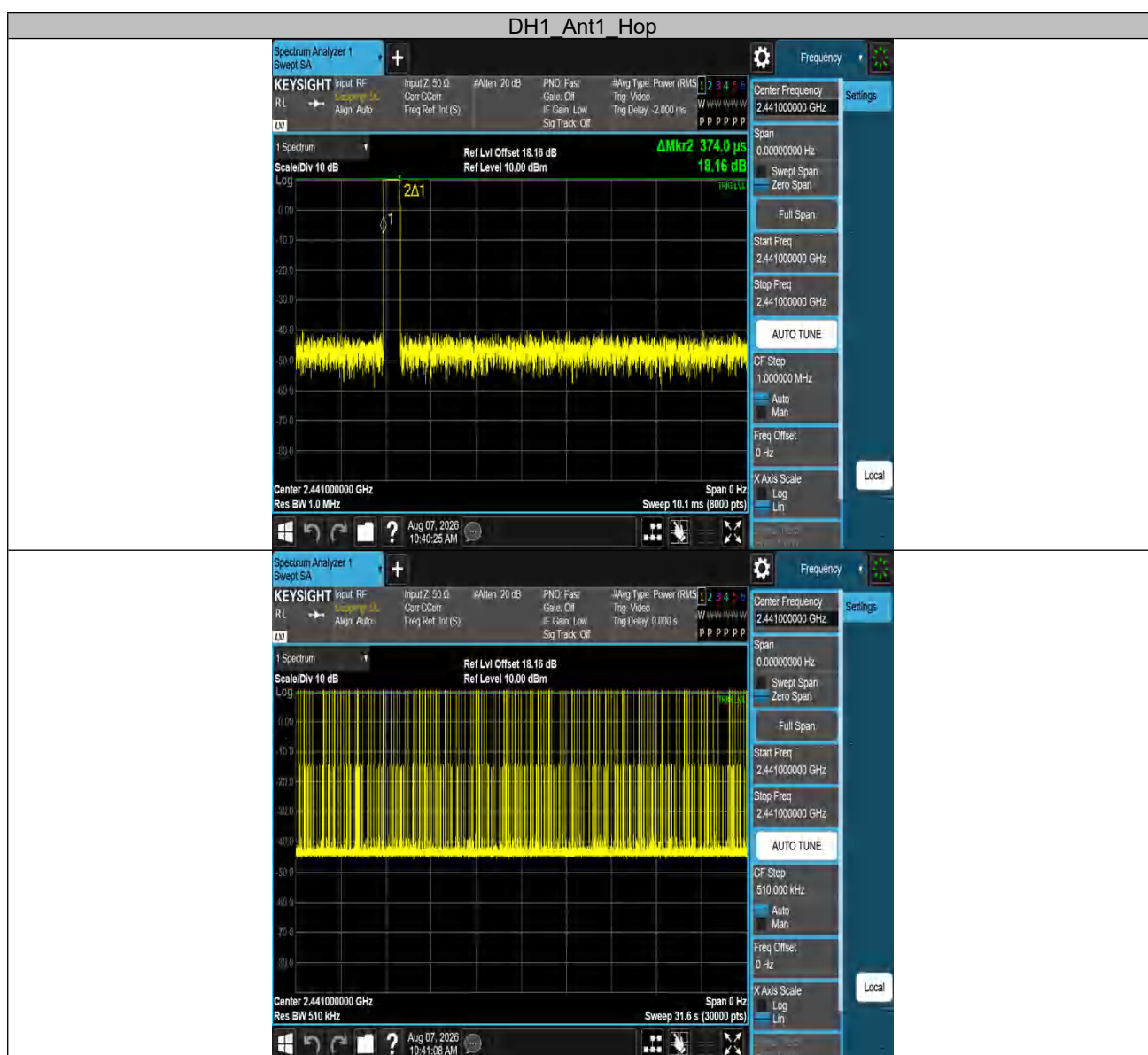
Appendix B.5: Test Results of Number of Hopping Frequency

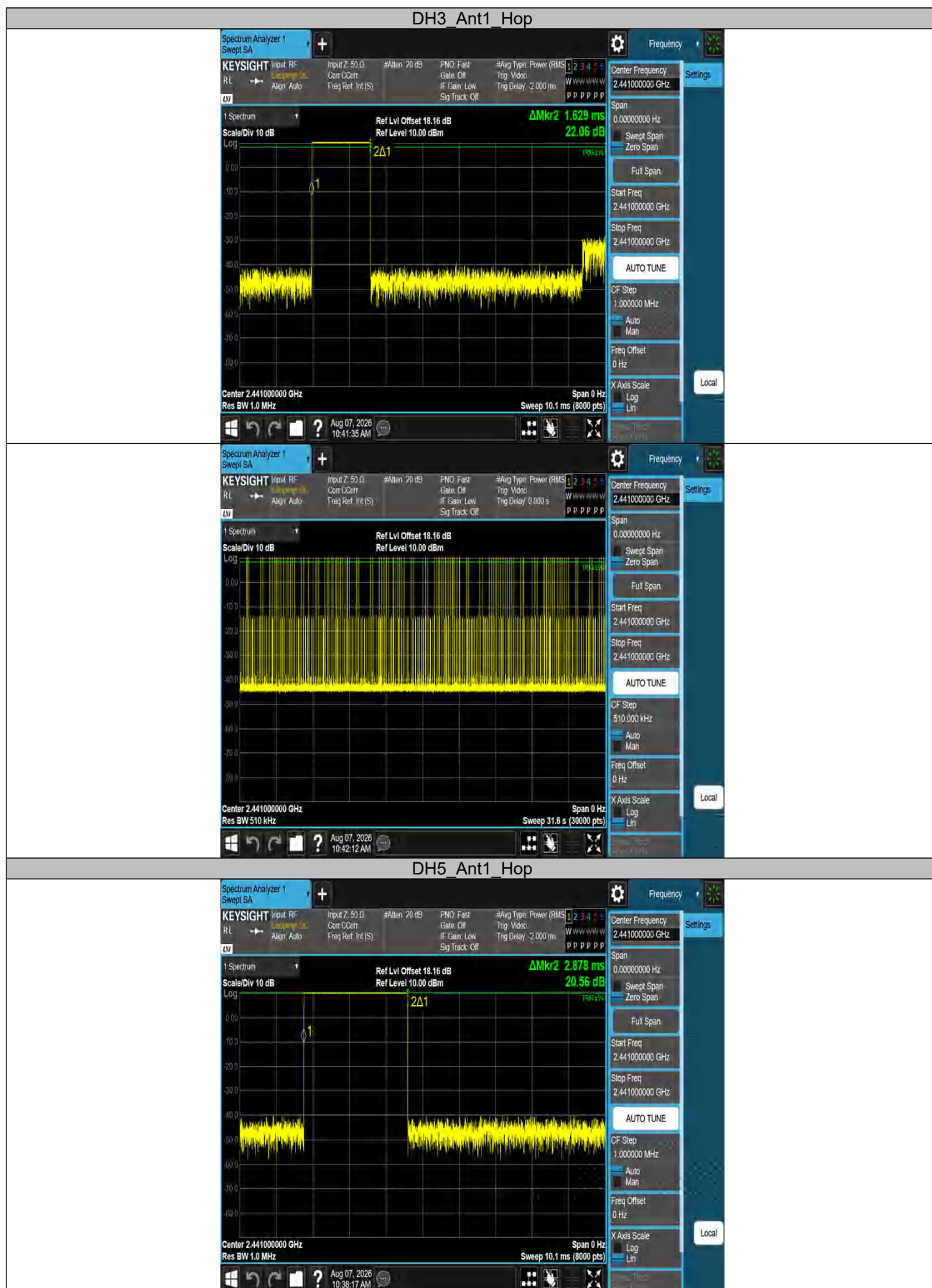
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS

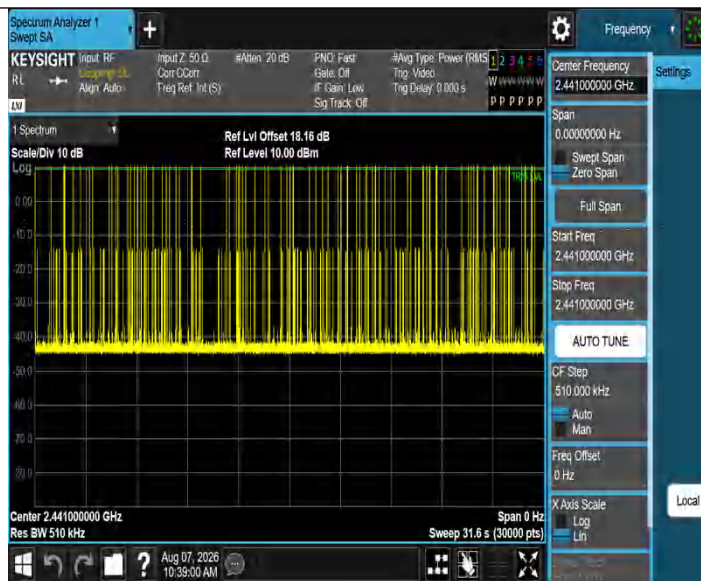


Appendix B.6: Test Results of Time of Occupancy

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.374	160	0.06	≤0.4	PASS
DH3	Ant1	Hop	1.629	109	0.178	≤0.4	PASS
DH5	Ant1	Hop	2.878	85	0.245	≤0.4	PASS
2DH1	Ant1	Hop	0.383	160	0.061	≤0.4	PASS
2DH3	Ant1	Hop	1.633	106	0.173	≤0.4	PASS
2DH5	Ant1	Hop	2.884	78	0.225	≤0.4	PASS

