

Prüfbericht-Nr.: Test report no.:	CN23VFCA 001	Auftrags-Nr.: Order no.:	168429638	Page 1 of 23 Seite 1 von 23
Kunden-Referenz-Nr.: Client reference no.:	N/A	Auftragsdatum: Order date:	2023-05-26	
Auftraggeber: Client:	Edifier International Limited P.O. Box 6264 General Post Office Hong Kong			
Prüfgegenstand: Test item:	Wireless Noise Cancellation Over-Ear Headphones			
Bezeichnung / Typ-Nr.: Identification / Type no.:	EDF200126 (Trademark: EDIFIER, Xemal)			
Auftrags-Inhalt: Order content:	Type test			
Prüfgrundlage: Test specification:	CFR47 FCC Part 15: Subpart C Section 15.247 CFR47 FCC Part 15: Subpart C Section 15.207 CFR47 FCC Part 15: Subpart C Section 15.209 RSS-247 Issue 2 February 2017 RSS-Gen Issue 5 March 2019			
Wareneingangsdatum: Date of sample receipt:	2023-06-07	Refer to photo documents		
Prüfmuster-Nr.: Test sample no.:	A003498734-001, 002			
Prüfzeitraum: Testing period:	2023-06-19 – 2023-07-04			
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:	2023-07-07 Signed by: Harry W. C. Wu		Ausstellungsdatum: Issue date:	2023-07-10 Signed by: Alex Lan
Stellung / Position:	Project Manager		Stellung / Position:	Reviewer
Sonstiges / Other:	FCC ID: Z9G-EDF208 IC: 10004A-EDF208 HVIN: EDF200126			
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>				

V05

Anmerkungen

Remarks

- | | |
|----------|--|
| 1 | <p>The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system.</p> <p>Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.</p> <p><i>Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben.</i></p> <p><i>Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden.</i></p> |
| 2 | <p>As contractually agreed, this document has been signed digitally only. TÜV Rheinland has not verified and unable to verify which legal or other pertaining requirements are applicable for this document. Such verification is within the responsibility of the user of this document. Upon request by its client, TÜV Rheinland can confirm the validity of the digital signature by a separate document. Such request shall be addressed to our Sales department. An environmental fee for such additional service will be charged.</p> <p><i>Wie vertraglich vereinbart, wurde dieses Dokument nur digital unterzeichnet. Der TÜV Rheinland hat nicht überprüft, welche rechtlichen oder sonstigen diesbezüglichen Anforderungen für dieses Dokument gelten. Diese Überprüfung liegt in der Verantwortung des Benutzers dieses Dokuments. Auf Verlangen des Kunden kann der TÜV Rheinland die Gültigkeit der digitalen Signatur durch ein gesondertes Dokument bestätigen. Diese Anfrage ist an unseren Vertrieb zu richten. Eine Umweltgebühr für einen solchen zusätzlichen Service wird erhoben.</i></p> |
| 3 | <p>Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report. Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.</p> <p><i>Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben. Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt.</i></p> |
| 4 | <p>The decision rule for statements of conformity, based on numerical measurement results, in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2021, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019.</p> <p><i>Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnissen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2021, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. Zu weiteren Informationen bezüglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019.</i></p> |

Prüfbericht-Nr.: CN23VFCA 001
Test report no.:

Seite 3 von 23
Page 3 of 23

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

Prüfbericht-Nr.: CN23VFCA 001
Test report no.:

Seite 4 von 23
Page 4 of 23

Contents

1	GENERAL REMARKS	5
1.1	COMPLEMENTARY MATERIALS	5
2	TEST SITES.....	5
2.1	TEST FACILITIES.....	5
2.2	LIST OF TEST AND MEASUREMENT INSTRUMENTS	6
2.3	TRACEABILITY.....	7
2.4	CALIBRATION.....	7
2.5	MEASUREMENT UNCERTAINTY	7
2.6	LOCATION OF ORIGINAL DATA	7
2.7	STATUS OF FACILITY USED FOR TESTING.....	7
3	GENERAL PRODUCT INFORMATION.....	8
3.1	PRODUCT FUNCTION AND INTENDED USE.....	8
3.2	RATINGS AND SYSTEM DETAILS	8
3.3	INDEPENDENT OPERATION MODES	10
3.4	NOISE GENERATING AND NOISE SUPPRESSING PARTS.....	10
3.5	SUBMITTED DOCUMENTS.....	10
4	TEST SET-UP AND OPERATION MODES	11
4.1	PRINCIPLE OF CONFIGURATION SELECTION.....	11
4.2	TEST OPERATION AND TEST SOFTWARE.....	11
4.3	SPECIAL ACCESSORIES AND AUXILIARY EQUIPMENT.....	11
4.4	COUNTERMEASURES TO ACHIEVE EMC COMPLIANCE.....	11
4.5	TEST SETUP DIAGRAM	12
5	TEST RESULTS.....	14
5.1	TRANSMITTER REQUIREMENT & TEST SUITES.....	14
5.1.1	<i>Antenna Requirement.....</i>	<i>14</i>
5.1.2	<i>Maximum Conducted Output Power</i>	<i>15</i>
5.1.3	<i>99% Bandwidth</i>	<i>16</i>
5.1.4	<i>Conducted Spurious Emissions Measured in 100 kHz Bandwidth</i>	<i>17</i>
5.1.5	<i>Radiated Spurious Emission.....</i>	<i>18</i>
5.1.6	<i>20dB Bandwidth</i>	<i>19</i>
5.1.7	<i>Carrier Frequency Separation.....</i>	<i>20</i>
5.1.8	<i>Number of Hopping Frequency.....</i>	<i>21</i>
5.1.9	<i>Time of Occupancy</i>	<i>22</i>
6	PHOTOGRAPHS OF THE TEST SET-UP.....	23
7	LIST OF TABLES	23

Prüfbericht-Nr.: CN23VFCA 001
Test report no.:

Seite 5 von 23
Page 5 of 23

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.

2 Test Sites

2.1 Test Facilities

TÜV Rheinland (Shenzhen) Co., Ltd.

No.362, Huanguan Middle Road, Songyuansha Community, Guanhu Subdistrict, Longhua District,
Shenzhen, Guangdong, China/518110

FCC Registration No.: 694916

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

Prüfbericht-Nr.: CN23VFCA 001
Test report no.:

Seite 6 von 23
Page 6 of 23

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Radio Spectrum Testing (TS8997)				
Equipment	Manufacturer	Model	Serial No.	Cal. until
EXA Signal Analyzer, Multi-touch	Keysight	N9010B	MY60241175	2023-10-10
MXG X-Series RF Vector Signal Generator	Keysight	N5182B	MY61250137	2023-10-10
EXG X-Series Microwave Analog Signal Generator	Keysight	N5173B	MY61250141	2023-10-10
DC Power Supply	Keysight	E3642A	MY61276100	2023-10-10
Wireless Connectivity Tester	R&S	CMW270	102505	2023-10-10
Power Control Unit	Tonscend	JS0806-4ADC	N/A	2023-10-10
Automation Control Unit	Tonscend	JS0806-2	21C8060396	2023-10-10
Test Software	Tonscend	JS1120-3	N/A	N/A
Control PC	Lenovo	TianYi510S-071MB	Y LX23JMF	N/A
Unwanted Emission Testing (TS9975)				
Equipment	Manufacturer	Model	Serial No.	Cal. until
EMI Test Receiver	R&S	ESR 7	102021	2023-08-02
Signal Analyzer	R&S	FSV 40	101439	2023-08-01
System Controller Interface	R&S	SCI-100	S10010038	N/A
Filterbank	R&S	Wlan	100759	2023-08-01
OSP	R&S	OSP 120	102040	N/A
Pre-amplifier	R&S	SCU08F1	08320031	2023-08-02
Amplifier	R&S	SCU-18F	180070	2023-08-02
Amplifier	R&S	SCU40A	100475	2023-08-02
Trilog Broadband Antenna (30 MHz - 7 GHz)	Schwarzbeck	VULB 9162	193	2024-08-06
Double-Ridged Antenna (1 -18 GHz)	ETS-LINDGREN	3117	00218717	2024-08-06
Wideband Ridged Horn Antenna (18-40 GHz)	Steatite	QMS-00880	19067	2024-08-27
Active Loop Antenna	Schwarzbeck	FMZB 1513	302	2023-08-06
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	2024-06-22

Prüfbericht-Nr.: CN23VFCA 001
Test report no.:

Seite 7 von 23
Page 7 of 23

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	$\pm 2.08 \%$
RF output power, conducted	$\pm 0.99 \text{ dB}$
RF power density, conducted	$\pm 0.99 \text{ dB}$
Unwanted Emissions, conducted	$\pm 0.89 \text{ dB}$
All emissions, radiated	$\pm 4.17 \text{ dB}$

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 No.362, Huanguan Middle Road, Songyuansha Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China/518110 is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

Prüfbericht-Nr.: CN23VFCA 001
Test report no.:

Seite 8 von 23
Page 8 of 23

3 General Product Information

3.1 Product Function and Intended Use

The EUT is Bluetooth Headset, which supports Bluetooth dual mode technology.
The Classical Bluetooth and Bluetooth low energy can't transmit at the same time.
Alternative two different built-in batteries:

Description	Manufacturer	Model	Rating
Li-ion Polymer Battery	Golden CEL	503035	DC 3.7V, 500mAh
Li-ion Polymer Battery	WeAction	503035	DC 3.7V, 500mAh

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	Wireless Noise Cancellation Over-Ear Headphones
Type Designation	EDF200126
Trademark	EDIFIER, Xemal
FCC ID	Z9G-EDF208
IC	10004A-EDF208
HVIN	EDF200126
Extreme Temperature Range	0°C - +35°C
Operating Voltage	DC 5V, 1A via Type C interface or DC 3.7V, 500mAh via built-in battery
Technical Specification of Classical Bluetooth	
Bluetooth Core Version	Bluetooth 5.3
Operating Frequency band	2402 ~ 2480 MHz
Channel Number	79 channels
Channel separation	1MHz
Modulation	GFSK, $\pi/4$ DQPSK, 8DPSK
Antenna Type	PCB antenna
Antenna Gain	2.0 dBi (Provided by the Client)
Technical Specification of Bluetooth Low Energy	
Bluetooth Core Version	Bluetooth 5.3
Operating Frequency band	2402 ~ 2480 MHz
Channel Number	40 channels
Channel separation	2MHz
Data rate	1Mbps, 2Mbps
Modulation	GFSK
Antenna Type	PCB antenna
Antenna Gain	2.0 dBi (Provided by the Client)

Prüfbericht-Nr.: **CN23VFCA 001**
Test report no.:

Seite 9 von 23
Page 9 of 23

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

Prüfbericht-Nr.: CN23VFCA 001
Test report no.:

Seite 10 von 23
Page 10 of 23

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

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 | |

Prüfbericht-Nr.: CN23VFCA 001
Test report no.:

Seite 11 von 23
Page 11 of 23

4 Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

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

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

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All testing were performed according to the procedures in ANSI C63.10: 2013.

According to clause 3.1, all test items were applied on model EDF200126 with Golden CEL Battery.

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.

Prüfbericht-Nr.: CN23VFCA 001
Test report no.:

Seite 12 von 23
Page 12 of 23

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test (Below 30MHz)

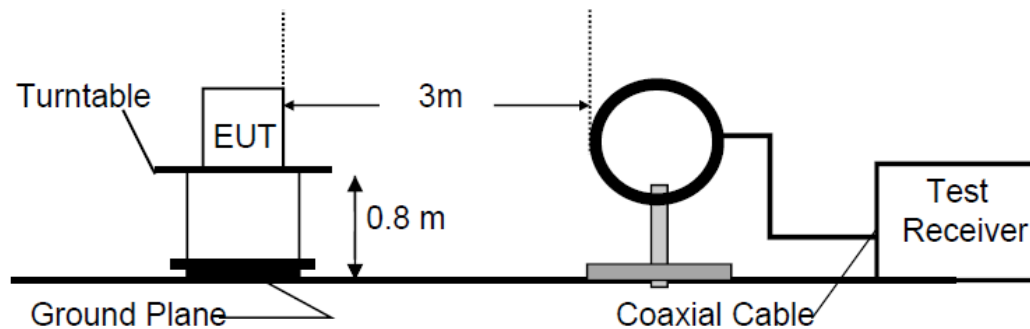


Diagram of Measurement Configuration for Radiation Test (Below 1GHz)

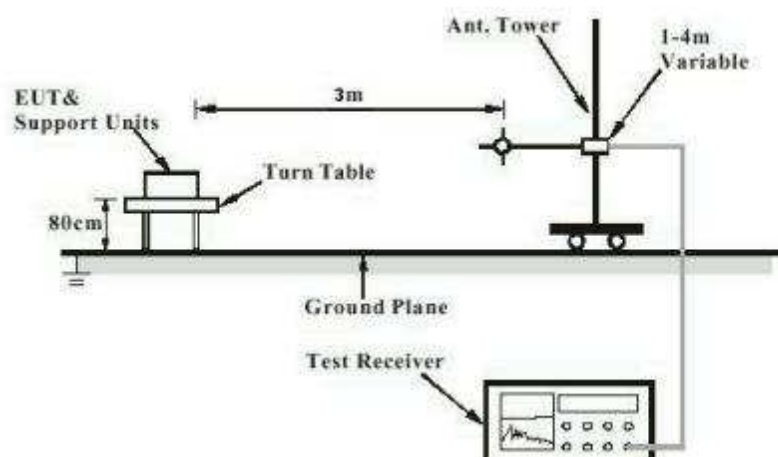
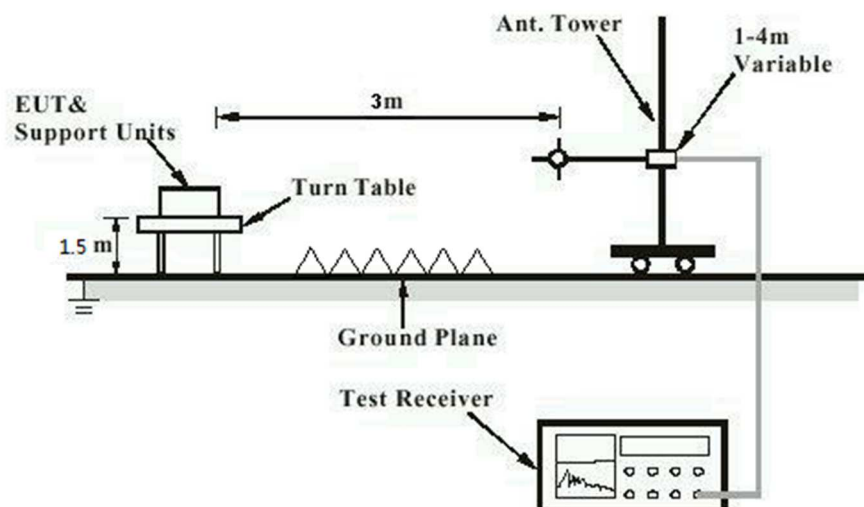


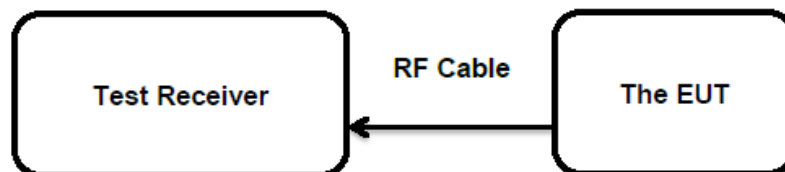
Diagram of Measurement Configuration for Radiation Test (Above 1GHz)



Prüfbericht-Nr.: CN23VFCA 001
Test report no.:

Seite 13 von 23
Page 13 of 23

Diagram of Measurement Configuration for Conducted Transmitter Measurement



Prüfbericht-Nr.: CN23VFCA 001
Test report no.:

Seite 14 von 23
Page 14 of 23

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 PCB Layout antenna, the directional gain of antennas is 2 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.

