

Prüfbericht-Nr.: Test report no.:	CN266AWM 001	Auftrags-Nr.: Order no.:	27239478	Page 1 of 25 Seite 1 von 25	
Kunden-Referenz-Nr.: Client reference no.:	N/A	Auftragsdatum: Order date:	2026-06-08		
Auftraggeber: Client:	Harman International Industries, Inc 8500 Balboa Blvd, Northridge, CA 91325, USA				
Prüfgegenstand: Test item:	PORTABLE BLUETOOTH SPEAKER				
Bezeichnung / Typ-Nr.: Identification / Type no.:	GO5H, GO5 (Trademark: JBL)				
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 4 July 24, 2025 RSS-Gen Issue 5 February 2021				
Wareneingangsdatum: Date of sample receipt:	2026-06-03	Refer to photos document			
Prüfmuster-Nr.: Test sample no.:	A004296553, A004296719				
Prüfzeitraum: Testing period:	2026-06-04 – 2026-06-29				
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:	2026-07-07 Signed by: Harry W. C. Wu		Ausstellungsdatum: Issue date:	2026-07-07 Signed by: Alex Lan	
Stellung / Position:	Project Manager		Stellung / Position:	Authorizer	
Sonstiges / Other:	FCC ID: APIJBLGO5H IC: 6132A-JBLGO5H HVIN: GO5H, GO5				
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. 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.					

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Remarks
Anmerkungen

1	The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request. <i>Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben.</i> <i>Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden.</i>
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3	Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report. Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report. <i>Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben. Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt.</i>
4	The decision rule for statements of conformity, based on numerical measurement results, in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2021, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019. <i>Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnissen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2021, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. Zu weiteren Informationen bezüglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019.</i>

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Test Summary

5.1.1 ANTENNA REQUIREMENT

RESULT: Pass

5.1.2 MAXIMUM CONDUCTED OUTPUT POWER

RESULT: Pass

5.1.3 99% BANDWIDTH

RESULT: Pass

5.1.4 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 KHz BANDWIDTH

RESULT: Pass

5.1.5 RADIATED SPURIOUS EMISSION

RESULT: Pass

5.1.6 20dB BANDWIDTH

RESULT: Pass

5.1.7 CARRIER FREQUENCY SEPARATION

RESULT: Pass

5.1.8 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
Test Software	Tonscend	JS1120-3	N/A	N/A
Control PC	Lenovo	TianYi510S-071MB	Y LX23JMF	N/A
Humid & Temp Programmable Tester	BOST	NTH090-60	19040801	01.02.2027
Unwanted Emission Testing				
Equipment	Manufacturer	Model	Serial No.	Cal. until
EMI Test Receiver	R&S	ESR 7	102021	21.09.2026
Signal Analyzer	R&S	FSV 40	101439	21.09.2026
System Controller Interface	R&S	SCI-100	S10010038	N/A
Filterbank	R&S	Wlan	100759	21.09.2026
OSP	R&S	OSP 120	102040	N/A
Pre-amplifier	R&S	SCU08F1	08320031	21.09.2026
Amplifier	R&S	SCU-18F	180070	21.09.2026
Amplifier	R&S	SCU40A	100475	21.09.2026
Trilog Broadband Antenna (30 MHz - 7 GHz)	Schwarzbeck	VULB 9162	193	27.09.2026
Double-Ridged Antenna (1 -18 GHz)	ETS-LINDGREN	3117	00218717	27.09.2026
Wideband Ridged Horn Antenna (18-40 GHz)	Steatite	QMS-00880	19067	27.09.2026
Active Loop Antenna	Schwarzbeck	FMZB 1513	302	27.09.2026
Test software	R&S	EMC32 (V10.60.10)	N/A	N/A
Control PC	Dell	OptiPlex 7050	36NV9P2	N/A
3m Semi-Anechoic Chamber	Albatross	SAC-3m	APC17151-SAC	13.09.2027
Conduct Emissions Testing				
Equipment	Manufacturer	Model	Serial No.	Cal. until
EMI Test Receiver	R&S	ESR3	102680	2027-02-03
Artificial Mains Network	R&S	ENV216	102333	2026-07-18
Artificial Mains Network	R&S	ENV216	101445	2027-02-03
EMC32 Test Software	R&S	EMC32(Ver.10.60.20)	N/A	N/A

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2.3 Traceability

All measurement equipment calibrations are traceable to NIM (National Institute of Metrology) or where calibration is performed in other countries, to equivalent nationally recognized standards organizations.

2.4 Calibration

Equipment requiring calibration is calibrated periodically by the manufacturer or according to manufacturer's specifications. Additionally all equipment is verified for proper performance on a regular basis using in house standards or comparisons.

2.5 Measurement Uncertainty

The estimated combined standard uncertainty for radiated emissions and conducted emissions measurements as below table

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

2.6 Location of Original Data

The original copies of all test data taken during actual testing were attached at Appendix A & B 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 EUT is a Bluetooth Speaker, and it supports Bluetooth dual mode technology. This speaker has different color of enclosure.

Two models are identical except the model number different.

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	PORTABLE BLUETOOTH SPEAKER
Type Designation	GO5H, GO5
Trademark	JBL
FCC ID	APIJBLGO5H
IC	6132A-JBLGO5H
HVIN	GO5H, GO5
Extreme Temperature Range	0°C to +40°C
Operating Voltage	DC 5V, 1A via external AC/DC Adapter Or DC 3,85V, 1000mA hvia built-in Li-ion battery
Technical Specification of Classical Bluetooth	
Operating Frequency band	2402 ~ 2480 MHz
Channel Number	79 channels
Channel separation	1MHz
Modulation	GFSK, $\pi/4$ DQPSK, 8DPSK
Antenna Type	Integral antenna
Antenna Gain	2.4 dBi (Provided by the Client)
Technical Specification of Bluetooth Low Energy	
Operating Frequency band	2402 – 2480 MHz for data rate 1Mbps 2404 – 2478 MHz for data rate 2Mbps
Channel Number	40 channels for data rate 1Mbps 38 channels for data rate 2Mbps
Channel separation	2MHz
Data rate	1Mbps, 2Mbps
Modulation	GFSK
Antenna Type	Integral antenna
Antenna Gain	2.4 dBi (Provided by the Client)

Table 3: RF Channel and Frequency of Classic Bluetooth

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

Table 4: RF Channel and Frequency of Bluetooth Low Energy

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

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3.3 Independent Operation Modes

The basic operation modes are:

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

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

4 Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

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

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

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5. All testing were performed according to the procedures in ANSI C63.10-2020, ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024.

According to clause 3.1, all test were applied on model GO5H.

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
Mobile phone	SAMSUNG	Galaxy Z Fold4	RFCT80V5XYF
Ipad 6	Apple	A1893	DMPYN2HZJF8K
AC/DC Adapter	Apple	A2452	Input: 100-240V, 50/60Hz, 2.0A Output: DC 5~28V, 3~5A

4.4 Countermeasures to Achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Technical Construction File (TCF).

No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

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

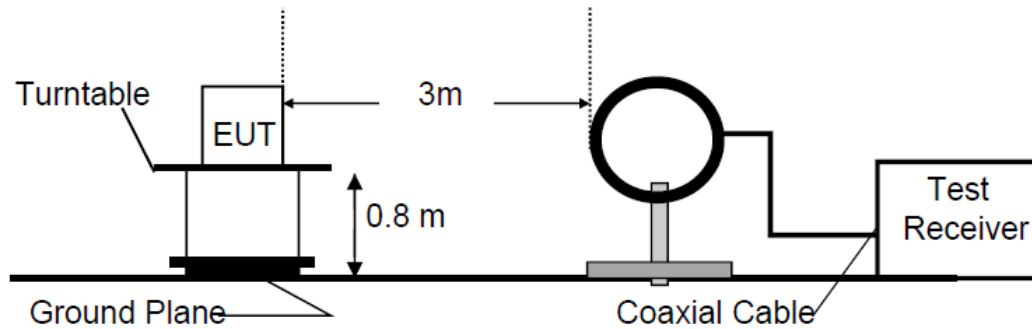


Diagram of Measurement Configuration for Radiation Test (Below 1GHz)

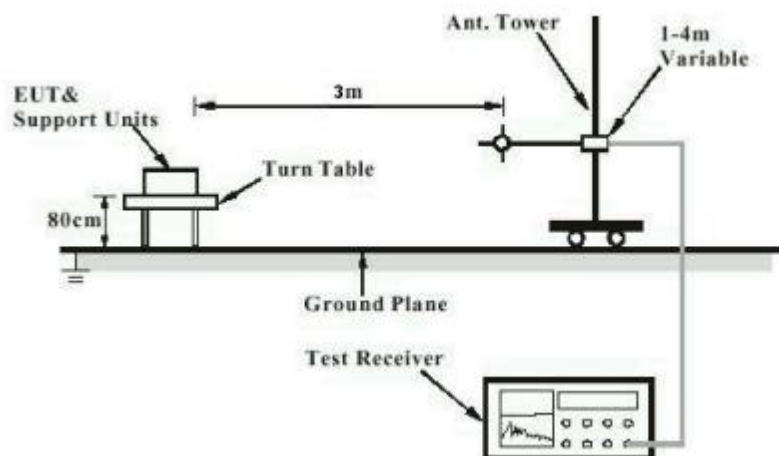


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

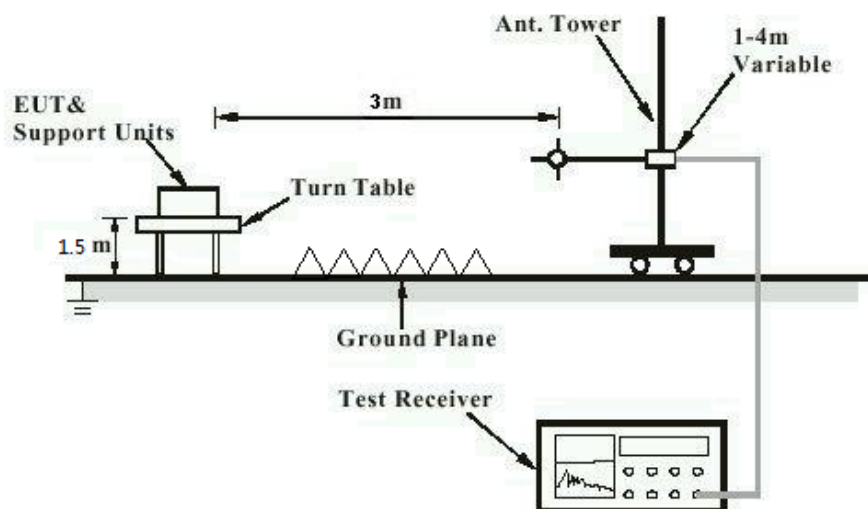


Diagram of Measurement Configuration for Conducted Transmitter Measurement

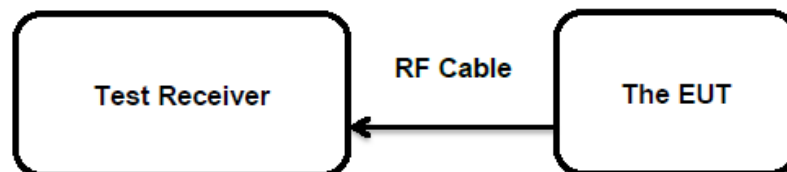
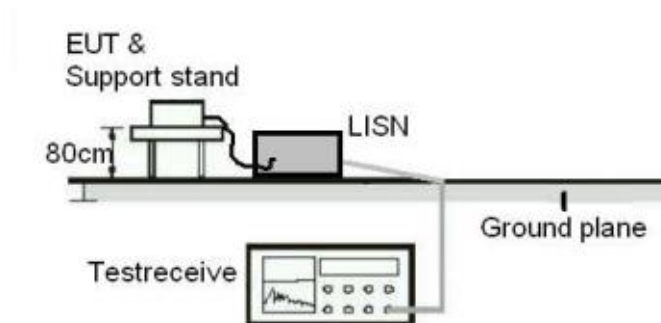


Diagram of Measurement Equipment Configuration for Mains Conduction Measurement



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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 Integral antenna , the directional gain of antennas is 2.4 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 6.2.3.2
Basic standard	ANSI C63.10-2020, ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024
Limits	FHSS<0.125W(Maximum peak conducted output power) < 4 W (e.i.r.p.)
Kind of test site	Shielded Room

Test Setup

Date of testing	2026-06-04 to 2026-06-29
Input voltage	DC 3.85V
Operation mode	A.1
Test channel	Low / Middle / High
Ambient temperature	25.1 °C
Relative humidity	52 %
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	8.72	0.00745	< 0.125
	2441	8.61	0.00726	
	2480	8.41	0.00693	
EDR	2402	8.70	0.00741	
	2441	8.55	0.00716	
	2480	8.37	0.00687	
Maximum Measured Value		8.72	0.00745	

Note: The cable loss is taken into account in results and the maximum e.i.r.p. is 11.12dBm less than 4W(36dBm).

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5.1.3 99% Bandwidth

RESULT:
Pass
Test Specification

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

Test Setup

Date of testing : 2026-06-04 to 2026-06-29
Input voltage : DC 3.85V
Operation mode : A.1
Test channel : Low / Middle / High
Ambient temperature : 25.1 °C
Relative humidity : 52 %
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	0.87812	/
	2441	0.87812	
	2480	0.87213	
EDR	2402	1.1449	/
	2441	1.1449	
	2480	1.1479	

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

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5.1.4 Conducted Spurious Emissions Measured in 100 kHz Bandwidth

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

Test standard	: FCC Part 15.247(d) RSS-247 Clause 6.6
Basic standard	: ANSI C63.10-2020, ANSI C63.10-2020+Cor. 1- 2023+C63.10a-2024
Limits	: 20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power);
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2026-06-04 to 2026-06-29
Input voltage	: DC 3.85V
Operation mode	: A.1
Test channel	: Low / Middle / High
Ambient temperature	: 25.1 °C
Relative humidity	: 52 %
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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5.1.5 Radiated Spurious Emission

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

Test standard	: FCC Part 15.247(d) & FCC Part 15.205 RSS-247 Clause 2.4
Basic standard	: ANSI C63.10-2020, ANSI C63.10-2020+Cor. 1- 2023+C63.10a-2024
Limits	: Refer to 15.209(a) of FCC part 15.247(d) RSS-Gen Table 6 & Table 7
Kind of test site	: 3m Semi-anechoic Chamber

Test Setup

Date of testing	: 2026-06-04 to 2026-06-29
Input voltage	: DC 3.85V
Operation mode	: A.1
Test channel	: Low / Middle / High
Ambient temperature	: Refer to test result
Relative humidity	: Refer to test result
Atmospheric pressure	: 101 kPa

Remark:

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

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

For the measurement records, refer to the appendix B

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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 6.2.3.1

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

Kind of test site : Shielded Room

Test Setup

Date of testing : 2026-06-04 to 2026-06-29

Input voltage : DC 3.85V

Operation mode : A.1

Test channel : Low / Middle / High

Ambient temperature : 25.1 °C

Relative humidity : 52 %

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 (MHz)	2/3 of 20dB Bandwidth (MHz)	Limit (MHz)
BR	2402	0.89	0.593	/
	2441	0.89	0.593	
	2480	0.89	0.593	
EDR	2402	1.19	0.793	/
	2441	1.19	0.793	
	2480	1.19	0.793	

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5.1.7 Carrier Frequency Separation

RESULT:
Pass
Test Specification

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

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

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

Kind of test site : Shielded Room

Test Setup

Date of testing : 2026-06-04 to 2026-06-29

Input voltage : DC 3.85V

Operation mode : B

Test channel : Low / Middle / High

Ambient temperature : 25.1 °C

Relative humidity : 52 %

Atmospheric pressure : 101 kPa

For the measurement records, refer to the appendix B

Table 9: Test Result of Carrier Frequency Separation

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.835	≥ 0.593	PASS
3DH5	Ant1	Hop	1.003	≥ 0.793	PASS

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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	: 2026-06-04 to 2026-06-29
Input voltage	: DC 3.85V
Operation mode	: B
Ambient temperature	: 25.1 °C
Relative humidity	: 52 %
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 6.2.3.1

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

Limits : ≥ 15 non-overlapping channels

Kind of test site : Shielded Room

Test Setup

Date of testing : 2026-06-04 to 2026-06-29

Input voltage : DC 3.85V

Operation mode : B

Ambient temperature : 25.1 °C

Relative humidity : 52 %

Atmospheric pressure : 101 kPa

For the measurement records, refer to the appendix B.

Table 10: Test Result of Number of Hopping Frequency

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

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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 6.2.3.1
Basic standard	: ANSI C63.10-2020, ANSI C63.10-2020+Cor. 1- 2023+C63.10a-2024
Limits	: < 0.4s
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2026-06-04 to 2026-06-29
Input voltage	: DC 3.85V
Operation mode	: B
Test channel	: Low / Middle / High
Ambient temperature	: 25.1 °C
Relative humidity	: 52 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix B .

