Prüfbericht-Nr.: *Test report no.*:	**CN25WZ4N 001**	**Auftrags-Nr.:** *Order no.*:	168562201	**Page 1 of 23** *Seite 1 von 23*
Kunden-Referenz-Nr.: *Client reference no.*:	N/A	**Auftragsdatum:** *Order date:*	2025-06-17	
Auftraggeber: *Client*:	**SHOKZ (SINGAPORE) PTE. LTD.** 11 NORTH BUONA VISTA DRIVE, #16-09 THE METROPOLIS, SINGAPORE 138589, Singapore			
Prüfgegenstand: *Test item*:	OpenSwim Pro			
Bezeichnung / Typ-Nr.: *Identification / Type no.*:	SHOKZ S711 (Trademark: SHOKZ)			
Auftrags-Inhalt: *Order content*:	Type test			
Prüfgrundlage: *Test specification*:	CFR47 FCC Part 15: Subpart C Section 15.247 CFR47 FCC Part 15: Subpart C Section 15.209		RSS-247 Issue 3 August 2023 RSS-Gen Issue 5 February 2021	

Wareneingangsdatum: *Date of sample receipt*:	2025-07-02	Refer to photos document
Prüfmuster-Nr.: *Test sample no:*	A004033709	
Prüfzeitraum: *Testing period*:	2025-07-03 – 2025-07-28	
Ort der Prüfung: *Place of testing*:	TÜV Rheinland (Shenzhen) Co., Ltd.	
Prüflaboratorium: *Testing laboratory:*	TÜV Rheinland (Shenzhen) Co., Ltd.	
Prüfergebnis*: *Test result**:	Pass	

geprüft von: tested by:	x Signed by: Harry W. C. Wu	**genehmigt von:** *authorized by*:	x Signed by: Alex Lan
Datum: *Date:* 2025-09-04		**Ausstellungsdatum:** *Issue date:* 2025-09-04	
Stellung / Position:	Project Manager	**Stellung** / Position:	Authorizer

Sonstiges / *Other*: FCC ID: 2BCD6-S711
IC: 31129-S711 HVIN: SHOKZ S711

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

* Legende:	P(ass) = entspricht o.g. Prüfgrundlage(n)	F(ail) = entspricht nicht o.g. Prüfgrundlage(n)	N/A = nicht anwendbar	N/T = nicht getestet
** Legend:*	*P(ass) = passed a.m. test specification(s)*	*F(ail) = failed a.m. test specification(s)*	*N/A = not applicable*	*N/T = not tested*

Remarks
Anmerkungen

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

Test Summary

5.1.1 ANTENNA REQUIREMENT
RESULT: Pass

5.1.2 MAXIMUM 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

Contents

1 General Remarks

1.1 Complementary Materials

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

Appendix A: Photographs of the Test Set-up

Appendix B: Test Results of 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.

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**
Wireless Connectivity Tester	R&S	CMW270	101375	25.09.2025
Signal Analyzer	R&S	FSV 40	101441	25.09.2025
Vector Signal Generator	R&S	SMBV100A	263301	25.09.2025
Signal Generator	R&S	SMB100A	115186	25.09.2025
OSP	R&S	OSP 150	101017	30.10.2025
Control PC	DELL	OptiPlex 7050	FTJZ9P2	N/A
Test Software	R&S	WMS32 (V11.00.00)	N/A	N/A
Power Meter	R&S	NRP2	107105	30.10.2025
Power Sensor	R&S	NRP-Z81	105677	25.09.2025
High Low Temperature Test Chamber	KOWINTEST	TH-30FJX	KW-21040497	25.09.2025
Shielding Room	Albatross	SR1	APC17151-SR1	13.09.2027
Unwanted Emission Testing				
Equipment	**Manufacturer**	**Model**	**Serial No.**	**Cal. until**
EMI Test Receiver	R&S	ESR 7	102021	28.09.2025
Signal Analyzer	R&S	FSV 40	101439	28.09.2025
System Controller Interface	R&S	SCI-100	S10010038	N/A
Filterbank	R&S	Wlan	100759	28.09.2025
OSP	R&S	OSP 120	102040	N/A
Pre-amplifier	R&S	SCU08F1	08320031	28.09.2025
Amplifier	R&S	SCU-18F	180070	28.09.2025
Amplifier	R&S	SCU40A	100475	28.09.2025
Trilog Broadband Antenna (30 MHz - 7 GHz)	Schwarzbeck	VULB 9162	193	27.09.2026
Double-Ridged Antenna (1 -18 GHz)	ETS-LINDGREN	3117	00218717	27.09.2026
Wideband Ridged Horn Antenna (18-40 GHz)	Steatite	QMS-00880	19067	27.09.2026
Active Loop Antenna	Schwarzbeck	FMZB 1513	302	27.09.2026
Test software	R&S	EMC32 (V10.60.10)	N/A	N/A
Control PC	Dell	OptiPlex 7050	36NV9P2	N/A
3m Semi-Anechoic Chamber	Albatross	SAC-3m	APC17151-SAC	13.09.2027

2.3 Traceability

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

2.4 Calibration

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

2.5 Measurement Uncertainty

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

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

2.6 Location of Original Data

The original copies of all test data taken during actual testing were attached at Appendix A & B of this report and delivered to the applicant. A copy has been retained in the TÜV Rheinland (Shenzhen) file for certification follow-up purposes.

2.7 Status of Facility Used for Testing

The TÜV Rheinland (Shenzhen) Co., Ltd. Test facility located at 2-3F, 101 & 102, No.2, Nuclear Power Industrial Park, Fuming Community, Fucheng Street, Longhua District, Shenzhen 518000, People's Republic of China is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

3 General Product Information

3.1 Product Function and Intended Use

The EUT is Bluetooth Headset, which supports Bluetooth dual mode technology and wireless charging (WPT receiver) function.

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	OpenSwim Pro
Type Designation	SHOKZ S711
Trademark	SHOKZ
FCC ID	2BCD6-S711
IC	31129-S711
HVIN	SHOKZ S711
Extreme Temperature Range	0ºC to +40ºC
Operating Voltage	DC 5V via wireless charging base DC 3.85V, 160mA hvia built-in Li-ion battery
Technical Specification of Classic Bluetooth	
Operating Frequency band	2402 ~ 2480 MHz
Channel Number	79 channels
Channel separation	1MHz
Modulation	GFSK, π/4DQPSK, 8DPSK
Antenna Type	Integral Antenna
Antenna Gain	-0.5 dBi for (Provided by the Client)
Technical Specification of Bluetooth Low Energy	
Operating Frequency band	2402 – 2480 MHz
Channel Number	40 channels
Channel separation	2MHz
Data rate	1Mbps, 2Mbps
Modulation	GFSK
Antenna Type	Integral Antenna
Antenna Gain	-0.5 dBi for (Provided by the Client)

Table 3: RF Channel and Frequency of Classic Bluetooth

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

Table 4: RF Channel and Frequency of Bluetooth Low Energy

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

3.3 Independent Operation Modes

The basic operation modes are:

A. On
   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: 2013.

4.3 Special Accessories and Auxiliary Equipment

Table 5: List of Accessories and Auxiliary Equipment

Description	Manufacturer	Model	S/N or Rating
Laptop	Lenovo	T480	PF-16A6N8

4.4 Countermeasures to Achieve EMC Compliance

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

No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

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

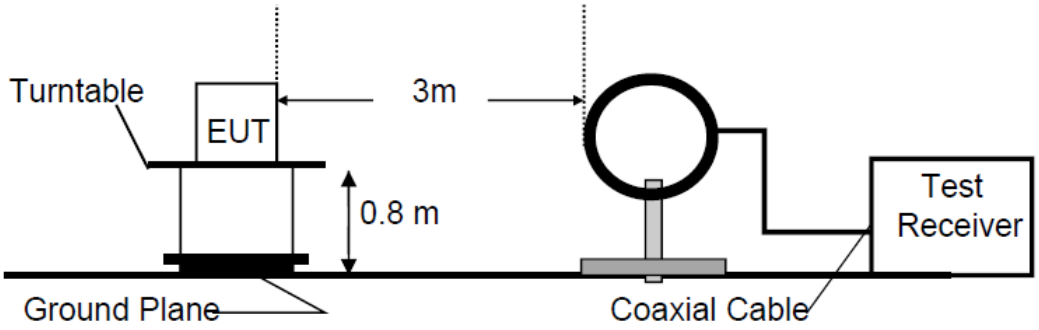


Diagram of Measurement Configuration for Radiation Test (Below 1GHz)