Prüfbericht-Nr.: CN23VFCA 001
Test report no.:

Seite 15 von 23
Page 15 of 23

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: 2013
Limits FHSS<0.125W(Maximum conducted output power)
< 4 W (e.i.r.p.)
Kind of test site Shielded Room

Test Setup

Date of testing 2023-06-19 to 2023-07-04
Input voltage DC 3.7V
Operation mode A.1
Test channel Low / Middle / High
Ambient temperature 25.8 °C
Relative humidity 63 %
Atmospheric pressure 101 kPa

Table 6: Test Result of Maximum Conducted Output Power

Test Mode	Channel Frequency (MHz)	Measured Average Output Power		Limit
		(dBm)	(W)	(W)
BR	2402	4.01	0.00252	< 0.125
	2441	3.35	0.00216	
	2480	3.96	0.00249	
EDR	2402	1.63	0.00146	
	2441	0.29	0.00107	
	2480	0.90	0.00123	
Maximum Measured Value		4.01	0.00252	

Note: The cable loss is taken into account in results and the maximum e.i.r.p. is 6.01 dBm less than 4W(36dBm).

Prüfbericht-Nr.: CN23VFCA 001
Test report no.:

Seite 16 von 23
Page 16 of 23

5.1.3 99% Bandwidth

RESULT:

Pass

Test Specification

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

Test Setup

Date of testing : 2023-06-19 to 2023-07-04
Input voltage : DC 3.7V
Operation mode : A.1
Test channel : Low / Middle / High
Ambient temperature : 25.8 °C
Relative humidity : 63 %
Atmospheric pressure : 101 kPa

For the measurement records, refer to the appendix B.

Table 7: Test Result of 99% Bandwidth

Test Mode	Channel Frequency (MHz)	Measured 99% Bandwidth	Limit
		(MHz)	
BR	2402	0.83738	/
	2441	0.90680	
	2480	0.90490	
EDR	2402	1.1498	/
	2441	1.1506	
	2480	1.1599	

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

Prüfbericht-Nr.: CN23VFCA 001
Test report no.:

Seite 17 von 23
Page 17 of 23

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: 2013
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 : 2023-06-19 to 2023-07-04
Input voltage : DC 3.7V
Operation mode : A.1
Test channel : Low / Middle / High
Ambient temperature : 25.8 °C
Relative humidity : 63 %
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

Prüfbericht-Nr.: CN23VFCA 001
Test report no.:

Seite 18 von 23
Page 18 of 23

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: 2013
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 : 2023-06-19 to 2023-07-04
Input voltage : DC 3.7V
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.

Prüfbericht-Nr.: CN23VFCA 001
Test report no.:

Seite 19 von 23
Page 19 of 23

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: 2013
Kind of test site : Shielded Room

Test Setup

Date of testing : 2023-06-19 to 2023-07-04
Input voltage : DC 3.7V
Operation mode : A.1
Test channel : Low / Middle / High
Ambient temperature : 25.8 °C
Relative humidity : 63 %
Atmospheric pressure : 101 kPa

For the measurement records, refer to the appendix B.

Table 8: Test Result of -20dB Bandwidth

Test Mode	Channel Frequency (MHz)	20dB Bandwidth (kHz)	2/3 of 20dB Bandwidth (kHz)	Limit (MHz)
BR	2402	939	626.000	/
	2441	1017	678.000	
	2480	1002	668.000	
EDR	2402	1251	834.000	/
	2441	1233	822.000	
	2480	1179	786.000	

Prüfbericht-Nr.: CN23VFCA 001
Test report no.:

Seite 20 von 23
Page 20 of 23

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: 2013
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 : 2023-06-19 to 2023-07-04
Input voltage : DC 3.7V
Operation mode : B
Test channel : Low / Middle / High
Ambient temperature : $25.8\text{ }^{\circ}\text{C}$
Relative humidity : 63 %
Atmospheric pressure : 101 kPa

For the measurement records, refer to the appendix B.

Table 9: Test Result of Carrier Frequency Separation

Test Mode	Channel	Result[MHz]	Limit[MHz]	Verdict
BR-DH5	Hop	0.994	≥ 0.678	PASS
EDR-3DH5	Hop	1.05	≥ 0.834	PASS

Note:

The limit is maximum $2/3$ of the 20 dB bandwidth: 834KHz .

Prüfbericht-Nr.: CN23VFCA 001
Test report no.:

Seite 21 von 23
Page 21 of 23

5.1.8 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: 2013
Limits : ≥ 15 non-overlapping channels
Kind of test site : Shielded Room

Test Setup

Date of testing : 2023-06-19 to 2023-07-04
Input voltage : DC 3.7V
Operation mode : B
Ambient temperature : 25.8 °C
Relative humidity : 63 %
Atmospheric pressure : 101 kPa

For the measurement records, refer to the appendix B.

Table 10: Test Result of Number of Hopping Frequency

Frequency Range	Measured Quantity of Hopping Channel	Limit	Result
2402 to 2480 MHz	79	≥ 15	Pass

Prüfbericht-Nr.: CN23VFCA 001
Test report no.:

Seite 22 von 23
Page 22 of 23

5.1.9 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: 2013
Limits : < 0.4s
Kind of test site : Shielded Room

Test Setup

Date of testing : 2023-06-19 to 2023-07-04
Input voltage : DC 3.7V
Operation mode : B
Test channel : Low / Middle / High
Ambient temperature : 25.8 °C
Relative humidity : 63 %
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.

7 List of Tables

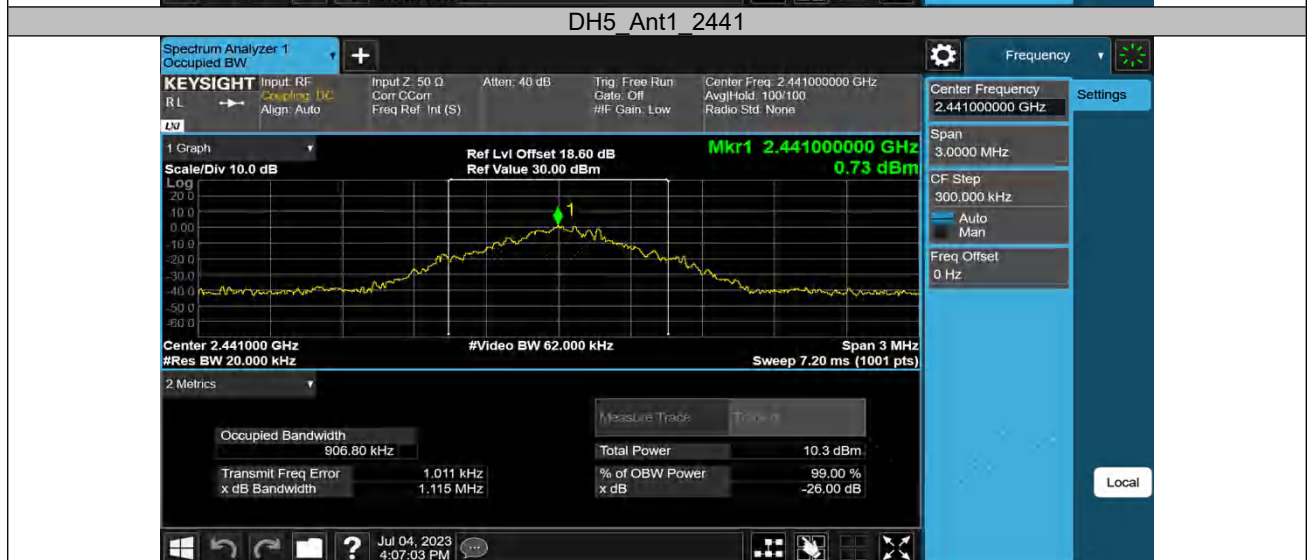
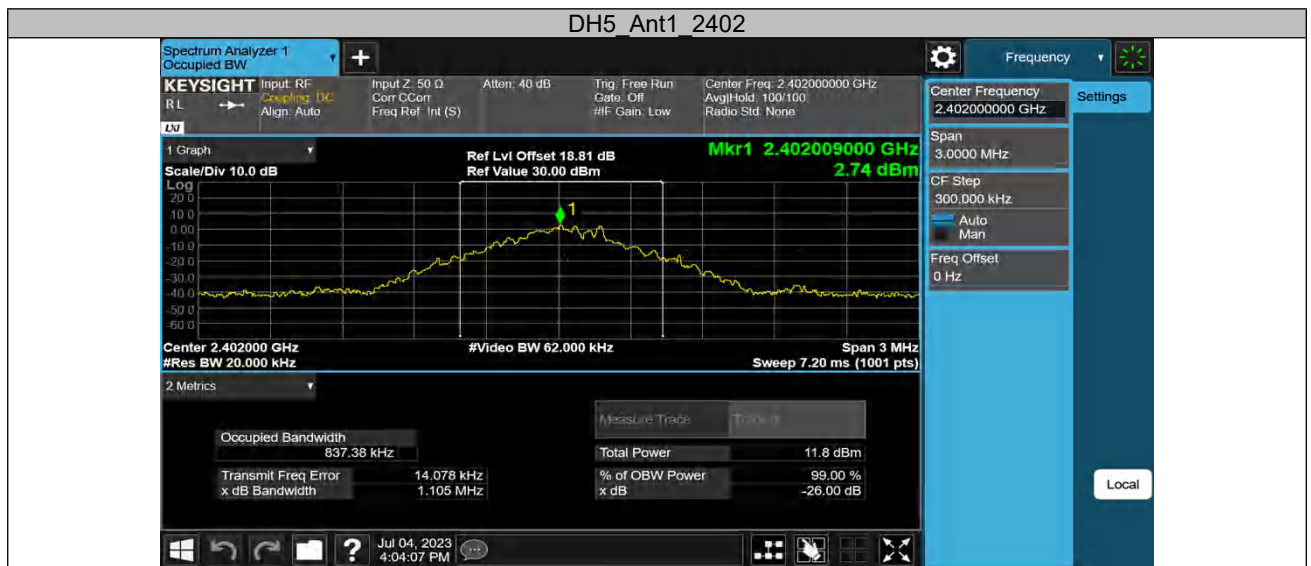
Table 1: List of Test and Measurement Equipment.....	6
Table 2: Technical Specification of EUT	8
Table 3: RF Channel and Frequency of Classic Bluetooth.....	9
Table 4: RF Channel and Frequency of Bluetooth Low Energy.....	9
Table 5: List of Accessories and Auxiliary Equipment.....	11
Table 6: Test Result of Maximum Conducted Output Power.....	15
Table 7: Test Result of 99% Bandwidth	16
Table 8: Test Result of -20dB Bandwidth.....	19
Table 9: Test Result of Carrier Frequency Separation	20
Table 10: Test Result of Number of Hopping Frequency	21

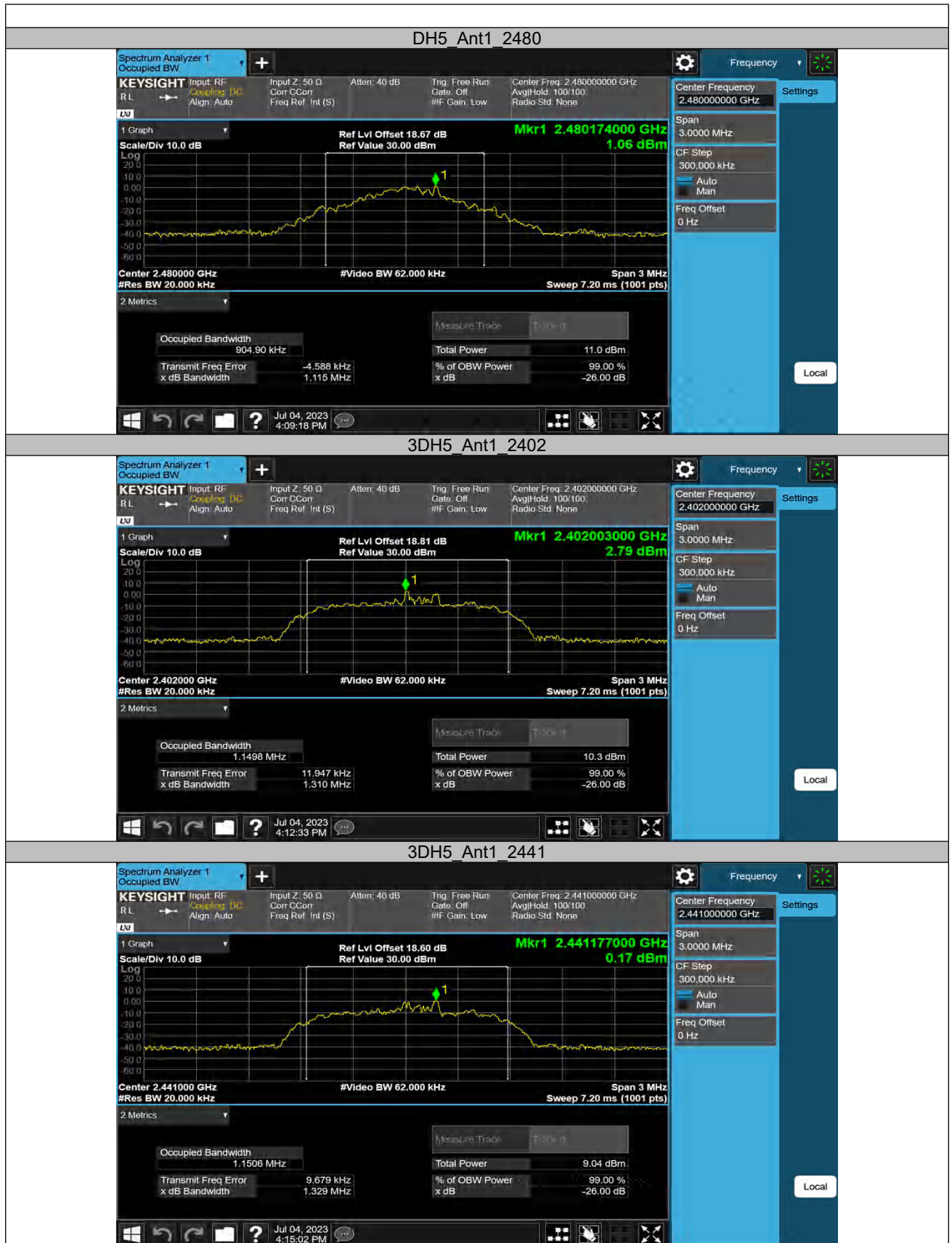
Appendix B: Test Results

APPENDIX B: TEST RESULTS	1
APPENDIX B.1: TEST RESULTS OF 99% BANDWIDTH	2
APPENDIX B.2: TEST RESULTS OF 20dB BANDWIDTH	5
APPENDIX B.3: TEST RESULTS OF CARRIER FREQUENCY SEPARATION	8
APPENDIX B.4: TEST RESULTS OF NUMBER OF HOPPING FREQUENCY	9
APPENDIX B.5: TEST RESULTS OF TIME OF OCCUPANCY	14
APPENDIX B.6: TEST RESULTS OF CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 kHz BANDWIDTH	15
<i>Conducted measurements</i>	15
<i>Band edge measurements</i>	21
APPENDIX B.7: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS	25
30MHz - 1GHz	25
1GHz - 18GHz	27
APPENDIX B.8: TEST RESULTS OF RADIATED EMISSIONS IN RESTRICTED BANDS	39