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Test report no.:

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5.1.11 Conducted Emission on AC Mains

RESULT:

Pass

Test Specification

Test standard : FCC Part 15.207(a)
RSS-Gen Clause 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 : 2026-06-04 to 2026-06-29
Input voltage : AC 120V, 60Hz
Operation mode : B
Earthing : Not connected
Ambient temperature : 24.0 °C
Relative humidity : 49.3 %
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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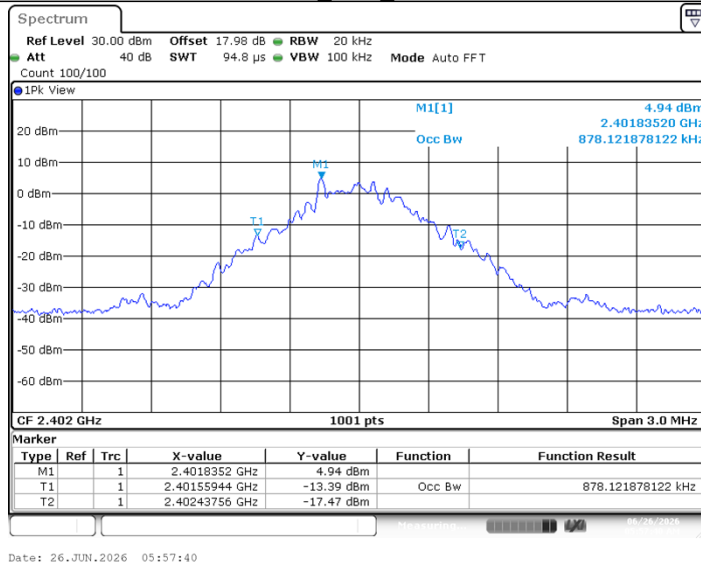
Appendix B: Test Results of Classic Bluetooth, left earbud

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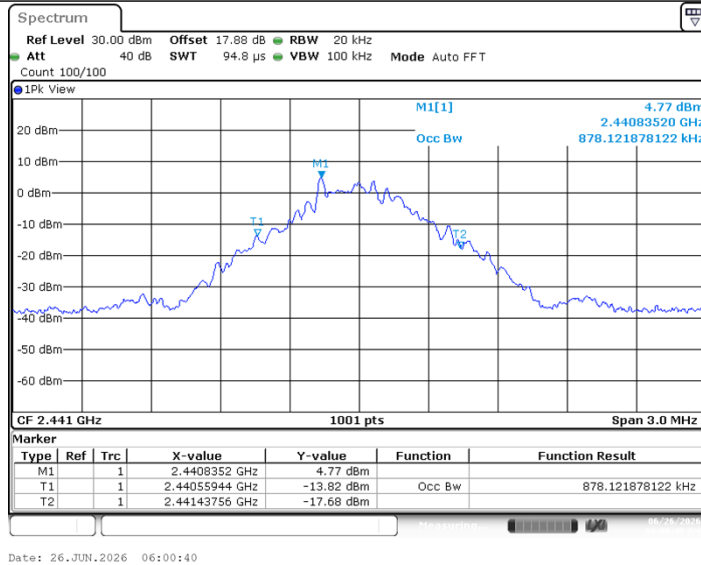
Appendix B.1: Test Results of 99% Bandwidth

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87812	2401.5594	2402.4376	---	---
		2441	0.87812	2440.5594	2441.4376	---	---
		2480	0.87213	2479.5624	2480.4346	---	---
3DH5	Ant1	2402	1.1449	2401.4306	2402.5754	---	---
		2441	1.1449	2440.4306	2441.5754	---	---
		2480	1.1479	2479.4276	2480.5754	---	---

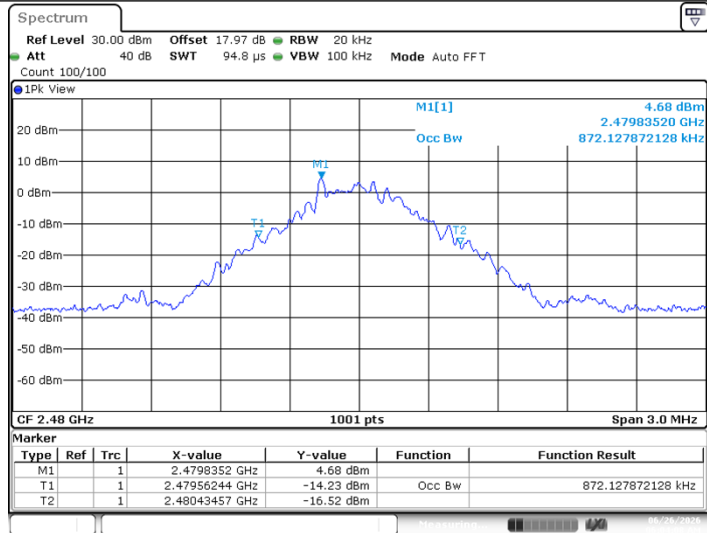
DH5_Ant1_2402



DH5_Ant1_2441

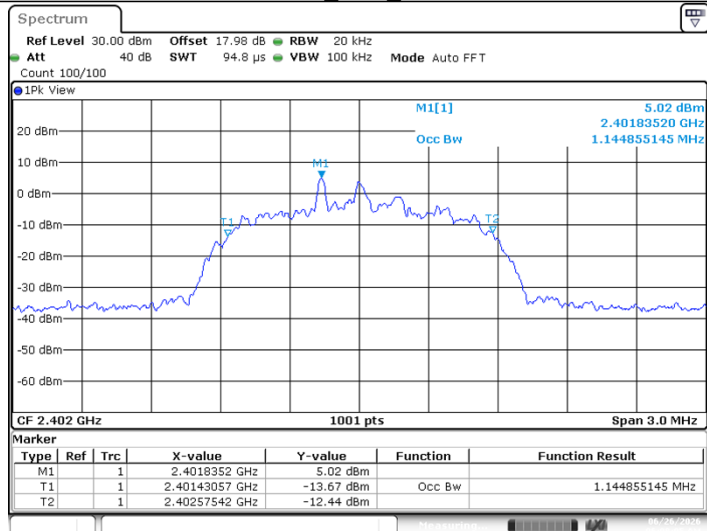


DH5_Ant1_2480



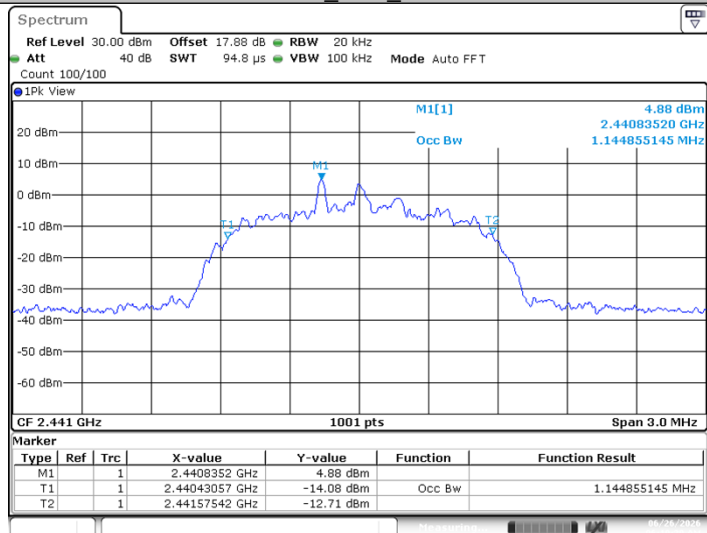
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3DH5_Ant1_2402

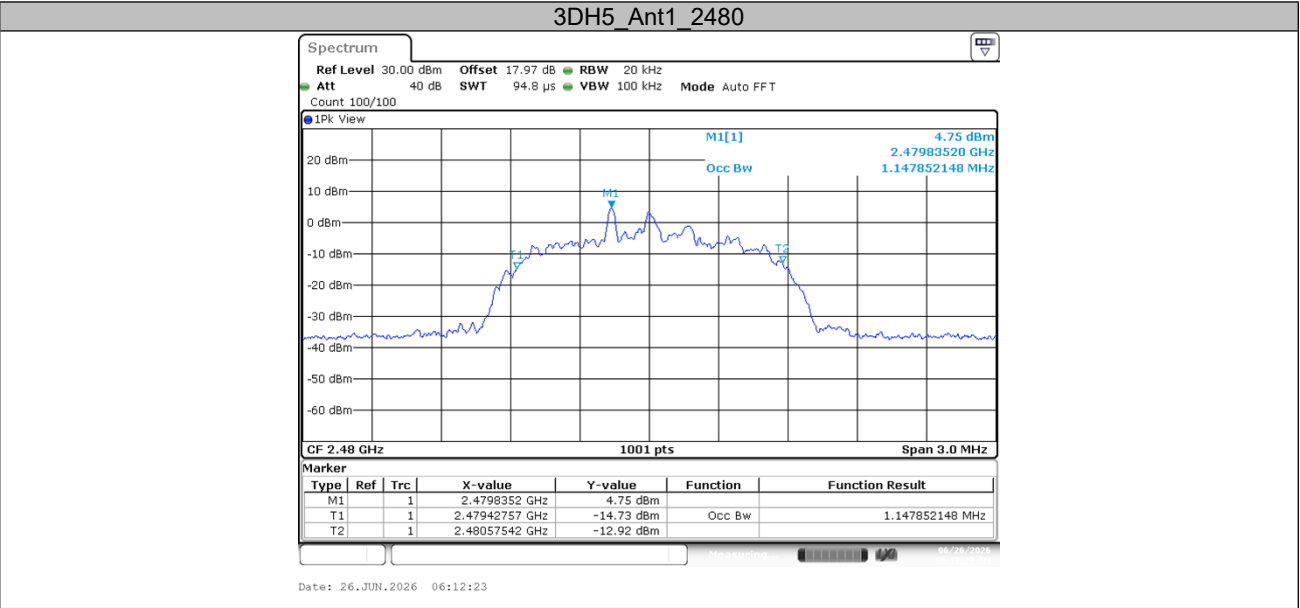


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3DH5_Ant1_2441



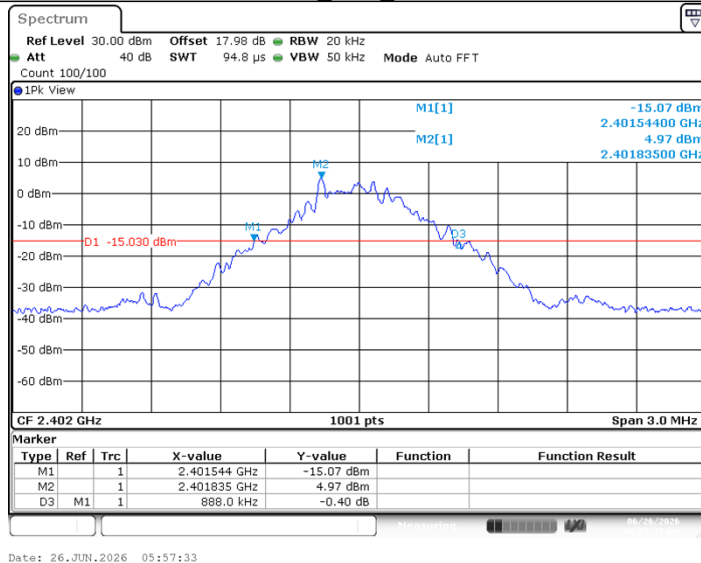
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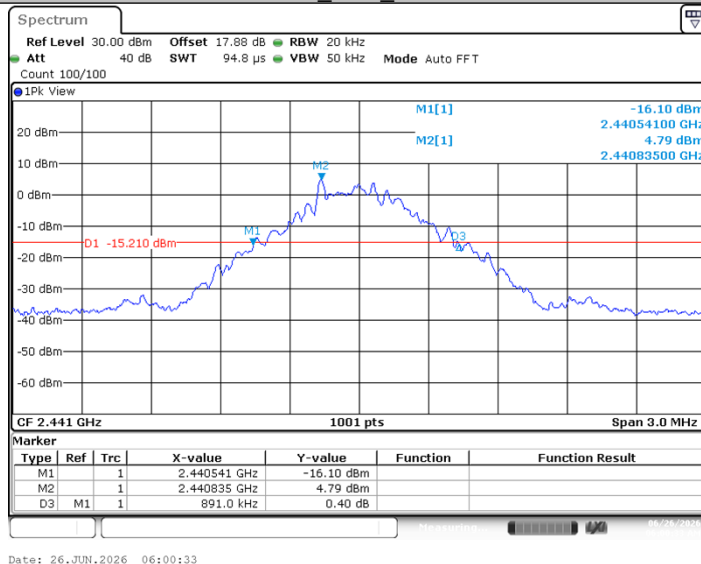
Appendix B.2: Test Results of 20dB Bandwidth

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.89	2401.54	2402.43	---	---
		2441	0.89	2440.54	2441.43	---	---
		2480	0.89	2479.54	2480.43	---	---
3DH5	Ant1	2402	1.19	2401.42	2402.61	---	---
		2441	1.19	2440.42	2441.61	---	---
		2480	1.19	2479.42	2480.61	---	---

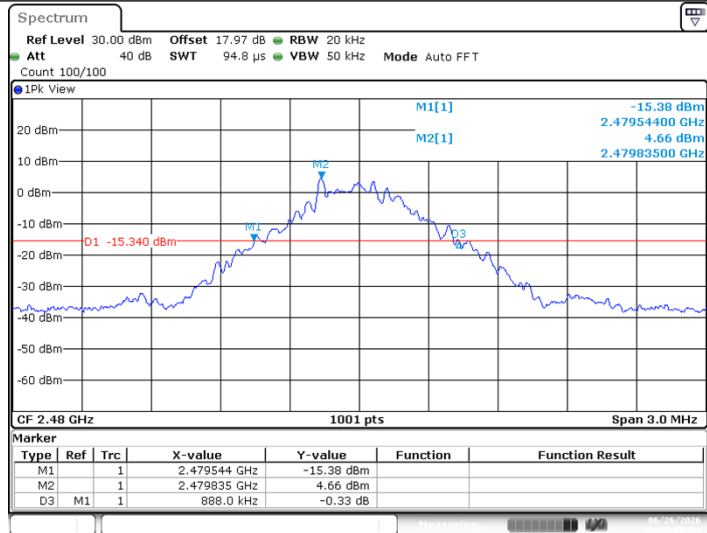
DH5_Ant1_2402



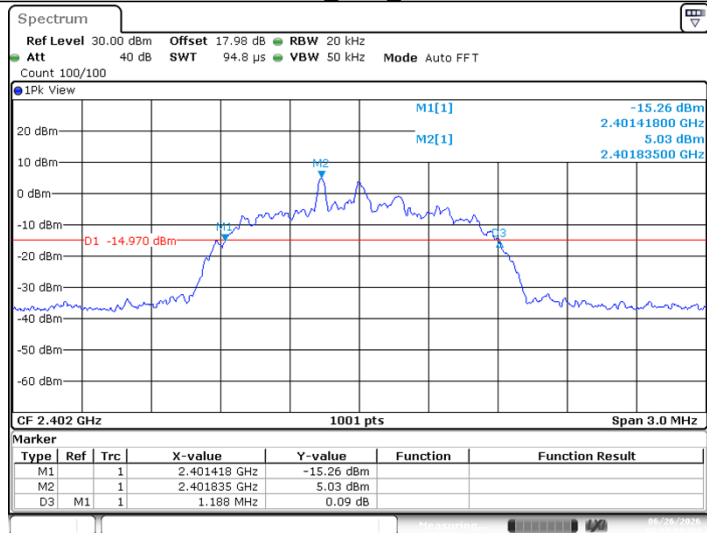
DH5_Ant1_2441



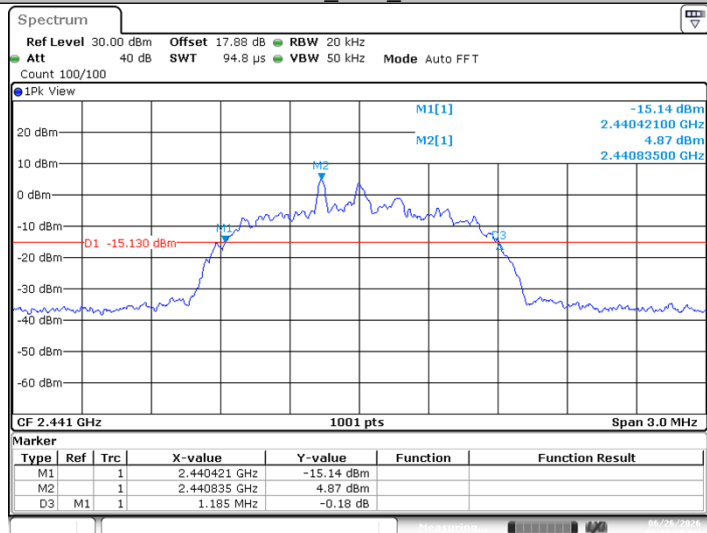
DH5_Ant1_2480



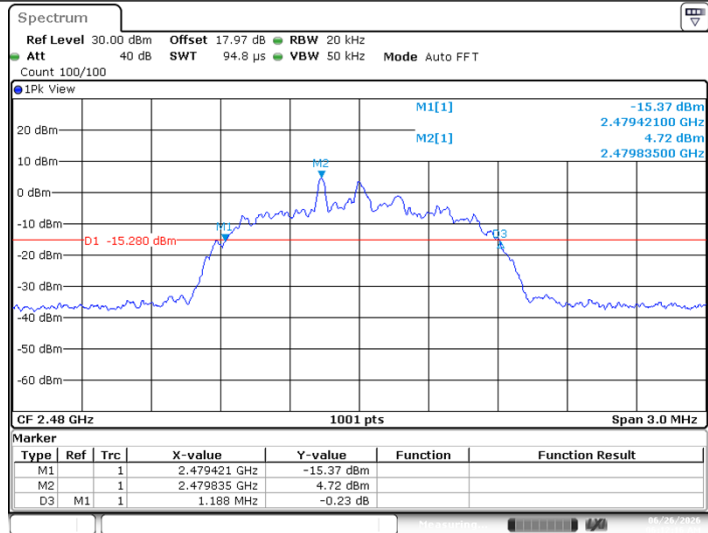
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



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 3.85V	2401.9957	-4.3	-1.79	10
DC 3.465V	2401.9962	-3.8	-1.58	
DC 4.235V	2401.9949	-5.1	-2.12	

Test result of frequency tolerance of temperature variation

Temperature (°C)	Test result (MHz)	Deviation Frequency (KHz)	Test result (ppm)	Limit (ppm)
-30	2401.9929	-7.1	-2.96	10
-20	2401.9930	-7	-2.91	
-10	2401.9931	-6.9	-2.87	
0	2401.9935	-6.5	-2.71	
10	2401.9937	-6.3	-2.62	
20	2401.9942	-5.8	-2.41	
30	2401.9946	-5.4	-2.25	
40	2401.9949	-5.1	-2.12	
50	2401.9952	-4.8	-2.00	
55	2401.9957	-4.3	-1.79	

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 3.85V	2440.9957	-4.3	-1.76	10
DC 3.465V	2440.9959	-4.1	-1.68	
DC 4.235V	2440.9950	-5	-2.05	

Test result of frequency tolerance of temperature variation

Temperature (°C)	Test result (MHz)	Deviation Frequency (KHz)	Test result (ppm)	Limit (ppm)
-30	2440.9922	-7.8	-3.20	10
-20	2440.9924	-7.6	-3.11	
-10	2440.9931	-6.9	-2.83	
0	2440.9937	-6.3	-2.58	
10	2440.9942	-5.8	-2.38	
20	2440.9945	-5.5	-2.25	
30	2440.9950	-5	-2.05	
40	2440.9952	-4.8	-1.97	
50	2440.9958	-4.2	-1.72	
55	2440.9963	-3.7	-1.52	