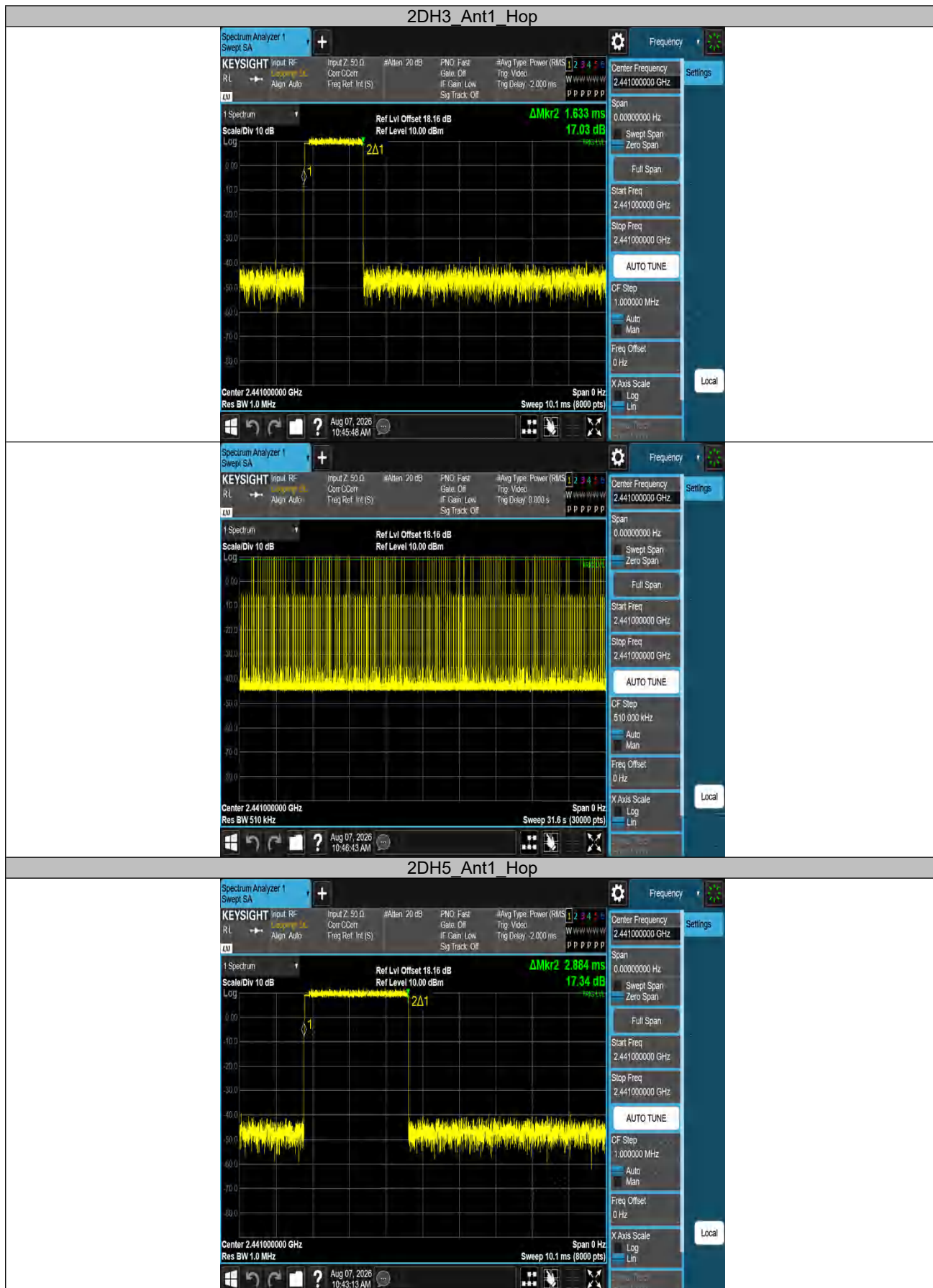


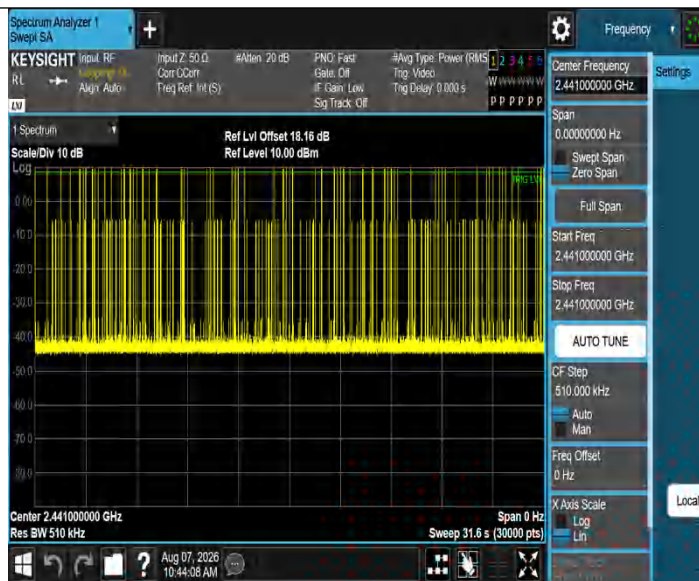




2DH1 Ant1 Hop



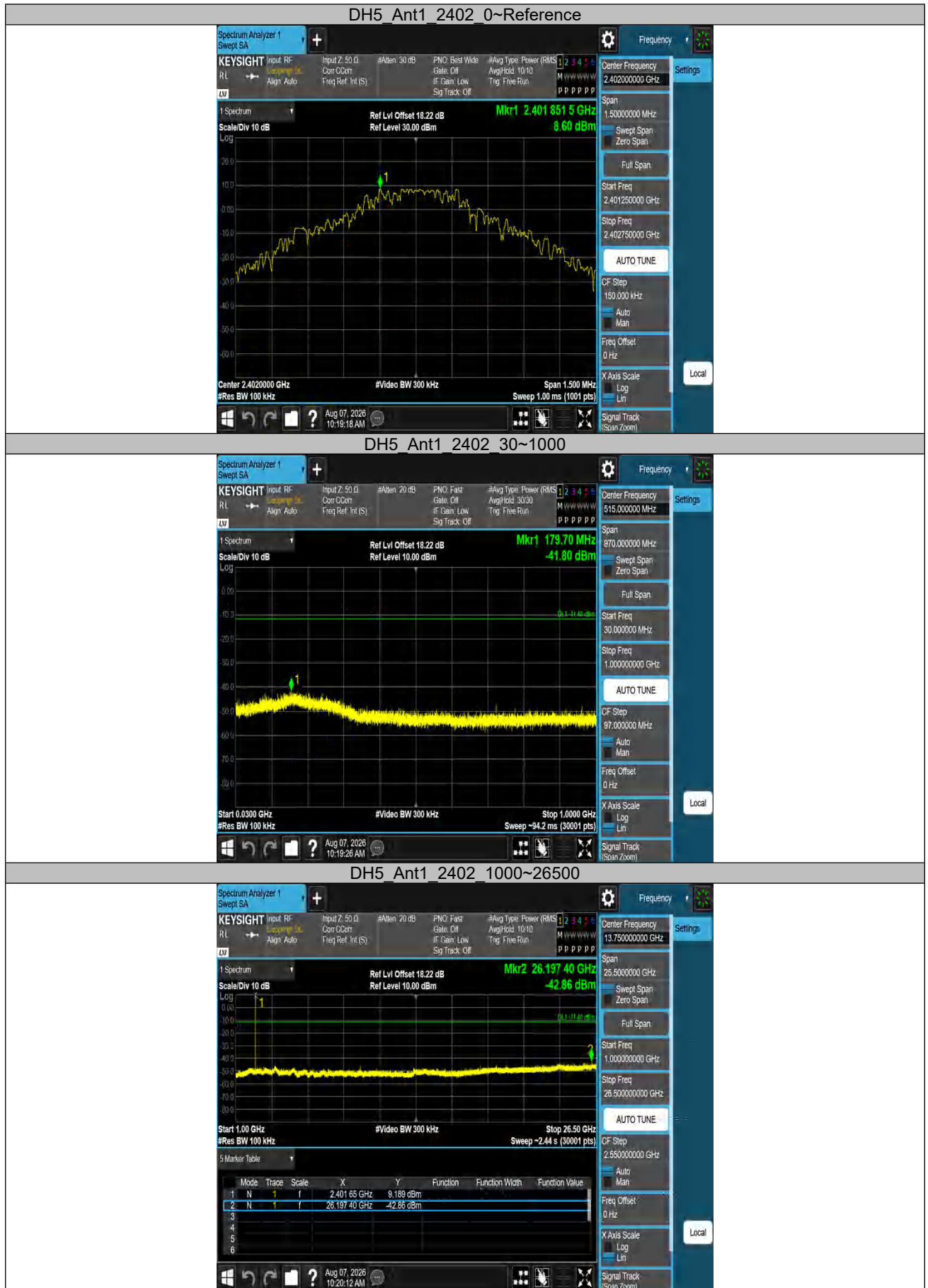


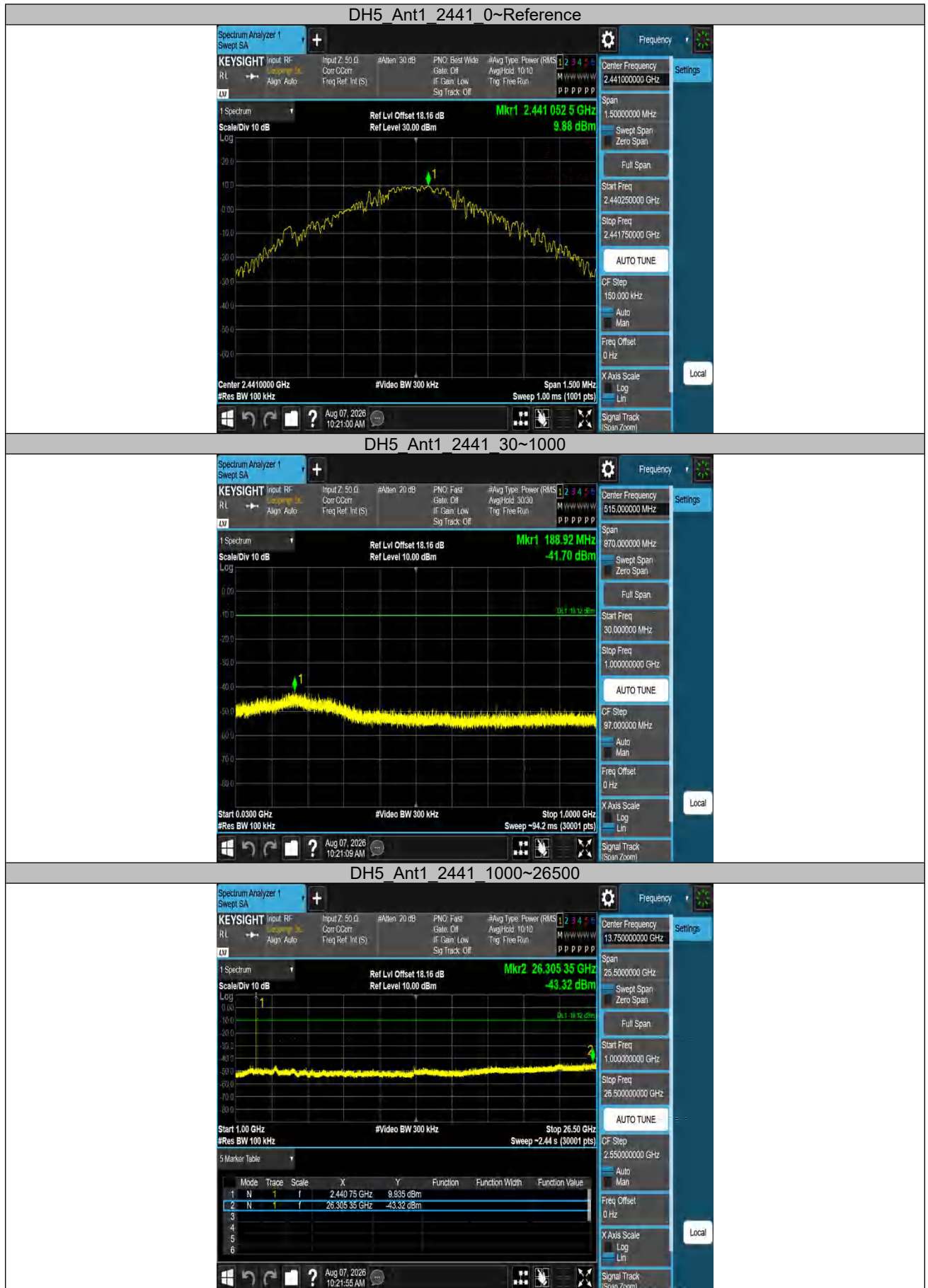


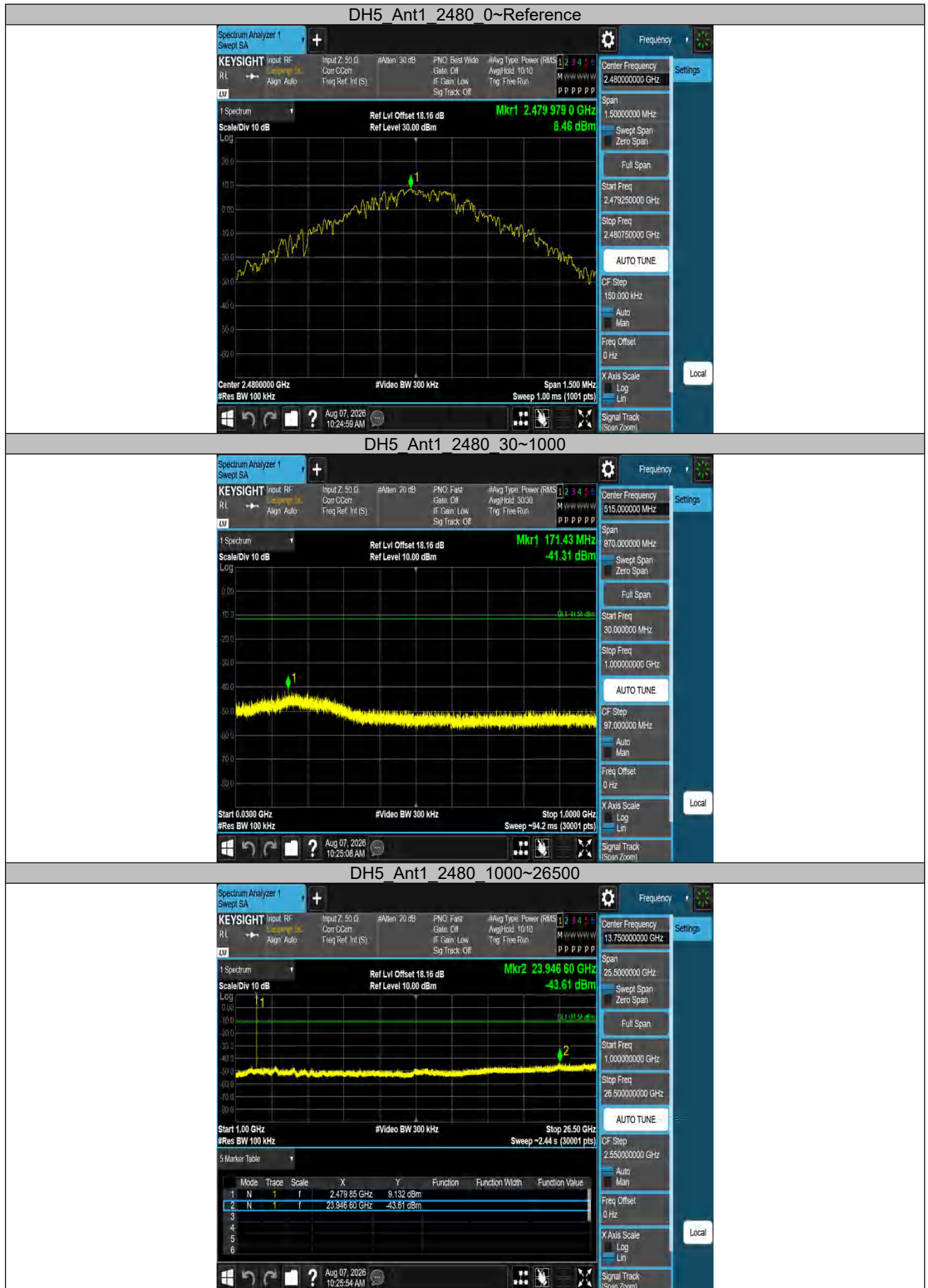
Appendix B.7: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