Appendix B.1: Test Results of 99% Bandwidth

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.83738	2401.5954	2402.4328	---	---
		2441	0.90680	2440.5476	2441.4544	---	---
		2480	0.90490	2479.5430	2480.4479	---	---
3DH5	Ant1	2402	1.1498	2401.4371	2402.5869	---	---
		2441	1.1506	2440.4344	2441.5850	---	---
		2480	1.1599	2479.4337	2480.5936	---	---





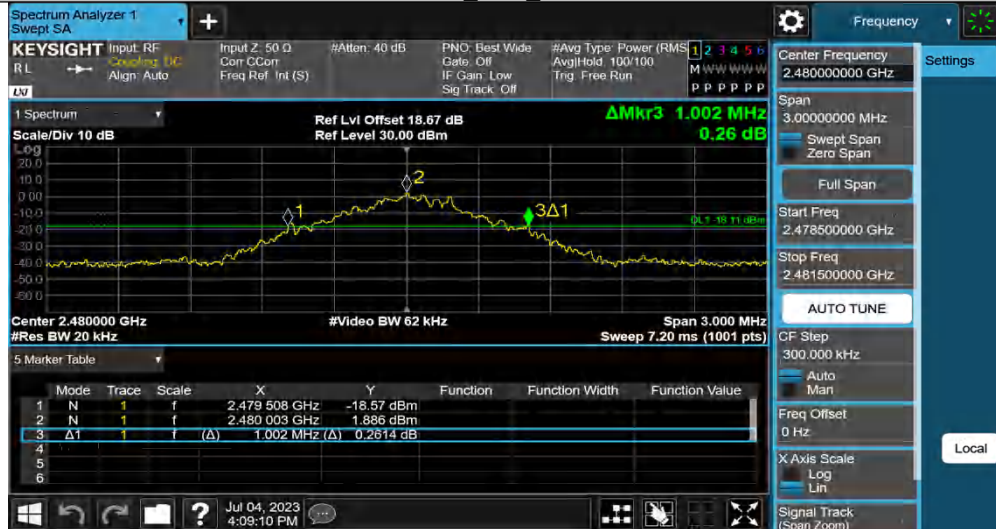


Appendix B.2: Test Results of 20dB Bandwidth

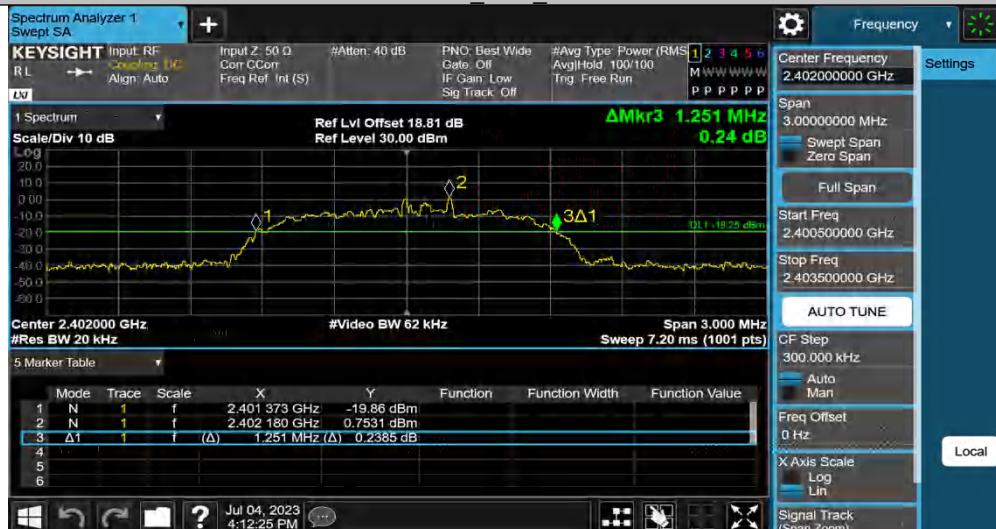
TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.939	2401.505	2402.444	---	---
		2441	1.017	2440.496	2441.513	---	---
		2480	1.002	2479.508	2480.510	---	---
3DH5	Ant1	2402	1.251	2401.373	2402.624	---	---
		2441	1.233	2440.382	2441.615	---	---
		2480	1.179	2479.427	2480.606	---	---



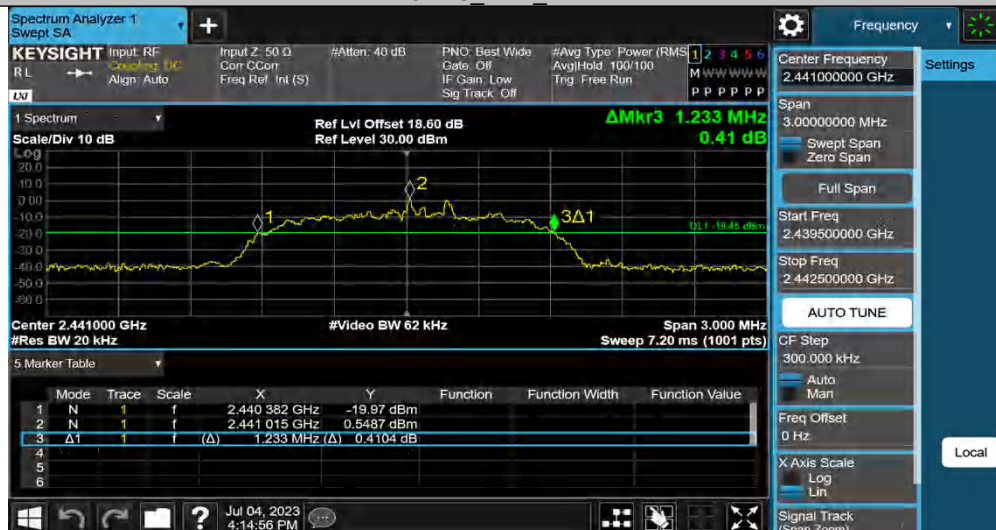
DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441





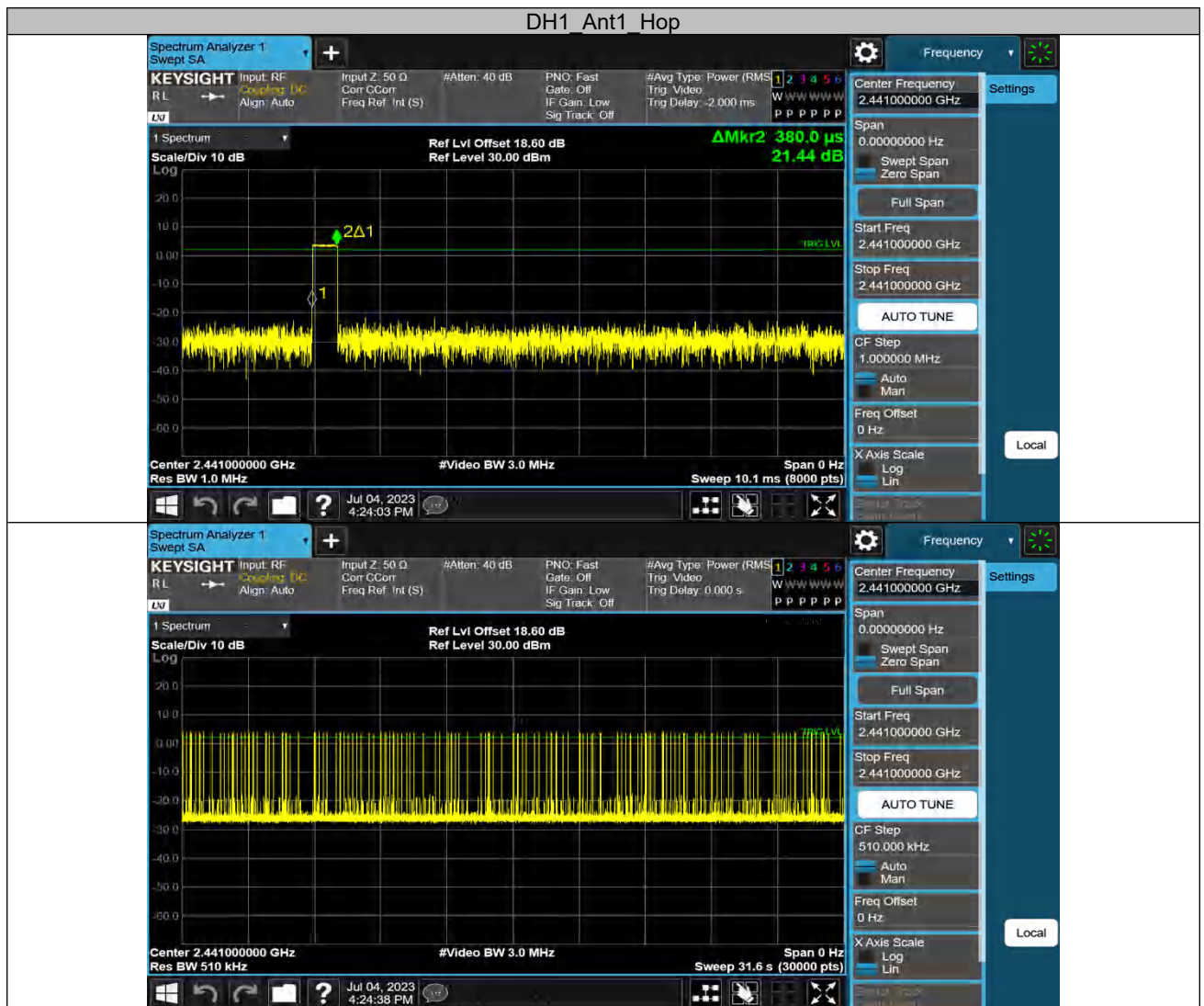
Appendix B.3: Test Results of Carrier Frequency Separation

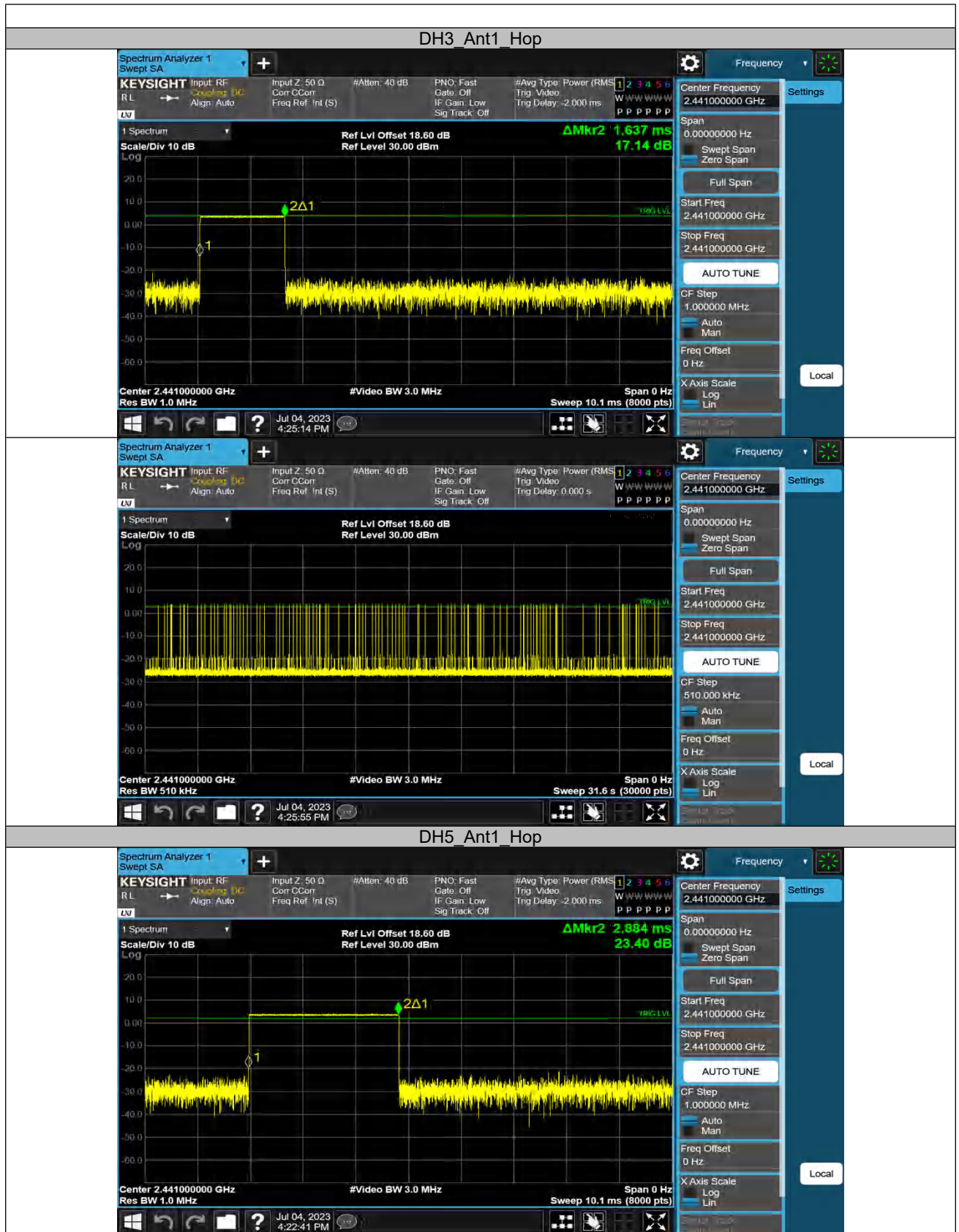
TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.994	≥ 0.678	PASS
3DH5	Ant1	Hop	1.05	≥ 0.834	PASS



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

TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.380	153	0.058	≤0.4	PASS
DH3	Ant1	Hop	1.637	109	0.178	≤0.4	PASS
DH5	Ant1	Hop	2.884	90	0.26	≤0.4	PASS
3DH1	Ant1	Hop	0.390	169	0.066	≤0.4	PASS
3DH3	Ant1	Hop	1.639	96	0.157	≤0.4	PASS
3DH5	Ant1	Hop	2.892	72	0.208	≤0.4	PASS