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

Test result of frequency tolerance of voltage variation

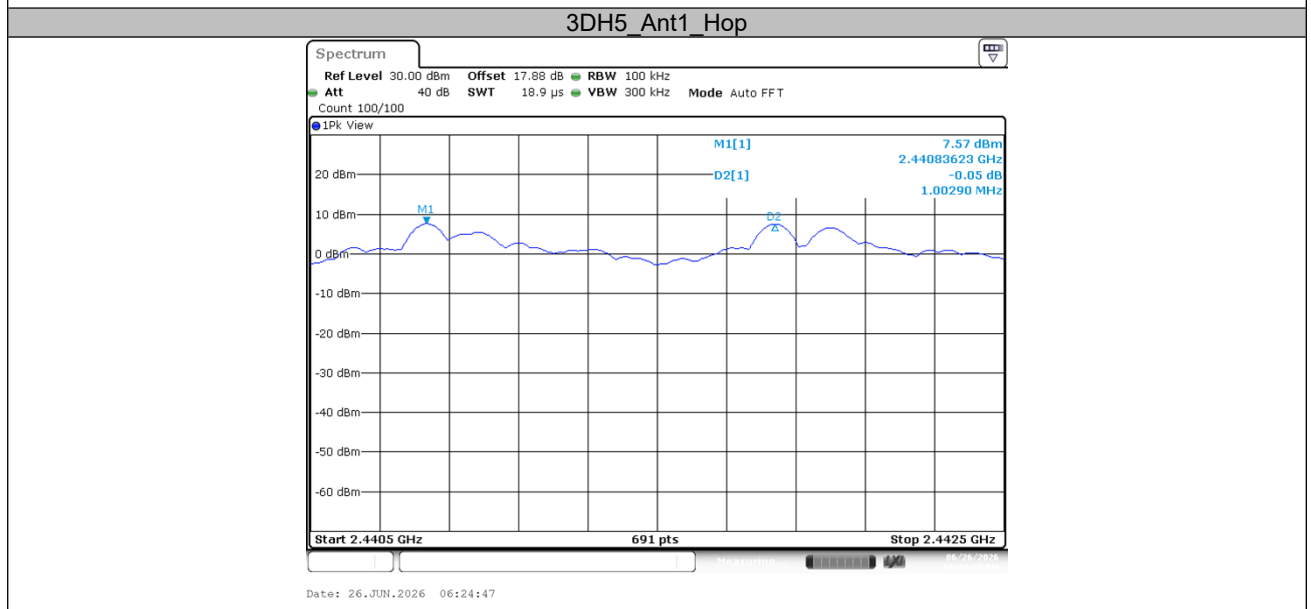
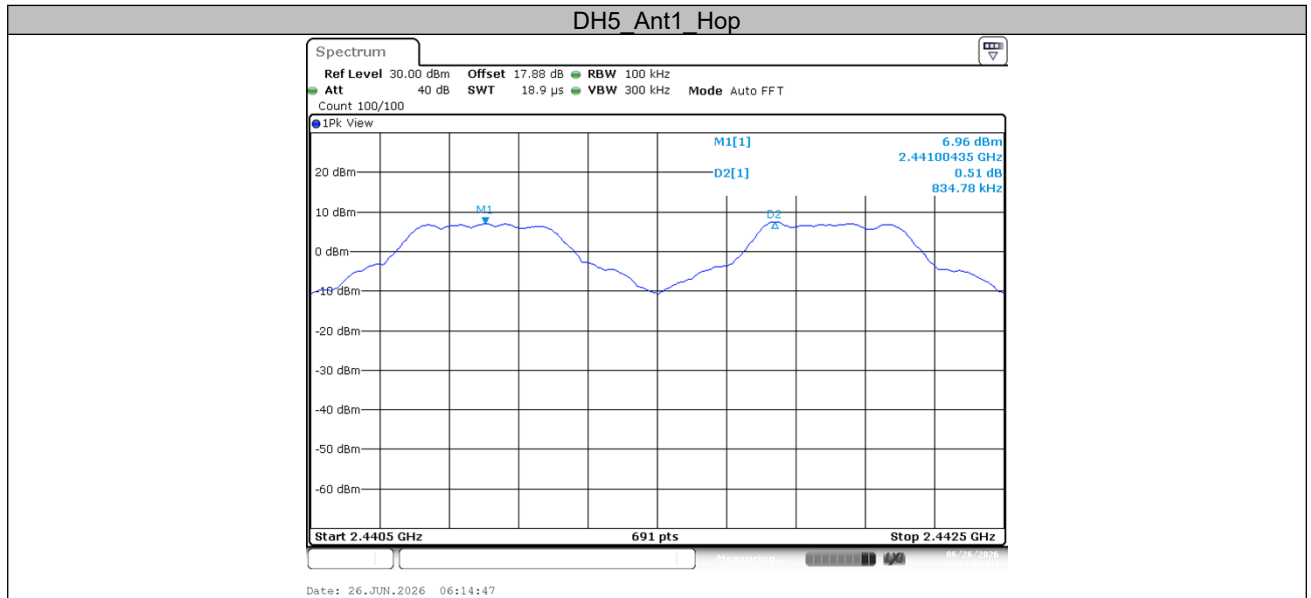
Voltage	Test result (MHz)	Deviation Frequency (KHz)	Test result (ppm)	Limit (ppm)
DC 3.85V	2479.9957	-4.3	-1.73	10
DC 3.465V	2479.9966	-3.4	-1.37	
DC 4.235V	2479.9952	-4.8	-1.94	

Test result of frequency tolerance of temperature variation

Temperature (°C)	Test result (MHz)	Deviation Frequency (KHz)	Test result (ppm)	Limit (ppm)
-30	2479.9930	-7	-2.82	10
-20	2479.9935	-6.5	-2.62	
-10	2479.9937	-6.3	-2.54	
0	2479.9943	-5.7	-2.30	
10	2479.9945	-5.5	-2.22	
20	2479.9947	-5.3	-2.14	
30	2479.9953	-4.7	-1.90	
40	2479.9958	-4.2	-1.69	
50	2479.9961	-3.9	-1.57	
55	2479.9967	-3.3	-1.33	

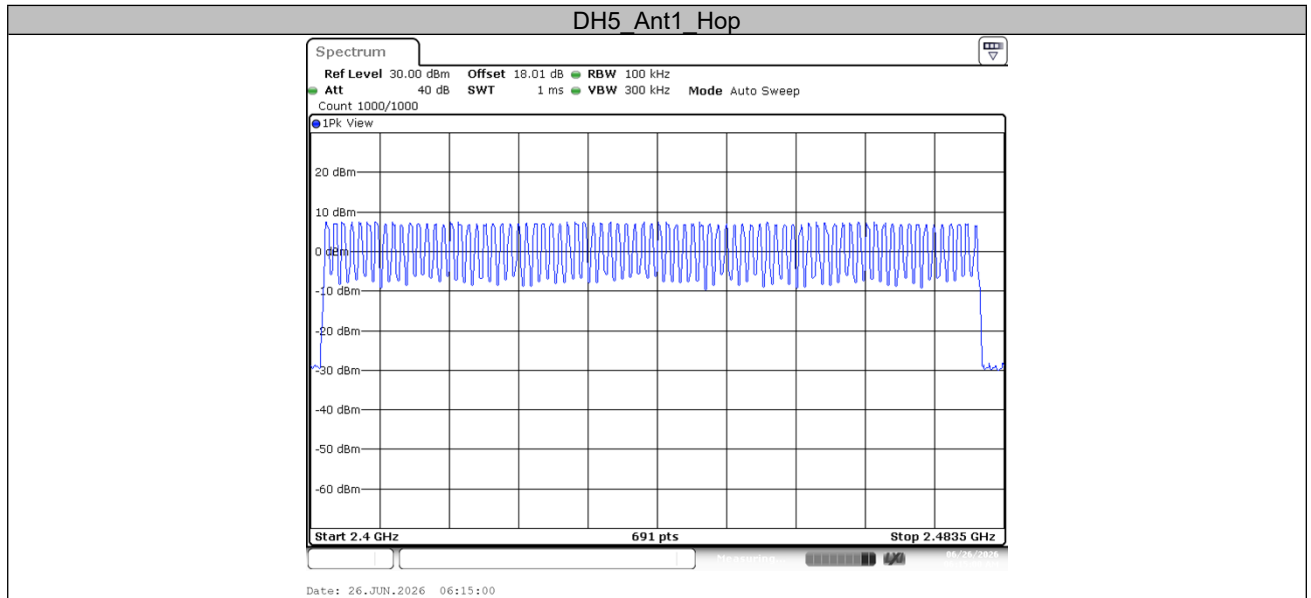
Appendix B.4: Test Results of Carrier Frequency Separation

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.835	≥0.593	PASS
3DH5	Ant1	Hop	1.003	≥0.793	PASS



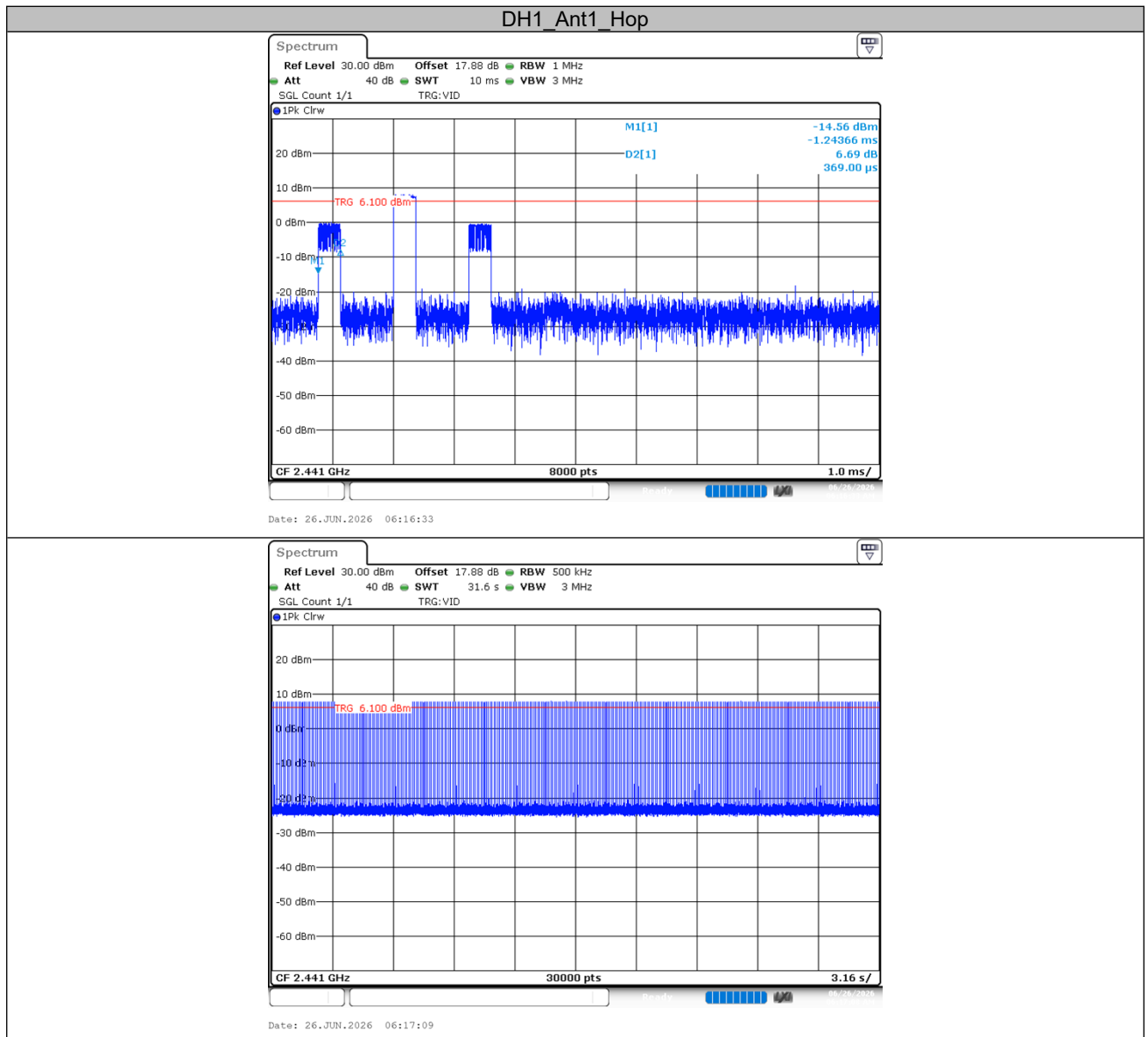
Appendix B.5: Test Results of Number of Hopping Frequency

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

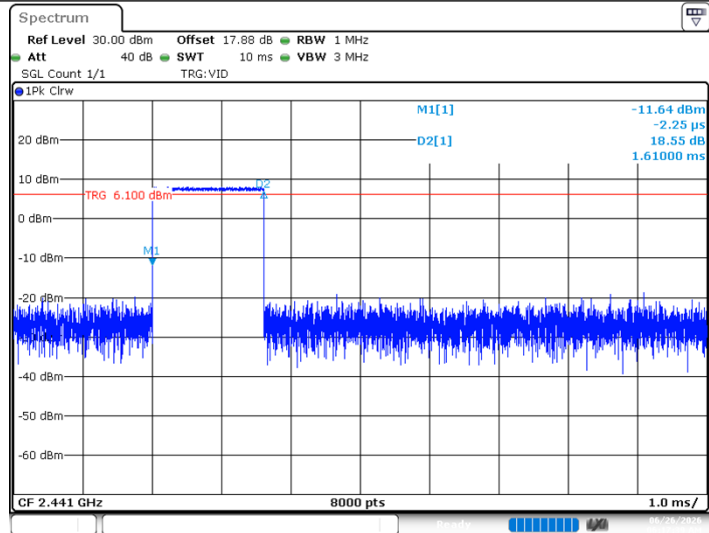


Appendix B.6: Test Results of Time of Occupancy

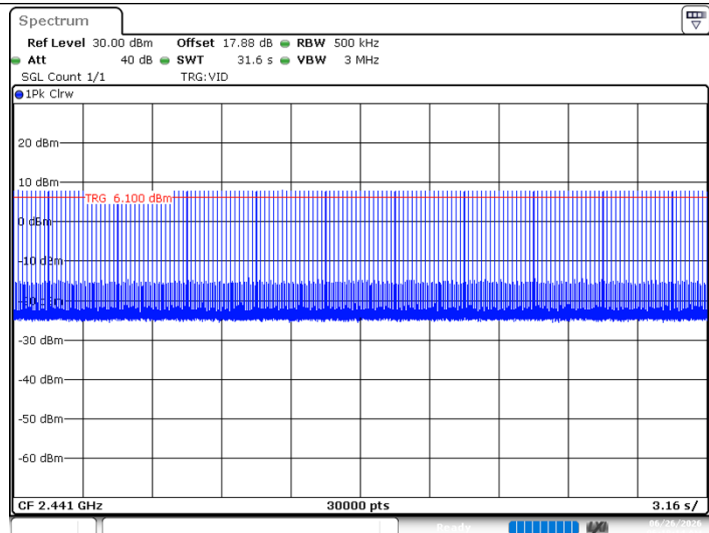
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.369	320	0.118	≤0.4	PASS
DH3	Ant1	Hop	1.610	160	0.258	≤0.4	PASS
DH5	Ant1	Hop	2.849	107	0.305	≤0.4	PASS
3DH1	Ant1	Hop	0.375	320	0.12	≤0.4	PASS
3DH3	Ant1	Hop	1.619	160	0.259	≤0.4	PASS
3DH5	Ant1	Hop	2.863	107	0.306	≤0.4	PASS



DH3_Ant1_Hop

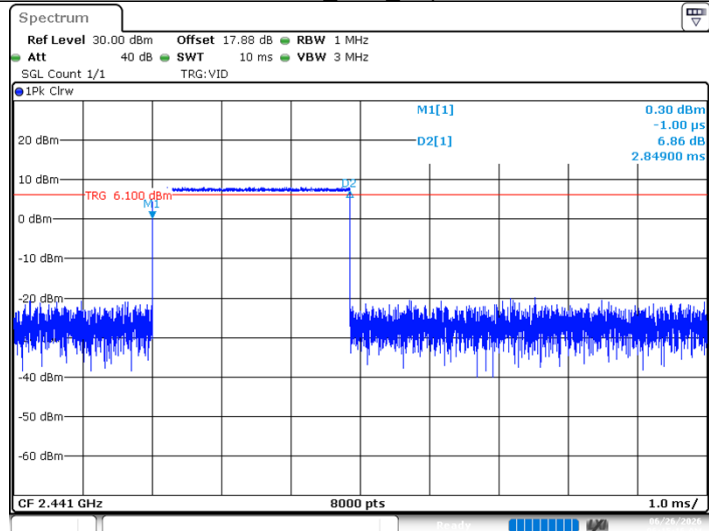


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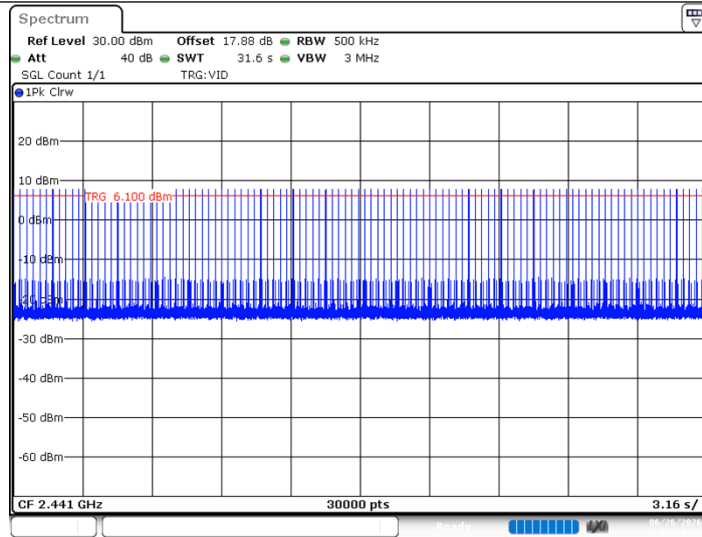


Date: 26.JUN.2026 06:18:15

DH5_Ant1_Hop

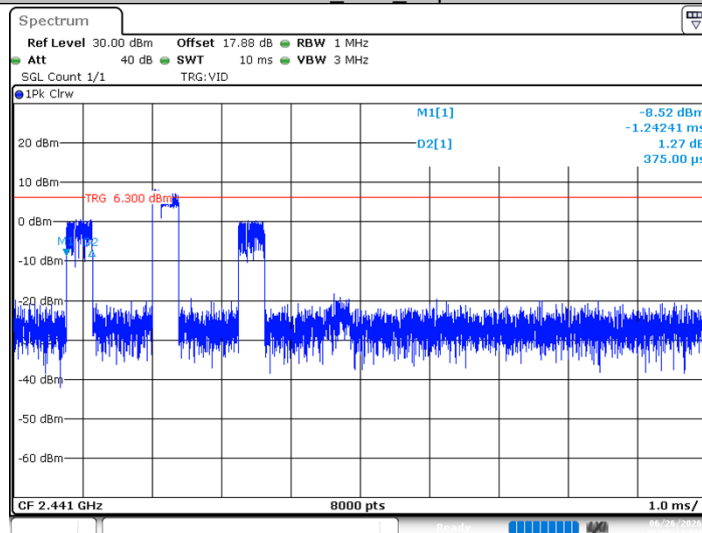


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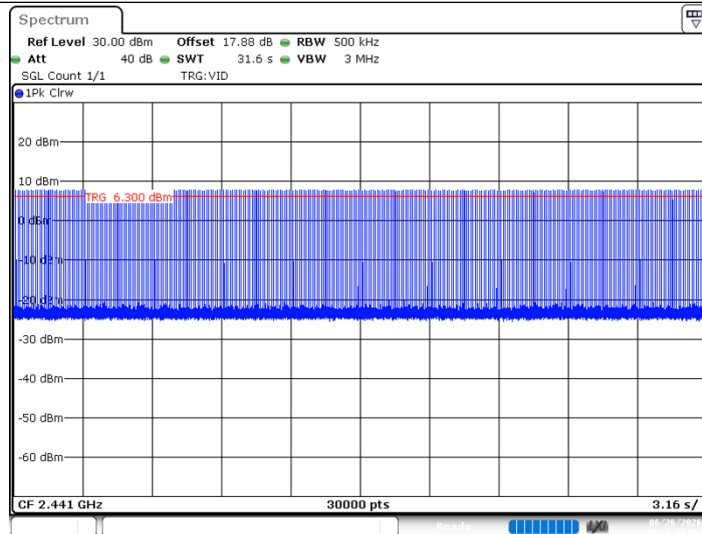


Date: 26.JUN.2026 06:15:51

3DH1_Ant1_Hop

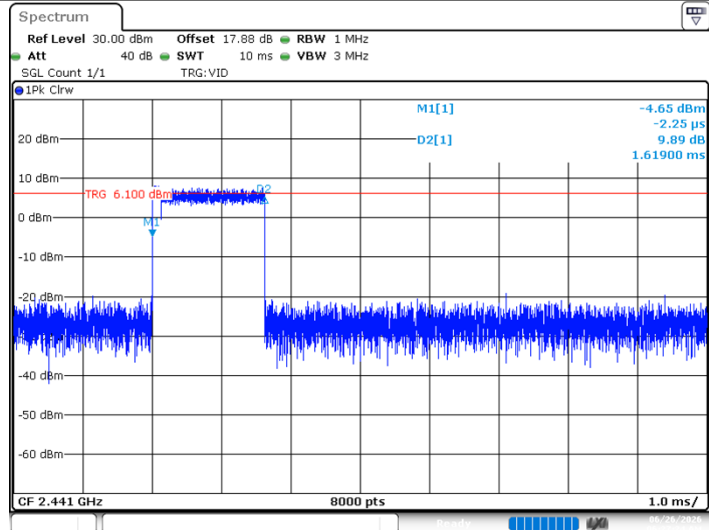


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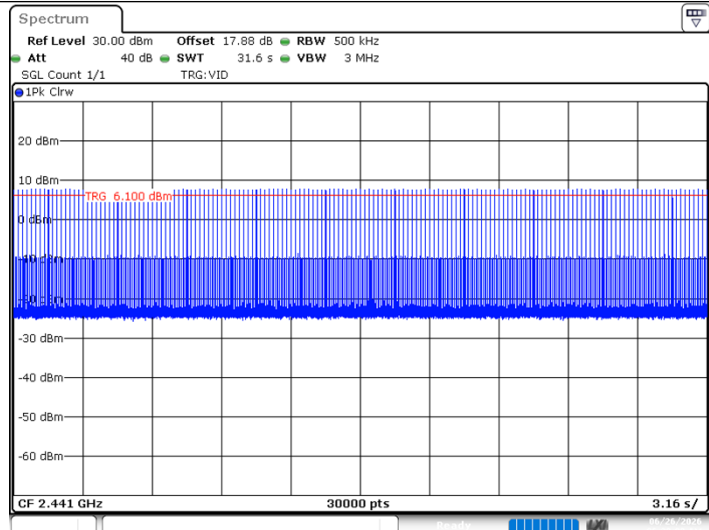