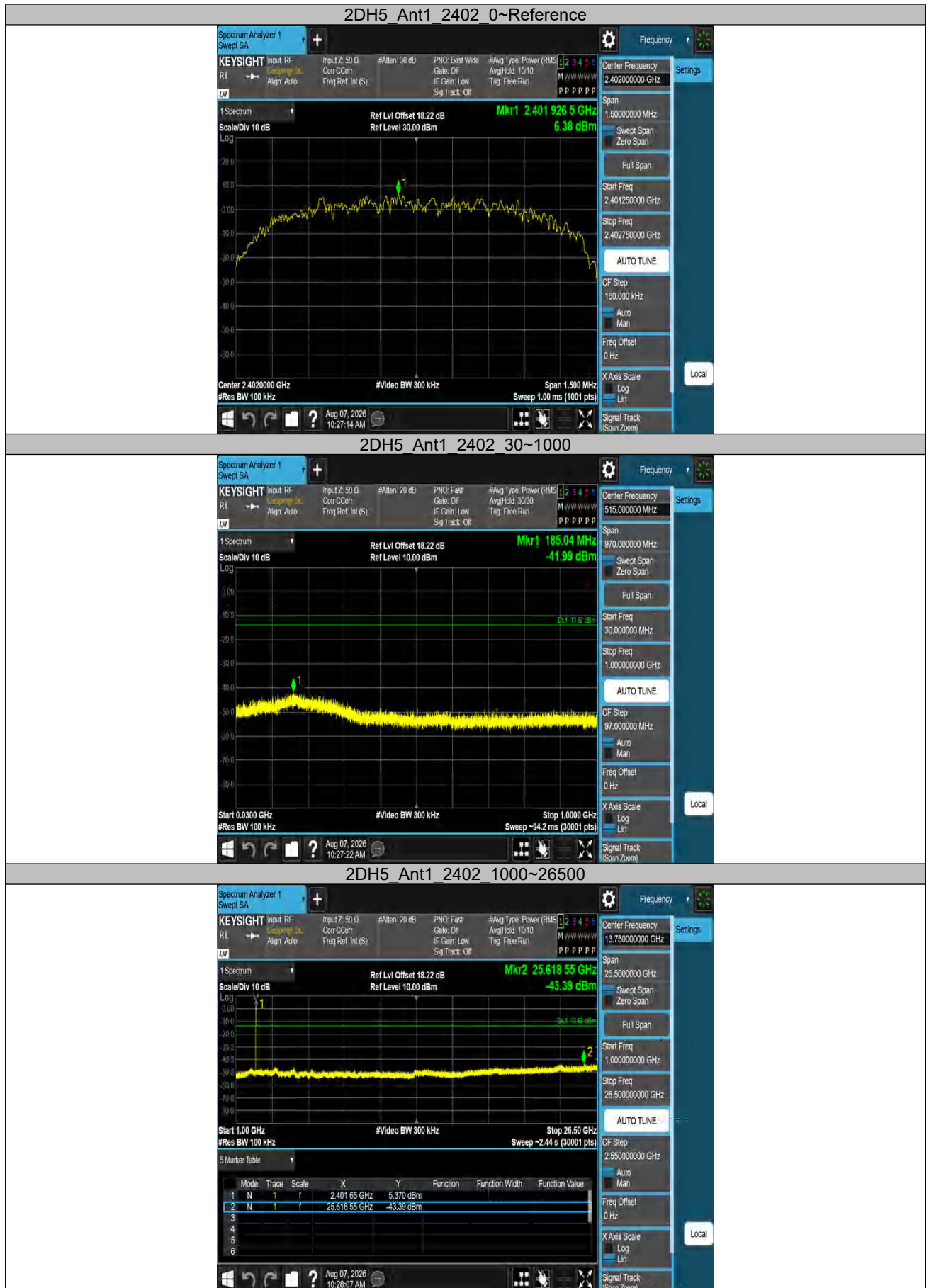
Conducted Spurious Emission

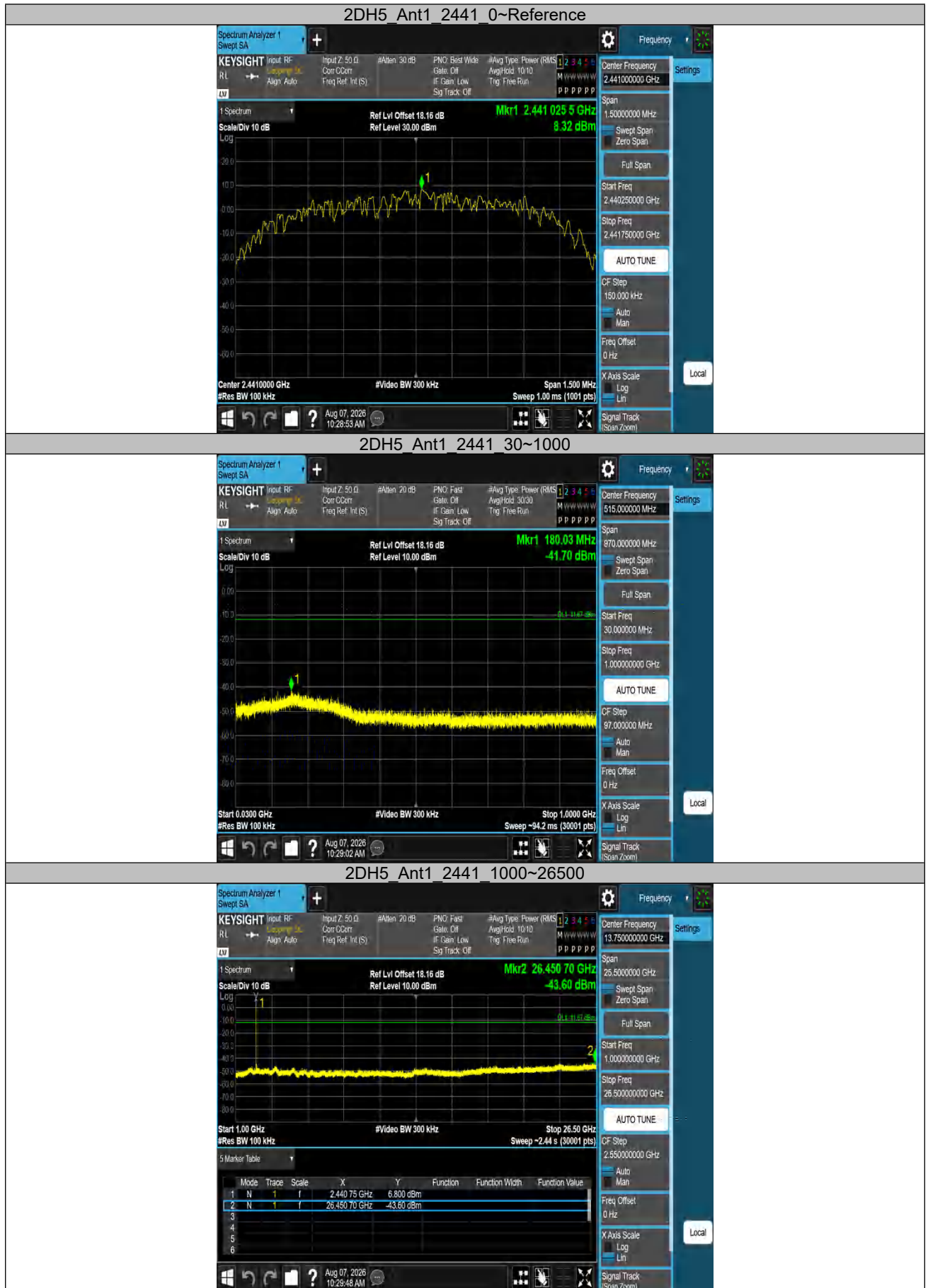
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	8.60	8.60	---	PASS
			30~1000	8.60	-41.8	≤-11.4	PASS
			1000~26500	8.60	-42.86	≤-11.4	PASS
		2441	Reference	9.88	9.88	---	PASS
			30~1000	9.88	-41.7	≤-10.12	PASS
			1000~26500	9.88	-43.32	≤-10.12	PASS
		2480	Reference	8.46	8.46	---	PASS
			30~1000	8.46	-41.31	≤-11.54	PASS
			1000~26500	8.46	-43.61	≤-11.54	PASS
2DH5	Ant1	2402	Reference	6.38	6.38	---	PASS
			30~1000	6.38	-41.99	≤-13.62	PASS
			1000~26500	6.38	-43.39	≤-13.62	PASS
		2441	Reference	8.33	8.33	---	PASS
			30~1000	8.33	-41.7	≤-11.67	PASS
			1000~26500	8.33	-43.6	≤-11.67	PASS
		2480	Reference	5.69	5.69	---	PASS
			30~1000	5.69	-42.15	≤-14.31	PASS
			1000~26500	5.69	-43.5	≤-14.31	PASS













Band edge measurements.

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	9.20	-40.08	≤-10.80	PASS
		High	2480	9.06	-39.55	≤-10.94	PASS
2DH5	Ant1	Low	2402	8.18	-40.84	≤-11.82	PASS
		High	2480	7.42	-42.21	≤-12.58	PASS
DH5	Ant1	Hopping	2402	8.41	-41.42	≤-11.59	PASS
		Hopping	2480	8.47	-41.47	≤-11.53	PASS
2DH5	Ant1	Hopping	2402	5.27	-41.80	≤-14.73	PASS
		Hopping	2480	4.85	-41.26	≤-15.15	PASS