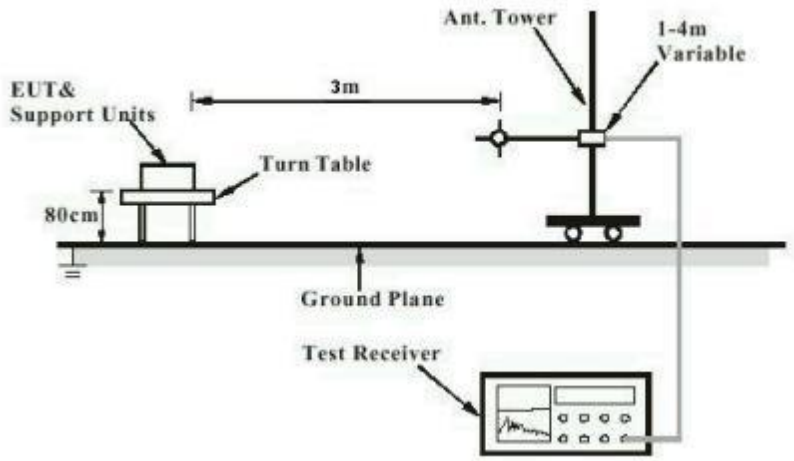


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

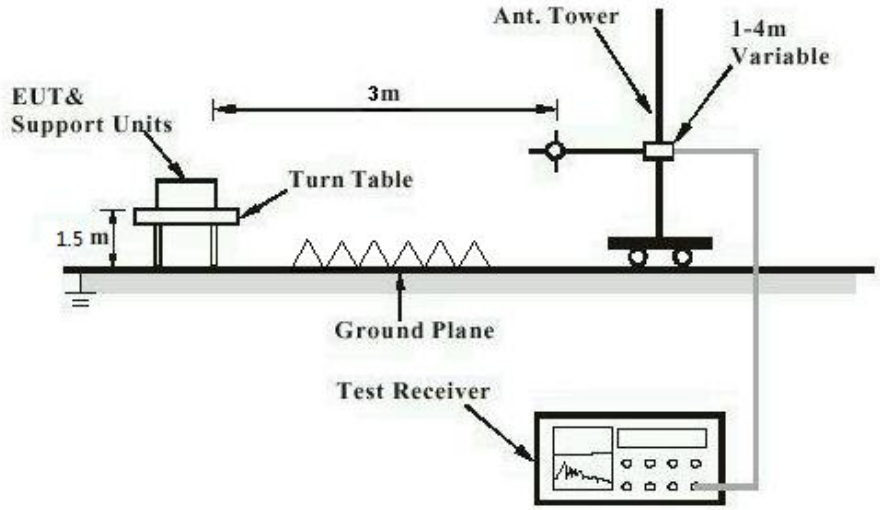
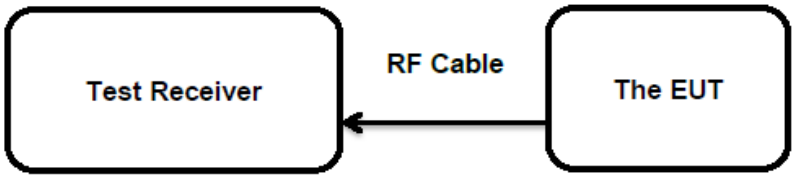


Diagram of Measurement Configuration for Conducted Transmitter Measurement



5 Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT: **Pass**

Test Specification

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

According to the manufacturer declared, the EUT has one FPC antenna, the directional gain of antennas is -0.5 dBi, and the antenna connector is designed with permanent attachment and no consideration of replacement. Therefore the EUT is considered sufficient to comply with the provision.

Refer to EUT Photo for further details.

5.1.2 Maximum 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 peak conducted output power) < 4 W (e.i.r.p.)
Kind of test site	Shielded Room

Test Setup

Date of testing	2025-07-03 to 2025-07-28
Input voltage	DC 3.85V
Operation mode	A.1
Test channel	Low / Middle / High
Ambient temperature	24.8 ℃
Relative humidity	55 %
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	-0.6	0.00087	< 0.125
	2441	-0.4	0.00091	
	2480	-0.7	0.00085	
EDR	2402	0.6	0.00115	
	2441	0.8	0.00120	
	2480	0.4	0.00110	
Maximum Measured Value		0.8	0.00120	

Note: The cable loss is taken into account in results and the maximum e.i.r.p. is 0.3dBm less than 4W(36dBm).

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	:	2025-07-03 to 2025-07-28
Input voltage	:	DC 3.85V
Operation mode	:	A.1
Test channel	:	Low / Middle / High
Ambient temperature	:	24.8 ℃
Relative humidity	:	55 %
Atmospheric pressure	:	101 kPa

For the measurement records, refer to the appendix B

Table 7: Test Result of 99% Bandwidth

Test Mode	Channel Frequency (MHz)	Measured 99% Bandwidth (MHz)	Limit
BR	2402	0.860	/
	2441	0.860	
	2480	0.865	
EDR	2402	1.180	/
	2441	1.180	
	2480	1.175	

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

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	:	2025-07-03 to 2025-07-28
Input voltage	:	DC 3.85V
Operation mode	:	A.1
Test channel	:	Low / Middle / High
Ambient temperature	:	24.8 ℃
Relative humidity	:	55 %
Atmospheric pressure	:	101 kPa

Test results of 100kHz Bandwidth of Frequency Band Edge by Conducted method refer to following test plot, and compliance is achieved as well.

For the measurement records, refer to the appendix B

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	:	2025-07-03 to 2025-07-28
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

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	:	2025-07-03 to 2025-07-28
Input voltage	:	DC 3.85V
Operation mode	:	A.1
Test channel	:	Low / Middle / High
Ambient temperature	:	24.8 ℃
Relative humidity	:	55 %
Atmospheric pressure	:	101 kPa

For the measurement records, refer to the appendix B

Table 8: Test Result of -20dB Bandwidth

Test Mode	Channel Frequency (MHz)	20dB Bandwidth (MHz)	2/3 of 20dB Bandwidth (MHz)	Limit (MHz)
BR	2402	0.925	0.617	/
	2441	0.925	0.617	
	2480	0.925	0.617	
EDR	2402	1.250	0.833	/
	2441	1.255	0.837	
	2480	1.235	0.823	

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	:	≥ 25kHz or 2/3 of 20dB bandwidth, whichever is greater
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	2025-07-03 to 2025-07-28
Input voltage	:	DC 3.85V
Operation mode	:	B
Test channel	:	Low / Middle / High
Ambient temperature	:	24.8 ℃
Relative humidity	:	55 %
Atmospheric pressure	:	101 kPa

For the measurement records, refer to the appendix B

Table 9: Test Result of Carrier Frequency Separation

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.0036	0.617	PASS
3DH5	Ant1	Hop	1.0036	0.823	PASS

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	:	2025-07-03 to 2025-07-28
Input voltage	:	DC 3.85V
Operation mode	:	B
Ambient temperature	:	24.8 ℃
Relative humidity	:	55 %
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

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	:	2025-07-03 to 2025-07-28
Input voltage	:	DC 3.85V
Operation mode	:	B
Test channel	:	Low / Middle / High
Ambient temperature	:	24.8 ℃
Relative humidity	:	55 %
Atmospheric pressure	:	101 kPa

For the measurement records, refer to the appendix B .

6 Photographs of the Test Set-Up

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

7 List of Tables

Appendix B: Test Results of Classic Bluetooth

Appendix B.1: Test Results of 99% Bandwidth

BR mode (GFSK)

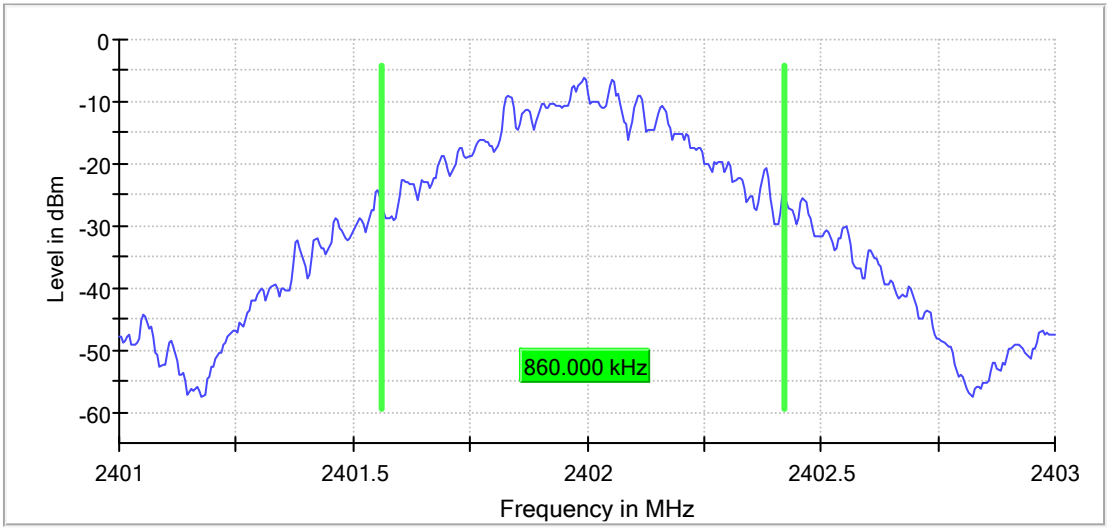
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	0.860000	---	---	2401.562500	2402.422500