Date: 26.JUN.2026 06:26:50

3DH3_Ant1_Hop

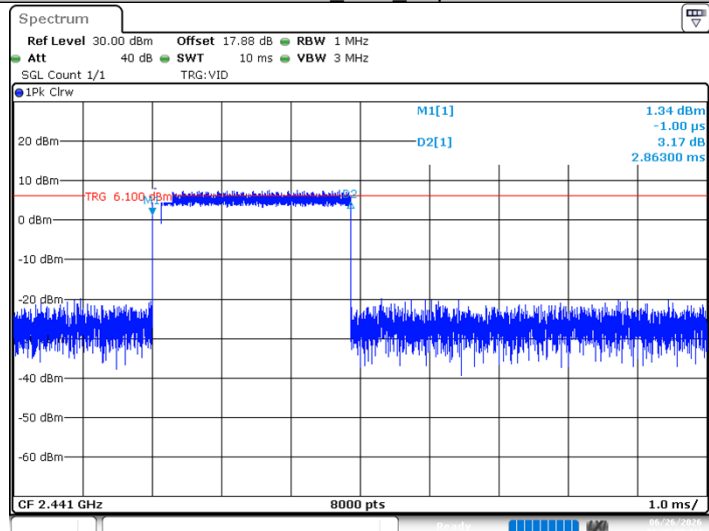


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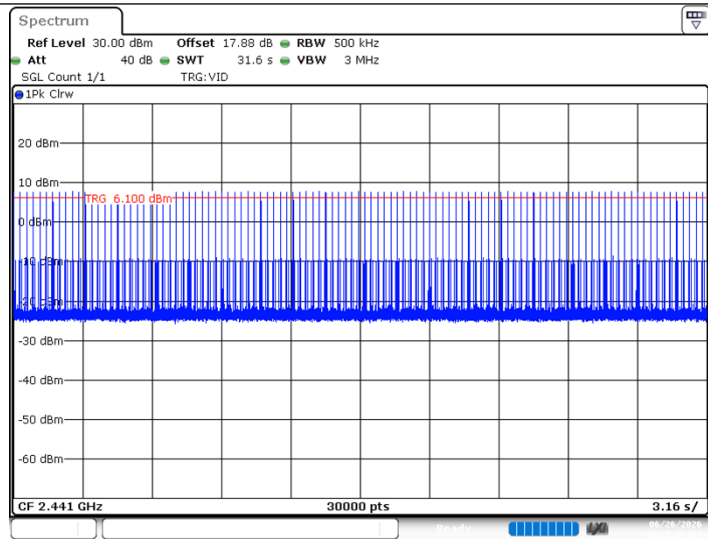


Date: 26.JUN.2026 06:28:00

3DH5_Ant1_Hop



Date: 26.JUN.2026 06:25:08

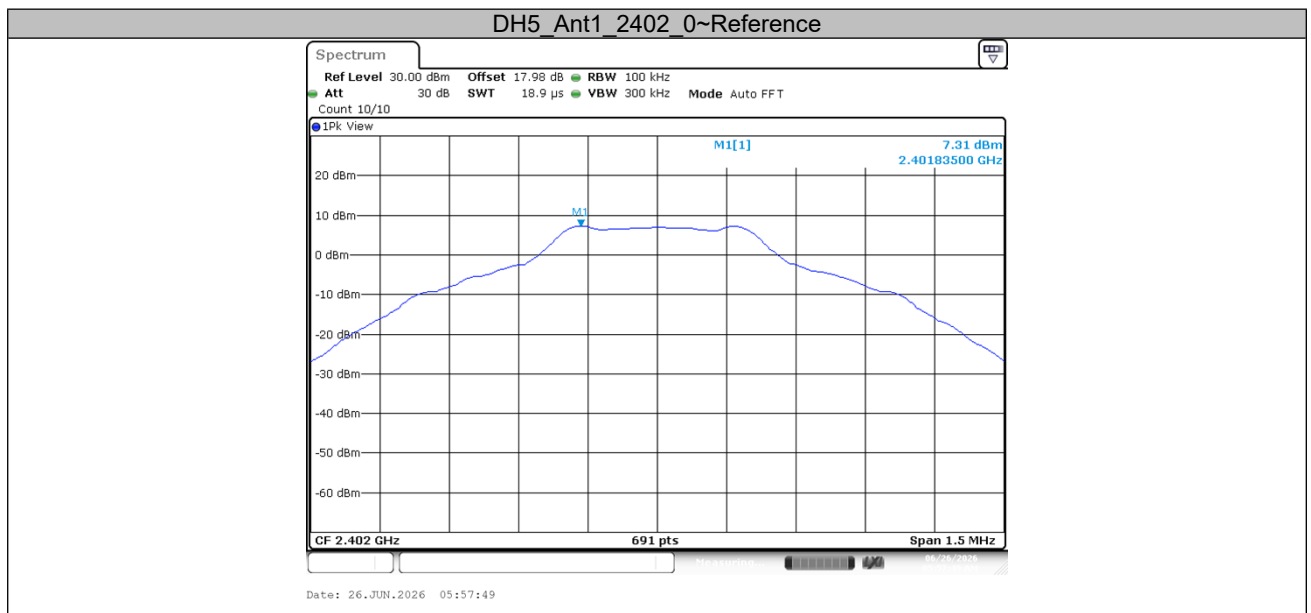


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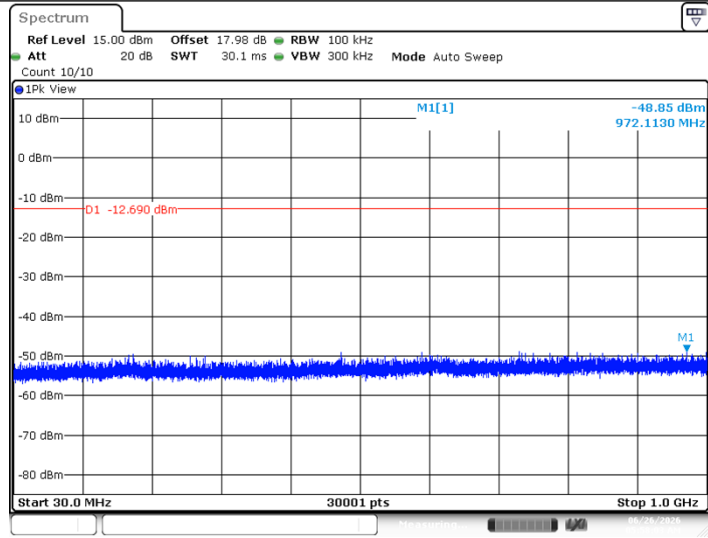
Appendix B.7: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

Conducted Spurious Emission

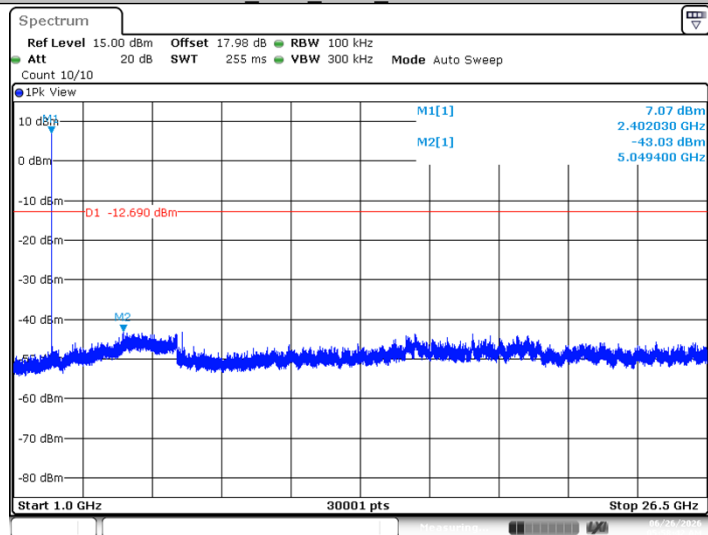
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	7.31	7.31	---	PASS
			30~1000	7.31	-48.85	≤-12.69	PASS
			1000~26500	7.31	-43.03	≤-12.69	PASS
		2441	Reference	7.14	7.14	---	PASS
			30~1000	7.14	-48.13	≤-12.86	PASS
			1000~26500	7.14	-42.43	≤-12.86	PASS
		2480	Reference	6.93	6.93	---	PASS
			30~1000	6.93	-47.9	≤-13.07	PASS
			1000~26500	6.93	-41.92	≤-13.07	PASS
3DH5	Ant1	2402	Reference	7.53	7.53	---	PASS
			30~1000	7.53	-48.32	≤-12.47	PASS
			1000~26500	7.53	-43.23	≤-12.47	PASS
		2441	Reference	7.34	7.34	---	PASS
			30~1000	7.34	-48.88	≤-12.66	PASS
			1000~26500	7.34	-41.98	≤-12.66	PASS
		2480	Reference	7.11	7.11	---	PASS
			30~1000	7.11	-47.66	≤-12.89	PASS
			1000~26500	7.11	-42.67	≤-12.89	PASS



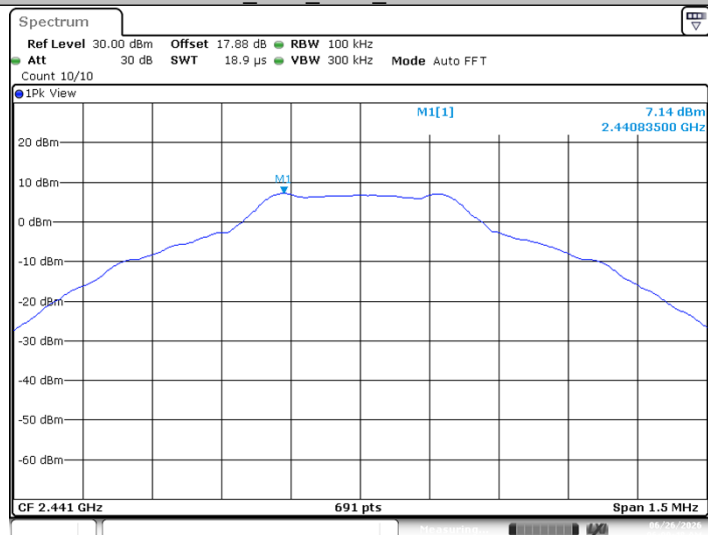
DH5_Ant1_2402_30~1000



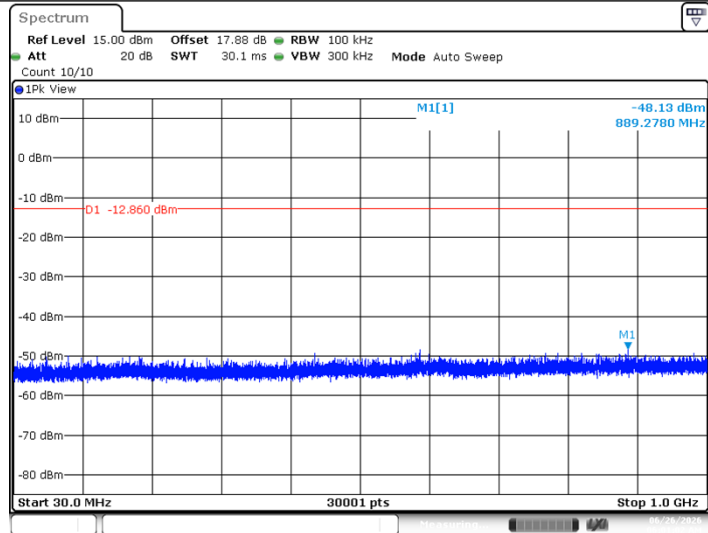
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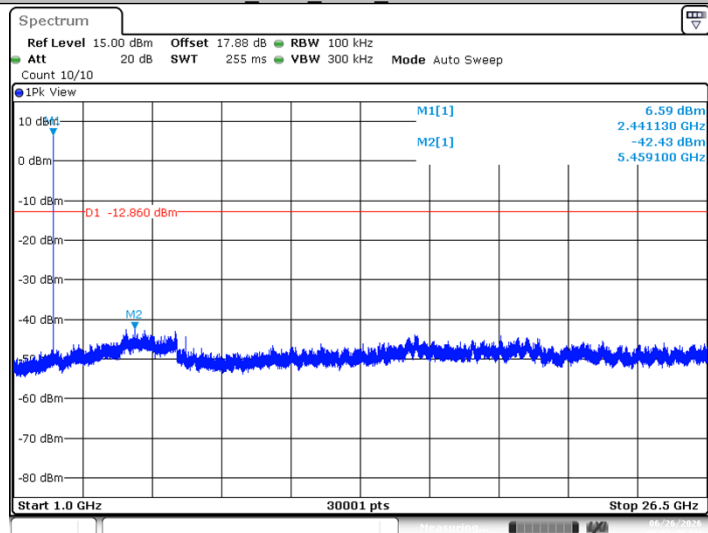
DH5_Ant1_2441_0~Reference