2DH5 Ant1 Low 2402

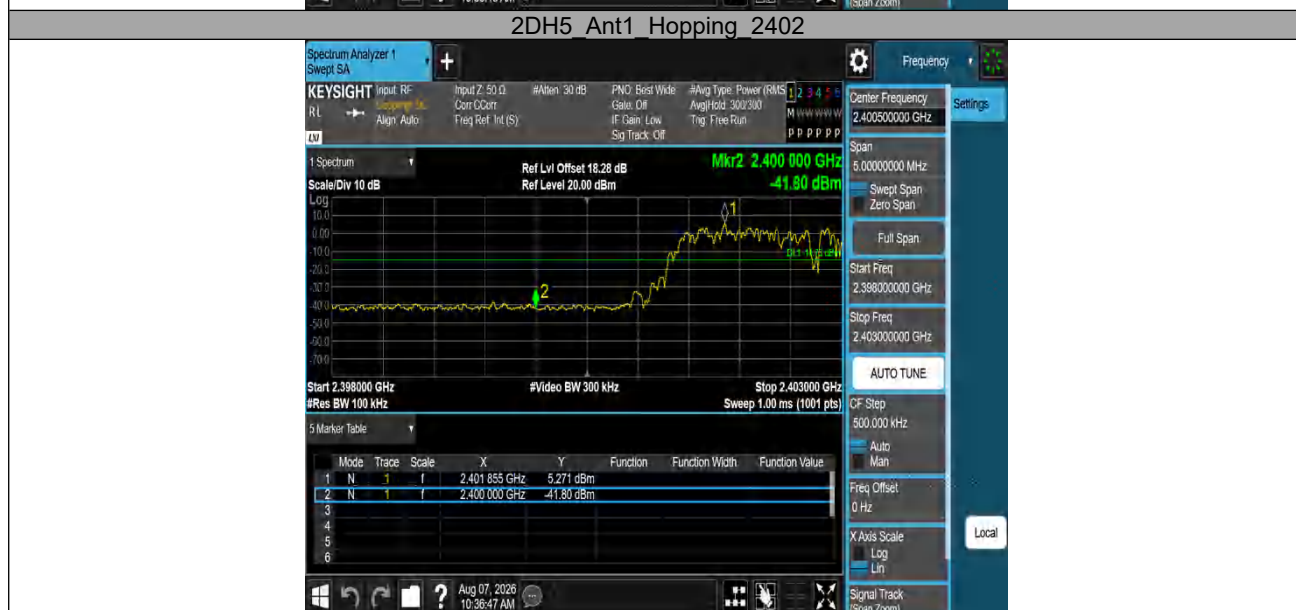
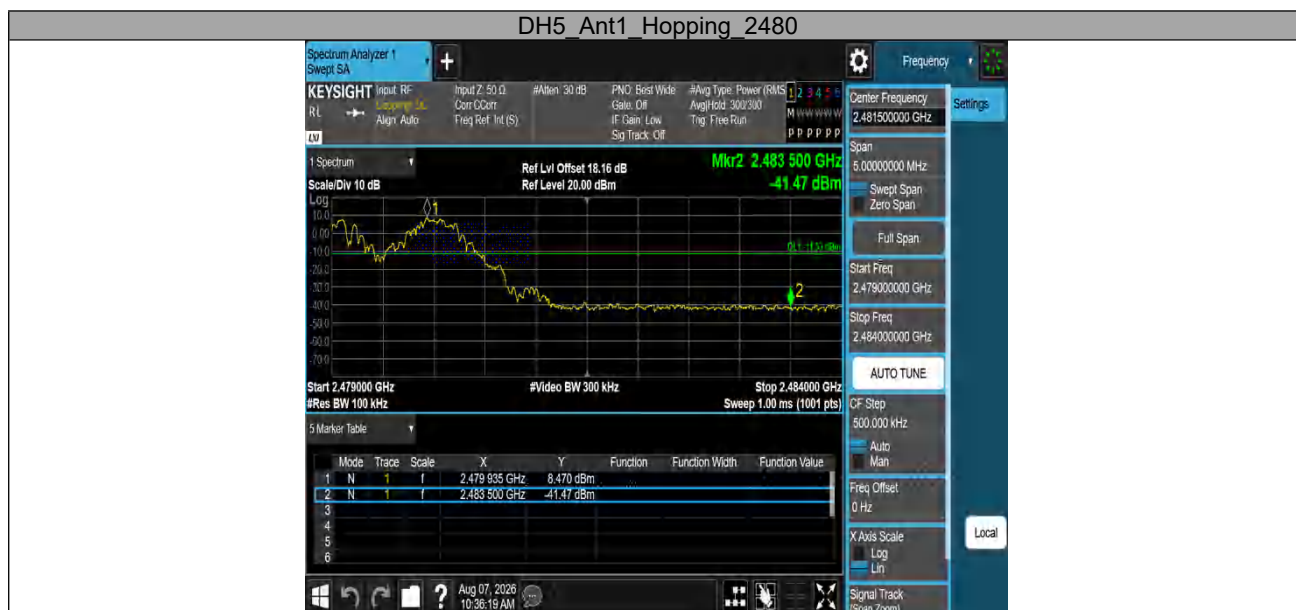


2DH5 Ant1 High 2480



DH5 Ant1 Hopping 2402





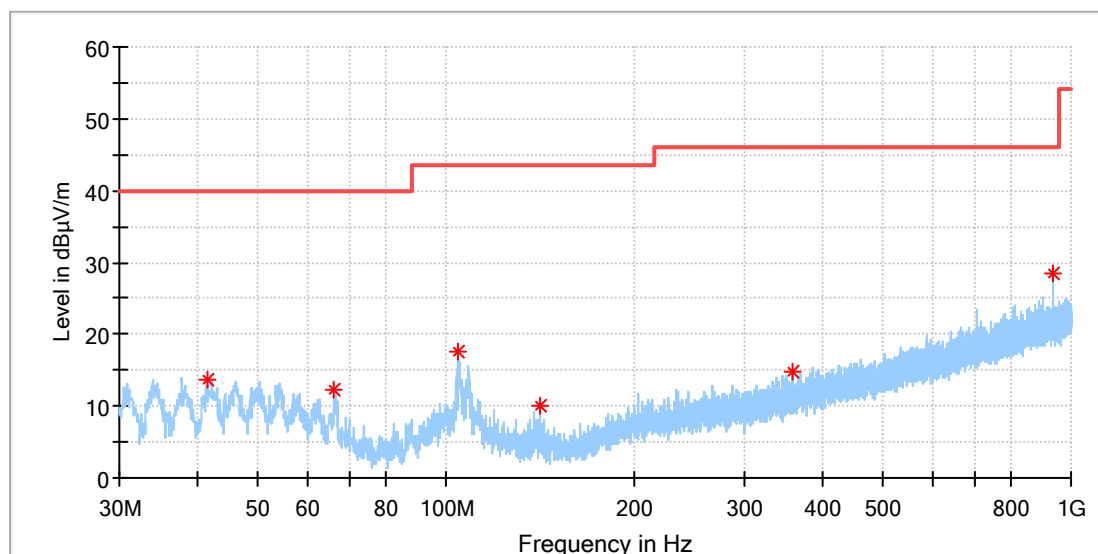
Appendix B.8: Test Results of Radiated Spurious Emissions

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:	BLUETOOTH HEADSET
Model:	TOUR ONE M4
Test Mode:	BR_DH5_Mid Channel
Order No/Sample No:	A004347431-010
Test Voltage:	Battery
Remark:	Temp 21.8°C Humi:49%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

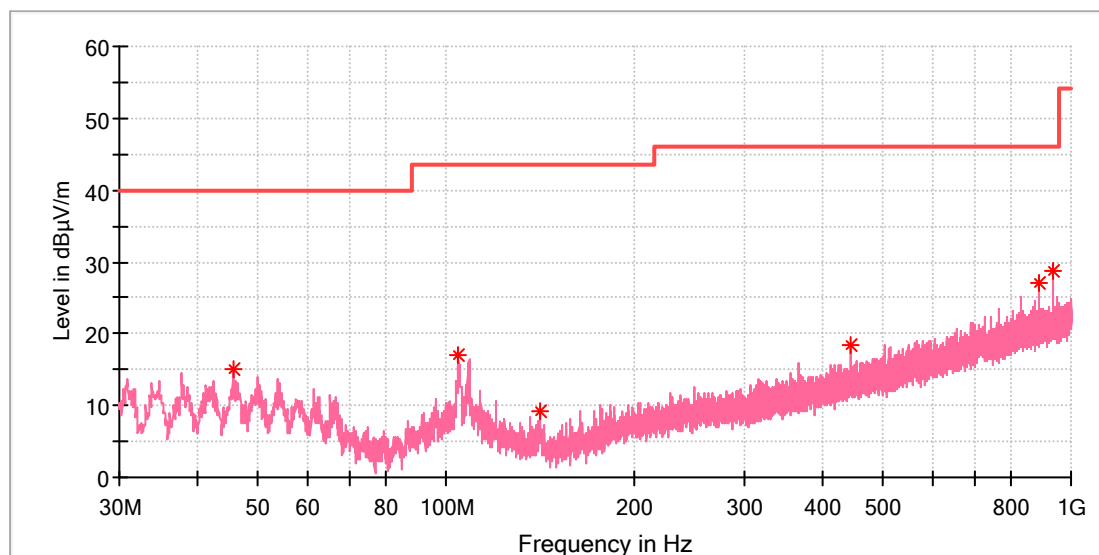
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
41.370556	13.75	40.00	26.25	100.0	H	0.0	-19.8
66.267222	12.19	40.00	27.81	100.0	H	0.0	-20.7
104.690000	17.50	43.50	26.00	100.0	H	11.0	-18.9
141.172778	10.10	43.50	33.40	100.0	H	341.0	-22.4
358.991667	14.67	46.00	31.33	100.0	H	47.0	-14.7
936.950000	28.35	46.00	17.65	100.0	H	244.0	-4.4

Final_Result

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

EUT Information

EUT Name:	BLUETOOTH HEADSET
Model:	TOUR ONE M4
Test Mode:	BR_DH5_Mid Channel
Order No/Sample No:	A004347431-010
Test Voltage:	Battery
Remark:	Temp 21.8°C Humi:49%
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)
45.627778	14.96	40.00	25.04	100.0	V	26.0	-18.8
104.690000	16.93	43.50	26.57	100.0	V	58.0	-18.9
141.172778	9.17	43.50	34.33	100.0	V	294.0	-22.4
445.375556	18.48	46.00	27.52	100.0	V	301.0	-12.9
890.982778	26.97	46.00	19.03	100.0	V	137.0	-4.9
936.950000	28.65	46.00	17.35	100.0	V	169.0	-4.4

Final Result

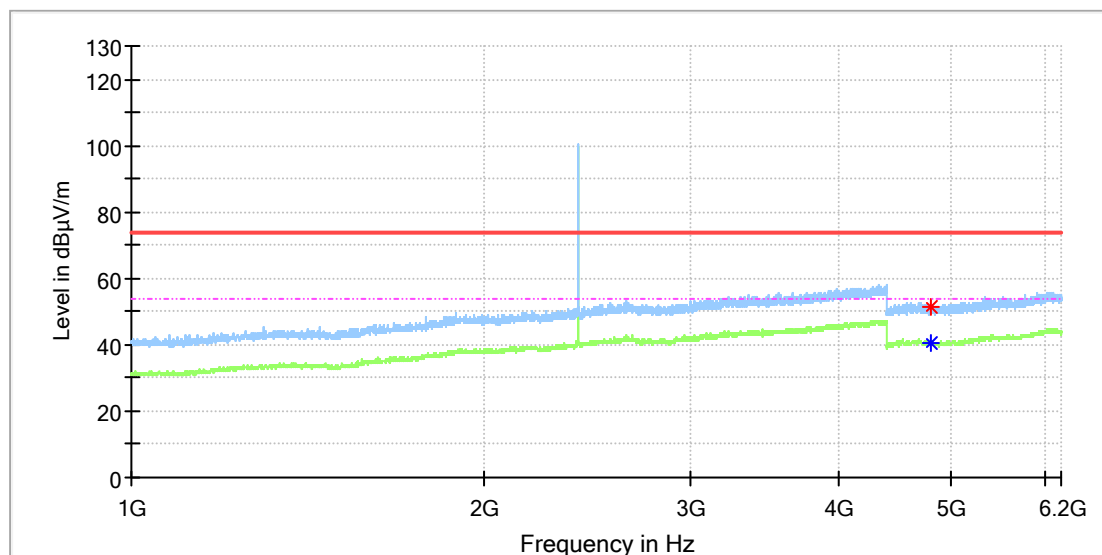
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

1GHz - 18GHz

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

EUT Information

EUT Name:	BLUETOOTH HEADSET
Model:	TOUR ONE M4
Test Mode:	BR_DH5_Low Channel
Order No/Sample No:	A004347431-010
Test Voltage:	Battery
Remark:	Temp 21.8°C Humi:49%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

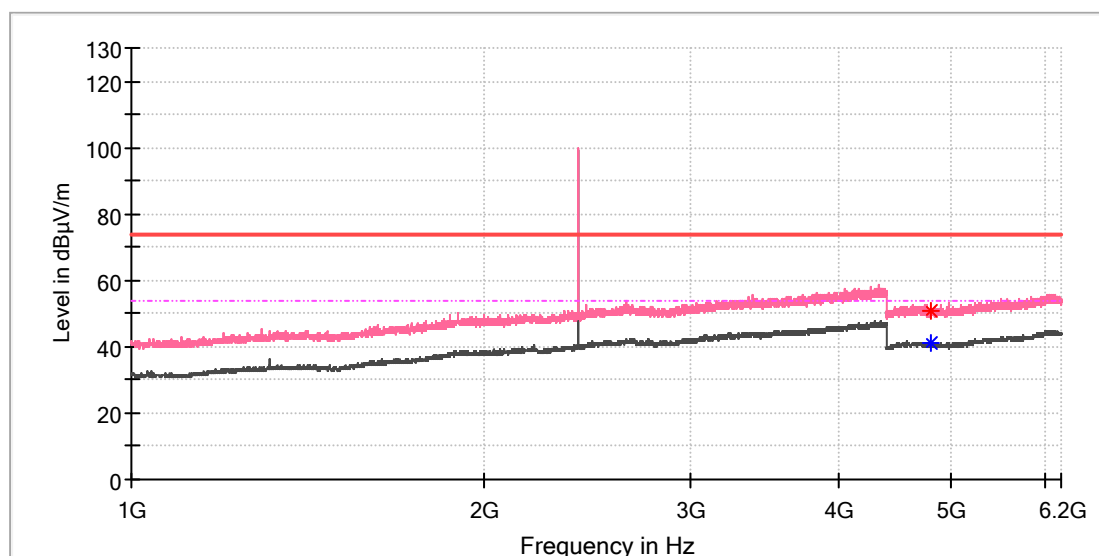
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4803.000000	51.55	---	74.00	22.45	150.0	H	161.0	13.3
4805.000000	---	40.75	54.00	13.25	150.0	H	178.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
100.000000	100.000000	100.000000	100.000000	100.000000	100.000000		100.000000	