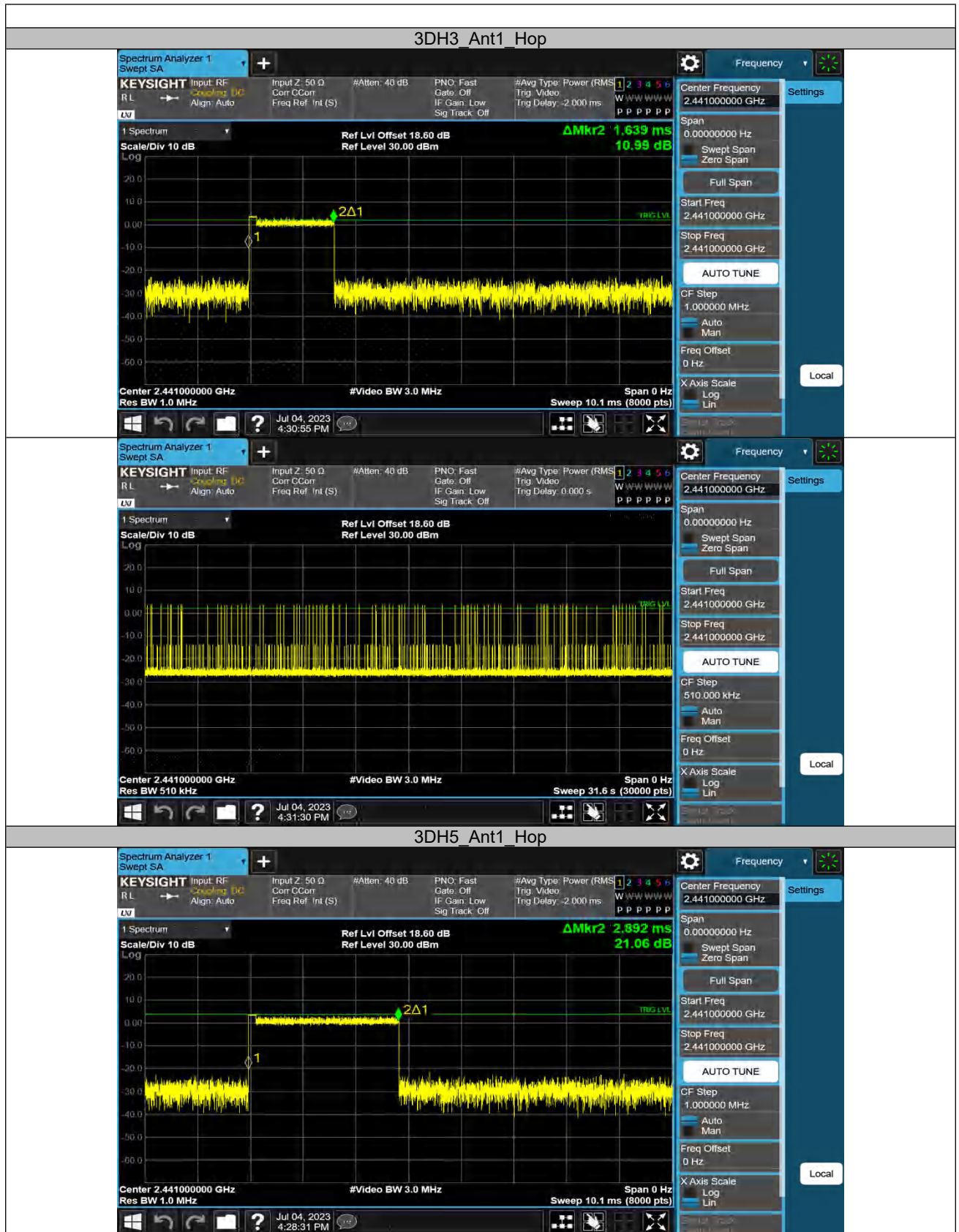






3DH1_Ant1_Hop

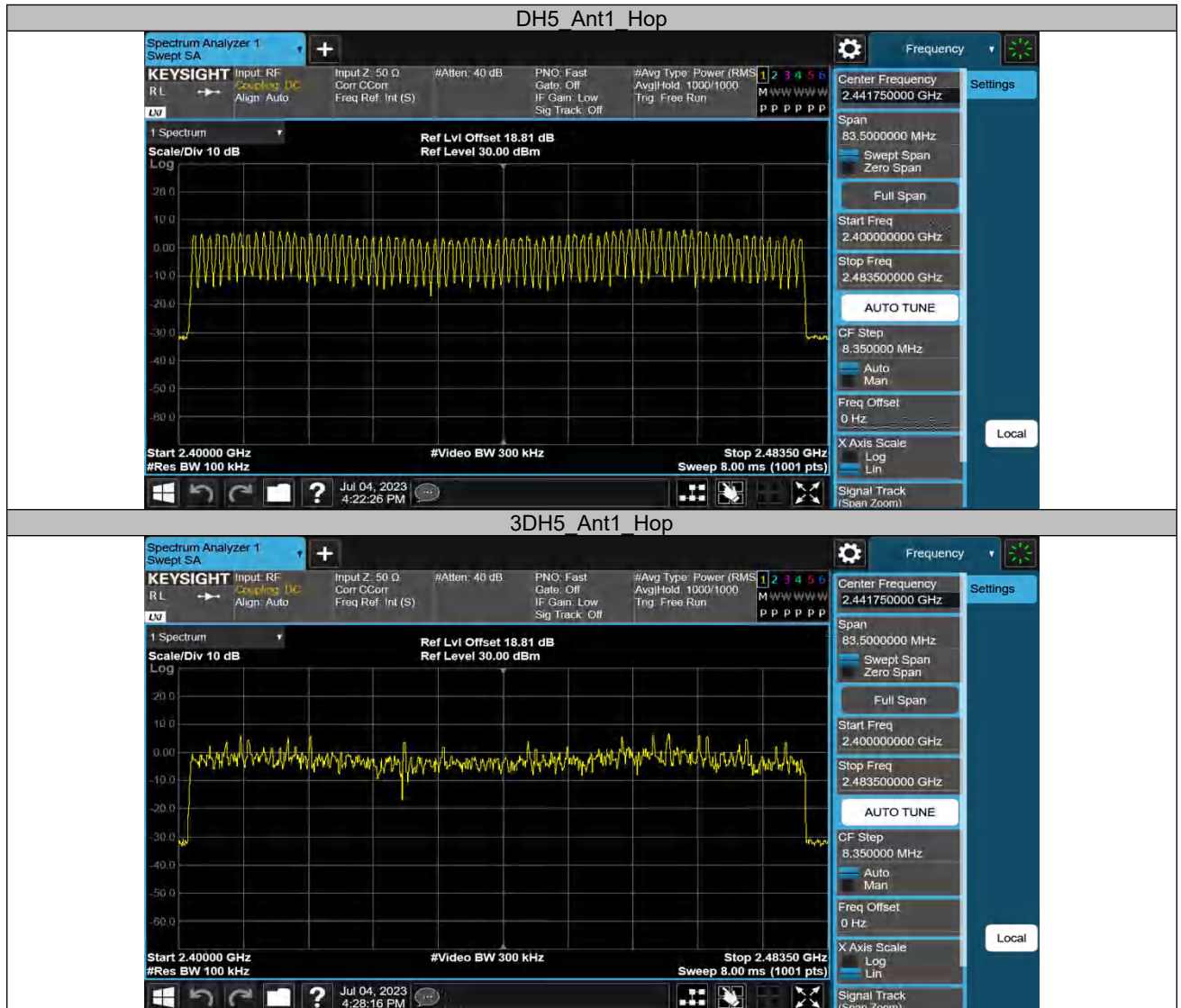






Appendix B.5: Test Results of Time of Occupancy

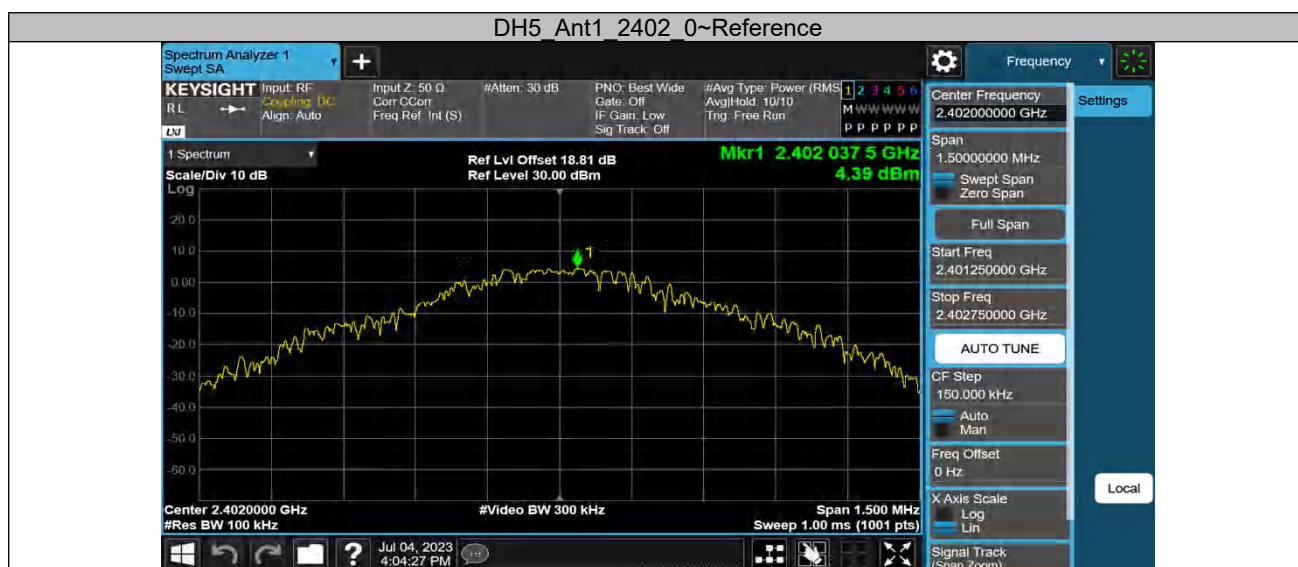
TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS



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	4.39	4.39	---	PASS
			30~1000	4.39	-41.23	≤-15.61	PASS
			1000~26500	4.39	-32.29	≤-15.61	PASS
		2441	Reference	3.52	3.52	---	PASS
			30~1000	3.52	-41.78	≤-16.48	PASS
			1000~26500	3.52	-31.6	≤-16.48	PASS
		2480	Reference	3.63	3.63	---	PASS
			30~1000	3.63	-40.76	≤-16.37	PASS
			1000~26500	3.63	-32.46	≤-16.37	PASS
3DH5	Ant1	2402	Reference	0.62	0.62	---	PASS
			30~1000	0.62	-40.64	≤-19.38	PASS
			1000~26500	0.62	-32.4	≤-19.38	PASS
		2441	Reference	-0.20	-0.20	---	PASS
			30~1000	-0.20	-41.79	≤-20.2	PASS
			1000~26500	-0.20	-32.45	≤-20.2	PASS
		2480	Reference	4.01	4.01	---	PASS
			30~1000	4.01	-41.29	≤-15.99	PASS
			1000~26500	4.01	-32.64	≤-15.99	PASS



DH5_Ant1_2402_30~1000



DH5_Ant1_2402_1000~26500



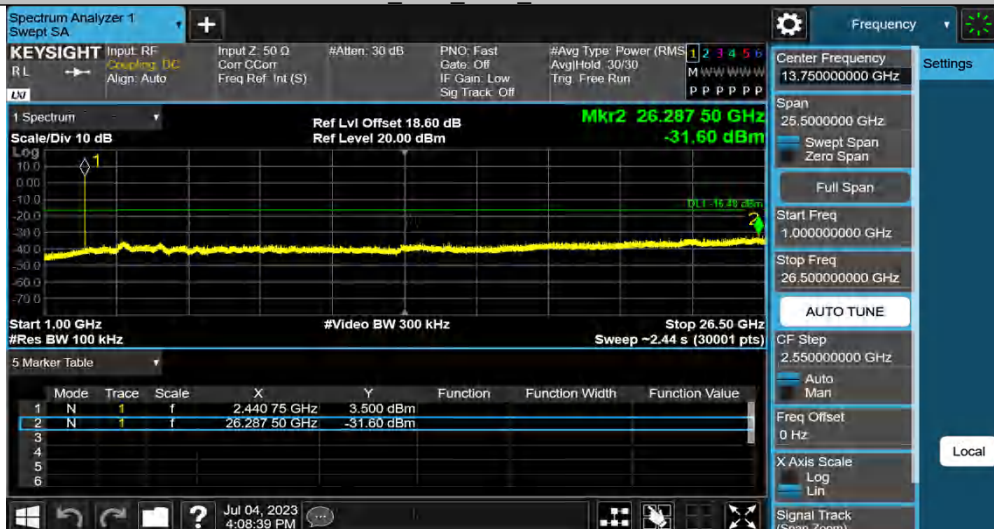
DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000