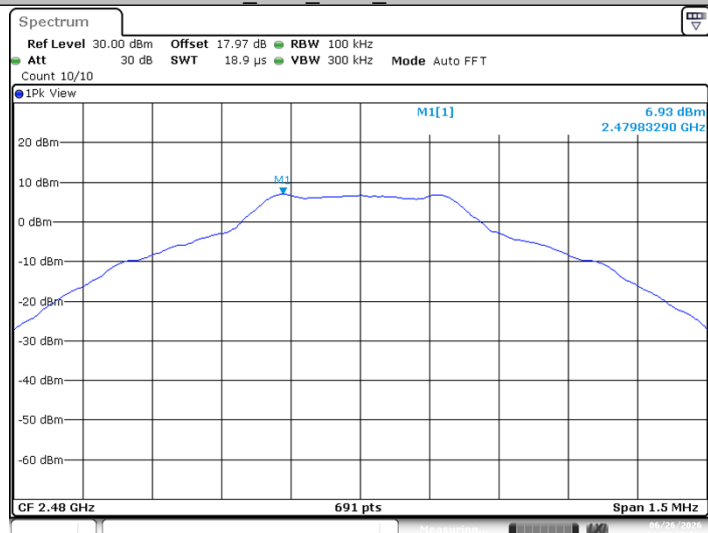
DH5_Ant1_2441_30~1000



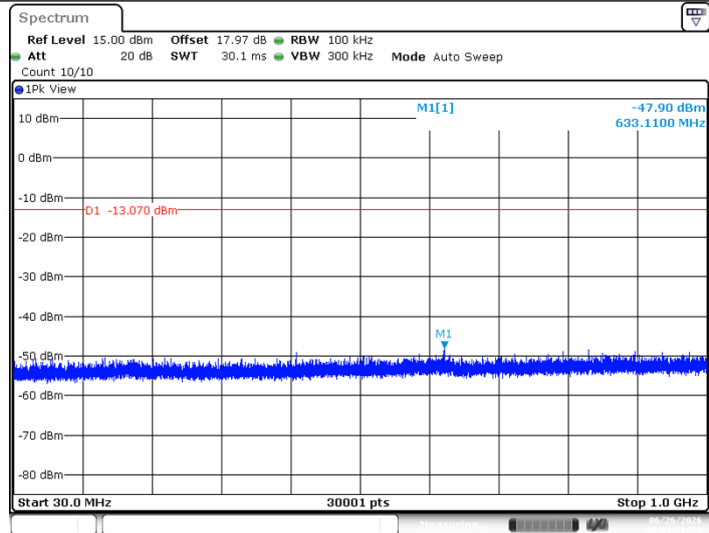
DH5_Ant1_2441_1000~26500



DH5_Ant1_2480_0~Reference

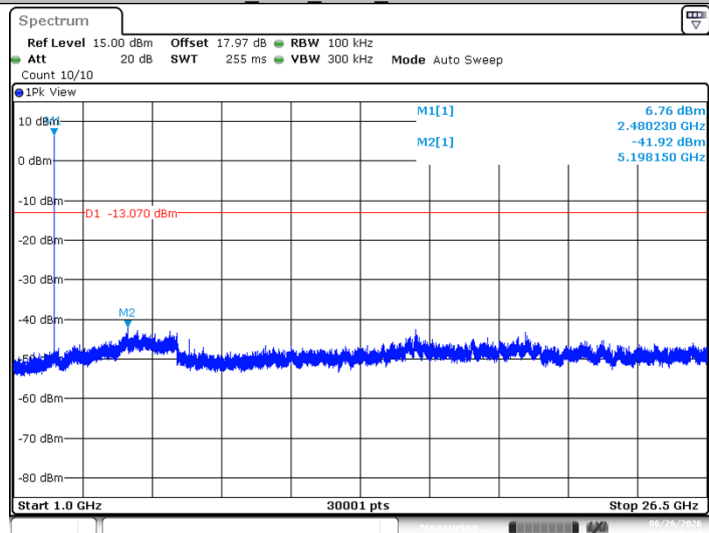


DH5_Ant1_2480_30~1000



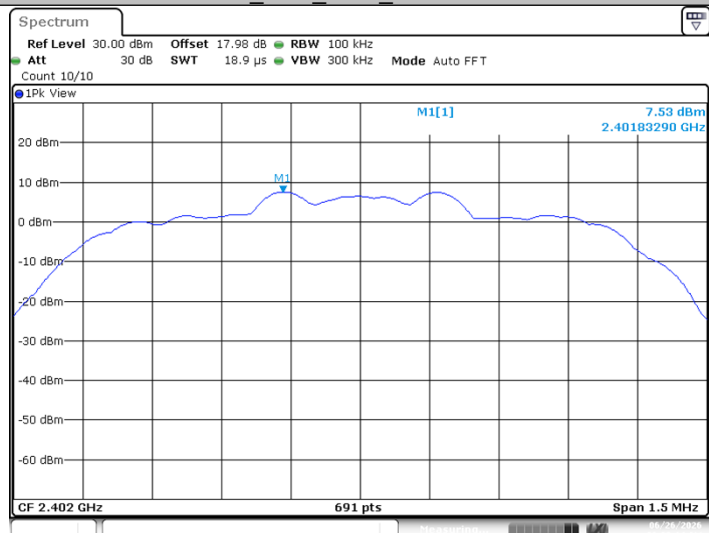
Date: 26.JUN.2026 06:04:31

DH5_Ant1_2480_1000~26500



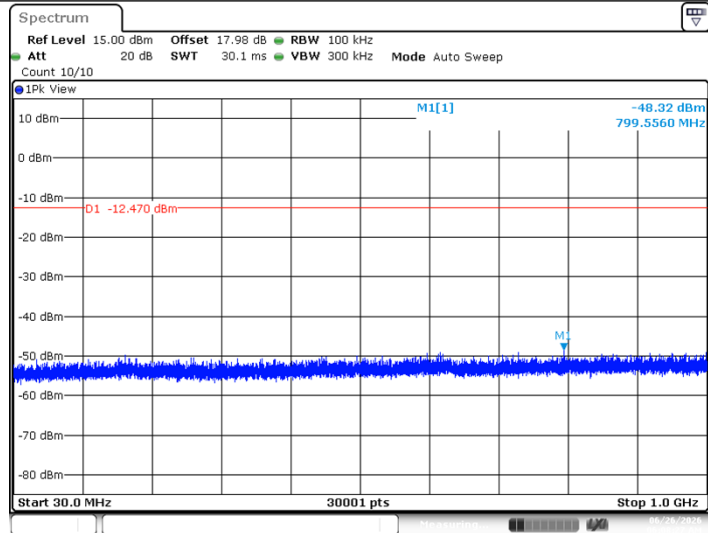
Date: 26.JUN.2026 06:05:09

3DH5_Ant1_2402_0~Reference



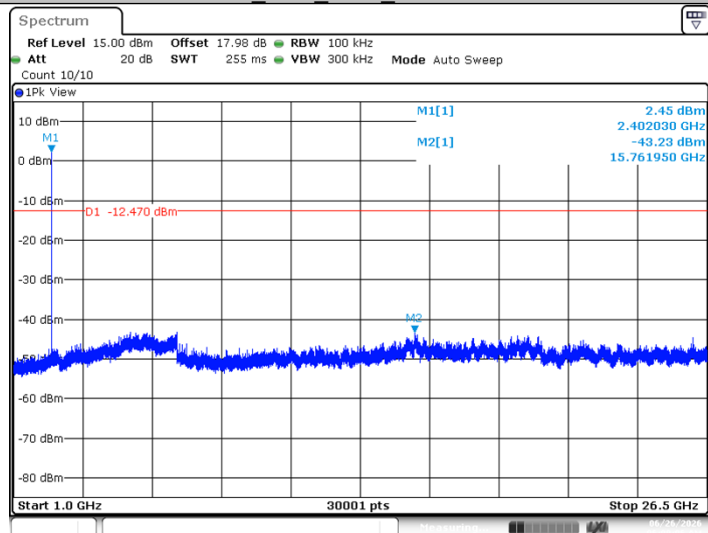
Date: 26.JUN.2026 06:08:14

3DH5_Ant1_2402_30~1000



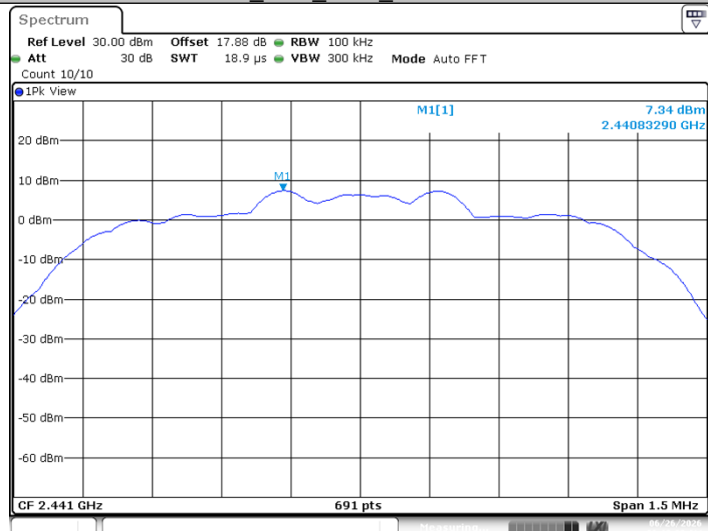
Date: 26.JUN.2026 06:08:27

3DH5_Ant1_2402_1000~26500



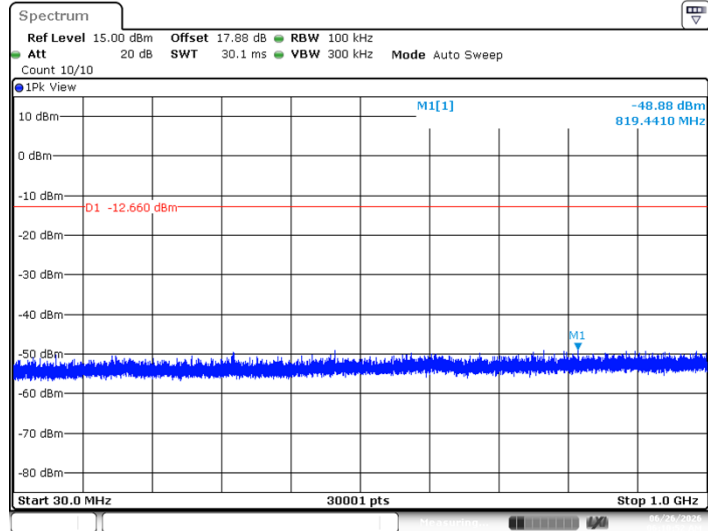
Date: 26.JUN.2026 06:09:06

3DH5_Ant1_2441_0~Reference



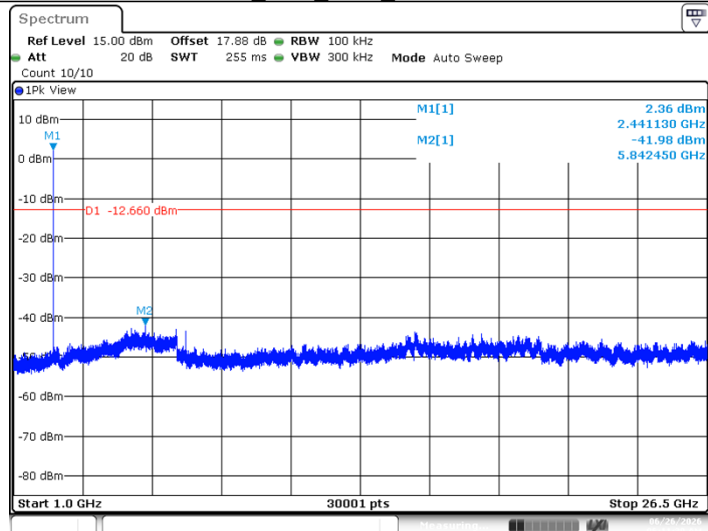
Date: 26.JUN.2026 06:10:38

3DH5_Ant1_2441_30~1000



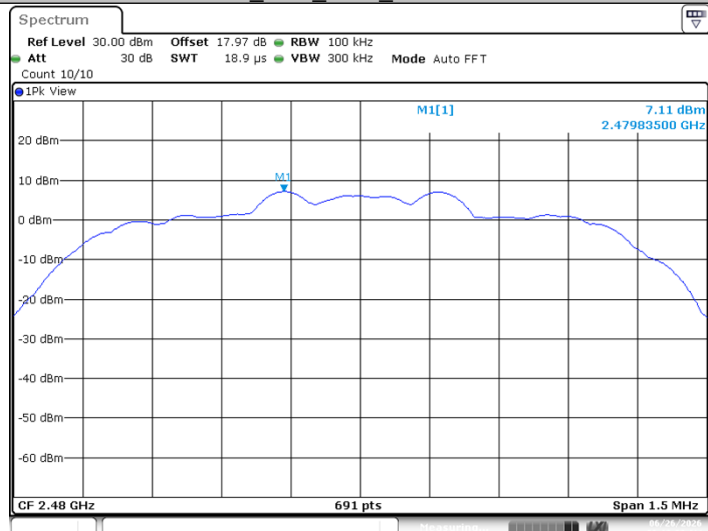
Date: 26.JUN.2026 06:10:52

3DH5_Ant1_2441_1000~26500



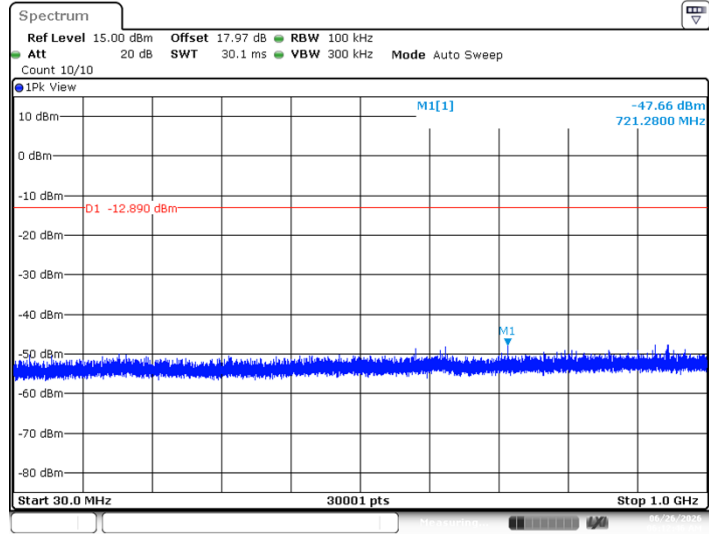
Date: 26.JUN.2026 06:11:30

3DH5_Ant1_2480_0~Reference

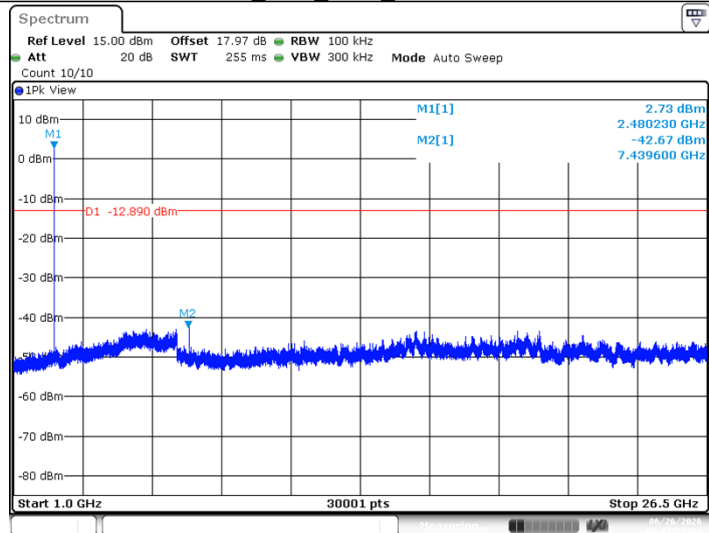


Date: 26.JUN.2026 06:12:32

3DH5_Ant1_2480_30~1000

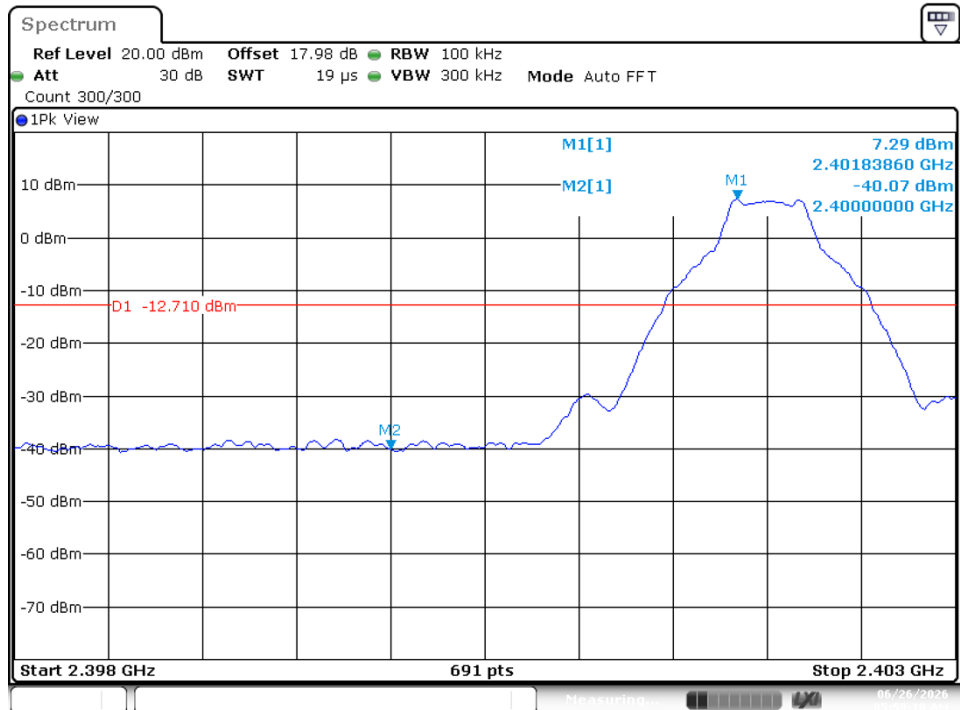


3DH5_Ant1_2480_1000~26500

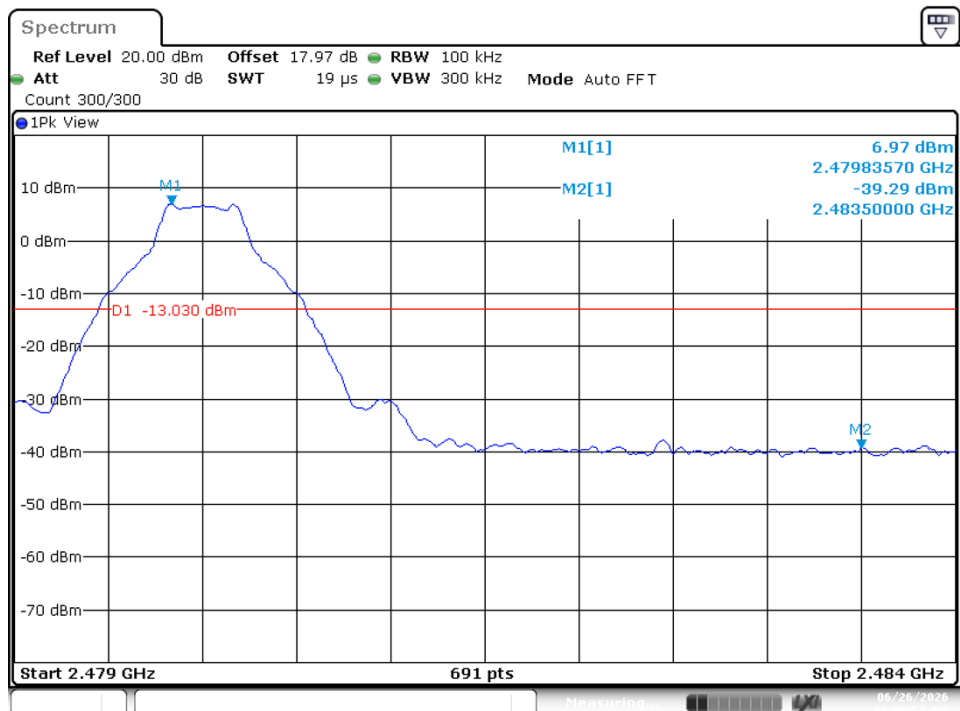


Band edge measurements.