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2402.000000	PASS

99 % Bandwidth



RBW=10kHz, VBW=30kHz

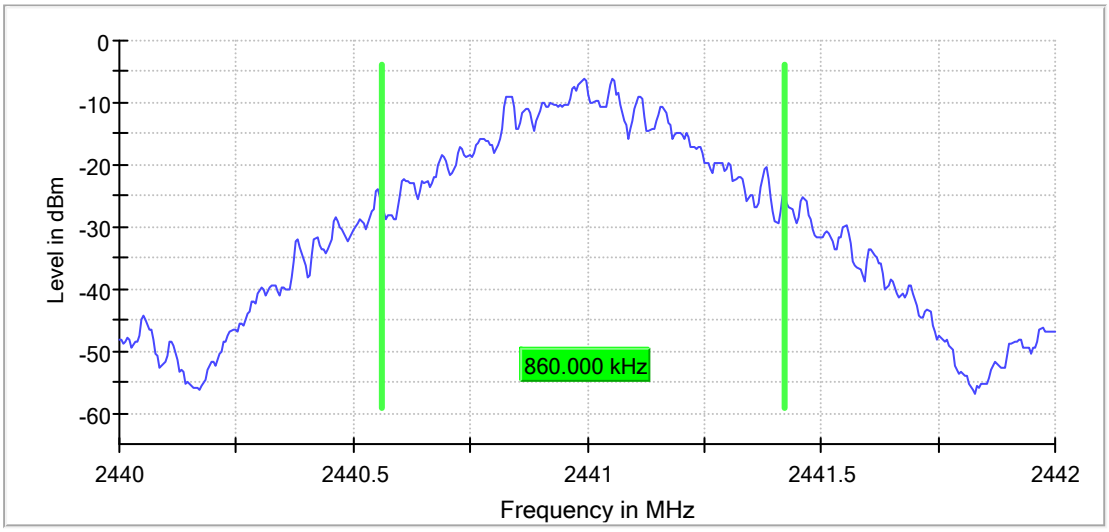
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2441.000000	0.860000	---	---	2440.562500	2441.422500

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2441.000000	PASS

99 % Bandwidth



RBW=10kHz, VBW=30kHz

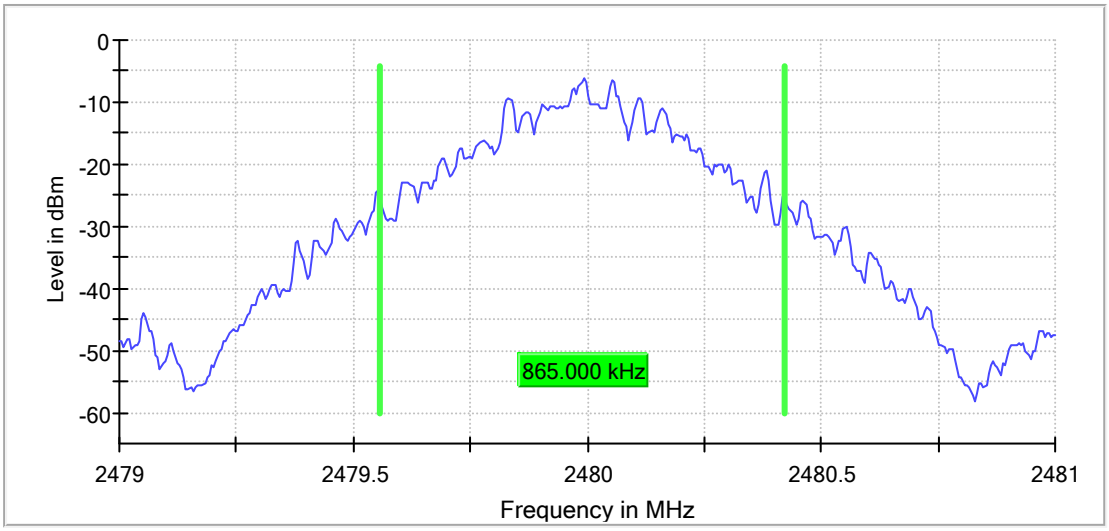
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2480.000000	0.865000	---	---	2479.557500	2480.422500

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2480.000000	PASS

99 % Bandwidth



RBW=10kHz, VBW=30kHz

EDR mode (8DPSK)

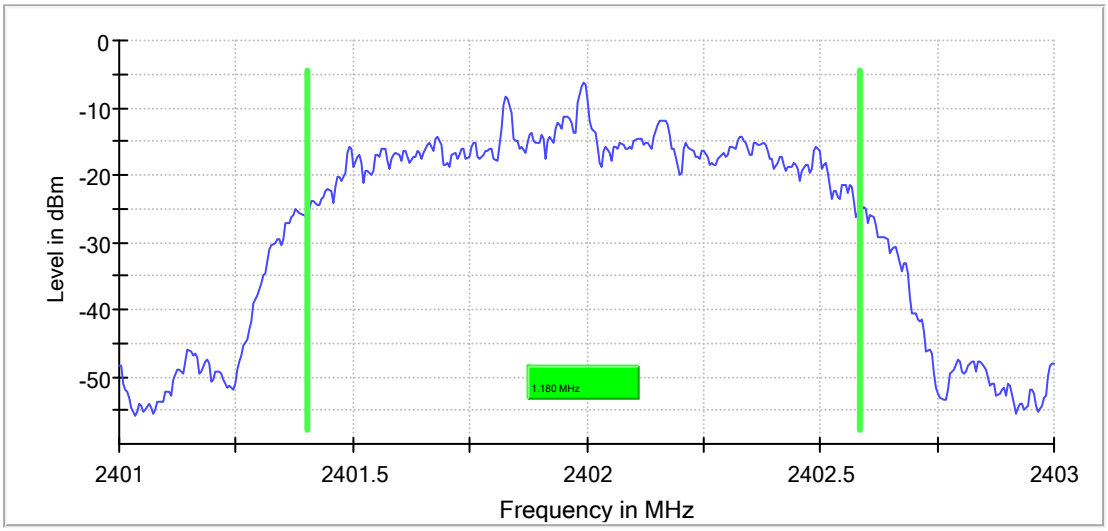
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	1.180000	---	---	2401.402500	2402.582500

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2402.000000	PASS

99 % Bandwidth



RBW=30kHz, VBW=100kHz

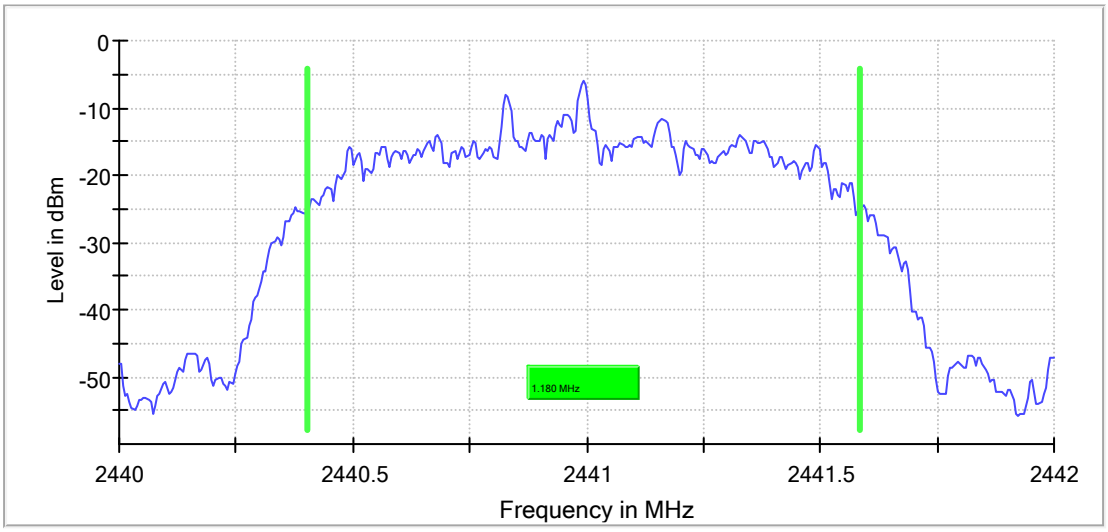
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2441.000000	1.180000	---	---	2440.402500	2441.582500

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2441.000000	PASS

99 % Bandwidth



RBW=30kHz, VBW=100kHz

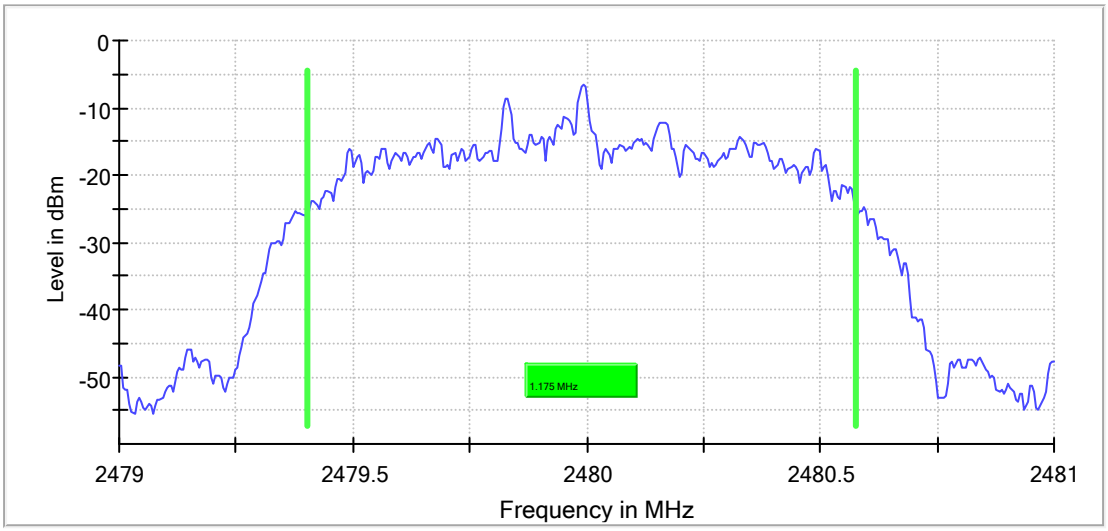
99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2480.000000	1.175000	---	---	2479.402500	2480.577500