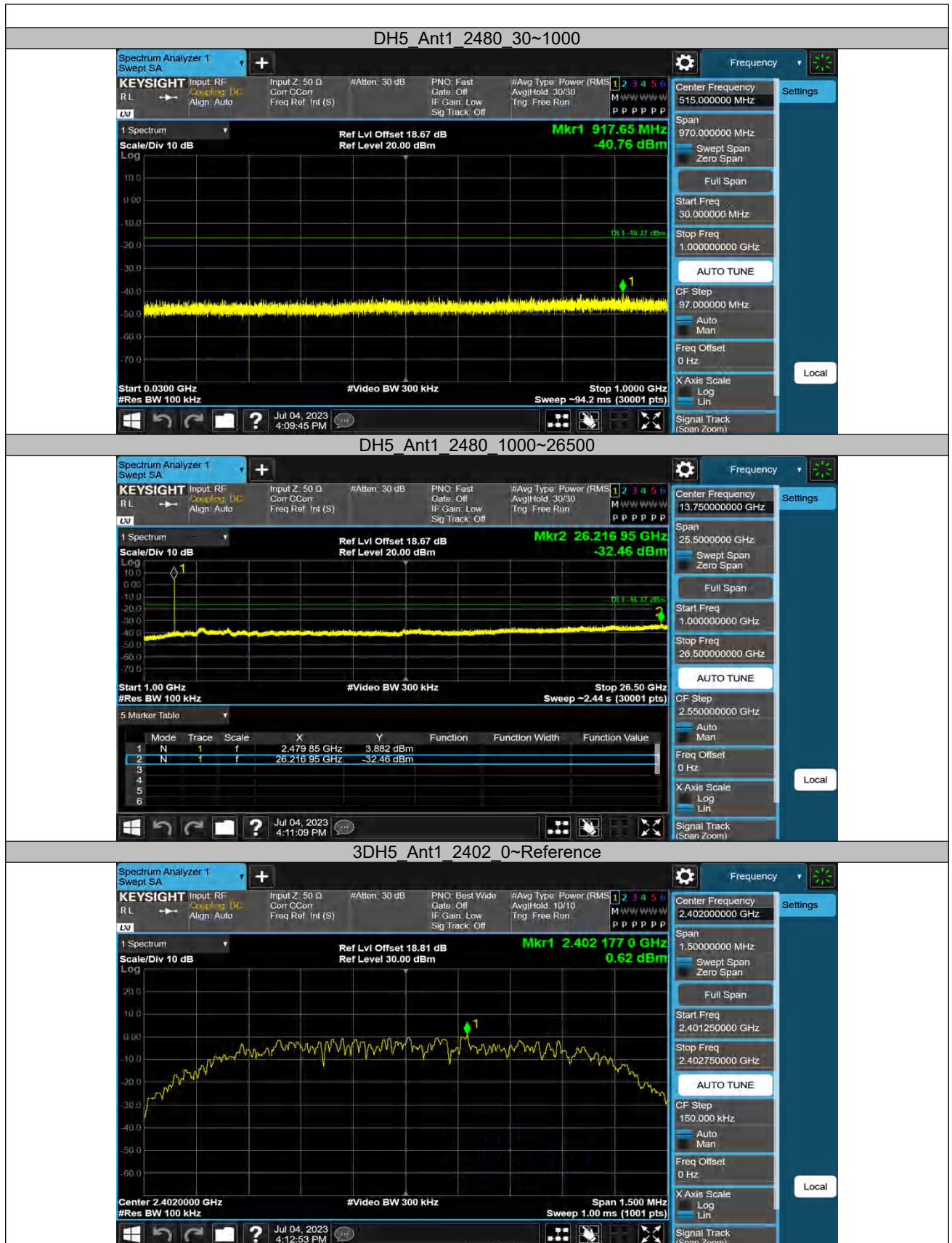


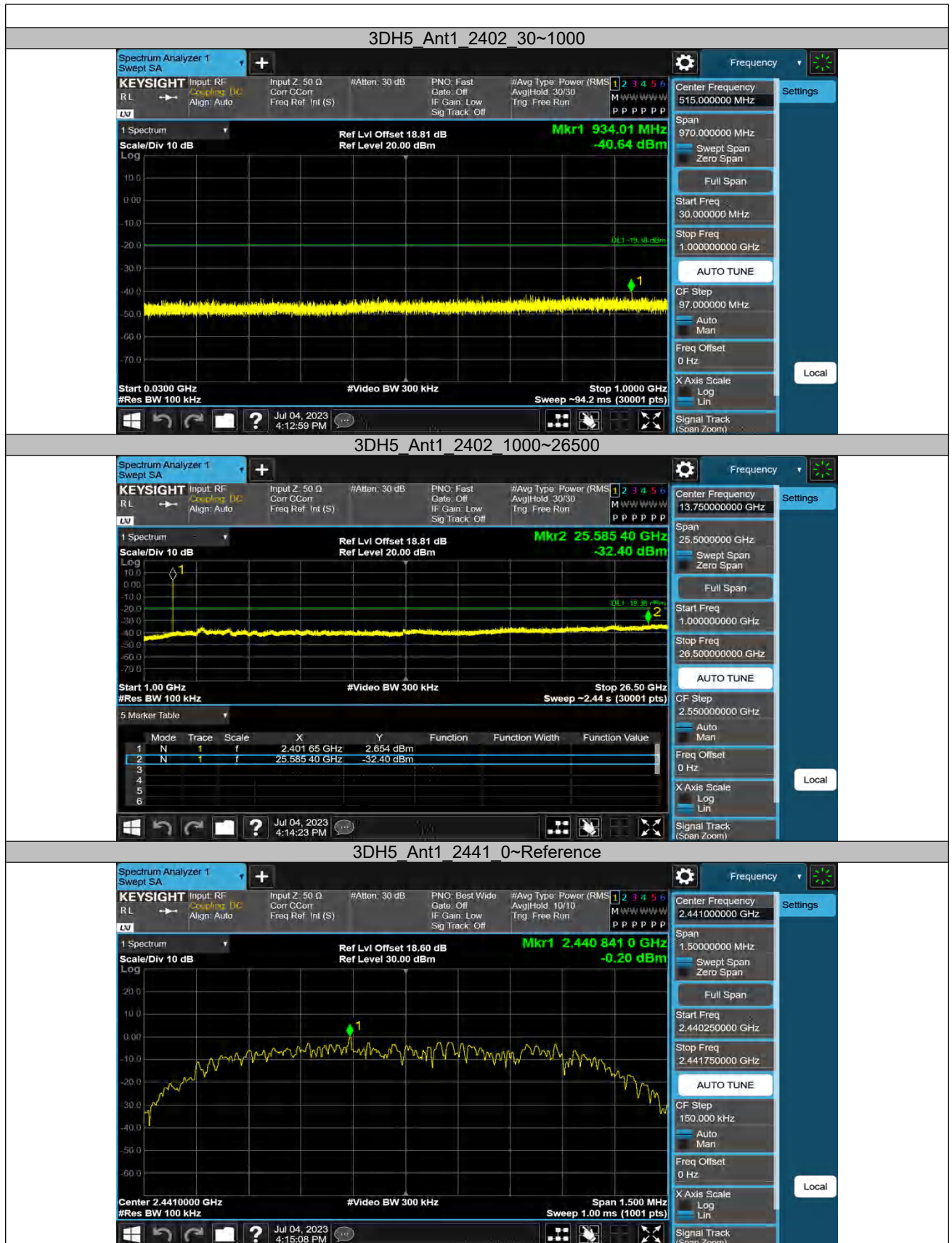
DH5_Ant1_2441_1000~26500

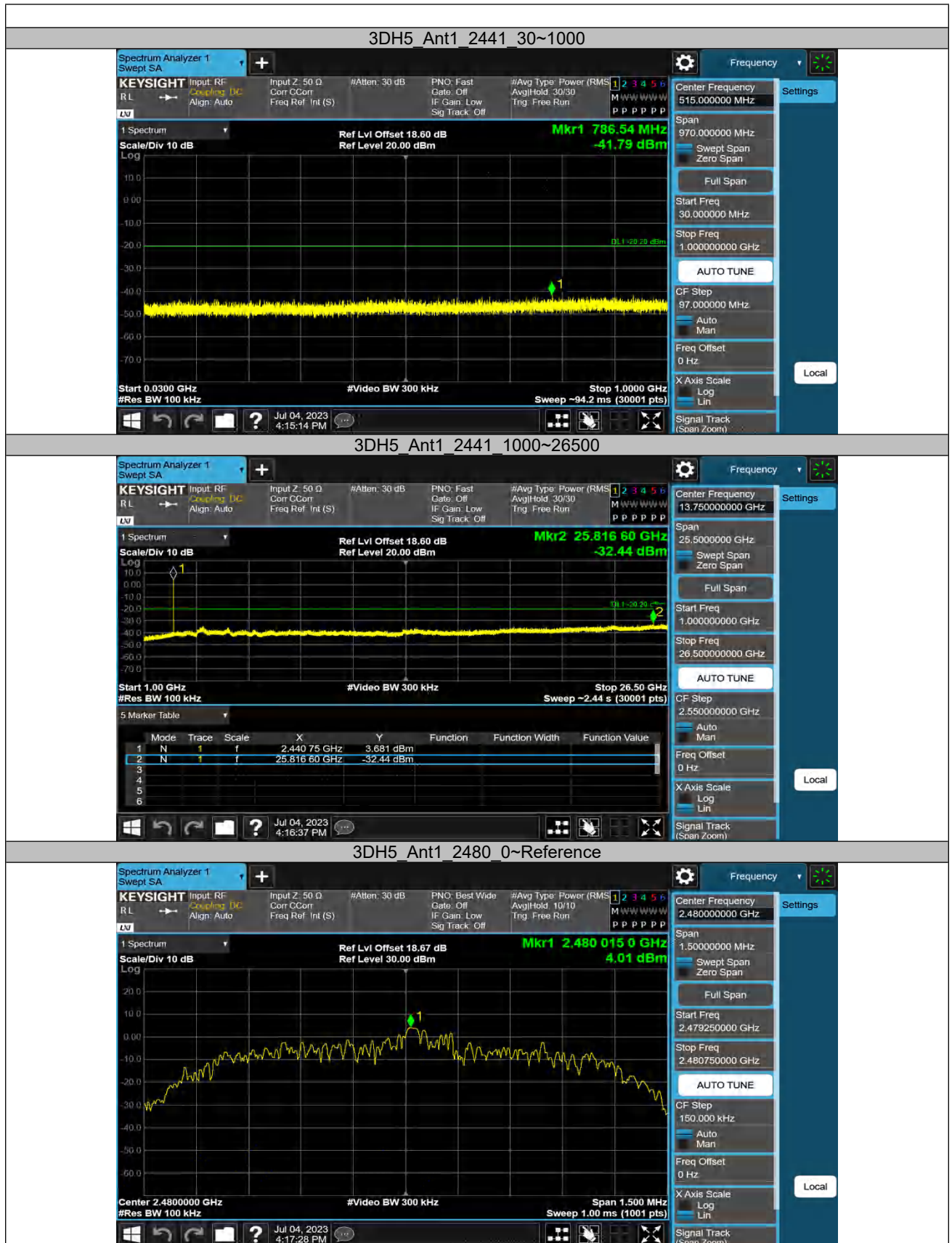


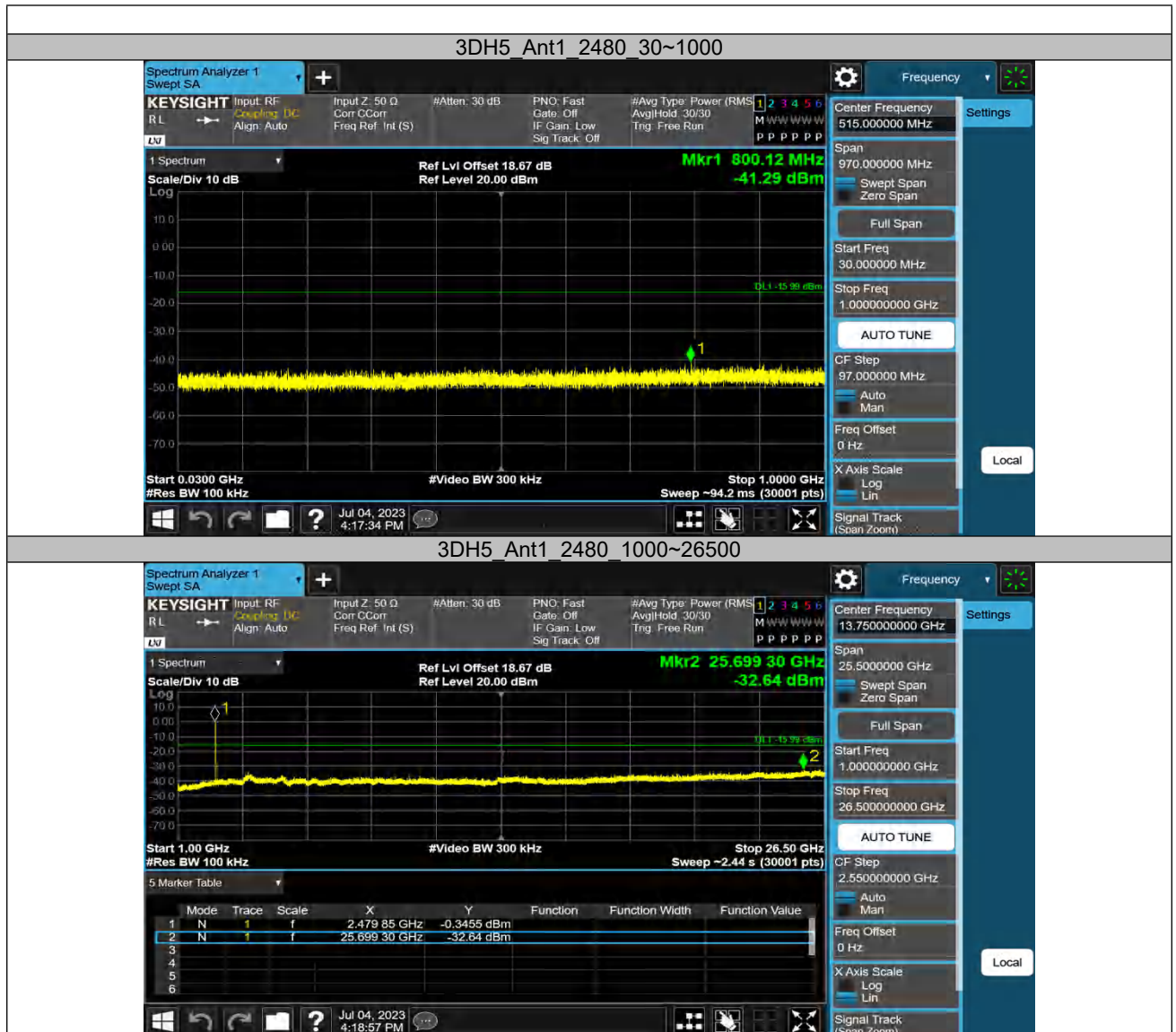
DH5_Ant1_2480_0~Reference







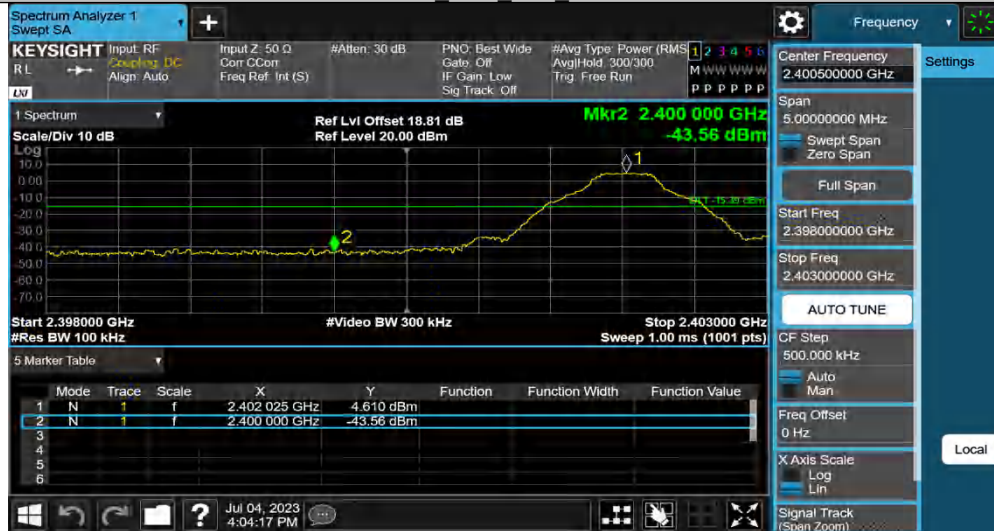




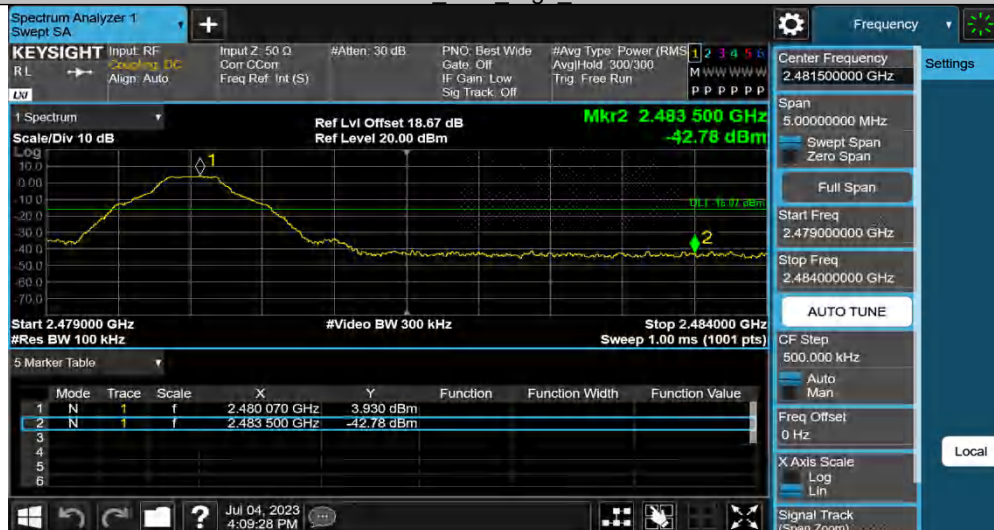
Band edge measurements

TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	4.61	-43.56	≤-15.39	PASS
		High	2480	3.93	-42.78	≤-16.07	PASS
3DH5	Ant1	Low	2402	4.91	-42.75	≤-15.09	PASS
		High	2480	4.01	-43.75	≤-15.99	PASS
DH5	Ant1	Hopping	2402	3.23	-43.53	≤-16.77	PASS
		Hopping	2480	3.63	-41.97	≤-16.37	PASS
3DH5	Ant1	Hopping	2402	-3.20	-44.83	≤-23.2	PASS
		Hopping	2480	1.85	-42.74	≤-18.15	PASS