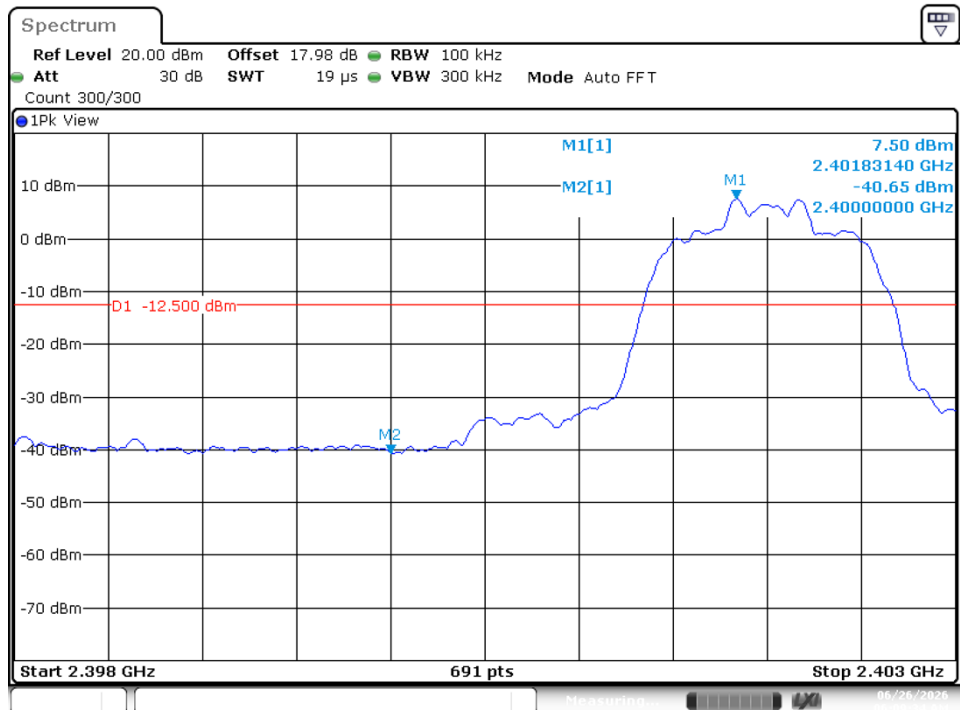
1DH5_Ant1_2402_band edge



1DH5_Ant1_2480_band edge

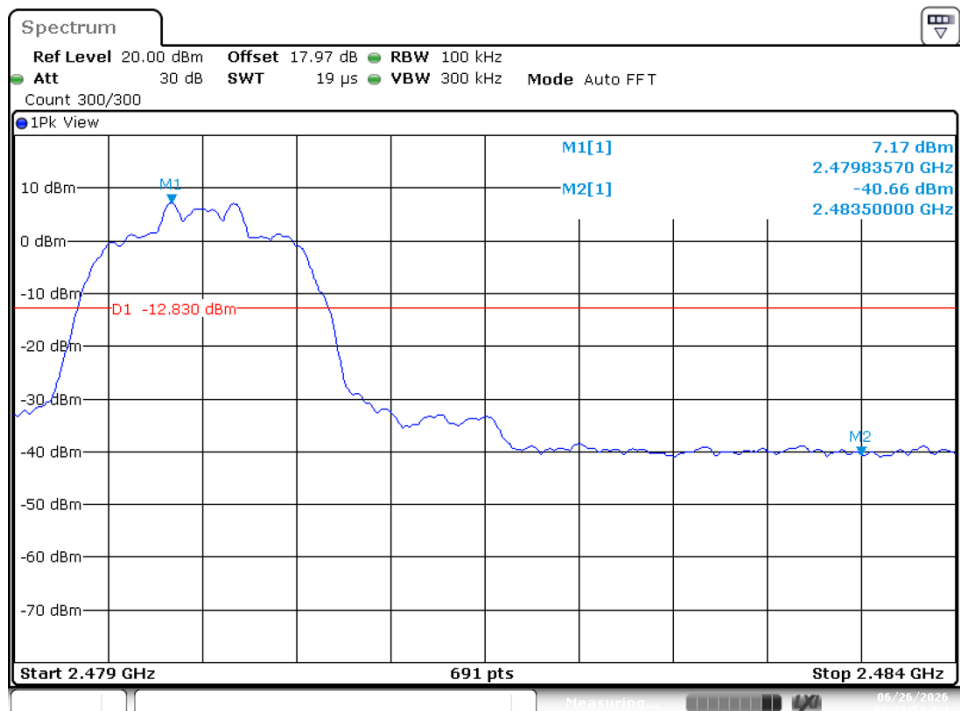


3DH5_Ant1_2402_band edge



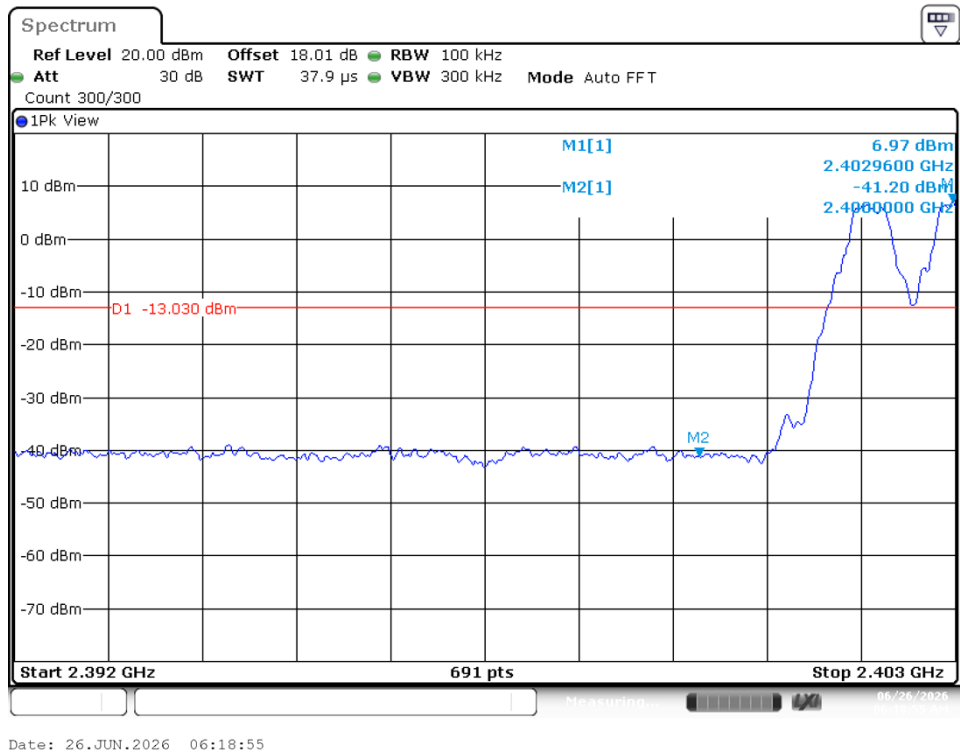
Date: 26.JUN.2026 06:09:34

3DH5_Ant1_2480_band edge

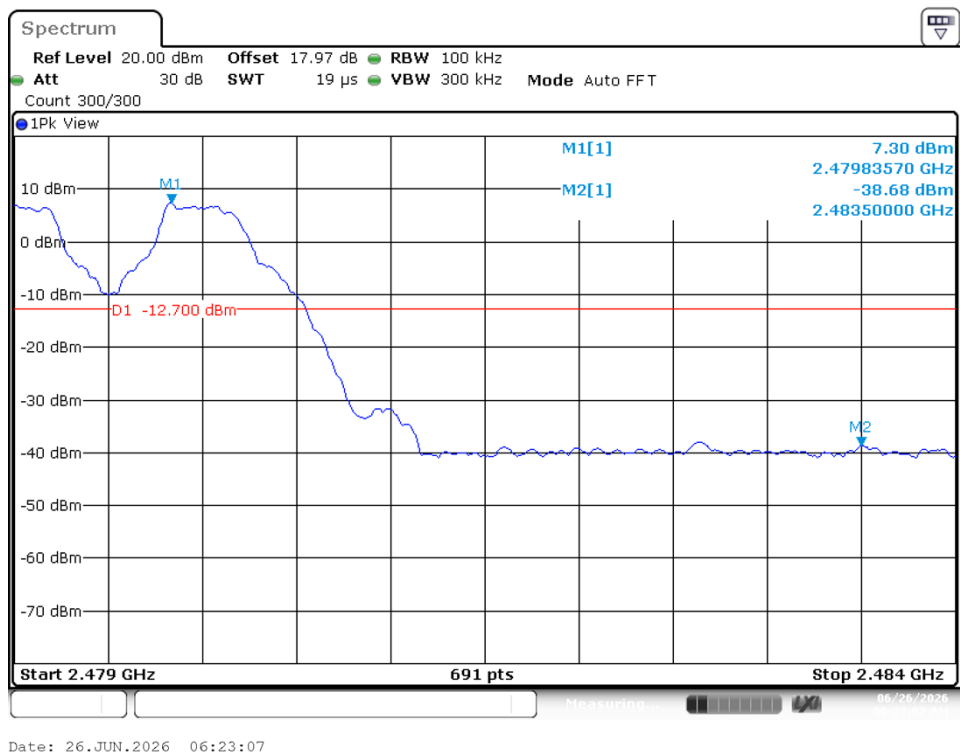


Date: 26.JUN.2026 06:13:53

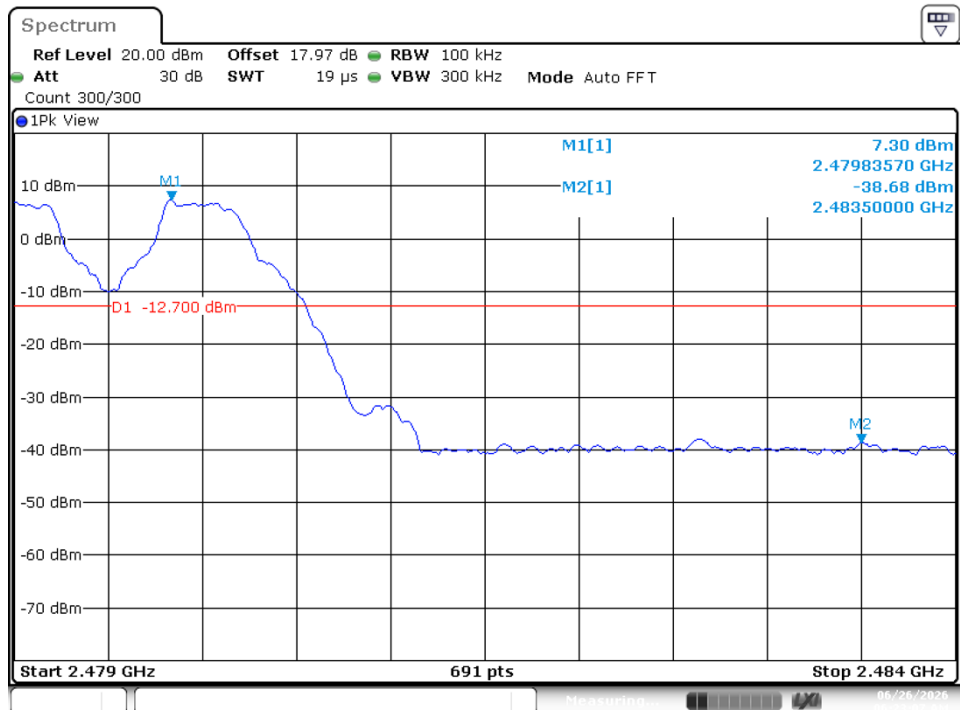
DH5_Ant1_2402_Hopping mode band edge



DH5_Ant1_2480_Hopping mode band edge

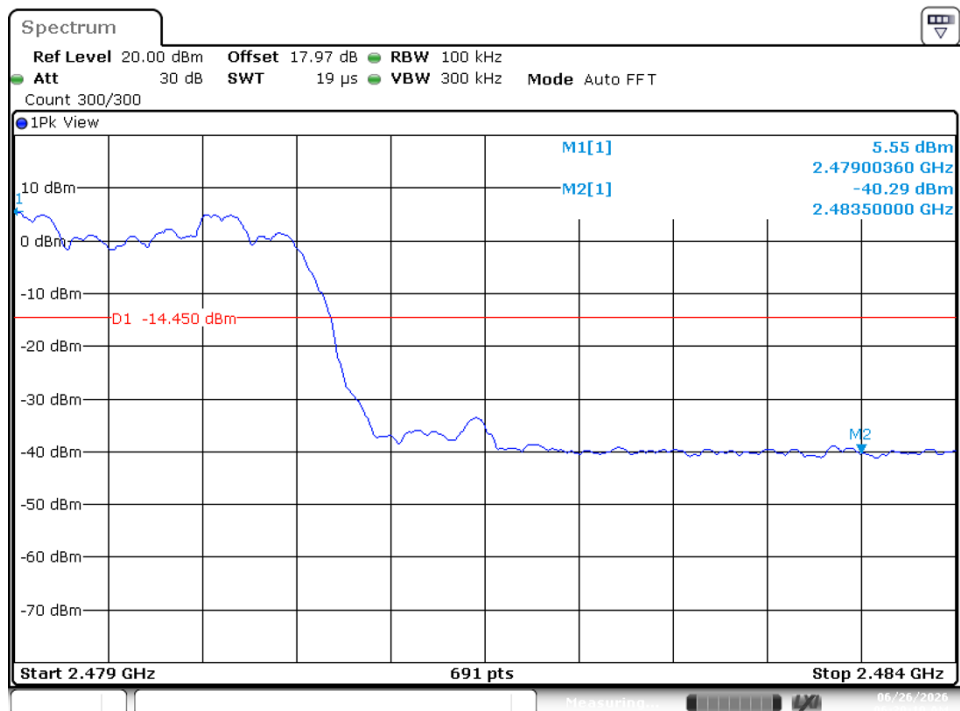


3DH5_Ant1_2402_Hopping mode band edge



Date: 26.JUN.2026 06:23:07

3DH5_Ant1_2480_Hopping mode band edge



Date: 26.JUN.2026 06:30:10

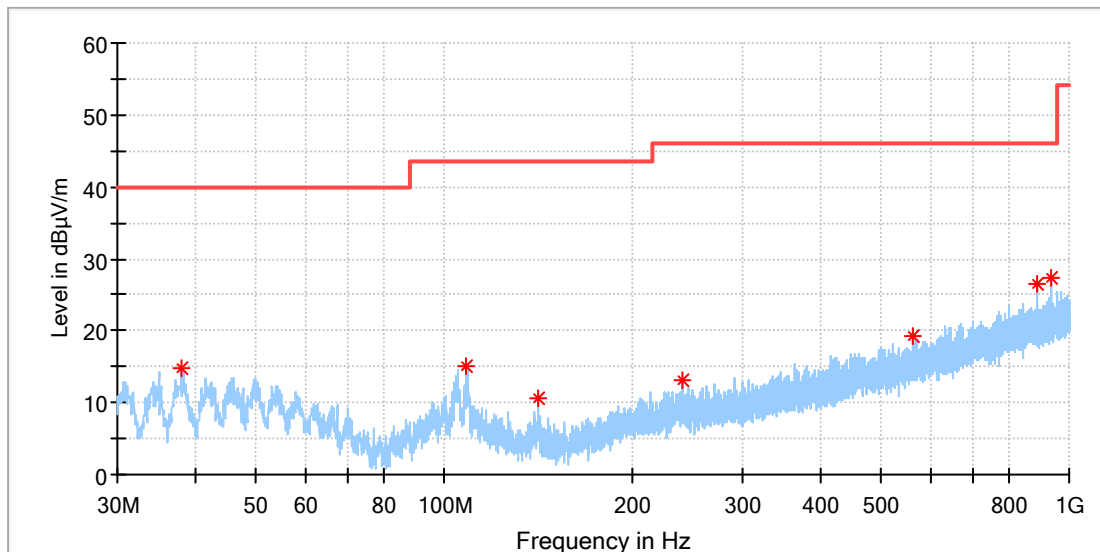
Appendix B.8: Test Results of Radiated Spurious Emissions

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:	PORTABLE BLUETOOTH SPEAKER
Model:	GO5H
Test Mode:	BR DH5_Mid channel
Order No/Sample No:	A004296719-005
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

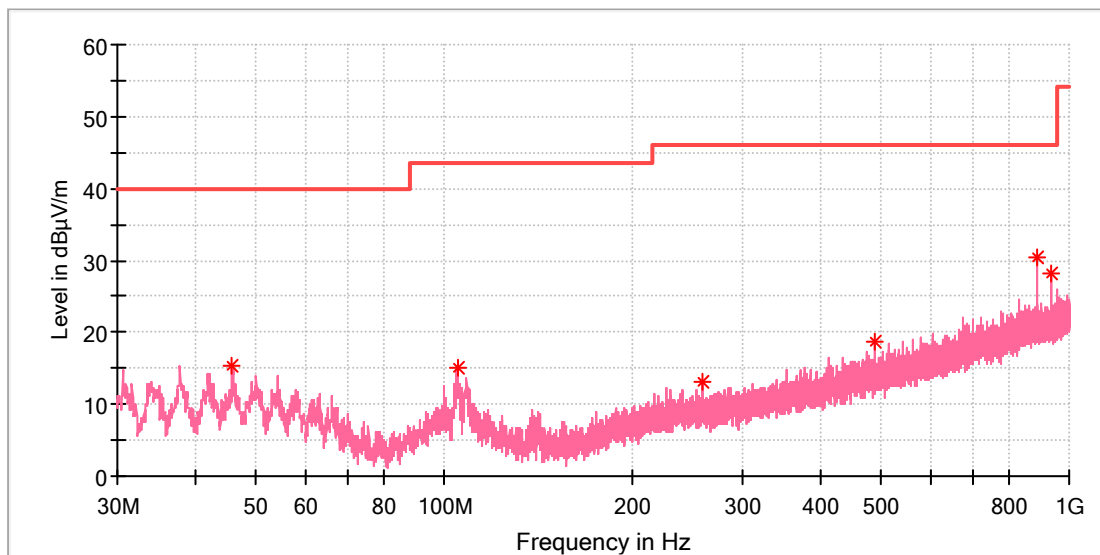


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
37.921667	14.74	40.00	25.26	100.0	H	52.0	-20.8
108.785556	15.20	43.50	28.30	100.0	H	91.0	-19.1
141.172778	10.60	43.50	32.90	100.0	H	155.0	-22.4
240.005000	13.06	46.00	32.94	100.0	H	0.0	-17.7
563.015000	19.27	46.00	26.73	100.0	H	243.0	-10.5
891.036667	26.48	46.00	19.52	100.0	H	172.0	-4.9
936.950000	27.48	46.00	18.52	100.0	H	194.0	-4.4

EUT Information

EUT Name:	PORTABLE BLUETOOTH SPEAKER
Model:	GO5H
Test Mode:	BR DH5_Mid channel
Order No/Sample No:	A004296719-005
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

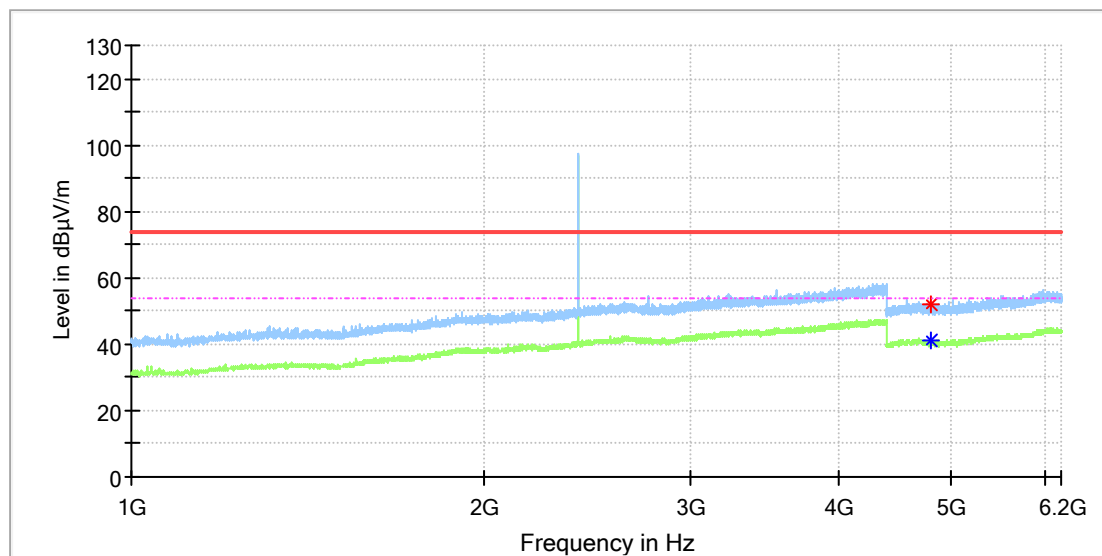
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
45.843333	15.49	40.00	24.51	100.0	V	51.0	-18.8
105.067222	14.95	43.50	28.55	100.0	V	44.0	-18.9
259.728333	13.22	46.00	32.78	100.0	V	0.0	-17.1
490.211111	18.71	46.00	27.29	100.0	V	333.0	-12.0
890.982778	30.52	46.00	15.48	100.0	V	58.0	-4.9
936.950000	28.17	46.00	17.83	100.0	V	264.0	-4.4

1GHz - 18GHz

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

EUT Information

EUT Name:	PORTABLE BLUETOOTH SPEAKER
Model:	GO5H
Test Mode:	BR DH5_Low channel
Order No/Sample No:	A004296719-005
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

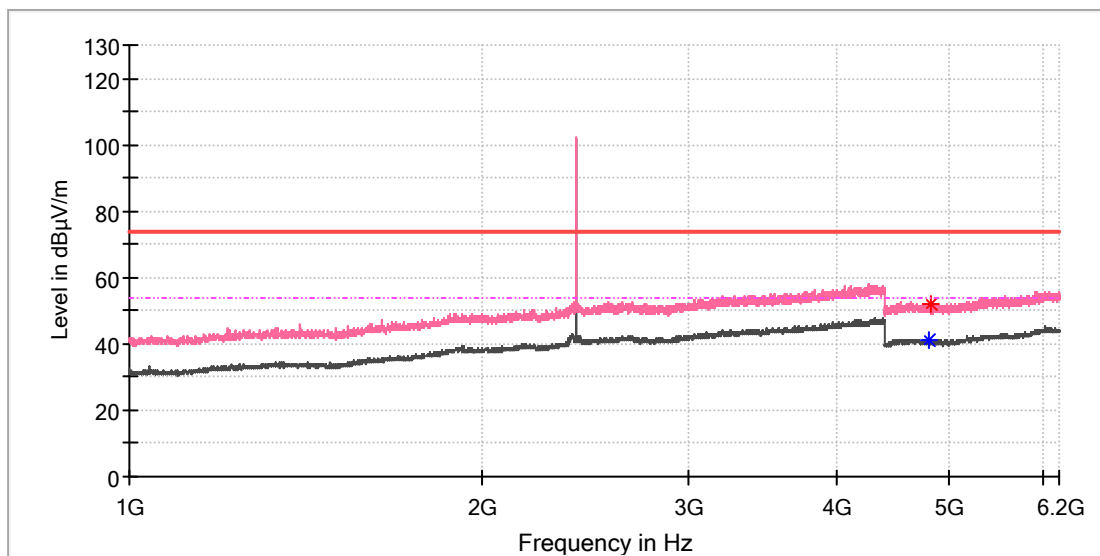


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4802.500000	---	40.98	54.00	13.02	150.0	H	149.0	13.3
4807.500000	51.80	---	74.00	22.20	150.0	H	196.0	13.3

EUT Information

EUT Name:	PORTABLE BLUETOOTH SPEAKER
Model:	GO5H
Test Mode:	BR DH5_Low channel
Order No/Sample No:	A004296719-005
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