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Result
2480.000000	PASS

99 % Bandwidth



RBW=30kHz, VBW=100kHz

Appendix B.2: Test Results of 20dB Bandwidth

BR mode (GFSK)

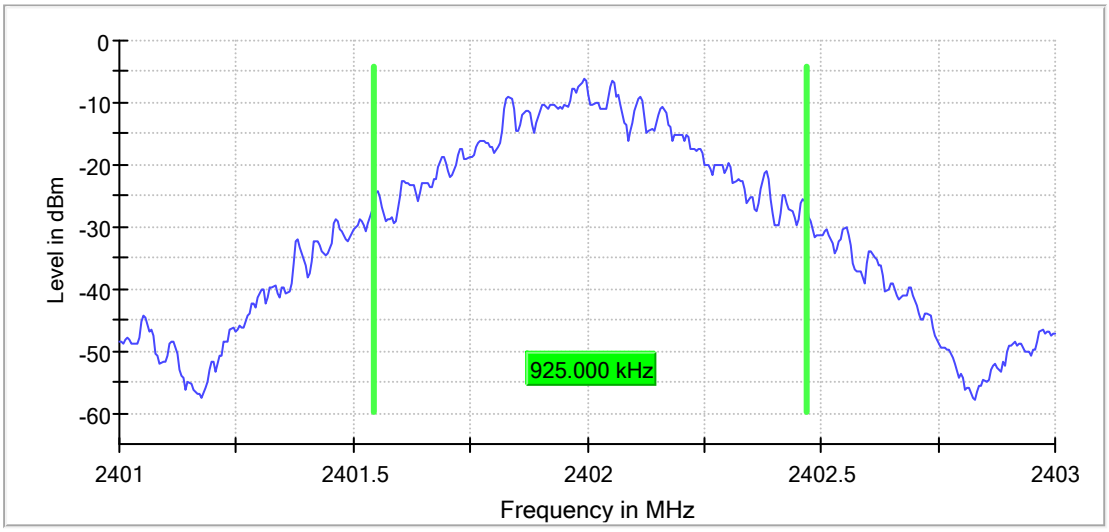
20 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	0.925000	---	---	2401.542500	2402.467500

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2402.000000	-6.2	PASS

20 dB Bandwidth



RBW=10kHz, VBW=30kHz

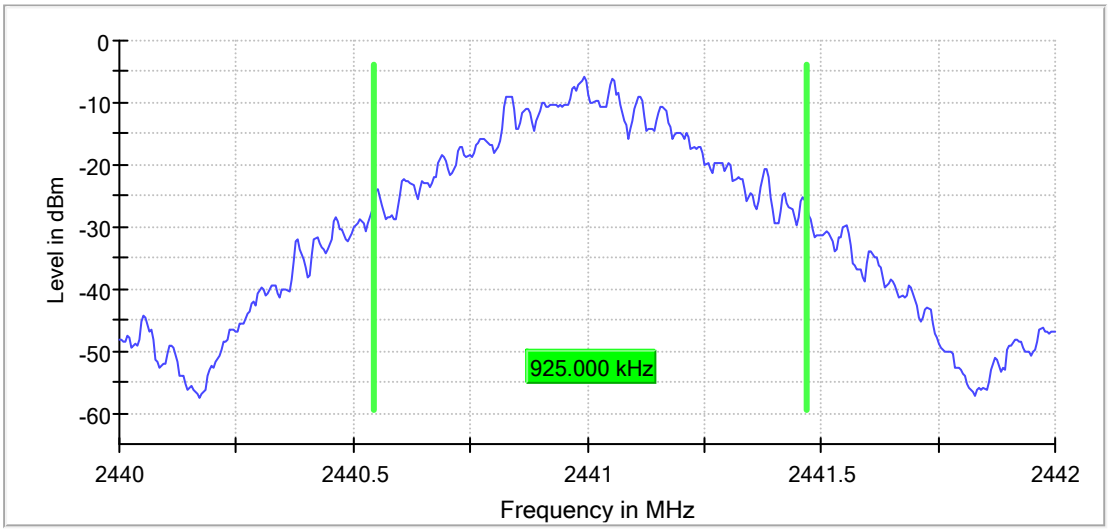
20 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2441.000000	0.925000	---	---	2440.542500	2441.467500

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2441.000000	-5.9	PASS

20 dB Bandwidth



RBW=10kHz, VBW=30kHz

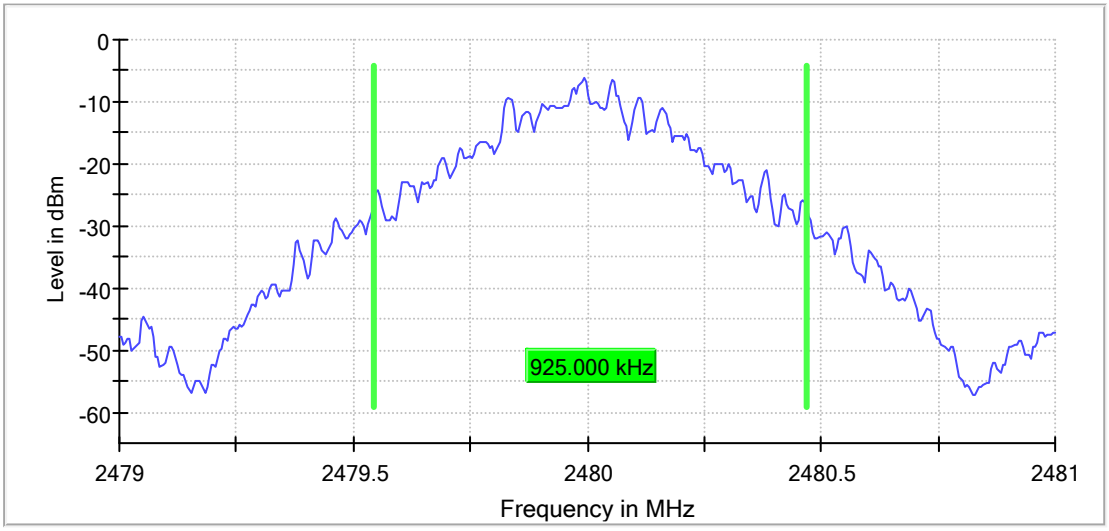
20 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2480.000000	0.925000	---	---	2479.542500	2480.467500

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2480.000000	-6.3	PASS

20 dB Bandwidth



RBW=10kHz, VBW=30kHz

EDR mode (8DPSK)

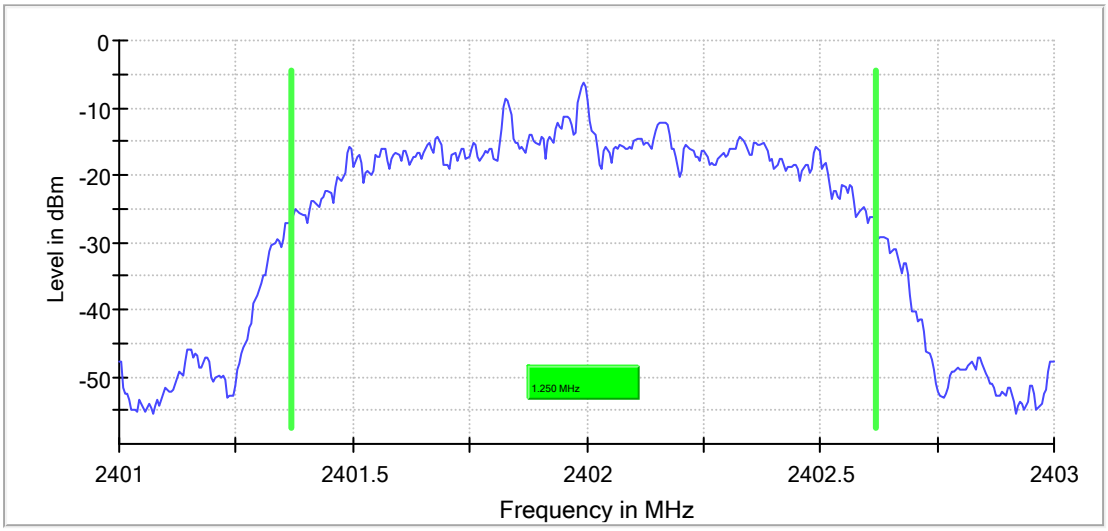
20 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	1.250000	---	---	2401.367500	2402.617500