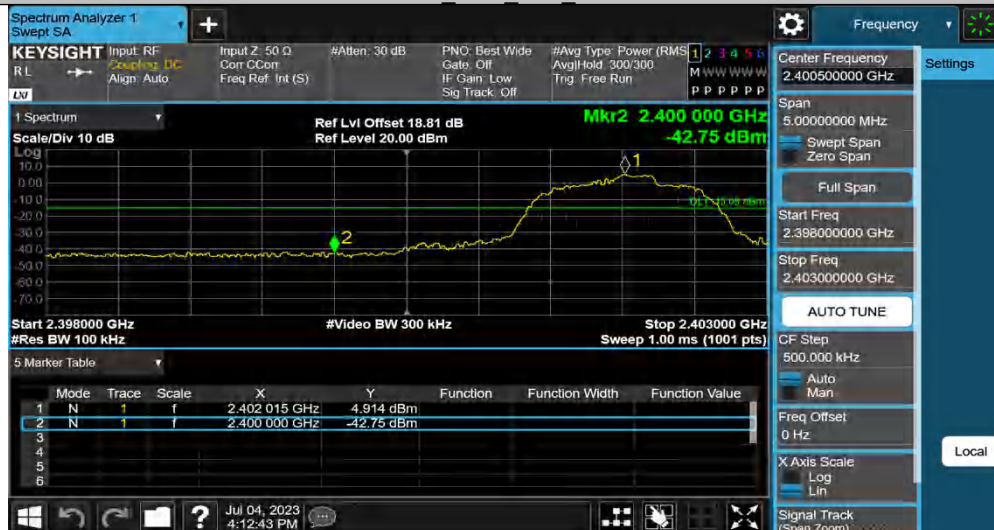
DH5 Ant1 Low 2402



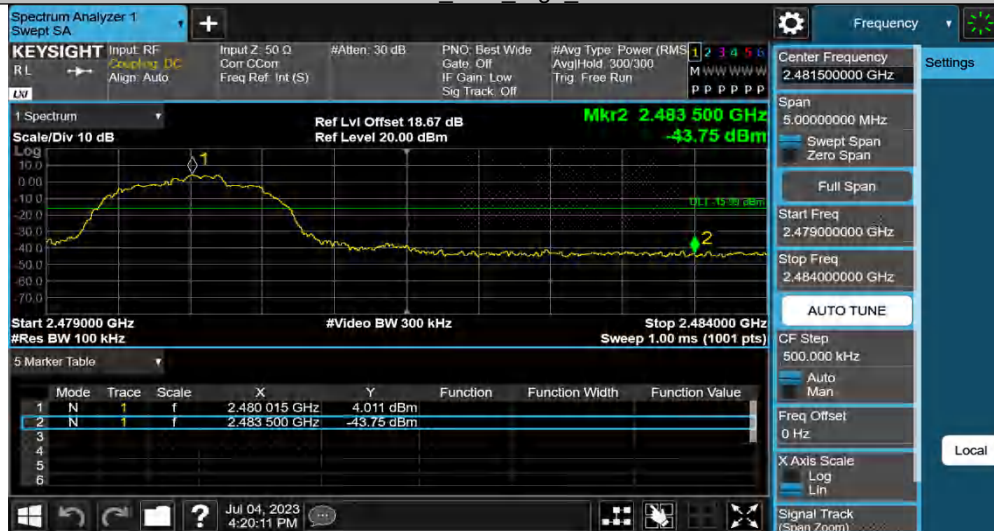
DH5 Ant1 High 2480



3DH5 Ant1 Low 2402



3DH5 Ant1 High 2480



DH5 Ant1 Hopping 2402



DH5 Ant1 Hopping 2480



3DH5_Ant1_Hopping_2402



3DH5_Ant1_Hopping_2480



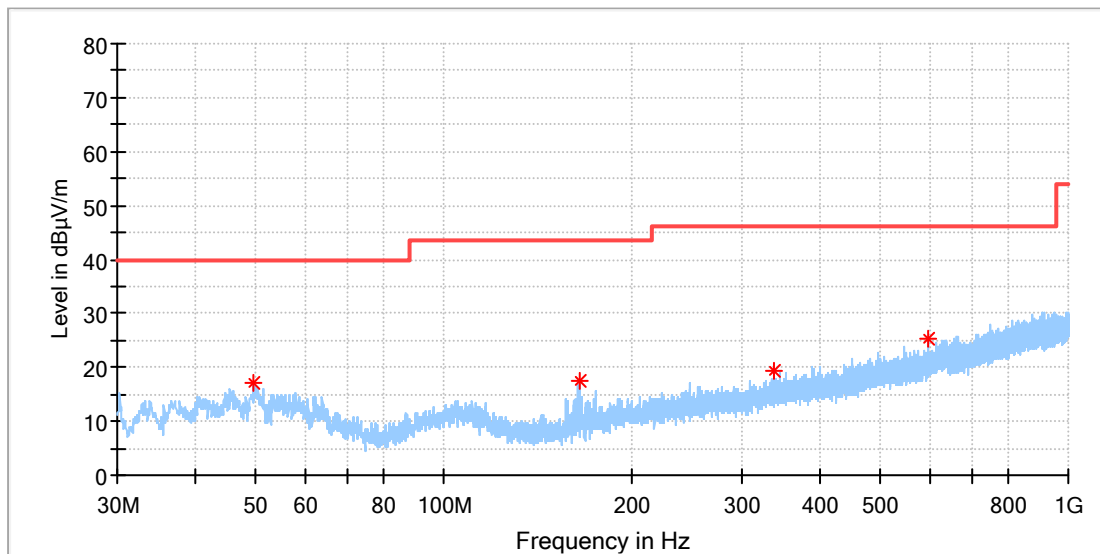
Appendix B.7: Test Results of Radiated Spurious Emissions

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:	Wireless Noise Cancellation Over-Ear Headphones
Model:	EDF200126
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168429638/A003502949-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

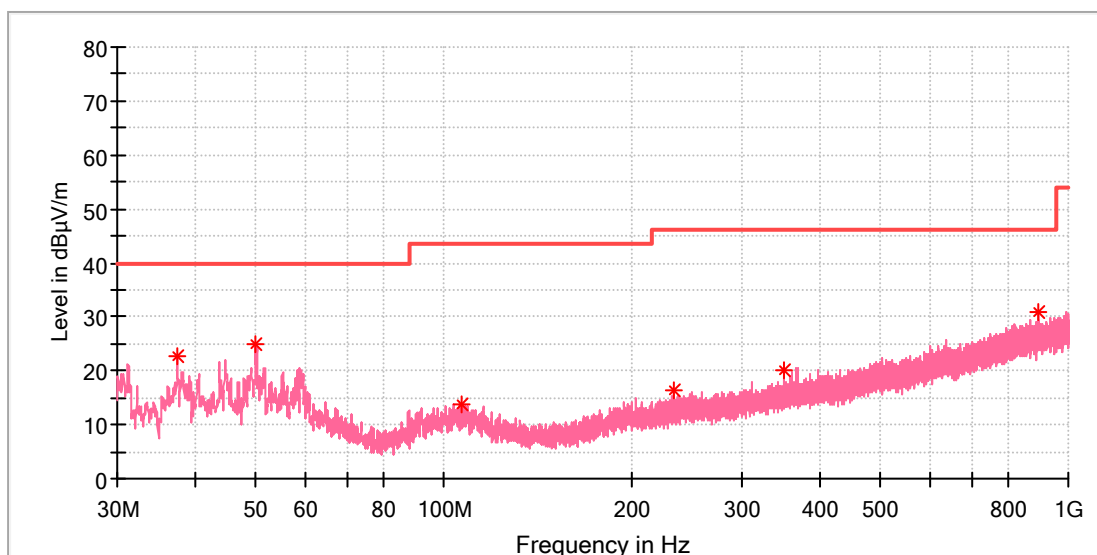


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
49.497000	16.98	40.00	23.02	100.0	H	323.0	-18.3
164.733000	17.47	43.50	26.03	100.0	H	41.0	-21.5
338.848000	19.25	46.00	26.75	100.0	H	55.0	-15.0
598.420000	25.47	46.00	20.53	100.0	H	83.0	-9.9

EUT Information

EUT Name:	Wireless Noise Cancellation Over-Ear Headphones
Model:	EDF200126
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168429638/A003502949-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

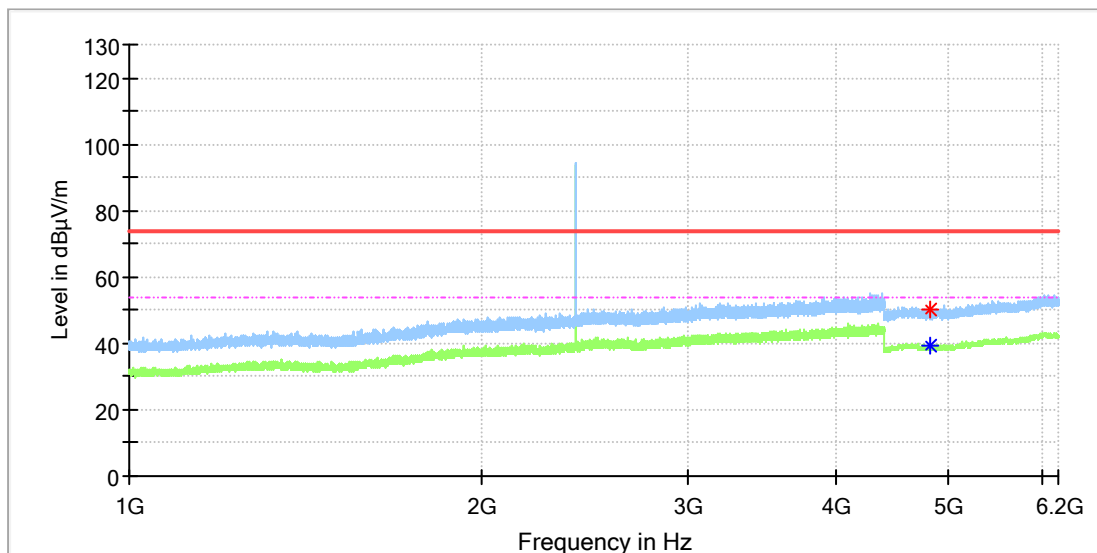
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
37.469000	22.58	40.00	17.42	100.0	V	116.0	-21.0
49.982000	24.84	40.00	15.16	100.0	V	7.0	-18.3
107.163500	13.73	43.50	29.77	100.0	V	217.0	-18.9
232.924000	16.45	46.00	29.55	100.0	V	130.0	-17.9
349.615000	20.22	46.00	25.78	100.0	V	94.0	-14.8
894.173000	30.84	46.00	15.16	100.0	V	130.0	-5.0

1GHz - 18GHz

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

EUT Information

EUT Name:	Wireless Noise Cancellation Over-Ear Headphones
Model:	EDF200126
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168429638/A003502949-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

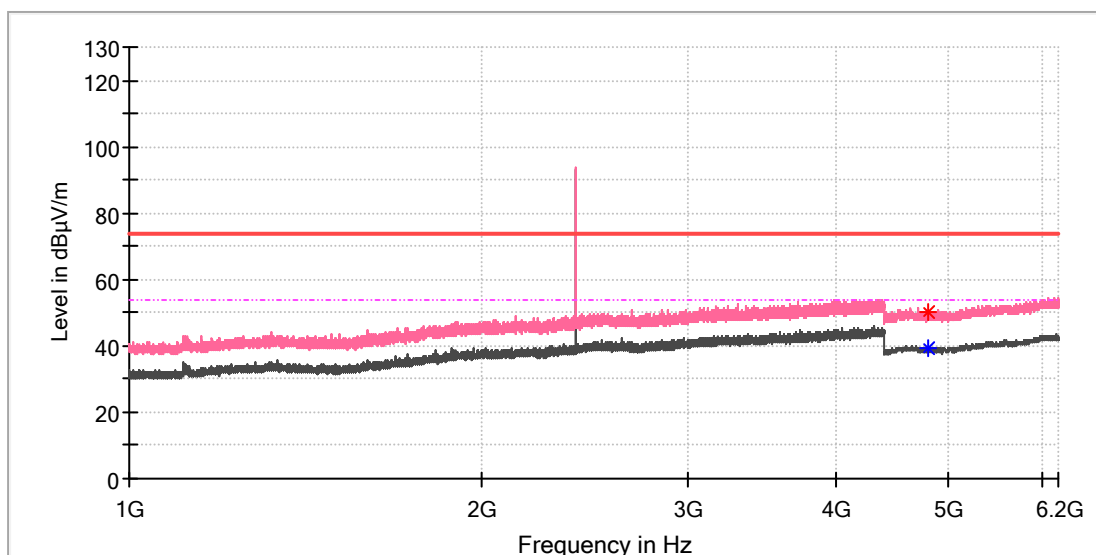


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4823.000000	50.38	---	74.00	23.62	150.0	H	334.0	11.8
4824.500000	---	39.30	54.00	14.70	150.0	H	65.0	11.8

EUT Information

EUT Name:	Wireless Noise Cancellation Over-Ear Headphones
Model:	EDF200126
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168429638/A003502949-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

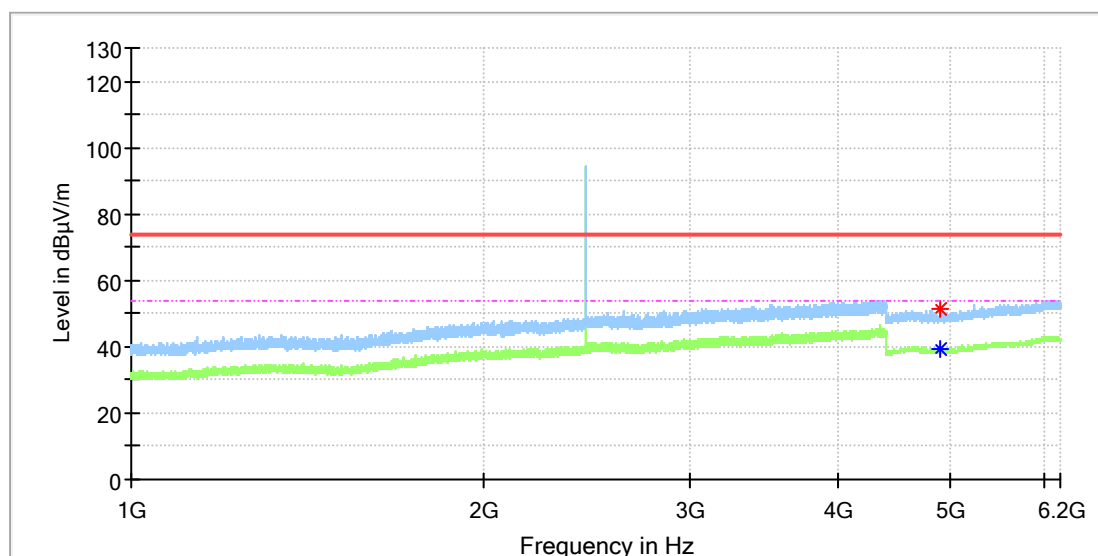


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4800.000000	50.21	---	74.00	23.79	150.0	V	221.0	11.8
4808.000000	---	39.59	54.00	14.41	150.0	V	257.0	11.8