EUT Information

EUT Name:	BLUETOOTH HEADSET
Model:	TOUR ONE M4
Test Mode:	BR_DH5_Low Channel
Order No/Sample No:	A004347431-010
Test Voltage:	Battery
Remark:	Temp 21.8°C Humi:49%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

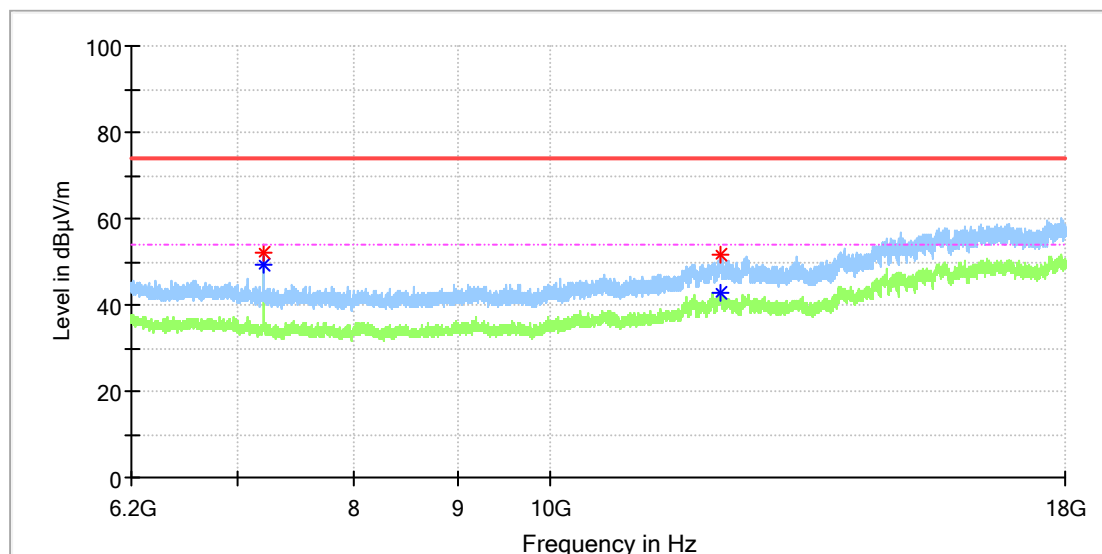
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4803.000000	50.68	---	74.00	23.32	150.0	V	287.0	13.3
4804.000000	---	40.85	54.00	13.15	150.0	V	221.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.7	122.5	118.5	120.0	1.5	100	V	135	0.0

EUT Information

EUT Name:	BLUETOOTH HEADSET
Model:	TOUR ONE M4
Test Mode:	BR_DH5_Low Channel
Order No/Sample No:	A004347431-010
Test Voltage:	Battery
Remark:	Temp 21.8°C Humi:49%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

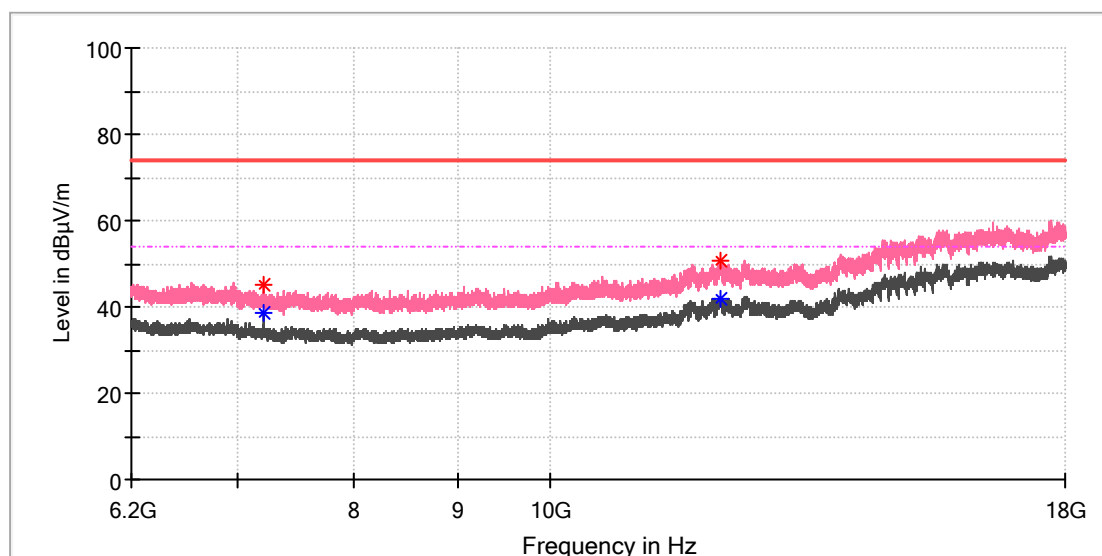
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7205.458333	52.12	---	74.00	21.88	150.0	H	310.0	8.8
7205.950000	---	49.44	54.00	4.56	150.0	H	310.0	8.8
12142.775000	51.52	---	74.00	22.48	150.0	H	101.0	16.5
12145.233333	---	42.86	54.00	11.14	150.0	H	278.0	16.6

Final Result

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

EUT Name:	BLUETOOTH HEADSET
Model:	TOUR ONE M4
Test Mode:	BR_DH5_Low Channel
Order No/Sample No:	A004347431-010
Test Voltage:	Battery
Remark:	Temp 21.8°C Humi:49%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

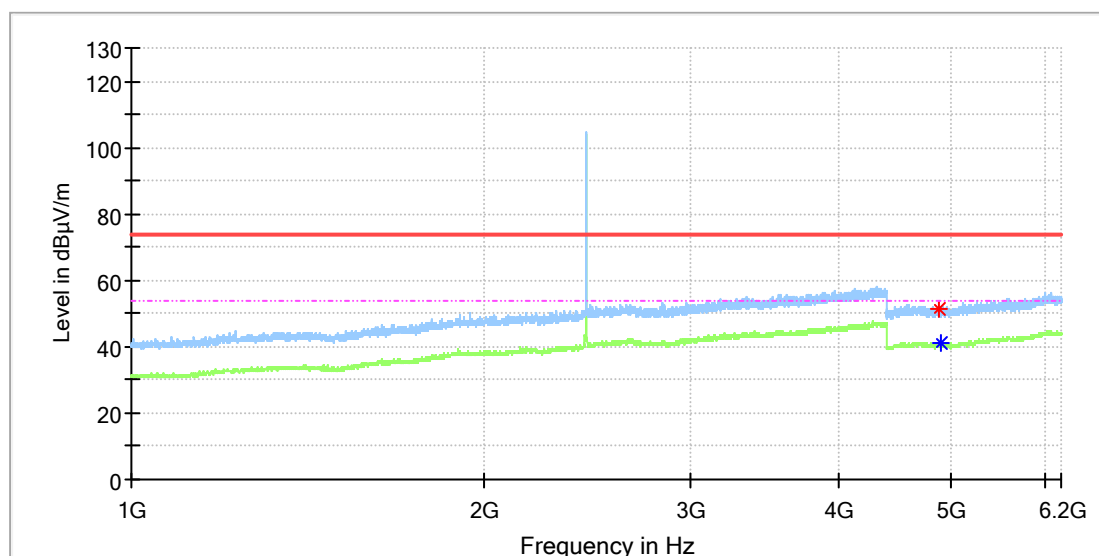
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7205.458333	45.24	---	74.00	28.76	150.0	V	280.0	8.8
7206.441667	---	38.68	54.00	15.32	150.0	V	339.0	8.8
12133.925000	50.72	---	74.00	23.28	150.0	V	0.0	16.3
12136.383333	---	42.07	54.00	11.93	150.0	V	0.0	16.4

Final Result

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

EUT Name:	BLUETOOTH HEADSET
Model:	TOUR ONE M4
Test Mode:	BR_DH5_Mid Channel
Order No/Sample No:	A004347431-010
Test Voltage:	Battery
Remark:	Temp 21.8°C Humi:49%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

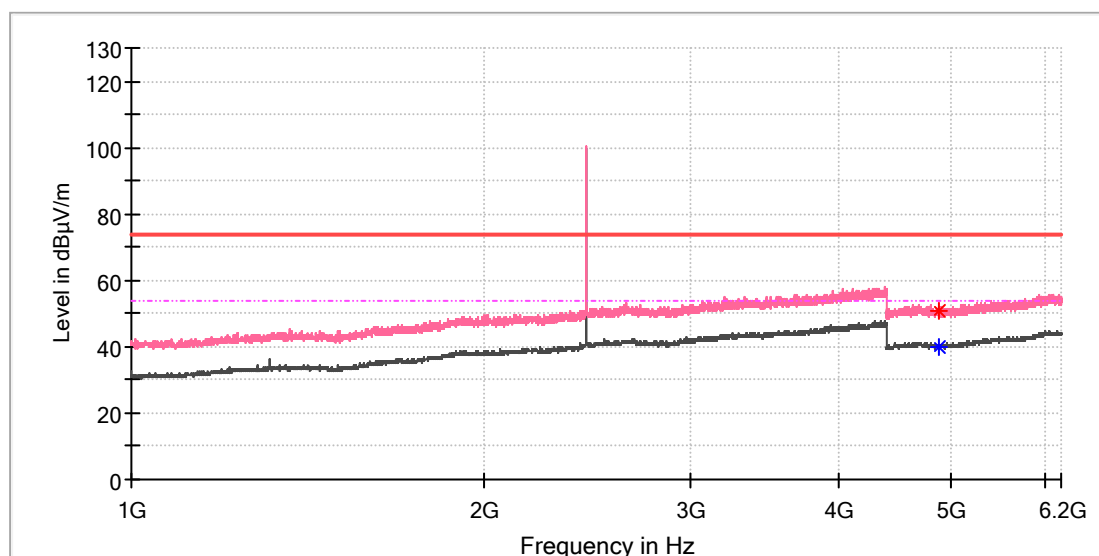
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4884.000000	51.30	---	74.00	22.70	150.0	H	29.0	13.3
4890.000000	---	40.85	54.00	13.15	150.0	H	39.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.7	122.5	118.5	120.0	1.5	100	V	135	0.0

EUT Information

EUT Name:	BLUETOOTH HEADSET
Model:	TOUR ONE M4
Test Mode:	BR_DH5_Mid Channel
Order No/Sample No:	A004347431-010
Test Voltage:	Battery
Remark:	Temp 21.8°C Humi:49%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

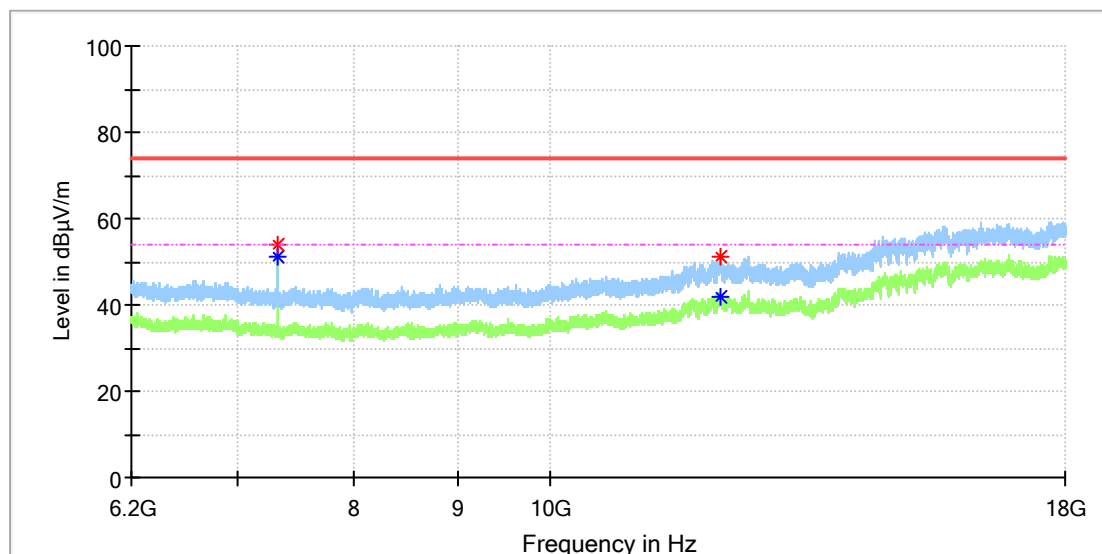
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4882.500000	---	40.13	54.00	13.87	150.0	V	8.0	13.3
4883.500000	50.69	---	74.00	23.31	150.0	V	30.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.7	122.5	118.5	120.0	1.5	100	V	135	0.0