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2402.000000	-6.4	PASS

20 dB Bandwidth



RBW=30kHz, VBW=100kHz

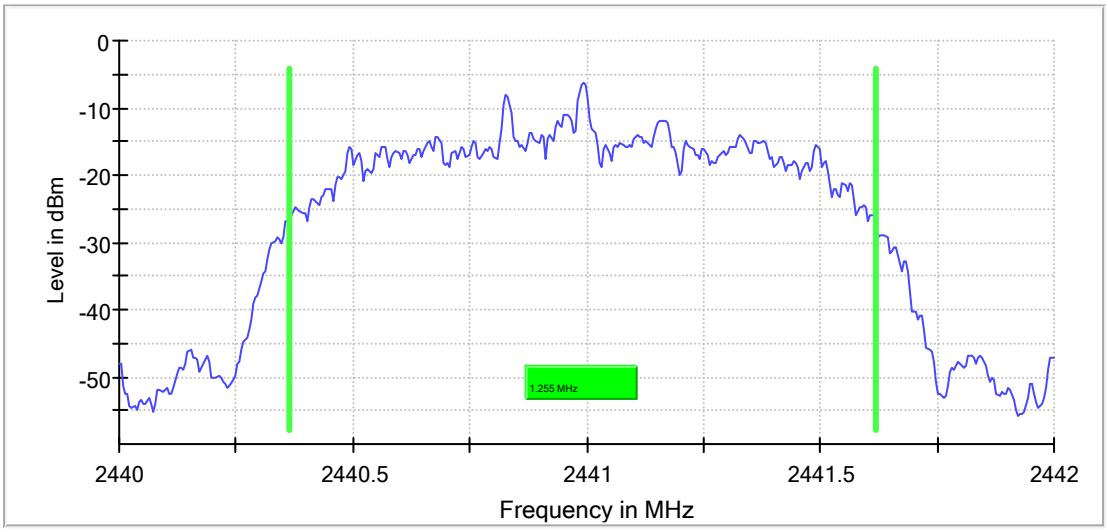
20 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2441.000000	1.255000	---	---	2440.362500	2441.617500

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2441.000000	-6.1	PASS

20 dB Bandwidth



RBW=30kHz, VBW=100kHz

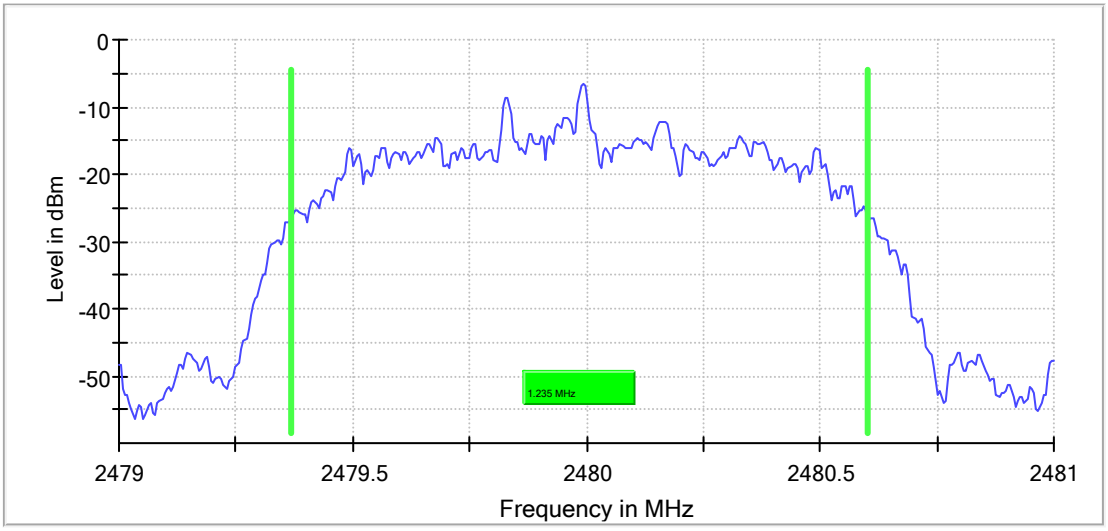
20 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2480.000000	1.235000	---	---	2479.367500	2480.602500

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2480.000000	-6.5	PASS

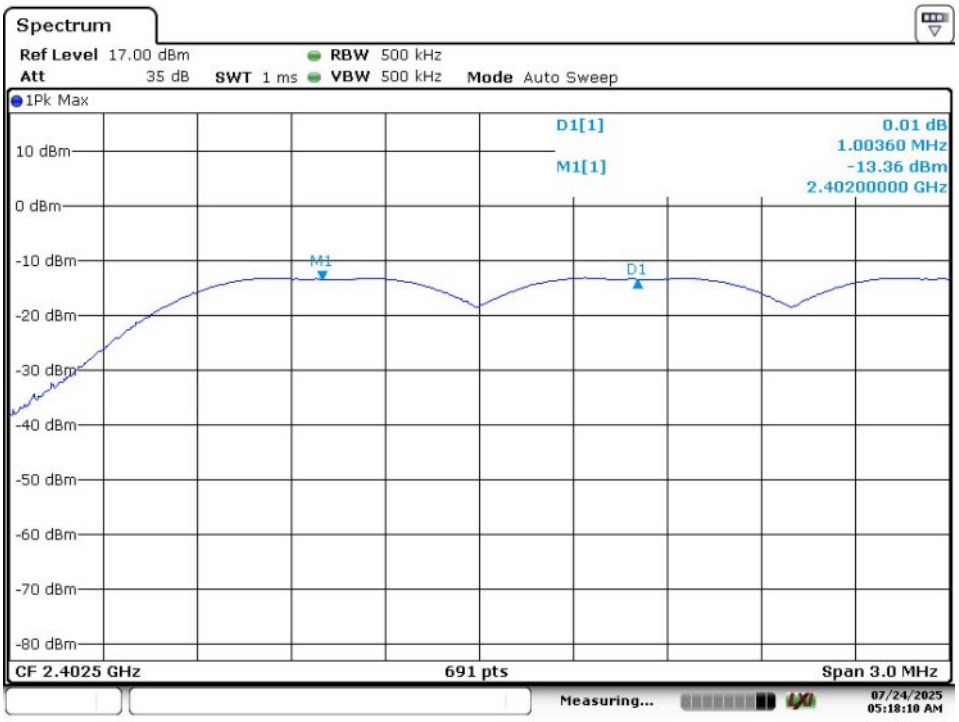
20 dB Bandwidth



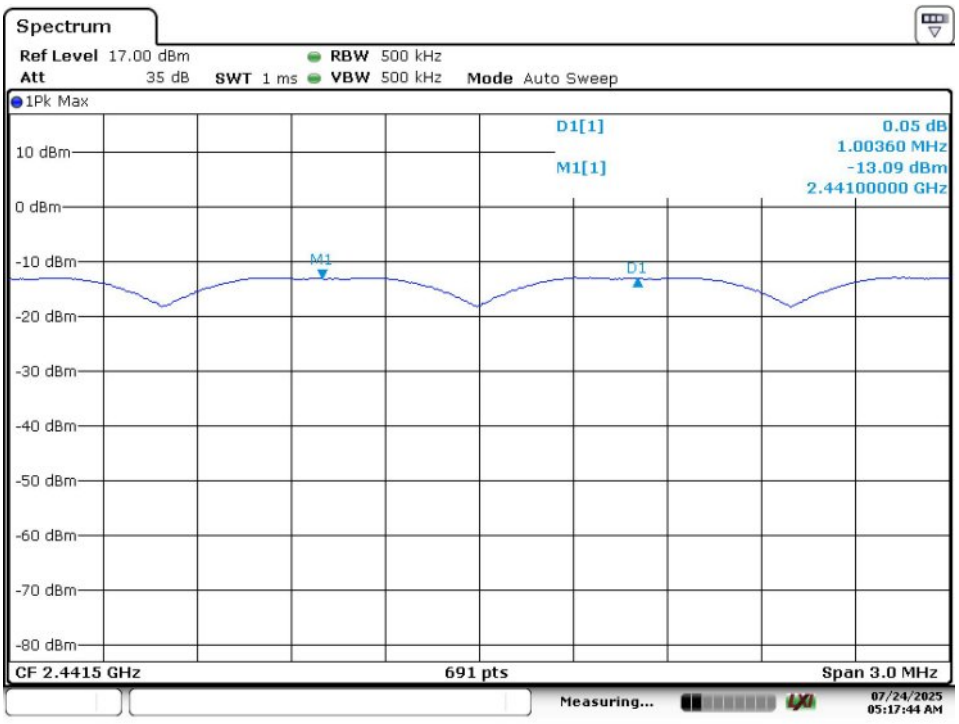
RBW=30kHz, VBW=100kHz

Appendix B.3: Test Results of Carrier Frequency Separation

BR mode (GFSK)