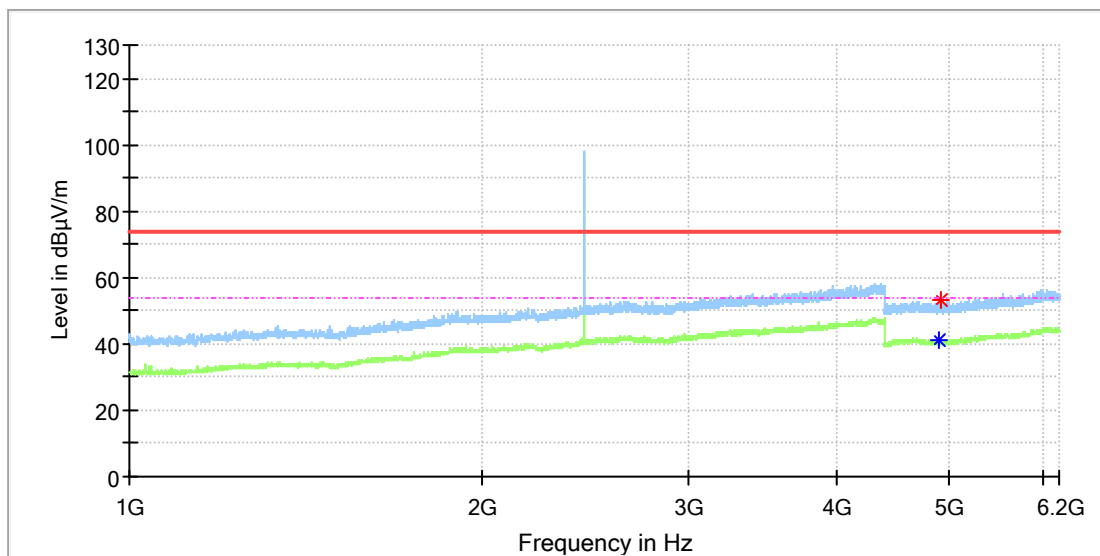


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4801.000000	---	40.86	54.00	13.14	150.0	V	127.0	13.3
4817.500000	52.13	---	74.00	21.87	150.0	V	164.0	13.3

EUT Information

EUT Name:	PORTABLE BLUETOOTH SPEAKER
Model:	GO5H
Test Mode:	BR DH5_Mid channel
Order No/Sample No:	A004296719-005
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

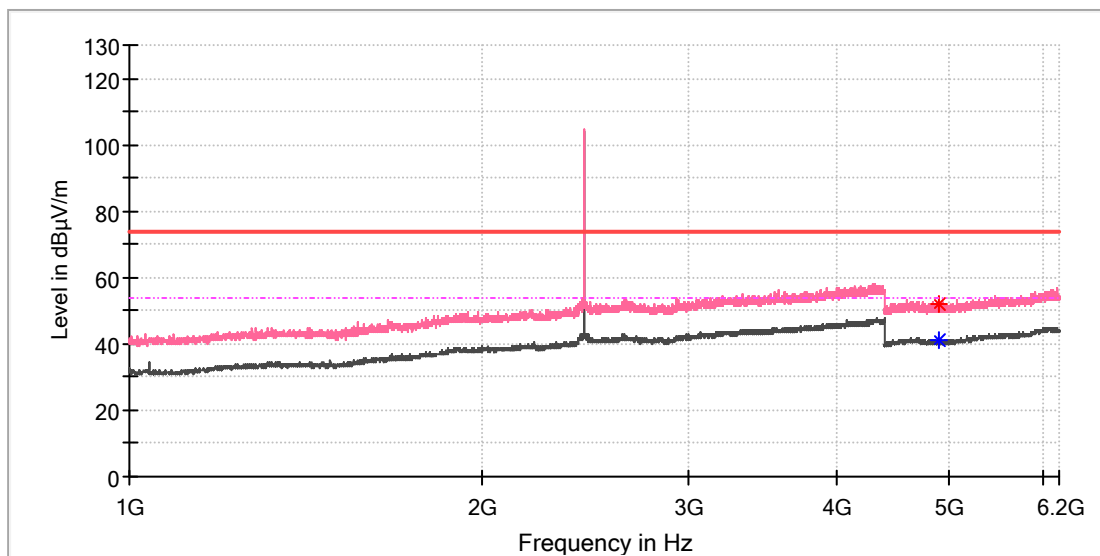


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4906.000000	---	41.09	54.00	12.91	150.0	H	1.0	13.3
4908.500000	53.38	---	74.00	20.62	150.0	H	221.0	13.3

EUT Information

EUT Name:	PORTABLE BLUETOOTH SPEAKER
Model:	GO5H
Test Mode:	BR DH5_Mid channel
Order No/Sample No:	A004296719-005
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

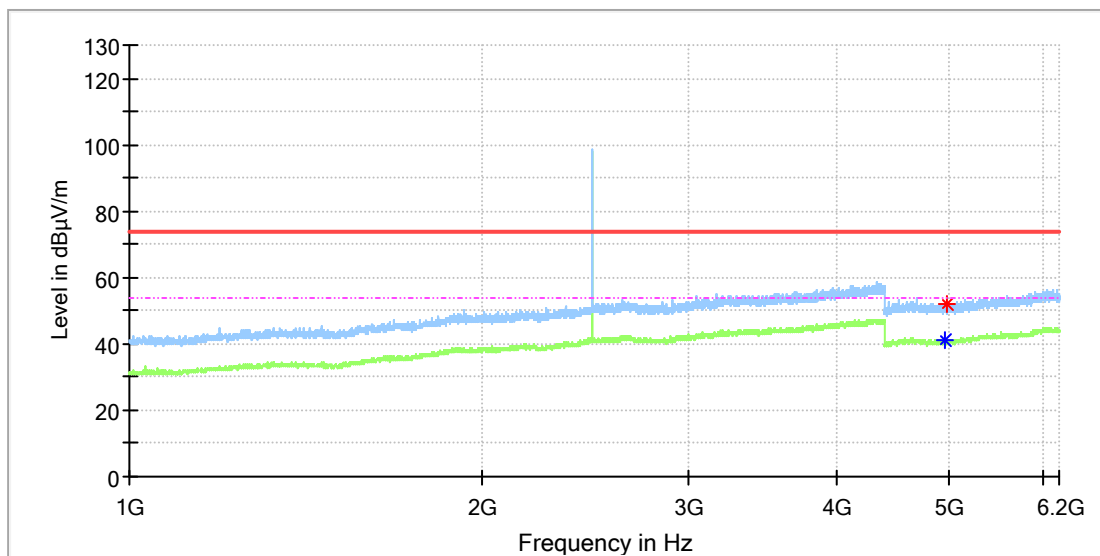


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4897.500000	---	41.35	54.00	12.65	150.0	V	214.0	13.3
4902.000000	52.26	---	74.00	21.74	150.0	V	152.0	13.3

EUT Information

EUT Name:	PORTABLE BLUETOOTH SPEAKER
Model:	GO5H
Test Mode:	BR DH5_High channel
Order No/Sample No:	A004296719-005
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

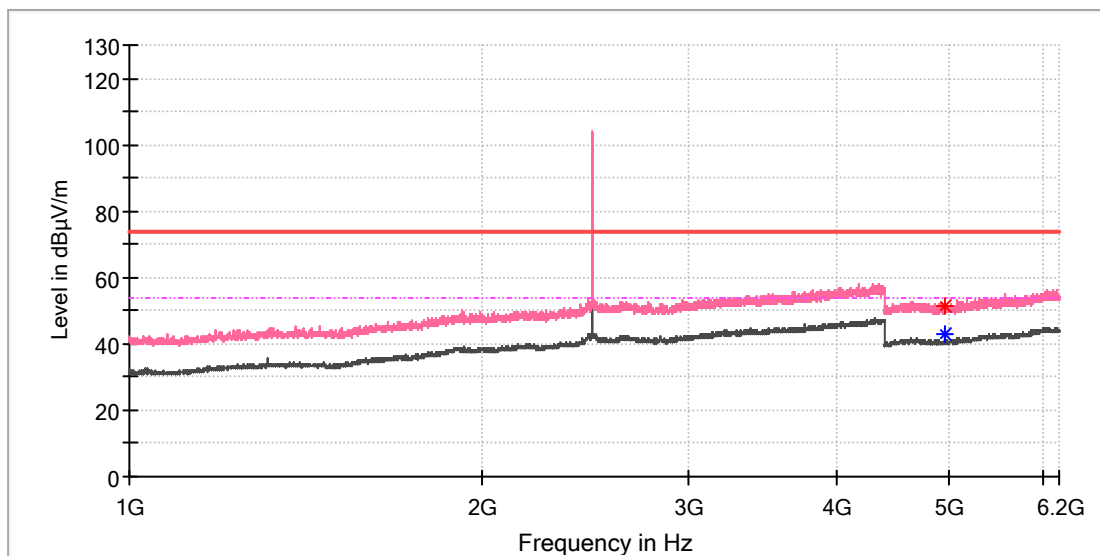


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4960.500000	---	41.27	54.00	12.73	150.0	H	251.0	13.3
4975.000000	52.10	---	74.00	21.90	150.0	H	357.0	13.3

EUT Information

EUT Name:	PORTABLE BLUETOOTH SPEAKER
Model:	GO5H
Test Mode:	BR DH5_High channel
Order No/Sample No:	A004296719-005
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

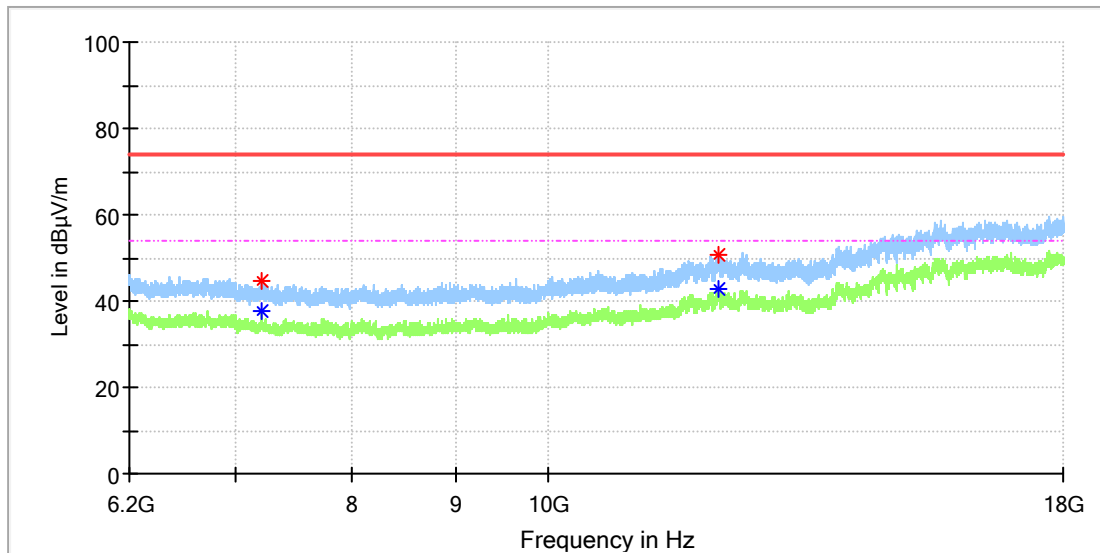


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4960.000000	51.57	---	74.00	22.43	150.0	V	278.0	13.3
4960.000000	---	42.78	54.00	11.22	150.0	V	278.0	13.3

EUT Information

EUT Name:	PORTABLE BLUETOOTH SPEAKER
Model:	GO5H
Test Mode:	BR DH5_Low channel
Order No/Sample No:	A004296719-005
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

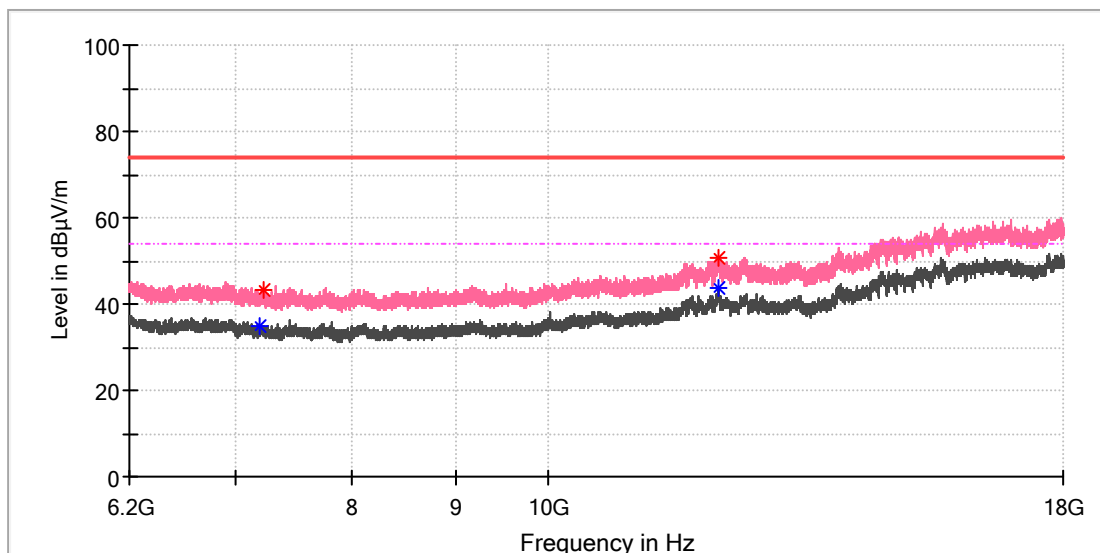


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7205.458333	44.60	---	74.00	29.40	150.0	H	190.0	8.8
7205.458333	---	37.74	54.00	16.26	150.0	H	190.0	8.8
12145.725000	---	42.75	54.00	11.25	150.0	H	0.0	16.6
12146.216667	50.59	---	74.00	23.41	150.0	H	214.0	16.6

EUT Information

EUT Name:	PORTABLE BLUETOOTH SPEAKER
Model:	GO5H
Test Mode:	BR DH5_Low channel
Order No/Sample No:	A004296719-005
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

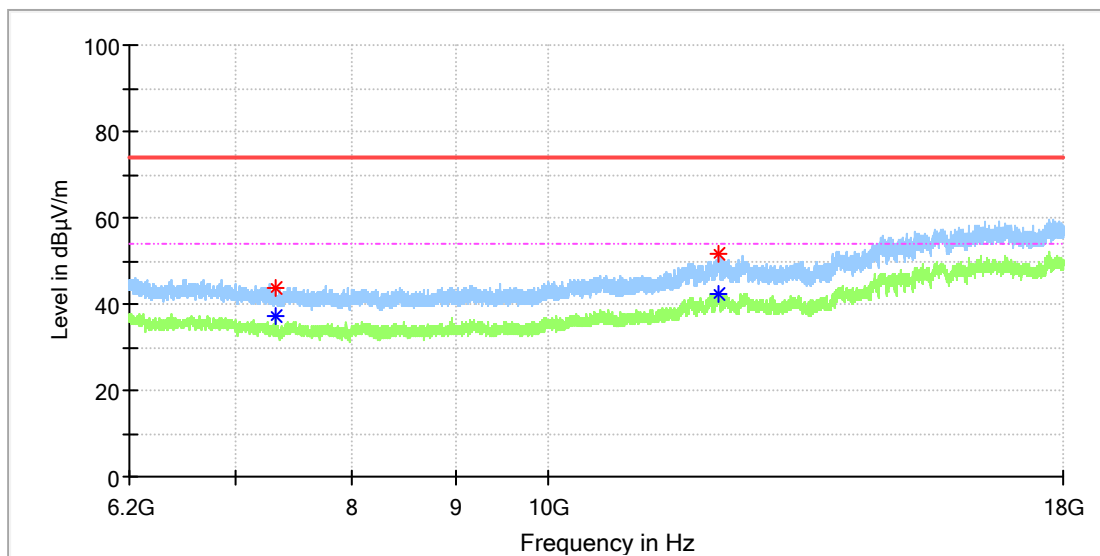


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7195.133333	---	34.97	54.00	19.03	150.0	V	324.0	8.8
7232.008333	43.45	---	74.00	30.55	150.0	V	280.0	8.6
12148.675000	50.61	---	74.00	23.39	150.0	V	199.0	16.7
12152.116667	---	43.62	54.00	10.38	150.0	V	302.0	16.6

EUT Information

EUT Name:	PORTABLE BLUETOOTH SPEAKER
Model:	GO5H
Test Mode:	BR DH5_Mid channel
Order No/Sample No:	A004296719-005
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

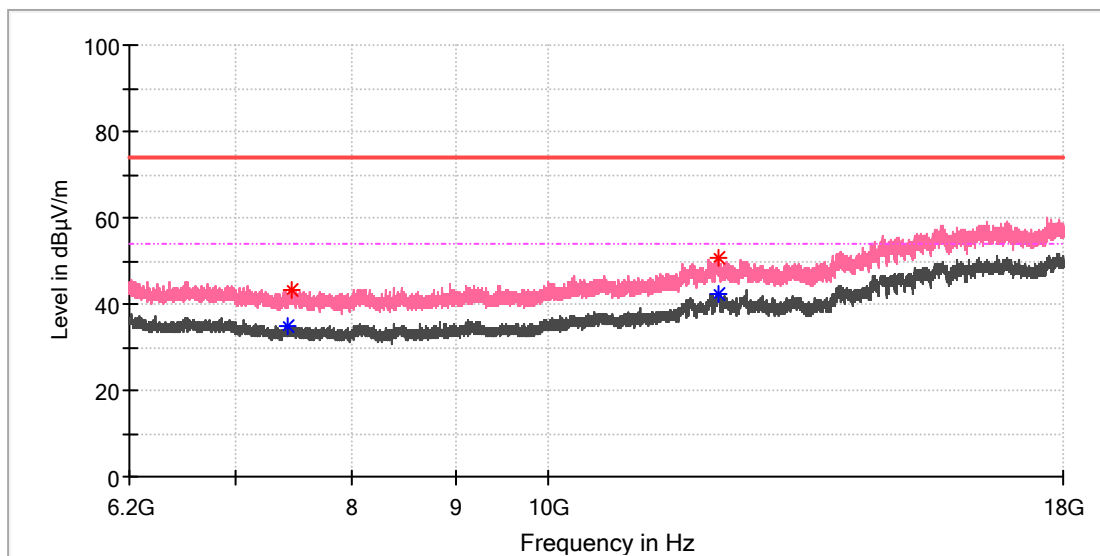


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7322.475000	43.80	---	74.00	30.20	150.0	H	235.0	8.2
7322.475000	---	36.99	54.00	17.01	150.0	H	235.0	8.2
12131.958333	---	42.45	54.00	11.55	150.0	H	258.0	16.3
12153.591667	51.59	---	74.00	22.41	150.0	H	212.0	16.5

EUT Information

EUT Name:	PORTABLE BLUETOOTH SPEAKER
Model:	GO5H
Test Mode:	BR DH5_Mid channel
Order No/Sample No:	A004296719-005
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

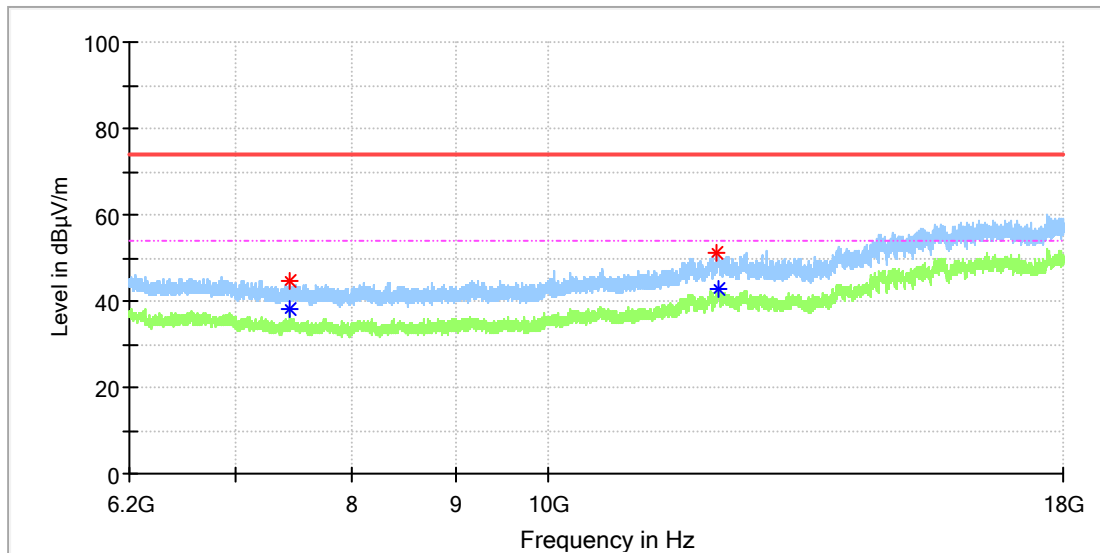


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7421.300000	---	34.89	54.00	19.11	150.0	V	192.0	8.4
7469.975000	43.46	---	74.00	30.54	150.0	V	147.0	8.6
12152.116667	---	42.41	54.00	11.59	150.0	V	3.0	16.6
12156.541667	50.67	---	74.00	23.33	150.0	V	55.0	16.4