EUT Information

EUT Name:	BLUETOOTH HEADSET
Model:	TOUR ONE M4
Test Mode:	BR_DH5_Mid Channel
Order No/Sample No:	A004347431-010
Test Voltage:	Battery
Remark:	Temp 21.8°C Humi:49%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

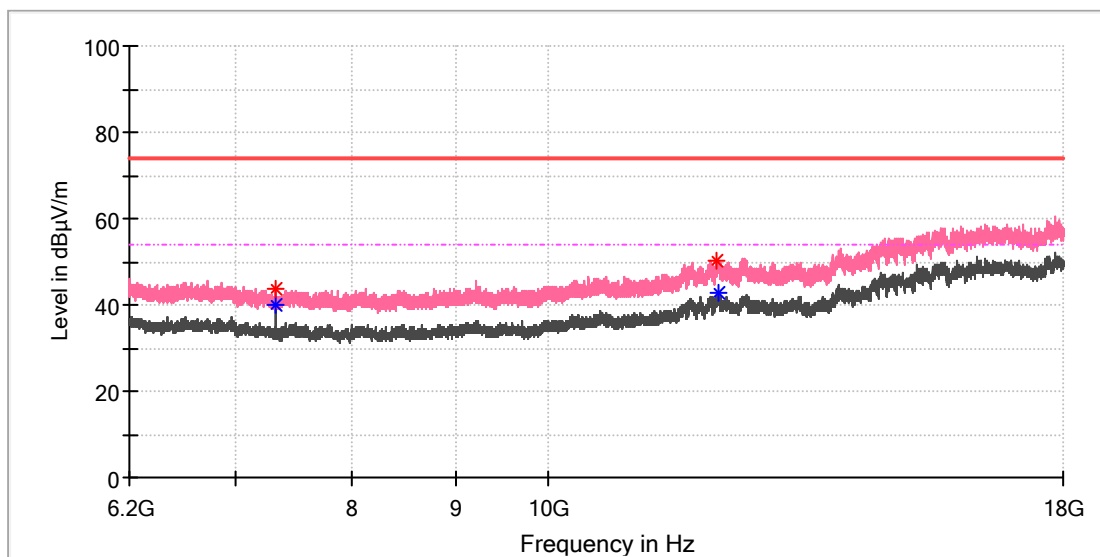
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7322.475000	---	50.94	54.00	3.06	150.0	H	293.0	8.2
7323.458333	54.02	---	74.00	19.98	150.0	H	293.0	8.2
12149.658333	---	41.98	54.00	12.02	150.0	H	234.0	16.7
12153.591667	51.06	---	74.00	22.94	150.0	H	293.0	16.5

Final Result

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

EUT Name:	BLUETOOTH HEADSET
Model:	TOUR ONE M4
Test Mode:	BR_DH5_Mid Channel
Order No/Sample No:	A004347431-010
Test Voltage:	Battery
Remark:	Temp 21.8°C Humi:49%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

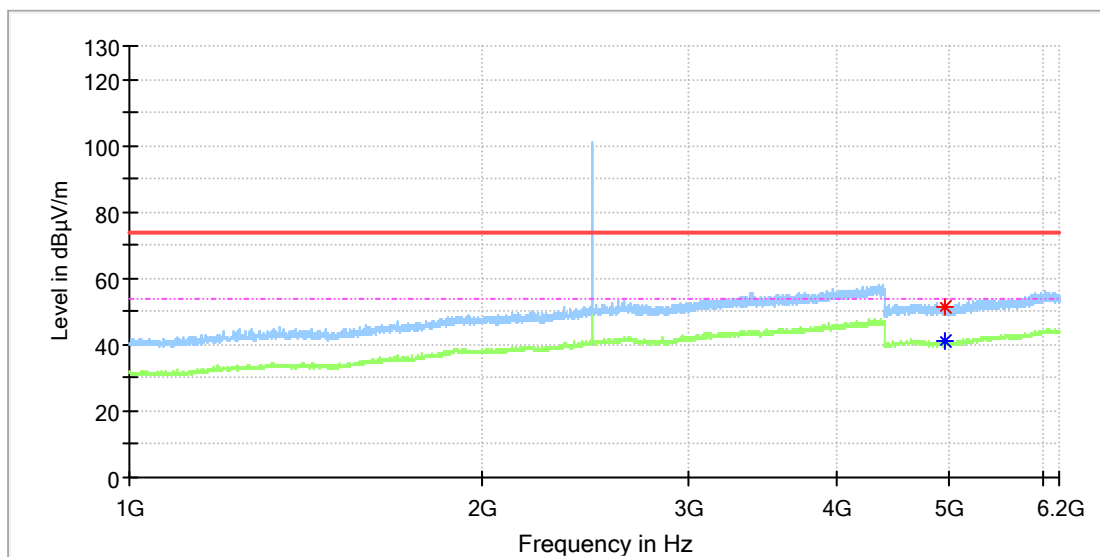
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7322.966667	---	40.11	54.00	13.89	150.0	V	40.0	8.2
7322.966667	43.81	---	74.00	30.19	150.0	V	40.0	8.2
12122.616667	50.39	---	74.00	23.61	150.0	V	210.0	16.0
12134.908333	---	42.58	54.00	11.42	150.0	V	89.0	16.3

Final Result

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

EUT Name:	BLUETOOTH HEADSET
Model:	TOUR ONE M4
Test Mode:	BR_DH5_High Channel
Order No/Sample No:	A004347431-010
Test Voltage:	Battery
Remark:	Temp 21.8°C Humi:49%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

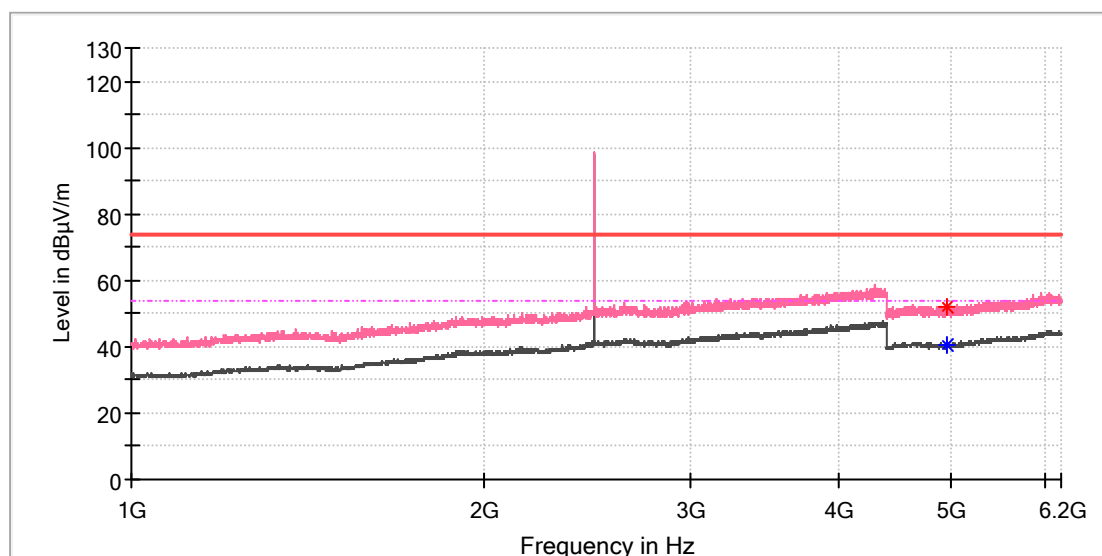
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4958.500000	51.59	---	74.00	22.41	150.0	H	72.0	13.3
4961.000000	---	40.83	54.00	13.17	150.0	H	72.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.750 MHz	93.750 dBμV/m	93.750 dBμV/m	93.750 dBμV/m	93.750 dB	93.750 cm		93.750 deg	93.750 dB/m

EUT Information

EUT Name:	BLUETOOTH HEADSET
Model:	TOUR ONE M4
Test Mode:	BR_DH5_High Channel
Order No/Sample No:	A004347431-010
Test Voltage:	Battery
Remark:	Temp 21.8°C Humi:49%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

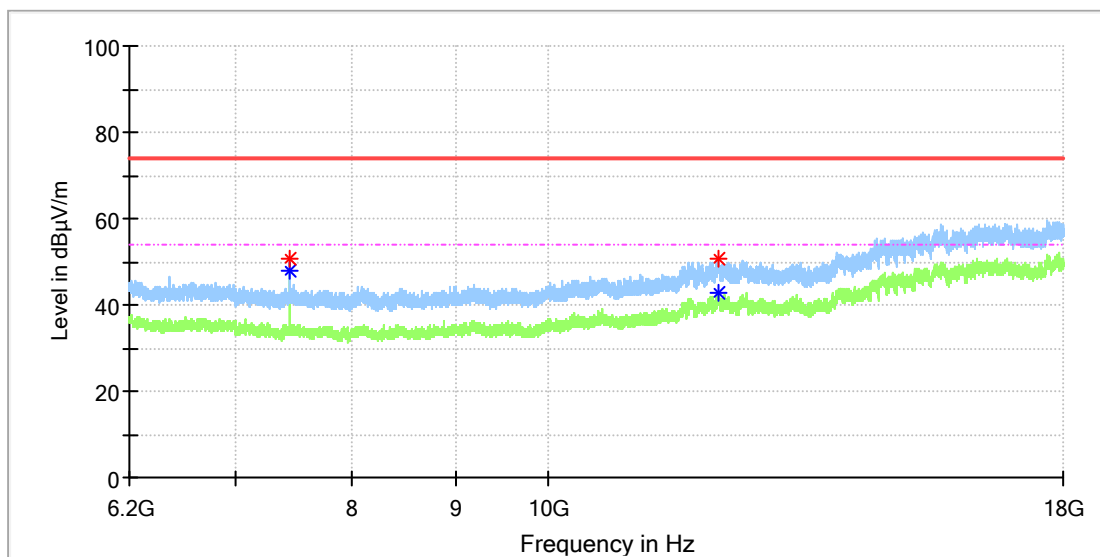
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4960.500000	---	40.54	54.00	13.46	150.0	V	268.0	13.3
4961.000000	51.98	---	74.00	22.02	150.0	V	132.0	13.3

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.750000	120.000000	110.000000	120.000000	0.000000	300.000000	000000	000000	000000

EUT Information

EUT Name:	BLUETOOTH HEADSET
Model:	TOUR ONE M4
Test Mode:	BR_DH5_High Channel
Order No/Sample No:	A004347431-010
Test Voltage:	Battery
Remark:	Temp 21.8°C Humi:49%
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)
7439.983333	---	47.76	54.00	6.24	150.0	H	0.0	8.4
7440.475000	50.92	---	74.00	23.08	150.0	H	0.0	8.4
12149.658333	50.63	---	74.00	23.37	150.0	H	111.0	16.7
12150.150000	---	42.59	54.00	11.41	150.0	H	226.0	16.7

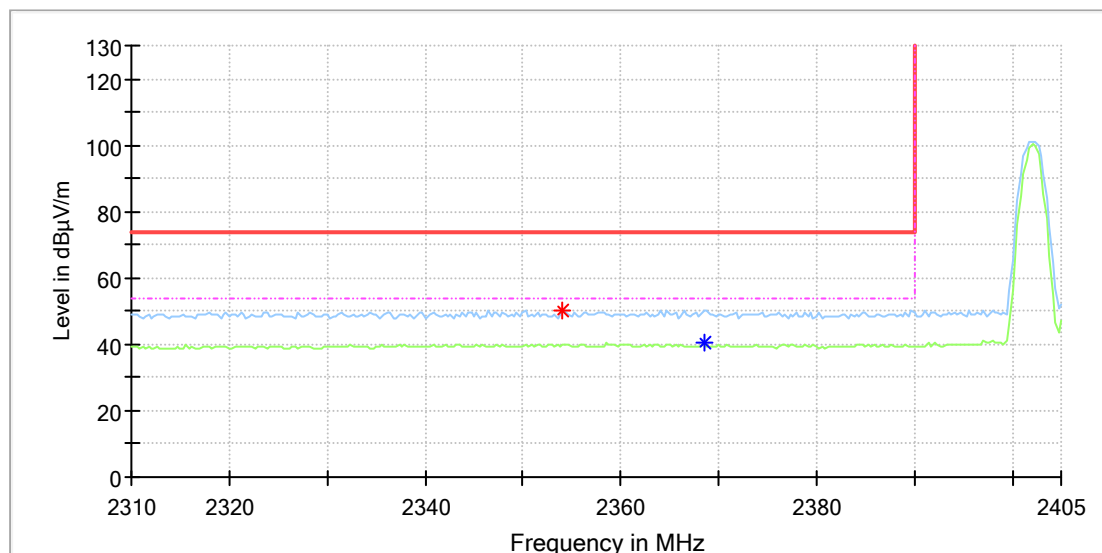
Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Appendix B.9: Test Results of Radiated Emissions in Restricted Bands