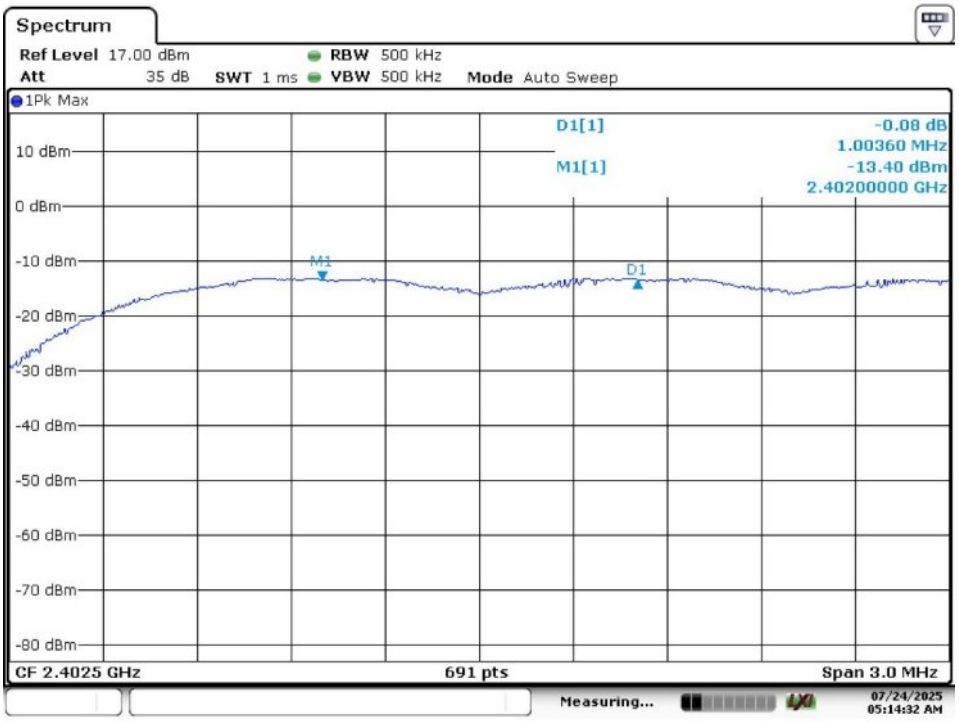
Date: 24.JUL.2025 05:18:10



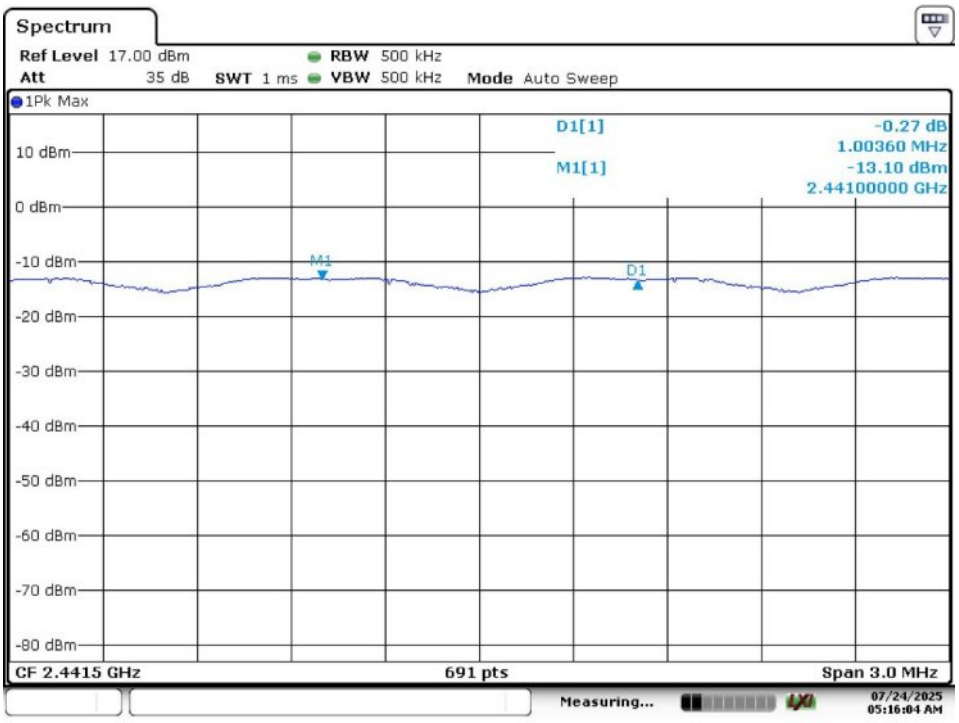
Date: 24.JUL.2025 05:17:45

Date: 24.JUL.2025 05:17:22

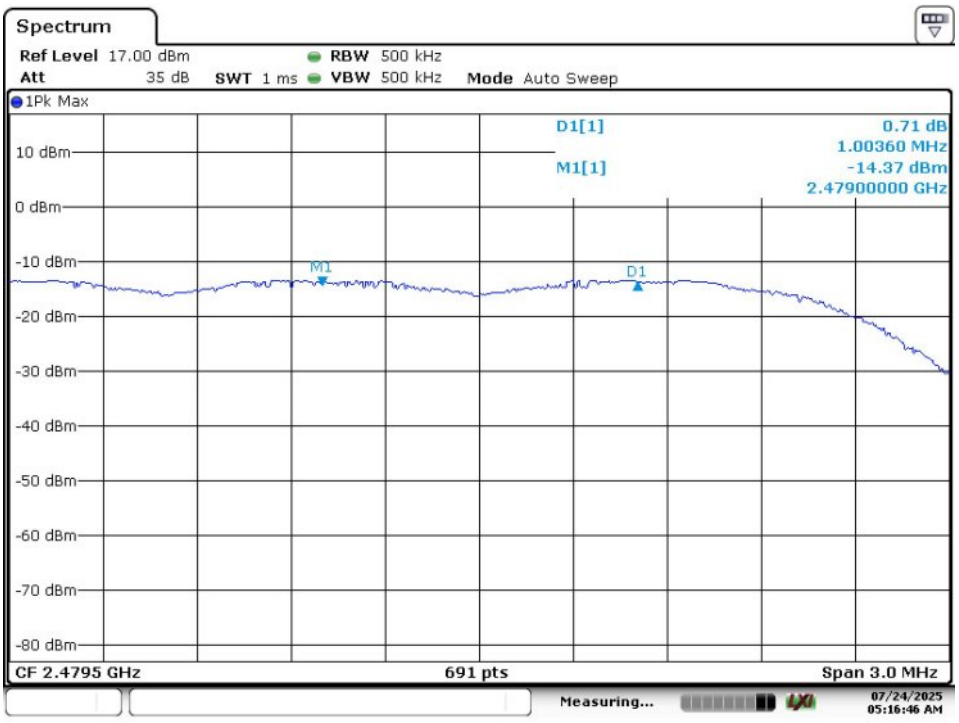
EDR mode (8DPSK)



Date: 24.JUL.2025 05:14:32



Date: 24.JUL.2025 05:16:04



Date: 24.JUL.2025 05:16:46

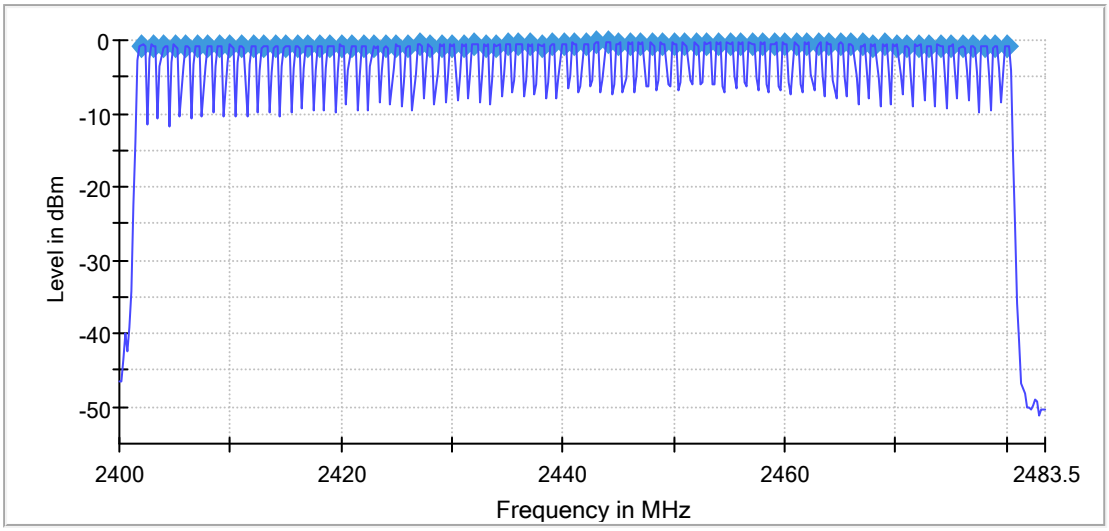
Appendix B.4: Test Results of Number of Hopping Frequency

BR mode (GFSK)

Channels

Channels	Limit Min	Limit Max	Result
79	15	---	PASS

Sequence



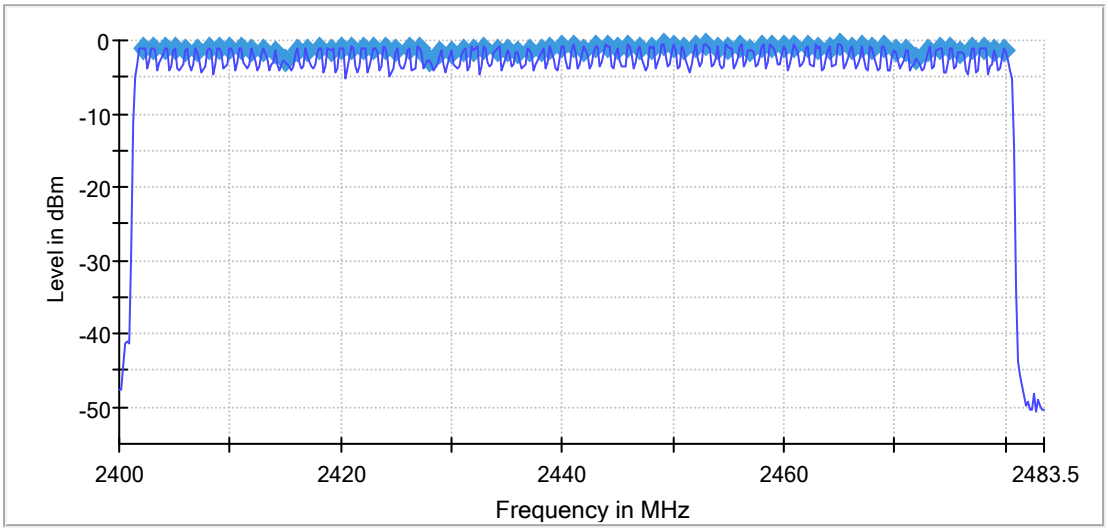
RBW=200kHz, VBW=200kHz

EDR mode (8DPSK)