EUT Information

EUT Name:	Wireless Noise Cancellation Over-Ear Headphones
Model:	EDF200126
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168429638/A003502949-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

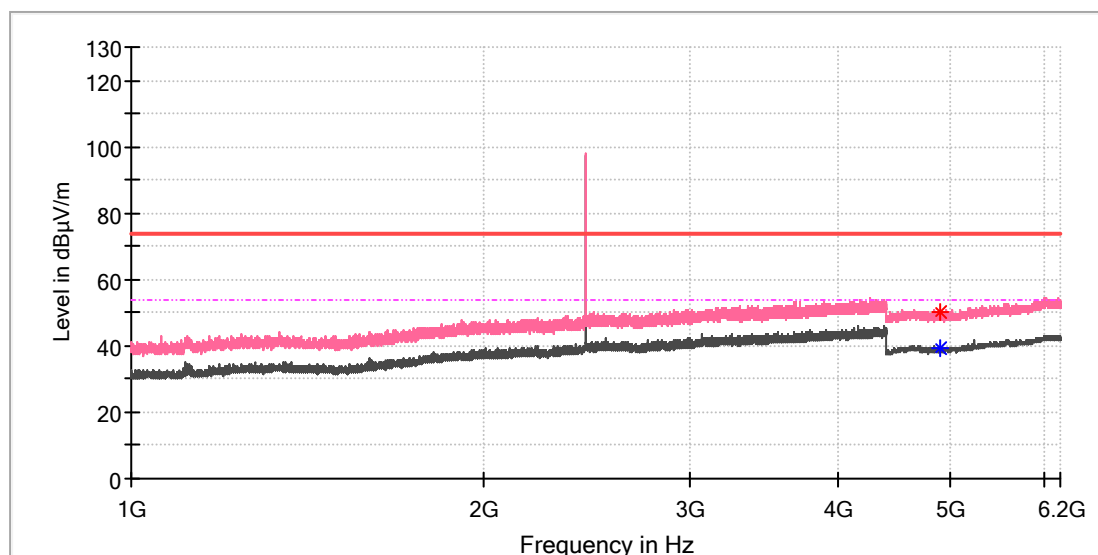


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4893.500000	51.10	---	74.00	22.90	150.0	H	98.0	11.8
4905.500000	---	39.09	54.00	14.91	150.0	H	86.0	11.8

EUT Information

EUT Name:	Wireless Noise Cancellation Over-Ear Headphones
Model:	EDF200126
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168429638/A003502949-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

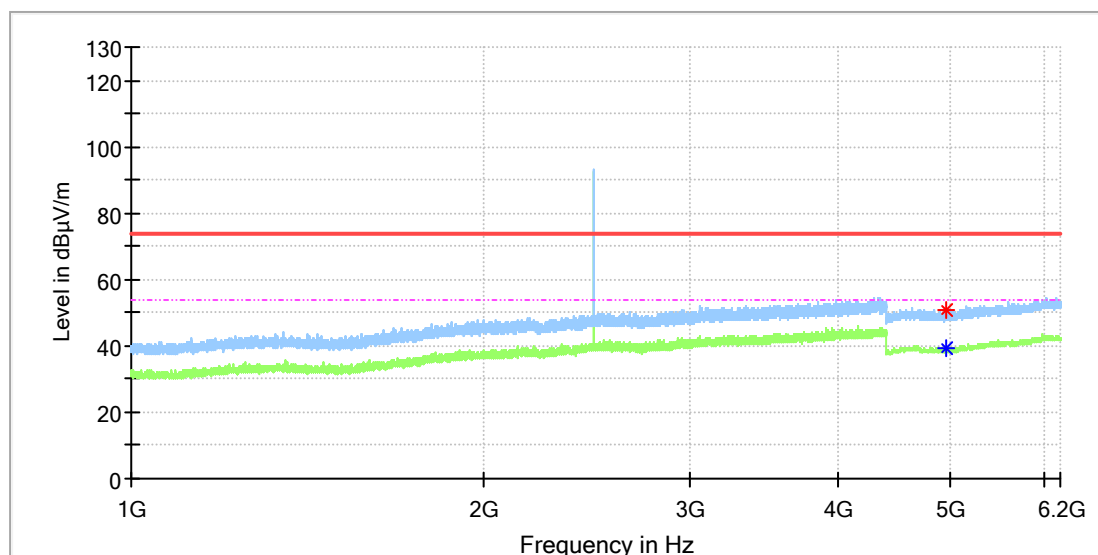


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4899.500000	---	39.27	54.00	14.73	150.0	V	315.0	11.8
4900.500000	50.40	---	74.00	23.60	150.0	V	170.0	11.8

EUT Information

EUT Name:	Wireless Noise Cancellation Over-Ear Headphones
Model:	EDF200126
Test Mode:	BR_DH5_High channel
Order No/Sample No:	168429638/A003502949-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

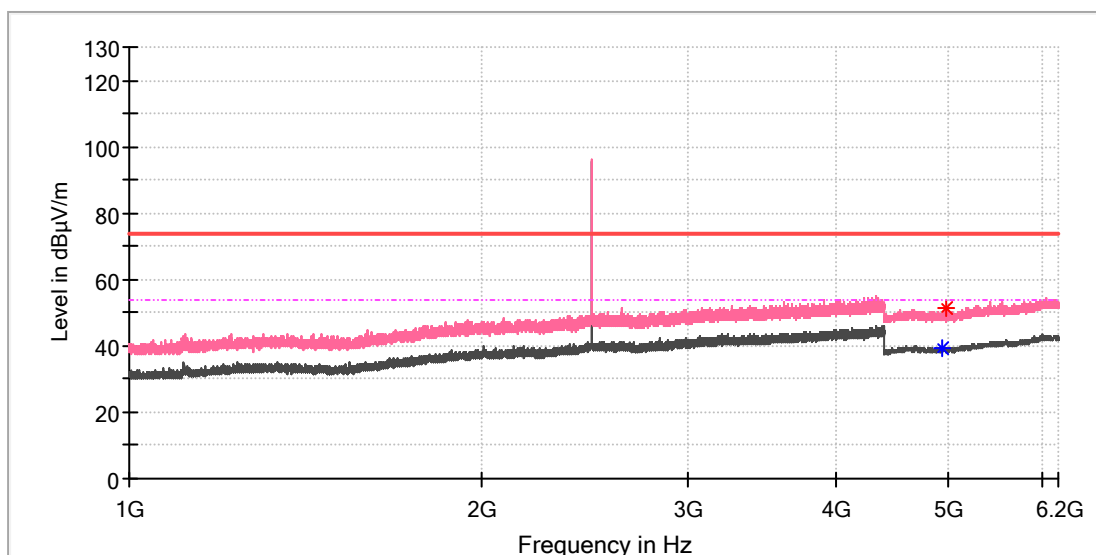


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4956.000000	---	39.20	54.00	14.80	150.0	H	274.0	11.8
4962.500000	50.75	---	74.00	23.25	150.0	H	305.0	11.8

EUT Information

EUT Name:	Wireless Noise Cancellation Over-Ear Headphones
Model:	EDF200126
Test Mode:	BR_DH5_High channel
Order No/Sample No:	168429638/A003502949-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

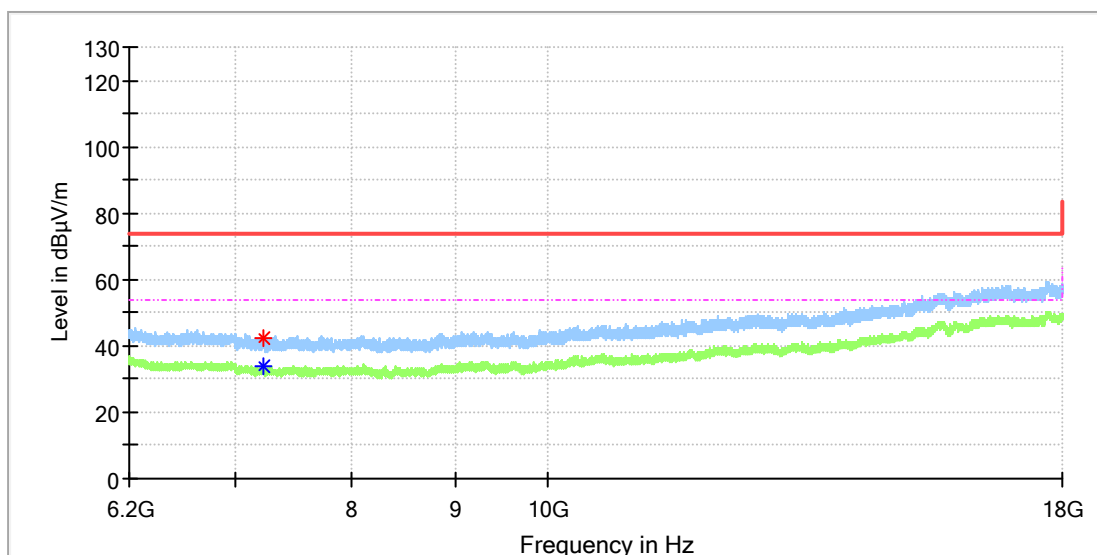


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4944.000000	---	39.05	54.00	14.95	150.0	V	250.0	11.8
4966.000000	51.35	---	74.00	22.65	150.0	V	122.0	11.8

EUT Information

EUT Name:	Wireless Noise Cancellation Over-Ear Headphones
Model:	EDF200126
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168429638/A003502949-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

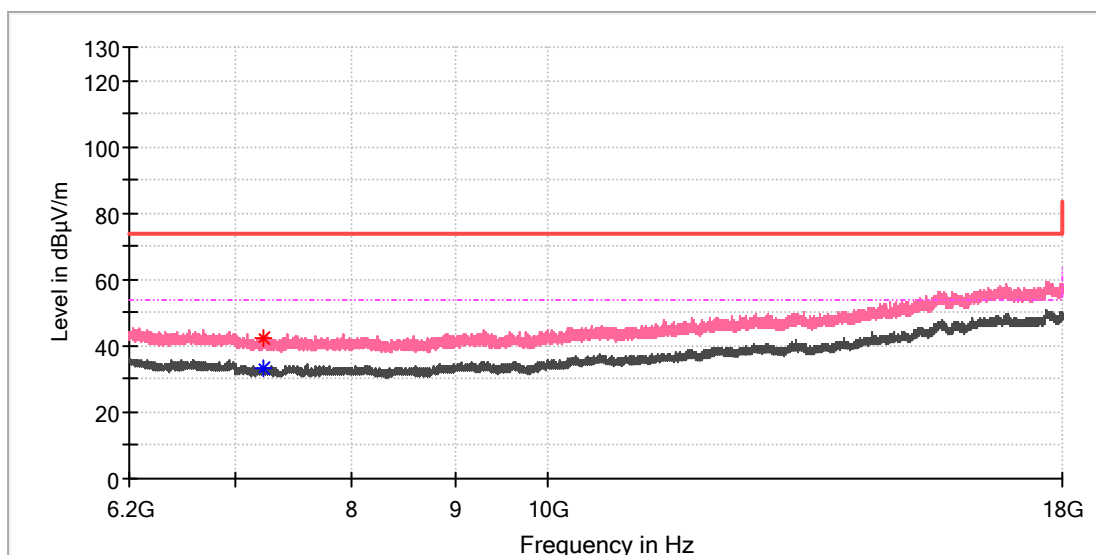


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7225.616667	42.11	---	74.00	31.89	150.0	H	171.0	8.7
7228.075000	---	33.64	54.00	20.36	150.0	H	0.0	8.7

EUT Information

EUT Name:	Wireless Noise Cancellation Over-Ear Headphones
Model:	EDF200126
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168429638/A003502949-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

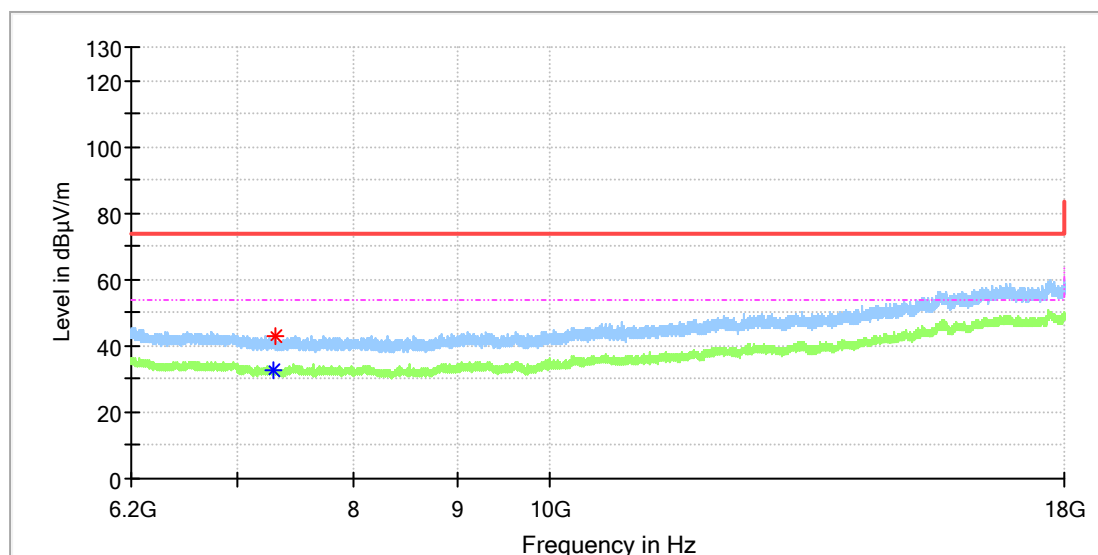


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7219.225000	42.32	---	74.00	31.68	150.0	V	63.0	8.7
7219.225000	---	33.52	54.00	20.48	150.0	V	63.0	8.7

EUT Information

EUT Name:	Wireless Noise Cancellation Over-Ear Headphones
Model:	EDF200126
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168429638/A003502949-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