EUT Information

EUT Name:	BLUETOOTH HEADSET
Model:	TOUR ONE M4
Test Mode:	BR_DH5_Low Channel
Order No/Sample No:	A004347431-010
Test Voltage:	Battery
Remark:	Temp 21.8°C Humi:49%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

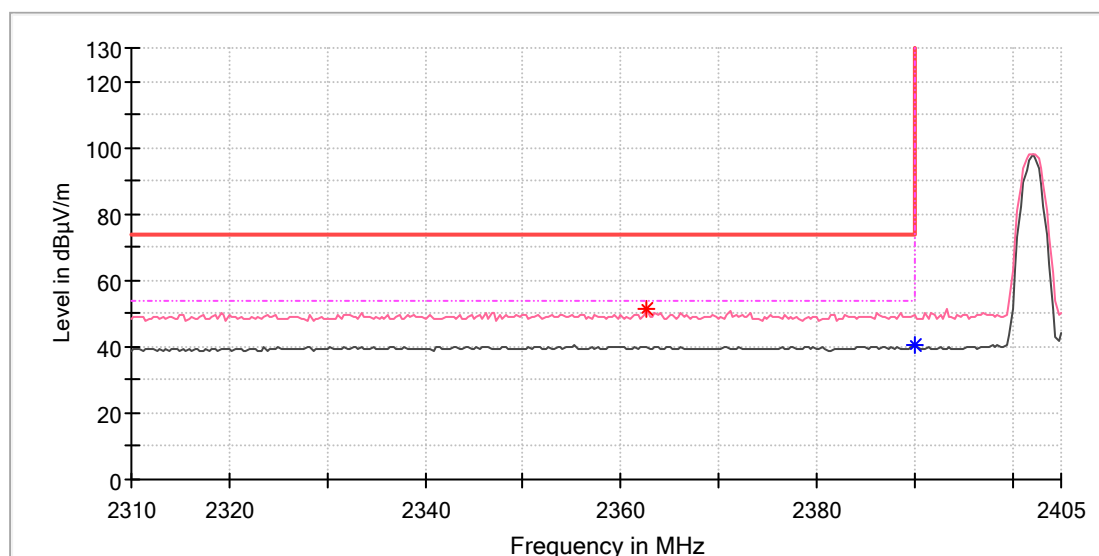
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2354.117647	50.28	---	74.00	23.72	150.0	H	17.0	8.5
2368.529412	---	40.32	54.00	13.68	150.0	H	146.0	8.5

Final Result

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

EUT Information

EUT Name:	BLUETOOTH HEADSET
Model:	TOUR ONE M4
Test Mode:	BR_DH5_Low Channel
Order No/Sample No:	A004347431-010
Test Voltage:	Battery
Remark:	Temp 21.8°C Humi:49%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

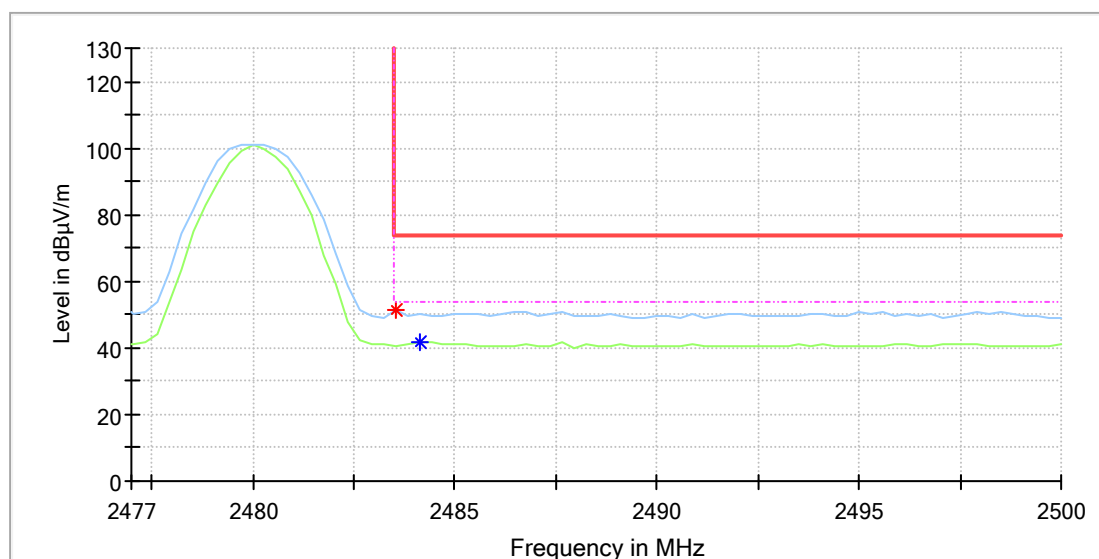
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2362.647059	51.15	---	74.00	22.85	150.0	V	357.0	8.5
2390.000000	---	40.25	54.00	13.75	150.0	V	134.0	8.5

Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.7	122.0	118.0	120.0	2.0	100	V	135	0.0
93.7	122.0	118.0	120.0	2.0	100	H	135	0.0
93.7	122.0	118.0	120.0	2.0	100	V	45	0.0
93.7	122.0	118.0	120.0	2.0	100	H	45	0.0
93.7	122.0	118.0	120.0	2.0	100	V	315	0.0
93.7	122.0	118.0	120.0	2.0	100	H	315	0.0
93.7	122.0	118.0	120.0	2.0	100	V	225	0.0
93.7	122.0	118.0	120.0	2.0	100	H	225	0.0
93.7	122.0	118.0	120.0	2.0	100	V	135	0.0
93.7	122.0	118.0	120.0	2.0	100	H	135	0.0
93.7	122.0	118.0	120.0	2.0	100	V	45	0.0
93.7	122.0	118.0	120.0	2.0	100	H	45	0.0
93.7	122.0	118.0	120.0	2.0	100	V	315	0.0
93.7	122.0	118.0	120.0	2.0	100	H	315	0.0
93.7	122.0	118.0	120.0	2.0	100	V	225	0.0
93.7	122.0	118.0	120.0	2.0	100	H	225	0.0
93.7	122.0	118.0	120.0	2.0	100	V	135	0.0
93.7	122.0	118.0	120.0	2.0	100	H	135	0.0
93.7	122.0	118.0	120.0	2.0	100	V	45	0.0
93.7	122.0	118.0	120.0	2.0	100	H	45	0.0
93.7	122.0	118.0	120.0	2.0	100	V	315	0.0
93.7	122.0	118.0	120.0	2.0	100	H	315	0.0
93.7	122.0	118.0	120.0	2.0	100	V	225	0.0
93.7	122.0	118.0	120.0	2.0	100	H	225	0.0
93.7	122.0	118.0	120.0	2.0	100	V	135	0.0
93.7	122.0	118.0	120.0	2.0	100	H	135	0.0
93.7	122.0	118.0	120.0	2.0	100	V	45	0.0
93.7	122.0	118.0	120.0	2.0	100	H	45	0.0
93.7	122.0	118.0	120.0	2.0	100	V	315	0.0
93.7	122.0	118.0	120.0	2.0	100	H	315	0.0
93.7	122.0	118.0	120.0	2.0	100	V	225	0.0
93.7	122.0	118.0	120.0	2.0	100	H	225	0.0
93.7	122.0	118.0	120.0	2.0	100	V	135	0.0
93.7	122.0	118.0	120.0	2.0	100	H	135	0.0
93.7	122.0	118.0	120.0	2.0	100	V	45	0.0
93.7	122.0	118.0	120.0	2.0	100	H	45	0.0
93.7	122.0	118.0	120.0	2.0	100	V	315	0.0
93.7	122.0	118.0	120.0	2.0	100	H	315	0.0
93.7	122.0	118.0	120.0	2.0	100	V	225	0.0
93.7	122.0	118.0	120.0	2.0	100	H	225	0.0
93.7	122.0	118.0	120.0	2.0	100	V	135	0.0
93.7	122.0	118.0	120.0	2.0	100	H	135	0.0
93.7	122.0	118.0	120.0	2.0	100	V	45	0.0
93.7	122.0	118.0	120.0	2.0	100	H	45	0.0
93.7	122.0	118.0	120.0	2.0	100	V	315	0.0
93.7	122.0	118.0	120.0	2.0	100	H	315	0.0
93.7	122.0	118.0	120.0	2.0	100	V	225	0.0
93.7	122.0	118.0	120.0	2.0	100	H	225	0.0
93.7	122.0	118.0	120.0	2.0	100	V	135	0.0
93.7	122.0	118.0	120.0	2.0	100	H	135	0.0
93.7	122.0	118.0	120.0	2.0	100	V	45	0.0
93.7	122.0	118.0	120.0	2.0	100	H	45	0.0
93.7	122.0	118.0	120.0	2.0	100	V	315	0.0
93.7	122.0	118.0	120.0	2.0	100	H	315	0.0
93.7	122.0	118.0	120.0	2.0	100	V	225	0.0
93.7	122.0	118.0	120.0	2.0	100	H	225	0.0
93.7	122.0	118.0	120.0	2.0	100	V	135	0.0
93.7	122.0	118.0	120.0	2.0	100	H	135	0.0
93.7	122.0	118.0	120.0	2.0	100	V	45	0.0
93.7	122.0	118.0	120.0	2.0	100	H	45	0.0
93.7	122.0	118.0	120.0	2.0	100	V	315	0.0
93.7	122.0	118.0	120.0	2.0	100	H	315	0.0
93.7	122.0	118.0	120.0	2.0	100	V	225	0.0
93.7	122.0	118.0	120.0	2.0	100	H	225	0.0
93.7	122.0	118.0	120.0	2.0	100	V	135	0.0
93.7	122.0	118.0	120.0	2.0	100	H	135	0.0
93.7	122.0	118.0	120.0	2.0	100	V	45	0.0
93.7	122.0	118.0	120.0	2.0	100	H	45	0.0
93.7	122.0	118.0	120.0	2.0	100	V	315	0.0
93.7	122.0	118.0	120.0	2.0	100	H	315	0.0
93.7	122.0	118.0	120.0	2.0	100	V	225	0.0
93.7	122.0	118.0	120.0	2.0	100	H	225	0.0
93.7	122.0	118.0	120.0	2.0	100	V	135	0.0
93.7	122.0	118.0	120.0	2.0	100	H	135	0.0
93.7	122.0	118.0	120.0	2.0	100	V	45	0.0
93.7	122.0	118.0	120.0	2.0	100	H	45	0.0
93.7	122.0	118.0	120.0	2.0	100	V	315	0.0
93.7	122.0	118.0	120.0	2.0	100	H	315	0.0
93.7	122.0	118.0	120.0	2.0	100	V	225	0.0
93.7	122.0	118.0	120.0	2.0	100	H	225	0.0
93.7	122.0	118.0	120.0	2.0	100	V	135	0.0
93.7	122.0	118.0	120.0	2.0	100	H	135	0.0
93.7	122.0	118.0	120.0	2.0	100	V	45	0.0
93.7	122.0	118.0	120.0	2.0	100	H	45	0.0
93.7	122.0	118.0	120.0	2.0	100	V	315	0.0
93.7	122.0	118.0	120.0	2.0	100	H	315	0.0
93.7	122.0	118.0	120.0	2.0	100	V	225	0.0
93.7	122.0	118.0	120.0	2.0	100	H	225	0.0
93.7	122.0	118.0	120.0	2.0	100	V	135	0.0
93.7	122.0	118.0	120.0	2.0	100	H	135	0.0
93.7	122.0	118.0	120.0	2.0	100	V	45	0.0
93.7	122.0	118.0	120.0	2.0	100	H	45	0.0
93.7	122.0	118.0	120.0	2.0	100	V	315	0.0
93.7	122.0	118.0	120.0	2.0	100	H	315	0.0
93.7	122.0	118.0	120.0	2.0	100	V	225	0.0
93.7	122.0	118.0	120.0	2.0	100	H	225	0.0
93.7	122.0	118.0	120.0	2.0	100	V	135	0.0
93.7	122.0	118.0	120.0	2.0	100	H	135	0.0
93.7	122.0	118.0	120.0	2.0	100	V	45	0.0
93.7	122.0	118.0	120.0	2.0	100	H	45	0.0
93.7	122.0	118.0	120.0	2.0	100	V	315	0.0
93.7	122.0	118.0	120.0	2.0	100	H	315	0.0
93.7	122.0	118.0	120.0	2.0	100	V	225	0.0
93.7	122.0	118.0	120.0	2.0	100	H	225	0.0
93.7	122.0	118.0	120.0	2.0	100	V	135	0.0
93.7	122.0	118.0	120.0	2.0	100	H	135	0.0
93.7	122.0	118.0	120.0	2.0	100	V	45	0.0
93.7	122.0	118.0	120.0	2.0	100	H	45	0.0
93.7	122.0	118.0	120.0	2.0	100	V	315	0.0
93.7	122.0	118.0	120.0	2.0	100	H	315	0.0
93.7	122.0	118.0	120.0	2.0	100	V	225	0.0
93.7	122.0	118.0	120.0	2.0	100	H	225	0.0
93.7	122.0	118.0	120.0	2.0	100	V	135	0.0
93.7	122.0	118.0	120.0	2.0	100	H	135	0.0
93.7	122.0	118.0	120.0	2.0	100	V	45	0.0
93.7	122.0	118.0	120.0	2.0	100	H	45	0.0
93.7	122.0	118.0	120.0	2.0	100	V	315	0.0
93.7	122.0	118.0	120.0	2.0	100	H	315	0.0
93.7	122.0	118.0	120.0	2.0	100	V	225	0.0
93.7	122.0	118.0	120.0	2.0	100	H	225	0.0
93.7	122.0	118.0	120.0	2.0	100	V	135	0.0
93.7	122.0	118.0	120.0	2.0	100	H	135	0.0
93.7	122.0	118.0	120.0	2.0	100	V	45	0.0
93.7	122.0	118.0	120.0	2.0	100	H	45	0.0
93.7	122.0	118.0	120.0	2.0	100	V	315	0.0
93.7	122.0	118.0	120.0	2.0	100	H	315	0.0
93.7	122.0	118.0	120.0	2.0	100	V	225	0.0
93.7	122.0	118.0	120.0	2.0	100	H	225	0.0
93.7	122.0	118.0	120.0	2.0	100	V	135	0.0
93.7	122.0	118.0	120.0	2.0	100	H	135	0.0
93.7	122.0	118.0	120.0	2.0	100	V	45	0.0
93.7	122.0	118.0	120.0	2.0	100	H	45	0.0
93.7	122.0	118.0	120.0	2.0	100	V	315	0.0
93.7	122.0	118.0	120.0	2.0	100	H	315	0.0
93.7	122.0	118.0	120.0	2.0	100	V	225	0.0
93.7	122.0	118.0	120.0	2.0	100	H	225	0.0
93.7	122.0	118.0	120.0	2.0	100	V	135	0.0
93.7	122.0	118.0	120.0	2.0	100	H	135	0.0
93.7	122.0	118.0	120.0	2.0	100	V	45	0.0
93.7	122.0	118.0	120.0	2.0	100	H	45	0.0
93.7	122.0	118.0	120.0	2.0	100	V	315	0.0
93.7	122.0	118.0	120.0	2.0	100	H	315	0.0
93.7	122.0	118.0	120.0	2.0	100	V	225	0.0
93.7	122.0	118.0	120.0	2.0	100	H	225	0.0
93.7	122.0	118.0	120.0	2.0	100	V	135	0.0
93.7	122.0	118.0	120.0	2.0	100	H	135	0.0
93.7	122.0	118.0	120.0	2.0	100	V	45	0.0
93.7	122.0	118.0	120.0	2.0	100	H	45	0.0
93.7	122.0	118.0	120.0	2.0	100	V	315	0.0
93.7	122.0	118.0	120.0	2.0	100	H	315	0.0
93.7	122.0	118.0	120.0	2.0	100	V	225	0.0
93.7	122.0	118.0	120.0	2.0	100	H	225	0.0
93.7	122.0	118.0	120.0	2.0	100	V	135	0.0
93.7	122.0	118.0	120.0	2.0	100	H	135	0.0
93.7								