Channels

Channels	Limit Min	Limit Max	Result
79	15	---	PASS

Sequence



RBW=200kHz, VBW=200kHz

Appendix B.5: Test Results of Time of Occupancy

BR mode (GFSK)

Result

DUT Frequency (MHz)	Result	Number of Hops	Average time of occupancy (ms)	Threshold (dBm)
2441.000000	PASS	318	125.740	-10.0

Periode

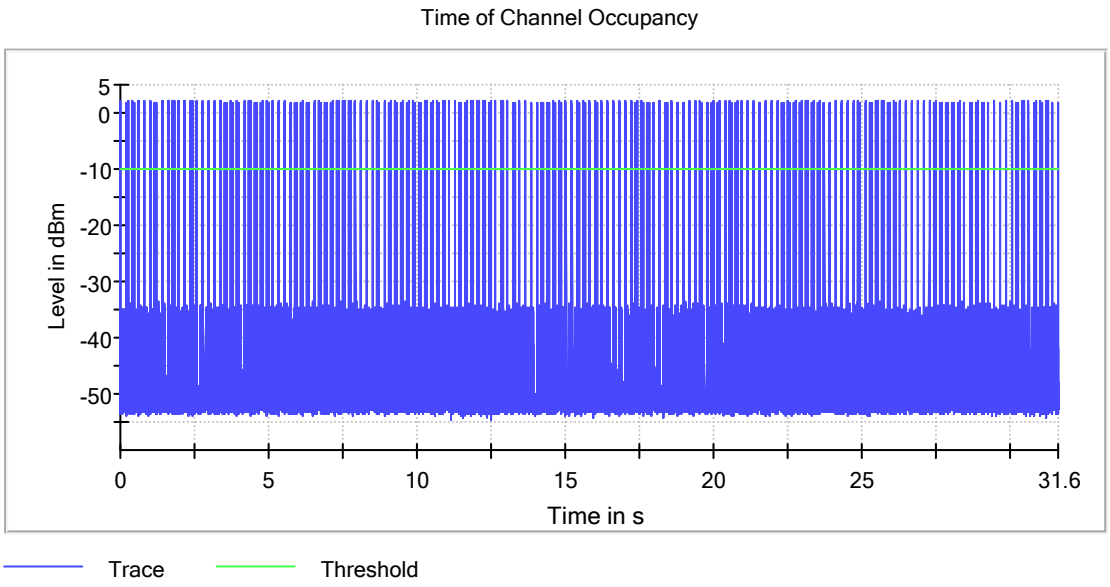
Min (ms)	Max (ms)	Mean (ms)
7.500	196.250	99.067

Transmit Time per Hop

Min (ms)	Max (ms)	Limit Max for Max (ms)	Limit Min for Max (ms)	Mean (ms)
0.39	0.78	400.000	0.000	0.394

DwellTime

Min (ms)	Max (ms)	Mean (ms)
0.39	1.640	0.397



RBW=500kHz, VBW=1000kHz

Result

DUT Frequency (MHz)	Result	Number of Hops	Average time of occupancy (ms)	Threshold (dBm)
2441.000000	PASS	163	270.530	-10.0

Periode

Min (ms)	Max (ms)	Mean (ms)
12.500	619.990	193.745

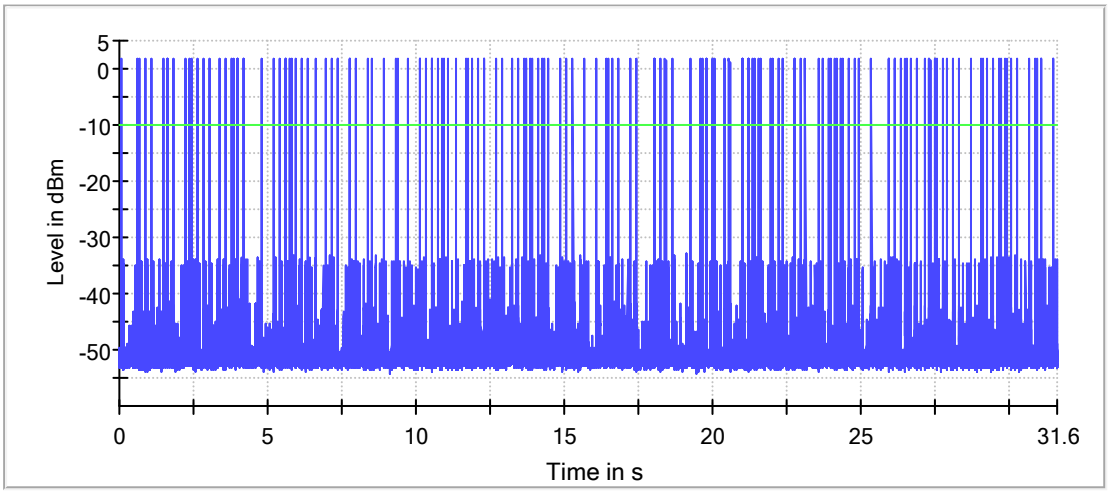
Transmit Time per Hop

Min (ms)	Max (ms)	Limit Max for Max (ms)	Limit Min for Max (ms)	Mean (ms)
1.640	1.650	400.000	0.000	1.650

DwellTime

Min (ms)	Max (ms)	Mean (ms)
1.640	1.650	1.650

Time of Channel Occupancy(2)



RBW=500kHz, VBW=1000kHz

Result

DUT Frequency (MHz)	Result	Number of Hops	Average time of occupancy (ms)	Threshold (dBm)
2441.000000	PASS	97	284.110	-10.0

Periode

Min (ms)	Max (ms)	Mean (ms)
7.500	1537.460	317.179

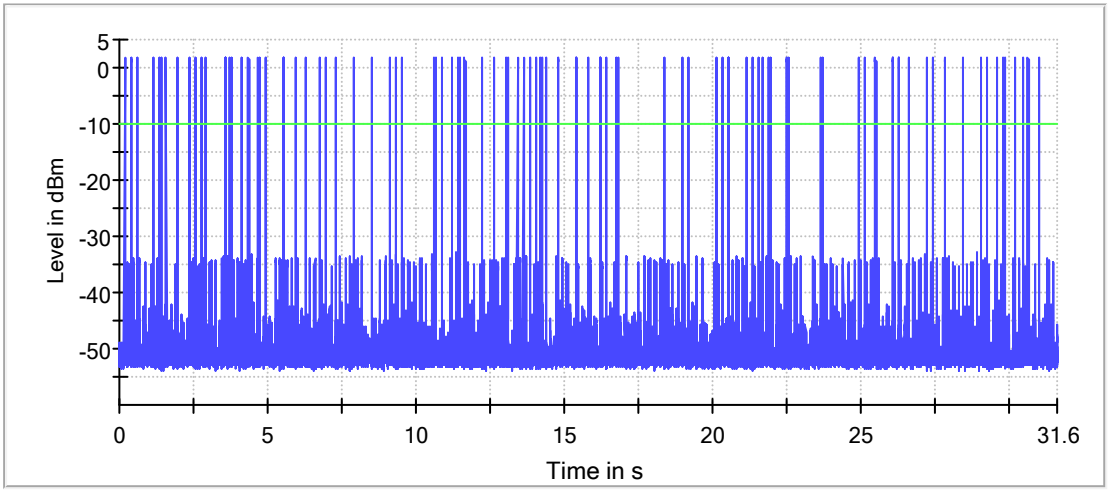
Transmit Time per Hop

Min (ms)	Max (ms)	Limit Max for Max (ms)	Limit Min for Max (ms)	Mean (ms)
2.890	2.900	400.000	0.000	2.899

DwellTime

Min (ms)	Max (ms)	Mean (ms)
2.890	2.900	2.899

Time of Channel Occupancy(3)



RBW=500kHz, VBW=1000kHz

EDR mode (8DPSK)

Result

DUT Frequency (MHz)	Result	Number of Hops	Average time of occupancy (ms)	Threshold (dBm)
2441.000000	PASS	317	122.760	-10.0