EUT Information

EUT Name:	PORTABLE BLUETOOTH SPEAKER
Model:	GO5H
Test Mode:	BR DH5_High channel
Order No/Sample No:	A004296719-005
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

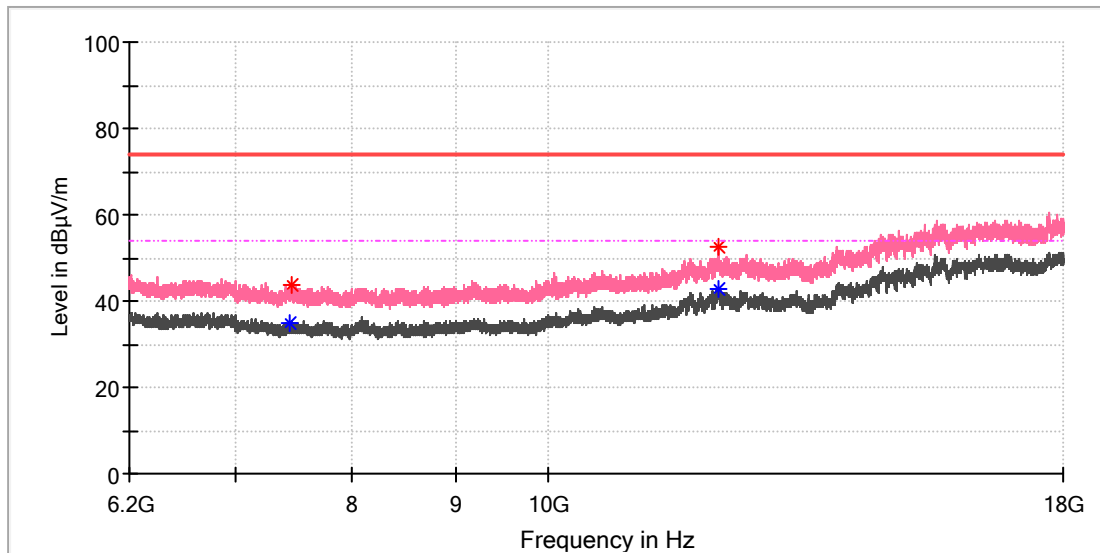


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7439.491667	---	38.04	54.00	15.96	150.0	H	318.0	8.4
7440.475000	44.48	---	74.00	29.52	150.0	H	0.0	8.4
12129.500000	51.04	---	74.00	22.96	150.0	H	46.0	16.2
12156.050000	---	42.80	54.00	11.20	150.0	H	297.0	16.4

EUT Information

EUT Name:	PORTABLE BLUETOOTH SPEAKER
Model:	GO5H
Test Mode:	BR DH5_High channel
Order No/Sample No:	A004296719-005
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



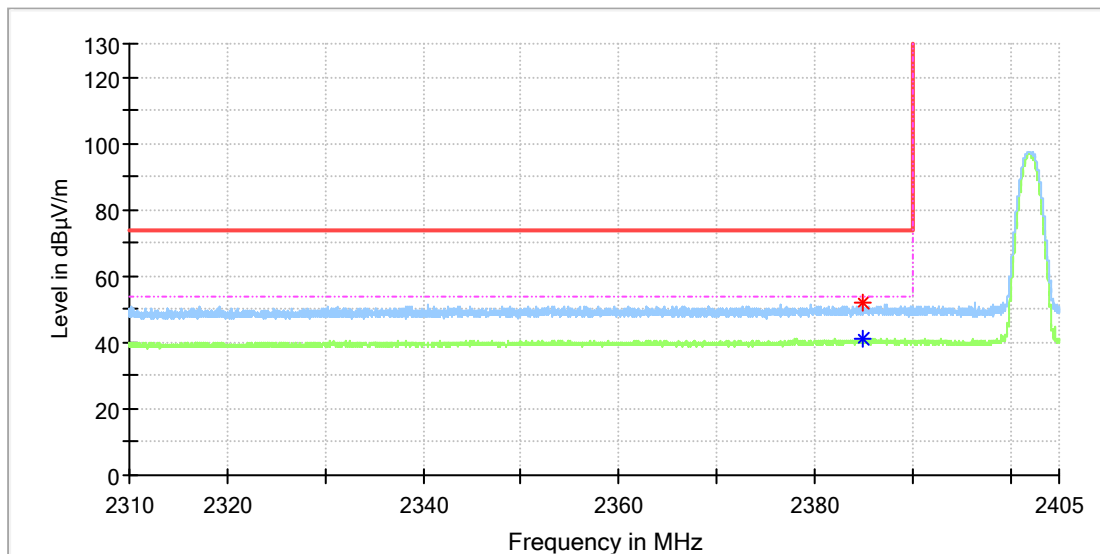
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7452.275000	---	35.09	54.00	18.91	150.0	V	49.0	8.5
7461.616667	43.92	---	74.00	30.08	150.0	V	148.0	8.6
12150.150000	52.42	---	74.00	21.58	150.0	V	284.0	16.7
12153.100000	---	42.97	54.00	11.03	150.0	V	0.0	16.6

Appendix B.9: Test Results of Radiated Emissions in Restricted Bands

EUT Information

EUT Name:	PORTABLE BLUETOOTH SPEAKER
Model:	GO5H
Test Mode:	BR DH5_Low channel
Order No/Sample No:	A004296719-005
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

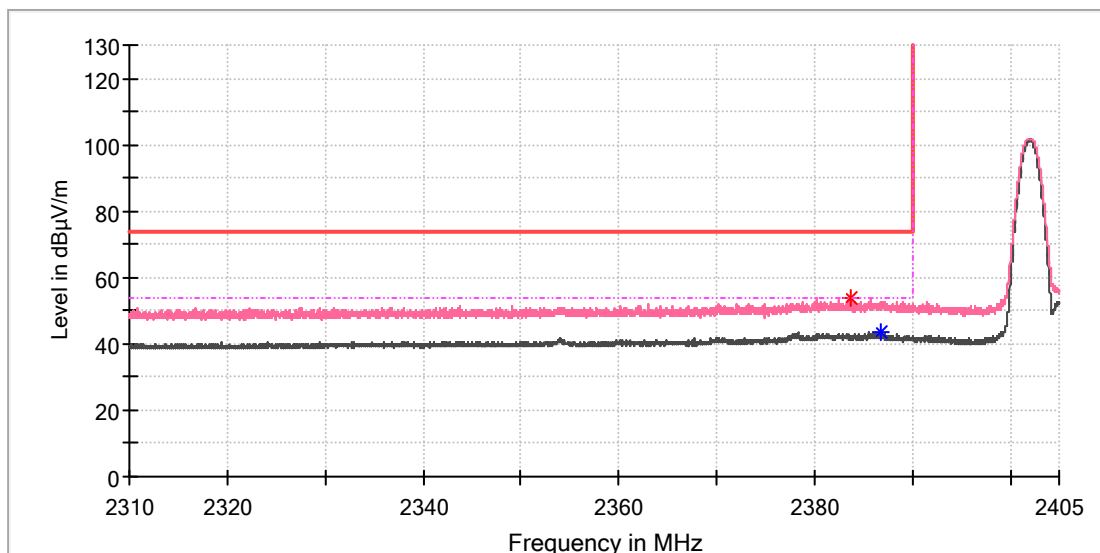


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2384.883529	---	41.31	54.00	12.69	150.0	H	316.0	8.5
2384.926765	51.95	---	74.00	22.05	150.0	H	261.0	8.5

EUT Information

EUT Name:	PORTABLE BLUETOOTH SPEAKER
Model:	GO5H
Test Mode:	BR DH5_Low channel
Order No/Sample No:	A004296719-005
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

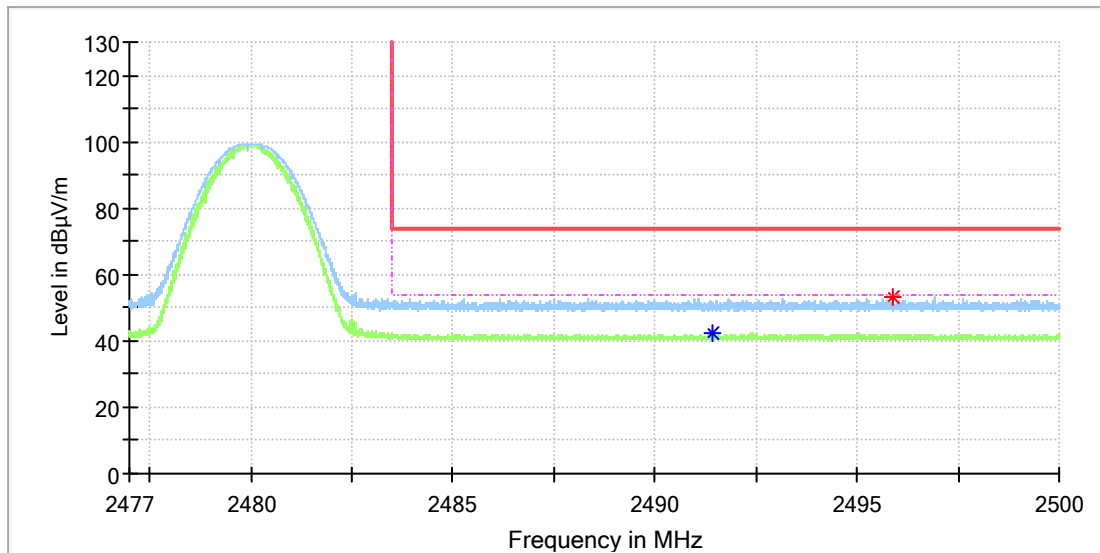


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2383.759412	53.70	---	74.00	20.30	150.0	V	333.0	8.5
2386.829118	---	43.55	54.00	10.45	150.0	V	356.0	8.5

EUT Information

EUT Name:	PORTABLE BLUETOOTH SPEAKER
Model:	GO5H
Test Mode:	BR DH5_High channel
Order No/Sample No:	A004296719-005
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

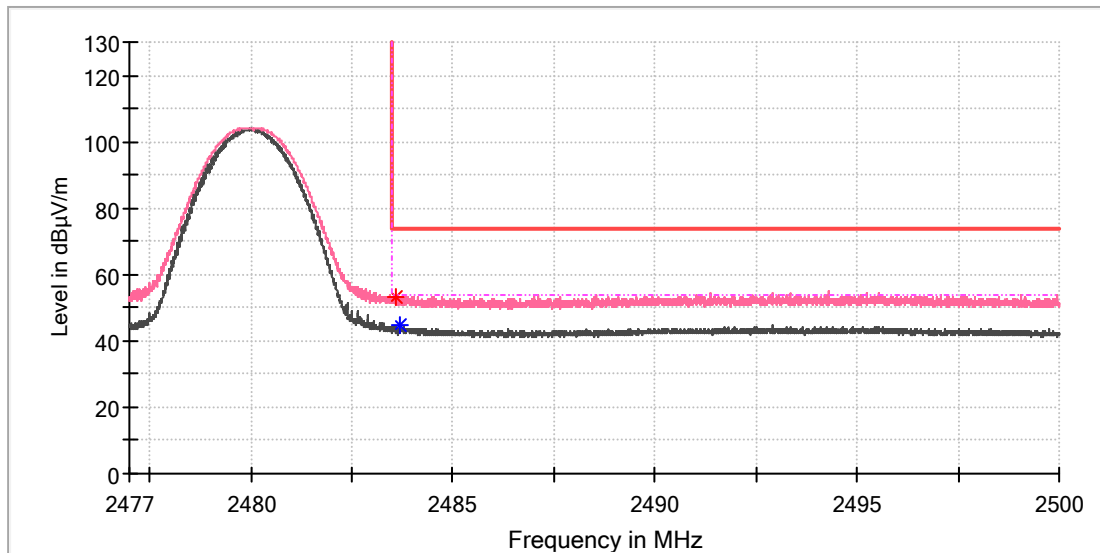


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2491.411765	---	42.26	54.00	11.74	150.0	H	164.0	9.0
2495.871324	53.00	---	74.00	21.00	150.0	H	15.0	9.0

EUT Information

EUT Name:	PORTABLE BLUETOOTH SPEAKER
Model:	GO5H
Test Mode:	BR DH5_High channel
Order No/Sample No:	A004296719-005
Test Voltage:	Battery
Remark:	Temp 23.5°C Humi:54%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



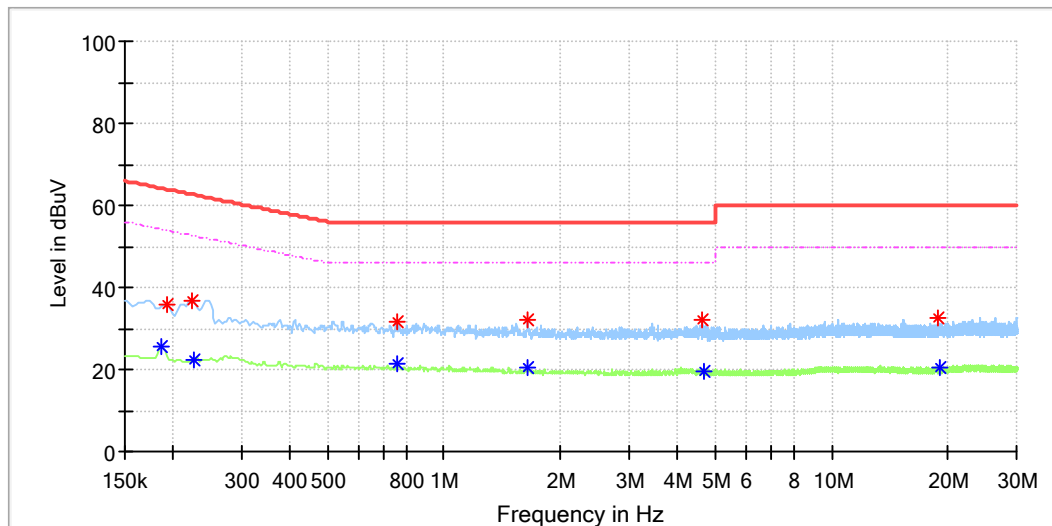
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.602941	53.38	---	74.00	20.62	150.0	V	0.0	9.0
2483.680147	---	44.53	54.00	9.47	150.0	V	0.0	9.0

Appendix B.10: Test Results of Conducted Emissions on AC mains

EUT Information

EUT Name:	PORTABLE BLUETOOTH SPEAKER
Order Number:	P02453551
Model:	GO5H
Test Mode:	Charging + Bluetooth Playing
Test Voltage:	AC 120V/60Hz
Standard:	FCC PART 15
Test By:/Review By:	Charron Chen / Charlie Zha
Tem./Hum./Pressure:	24.0°C/49.3%/101kPa
Remark:	SR 3

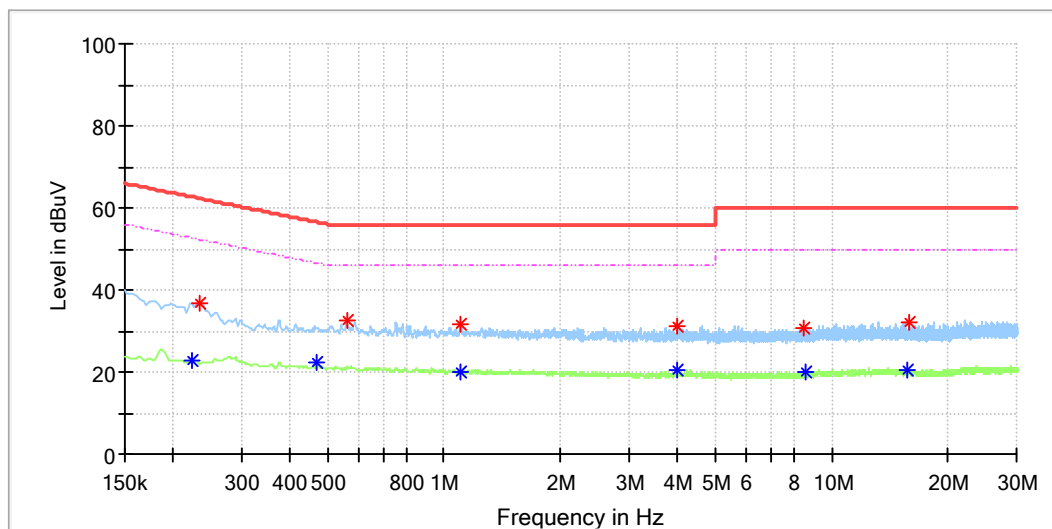


Critical Freqs

Frequency (MHz)	MaxPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
0.187	---	25.7	54.16	28.48	L1	9.7
0.192	36.0	---	63.94	27.95	L1	9.7
0.225	36.9	---	62.65	25.76	L1	9.7
0.227	---	22.5	52.56	30.07	L1	9.7
0.754	---	21.4	46.00	24.62	L1	9.7
0.754	31.7	---	56.00	24.25	L1	9.7
1.643	---	20.3	46.00	25.72	L1	9.6
1.645	32.0	---	56.00	24.03	L1	9.6
4.652	32.1	---	56.00	23.90	L1	9.7
4.667	---	19.7	46.00	26.30	L1	9.7
18.886	32.6	---	60.00	27.39	L1	9.7
18.975	---	20.6	50.00	29.44	L1	9.7

EUT Information

EUT Name:	PORTABLE BLUETOOTH SPEAKER
Order Number:	P02453551
Model:	GO5H
Test Mode:	Charging + Bluetooth Playing
Test Voltage:	AC 120V/60Hz
Standard:	FCC PART 15
Test By:/Review By:	Charron Chen / Charlie Zha
Tem./Hum./Pressure:	24.0°C/49.3%/101kPa
Remark:	SR 3



Critical Freqs

Frequency (MHz)	MaxPeak (dBuV)	Average (dBuV)	Limit (dBuV)	Margin (dB)	Line	Corr. (dB)
0.225	---	23.0	52.65	29.63	N	9.9
0.235	36.9	---	62.29	25.40	N	9.9
0.468	---	22.5	46.54	24.05	N	9.9
0.563	32.6	---	56.00	23.37	N	9.9
1.103	31.6	---	56.00	24.38	N	9.8
1.105	---	20.1	46.00	25.90	N	9.8
3.996	31.0	---	56.00	25.00	N	9.7
3.998	---	20.5	46.00	25.49	N	9.7
8.468	30.5	---	60.00	29.50	N	9.8
8.600	---	19.8	50.00	30.16	N	9.8
15.677	---	20.3	50.00	29.66	N	9.6
15.859	32.1	---	60.00	27.90	N	9.6