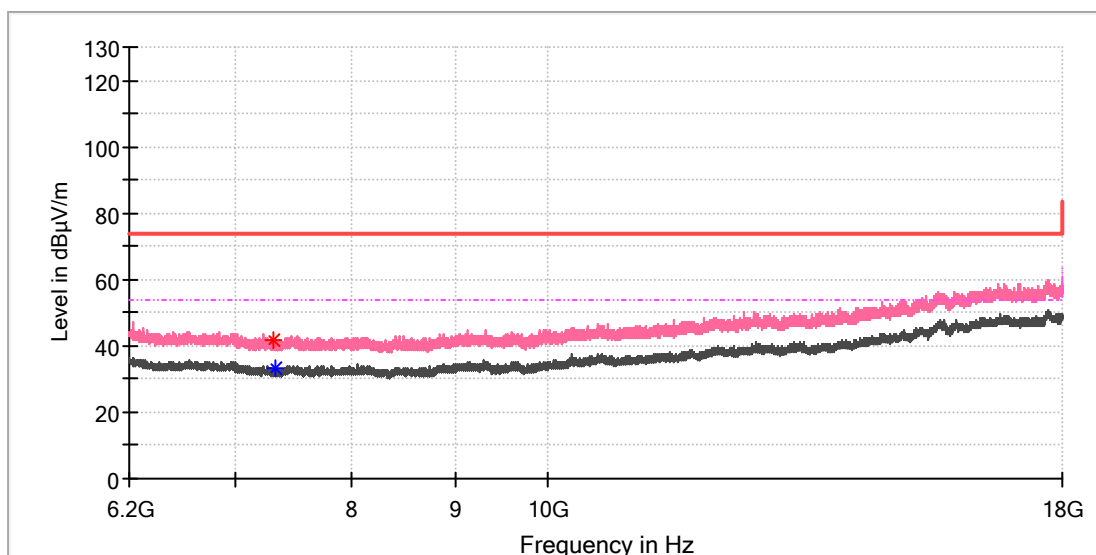


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7301.333333	---	32.92	54.00	21.08	150.0	H	0.0	8.3
7304.283333	42.88	---	74.00	31.12	150.0	H	187.0	8.3

EUT Information

EUT Name:	Wireless Noise Cancellation Over-Ear Headphones
Model:	EDF200126
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168429638/A003502949-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

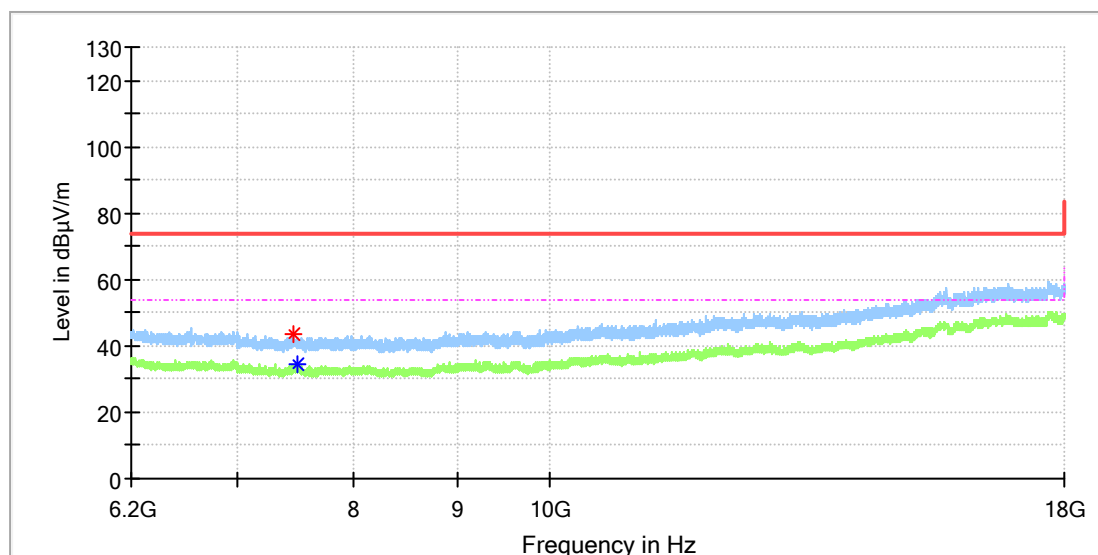


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7310.183333	41.82	---	74.00	32.18	150.0	V	19.0	8.2
7326.900000	---	33.37	54.00	20.63	150.0	V	261.0	8.1

EUT Information

EUT Name:	Wireless Noise Cancellation Over-Ear Headphones
Model:	EDF200126
Test Mode:	BR_DH5_High channel
Order No/Sample No:	168429638/A003502949-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

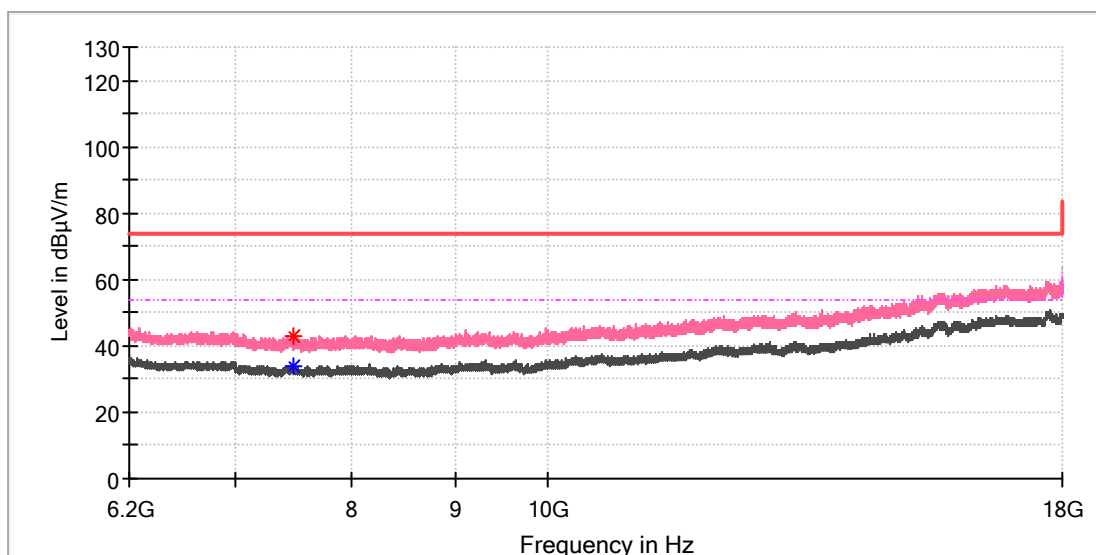


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7469.483333	43.73	---	74.00	30.27	150.0	H	165.0	8.6
7498.491667	---	34.74	54.00	19.26	150.0	H	239.0	8.7

EUT Information

EUT Name:	Wireless Noise Cancellation Over-Ear Headphones
Model:	EDF200126
Test Mode:	BR_DH5_High channel
Order No/Sample No:	168429638/A003502949-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



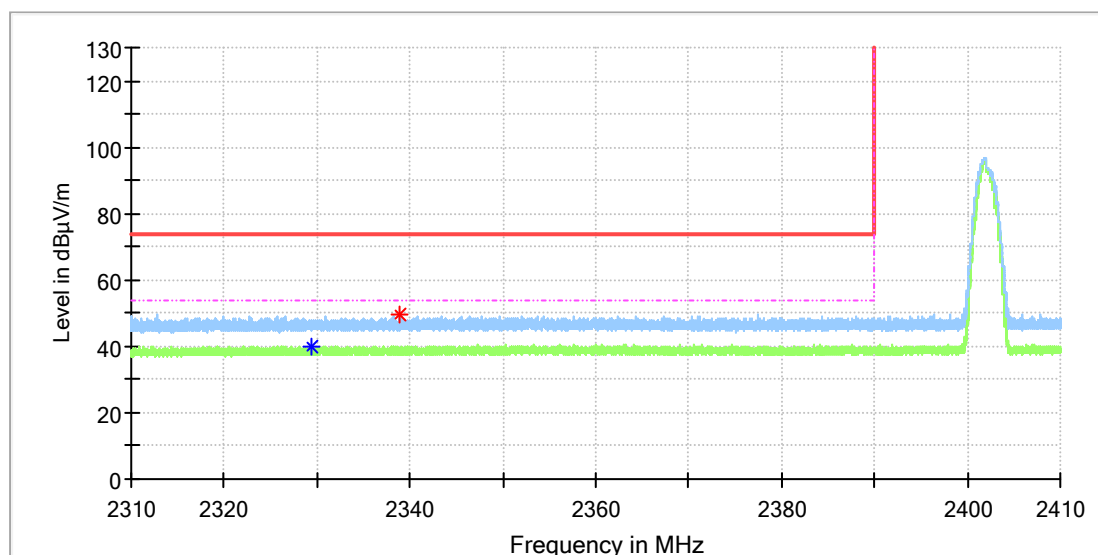
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7474.400000	---	33.78	54.00	20.22	150.0	V	168.0	8.6
7485.216667	42.95	---	74.00	31.05	150.0	V	192.0	8.7

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

EUT Information

EUT Name:	Wireless Noise Cancellation Over-Ear Headphones
Model:	EDF200126
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168429638/A003502949-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

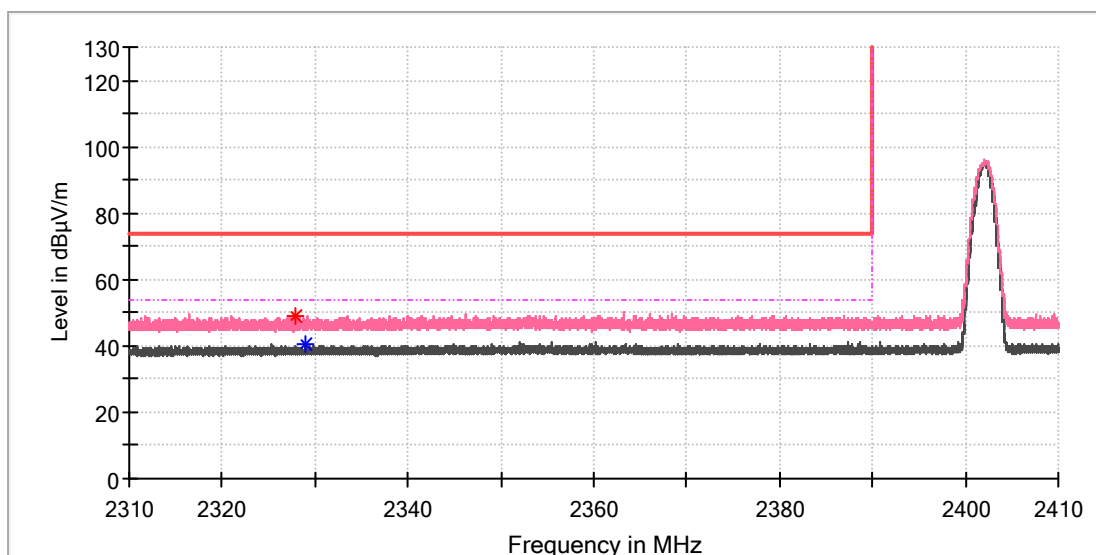


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2329.300000	---	39.84	54.00	14.16	150.0	H	0.0	6.7
2338.920000	49.30	---	74.00	24.70	150.0	H	288.0	6.8

EUT Information

EUT Name:	Wireless Noise Cancellation Over-Ear Headphones
Model:	EDF200126
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168429638/A003502949-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

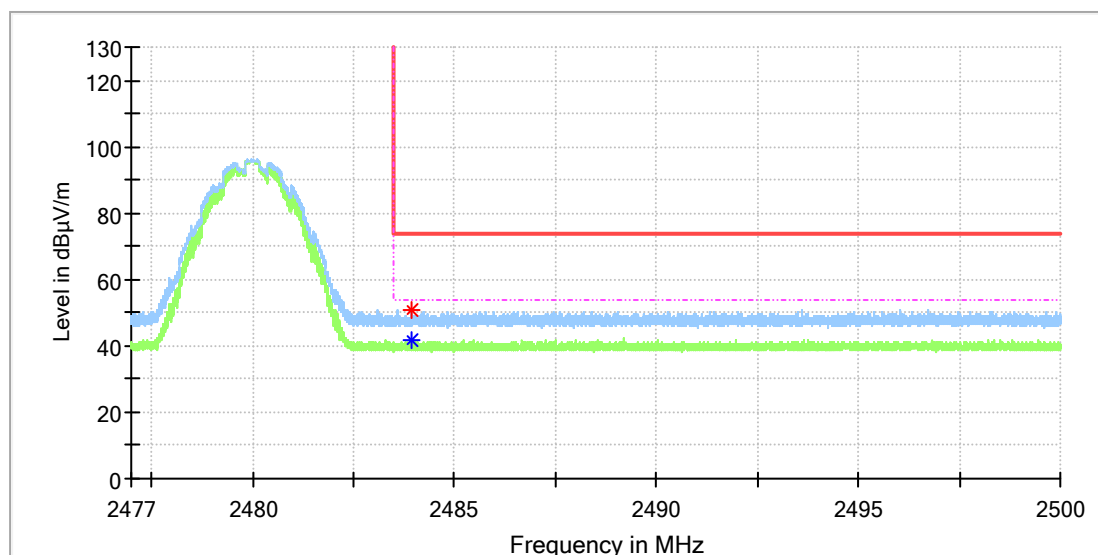


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2327.935000	49.26	---	74.00	24.74	150.0	V	177.0	6.7
2329.000000	---	40.46	54.00	13.54	150.0	V	41.0	6.7

EUT Information

EUT Name:	Wireless Noise Cancellation Over-Ear Headphones
Model:	EDF200126
Test Mode:	BR_DH5_High channel
Order No/Sample No:	168429638/A003502949-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

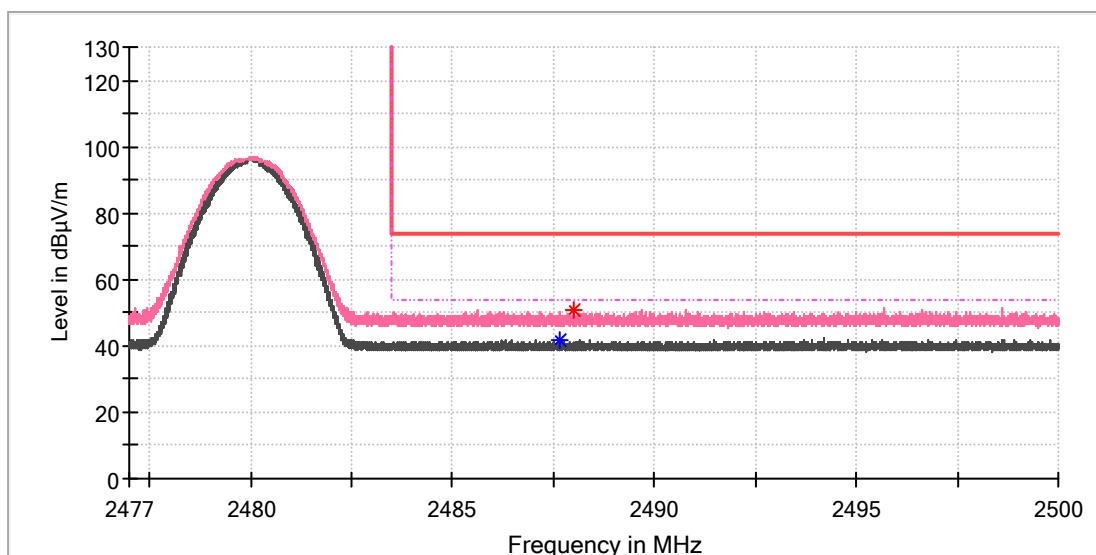


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.952900	---	41.68	54.00	12.32	150.0	H	13.0	7.4
2483.954050	50.70	---	74.00	23.30	150.0	H	244.0	7.4

EUT Information

EUT Name:	Wireless Noise Cancellation Over-Ear Headphones
Model:	EDF200126
Test Mode:	BR_DH5_High channel
Order No/Sample No:	168429638/A003502949-001
Test Voltage::	Battery
Remark:	Temp 22 Humi:55%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2487.632900	---	41.57	54.00	12.43	150.0	V	225.0	7.4
2487.985950	50.82	---	74.00	23.18	150.0	V	26.0	7.4