EUT Information

EUT Name:	BLUETOOTH HEADSET
Model:	TOUR ONE M4
Test Mode:	BR_DH5_High Channel
Order No/Sample No:	A004347431-010
Test Voltage:	Battery
Remark:	Temp 21.8°C Humi:49%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

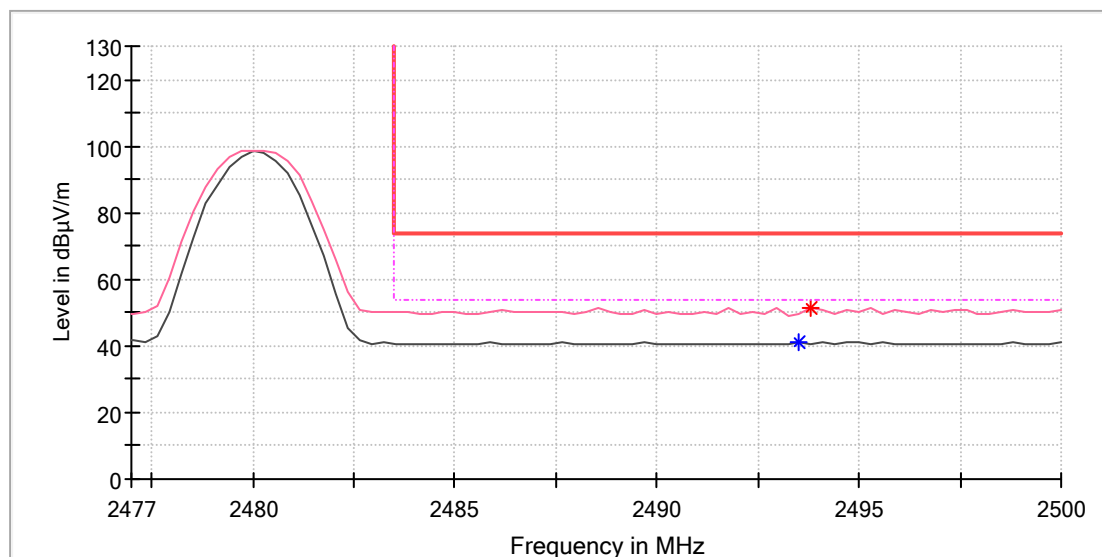
Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.529412	51.30	---	74.00	22.70	150.0	H	54.0	9.0
2484.117647	---	41.61	54.00	12.39	150.0	H	48.0	9.0

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.7	122.5	118.5	120.0	1.5	100	V	135	0.0

EUT Information

EUT Name:	BLUETOOTH HEADSET
Model:	TOUR ONE M4
Test Mode:	BR_DH5_High Channel
Order No/Sample No:	A004347431-010
Test Voltage:	Battery
Remark:	Temp 21.8°C Humi:49%
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)
2493.529412	---	41.35	54.00	12.65	150.0	V	311.0	9.0
2493.823529	51.52	---	74.00	22.48	150.0	V	311.0	9.0

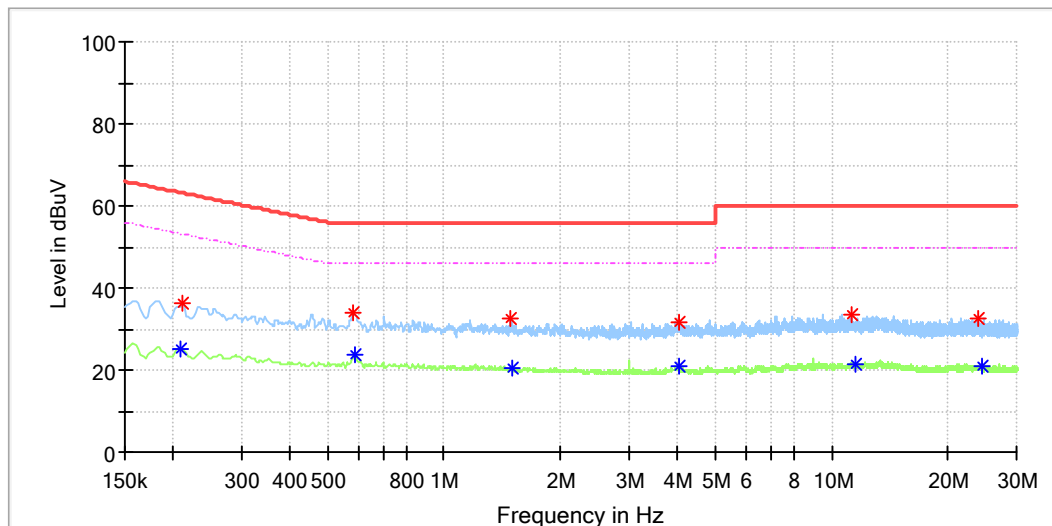
Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
93.7	122.0	118.0	120.0	2.0	100	V	135	0.0

Appendix B.10: Test Results of Conducted Emission on AC Mains

EUT Information

EUT Name:	BLUETOOTH HEADSET
Model:	TOUR ONE M4
Sample No:	A004347431
Test Mode:	ON, Bluetooth playing
Test Voltage:	AC 120V/60Hz
Remark:	Temp:24.0 ; Humi:51.1%
Test standard:	FCC 15.207
Tested By:	Charron Chen
Reviewed by	Charlie Zha



Critical_Freqs

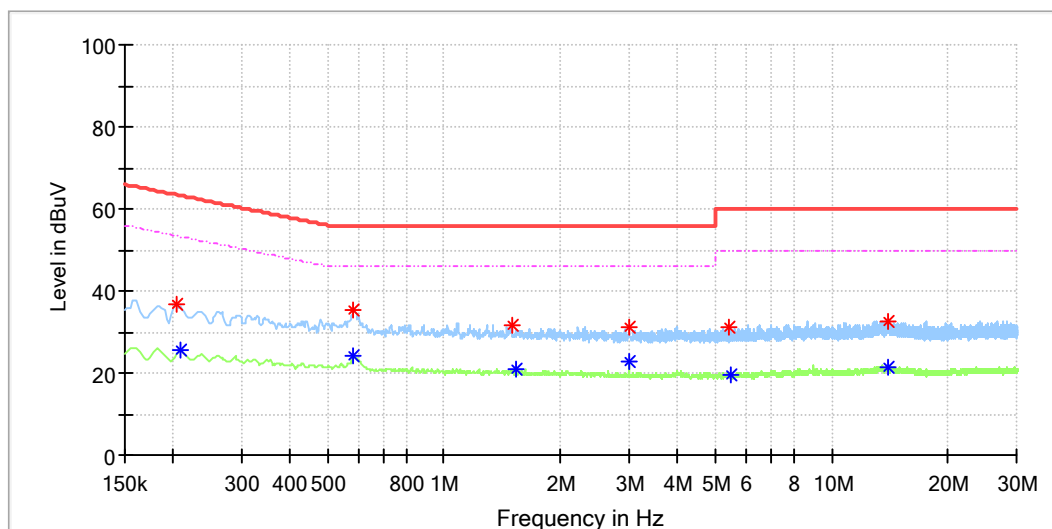
Frequency (MHz)	MaxPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
0.210	---	25.2	53.22	28.07	L1	9.7
0.212	36.1	---	63.12	27.03	L1	9.7
0.583	33.7	---	56.00	22.25	L1	9.6
0.588	---	23.9	46.00	22.13	L1	9.6
1.488	32.6	---	56.00	23.36	L1	9.6
1.506	---	20.5	46.00	25.54	L1	9.6
4.023	31.5	---	56.00	24.55	L1	9.7
4.048	---	20.8	46.00	25.16	L1	9.7
11.244	33.5	---	60.00	26.53	L1	9.8
11.505	---	21.5	50.00	28.54	L1	9.8
23.799	32.4	---	60.00	27.57	L1	9.8
24.393	---	20.9	50.00	29.14	L1	9.8

Final Result

Frequency (MHz)	QuasiPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
90.0	-78.6	-78.6	-78.6	1.4	100	100	1	0

EUT Information

EUT Name:	BLUETOOTH HEADSET
Model:	TOUR ONE M4
Sample No:	A004347431
Test Mode:	ON, Bluetooth playing
Test Voltage:	AC 120V/60Hz
Remark:	Temp:24.0 ; Humi:51.1%
Test standard:	FCC 15.207
Tested By:	Charron Chen
Reviewed by	Charlie Zha



Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
0.205	36.7	---	63.42	26.75	N	9.9
0.210	---	25.4	53.22	27.80	N	9.9
0.583	---	24.2	46.00	21.82	N	9.9
0.585	35.3	---	56.00	20.73	N	9.9
1.491	31.5	---	56.00	24.53	N	9.9
1.528	---	21.0	46.00	25.03	N	9.9
2.998	---	22.9	46.00	23.09	N	9.8
3.001	31.3	---	56.00	24.73	N	9.8
5.458	31.2	---	60.00	28.75	N	9.8
5.508	---	19.7	50.00	30.30	N	9.8
13.903	---	21.3	50.00	28.67	N	9.6
13.926	32.7	---	60.00	27.34	N	9.6

Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
-70	-86	-90	-90	0	100	10	1	0