Periode

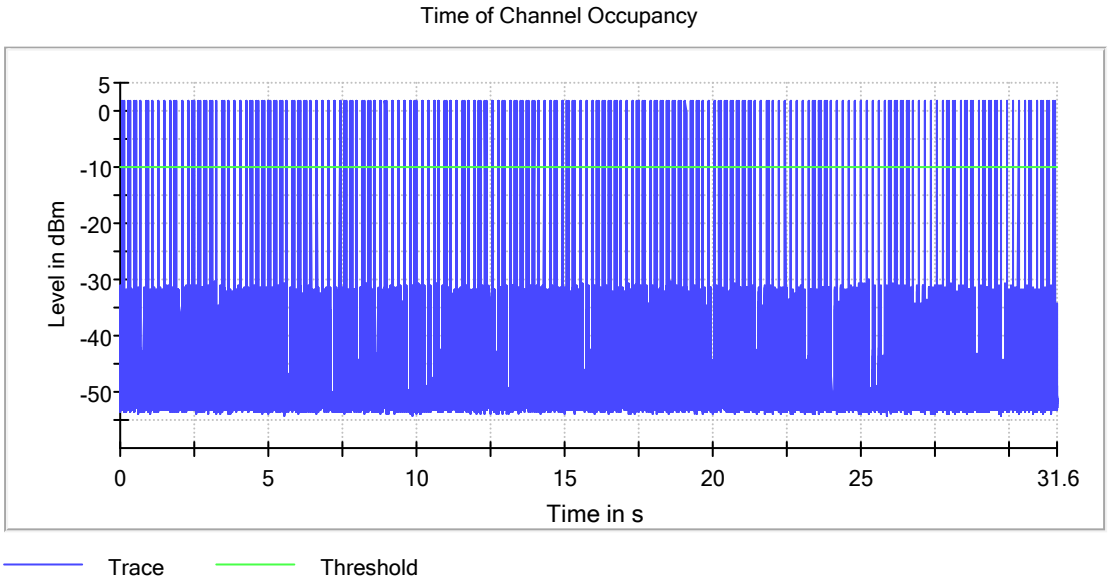
Min (ms)	Max (ms)	Mean (ms)
7.500	197.490	99.349

Transmit Time per Hop

Min (ms)	Max (ms)	Limit Max for Max (ms)	Limit Min for Max (ms)	Mean (ms)
0.34	0.74	400.000	0.000	0.386

DwellTime

Min (ms)	Max (ms)	Mean (ms)
0.39	1.650	0.409



RBW=500kHz, VBW=1000kHz

Result

DUT Frequency (MHz)	Result	Number of Hops	Average time of occupancy (ms)	Threshold (dBm)
2441.000000	PASS	164	259.190	-10.0

Periode

Min (ms)	Max (ms)	Mean (ms)
7.500	994.970	190.225

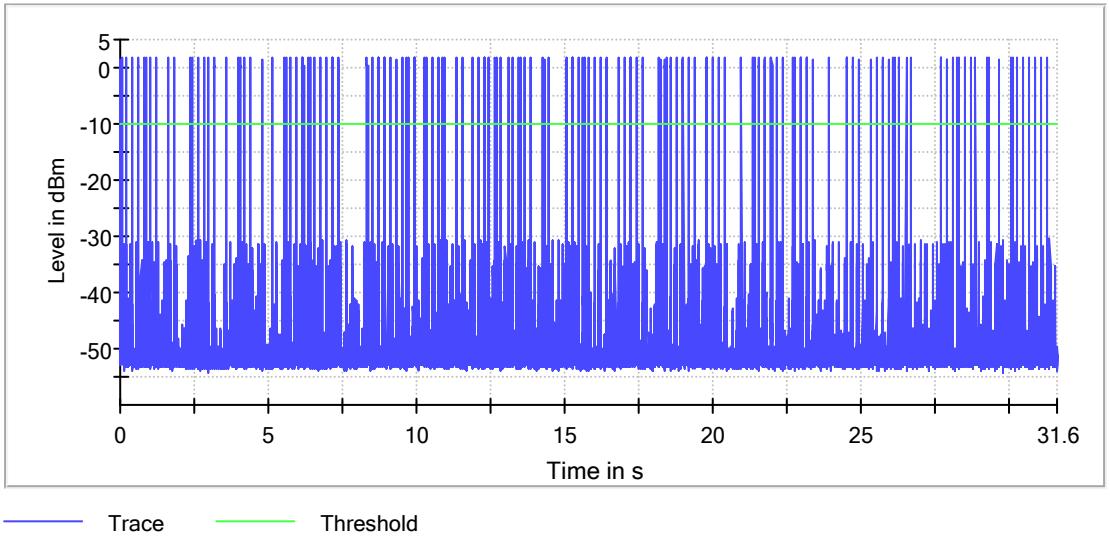
Transmit Time per Hop

Min (ms)	Max (ms)	Limit Max for Max (ms)	Limit Min for Max (ms)	Mean (ms)
1.500	1.630	400.000	0.000	1.571

DwellTime

Min (ms)	Max (ms)	Mean (ms)
1.620	1.660	1.651

Time of Channel Occupancy(2)



RBW=500kHz, VBW=1000kHz

Result

DUT Frequency (MHz)	Result	Number of Hops	Average time of occupancy (ms)	Threshold (dBm)
2441.000000	PASS	104	288.500	-10.0

Periode

Min (ms)	Max (ms)	Mean (ms)
15.000	1578.710	298.791

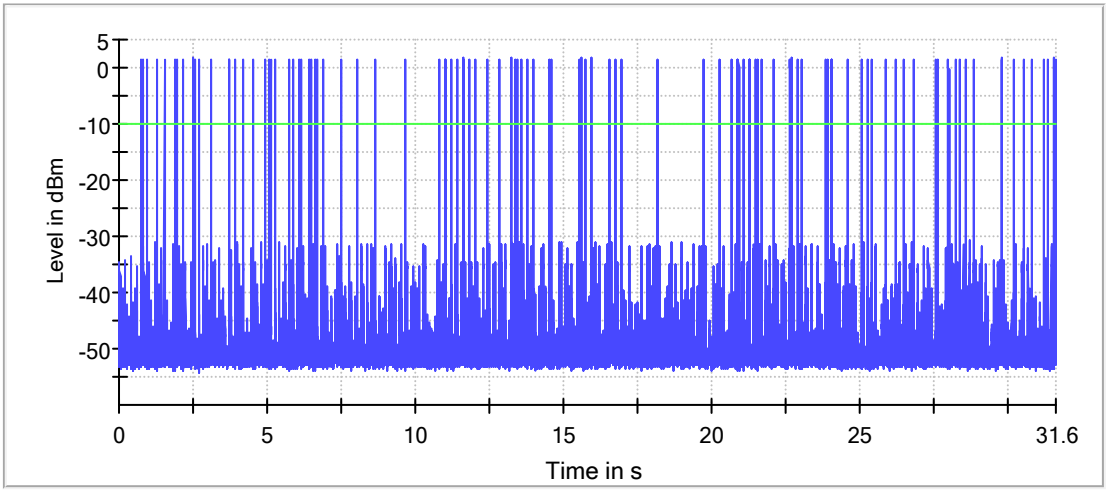
Transmit Time per Hop

Min (ms)	Max (ms)	Limit Max for Max (ms)	Limit Min for Max (ms)	Mean (ms)
2.670	2.800	400.000	0.000	2.748

DwellTime

Min (ms)	Max (ms)	Mean (ms)
2.900	2.910	2.904

Time of Channel Occupancy(3)

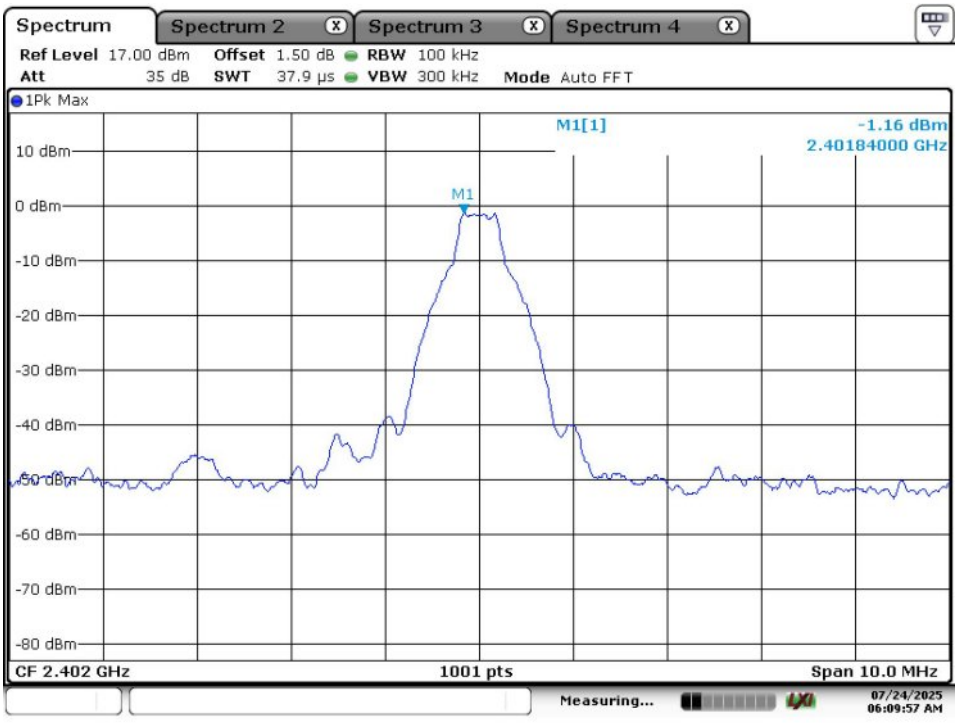


RBW=500kHz, VBW=1000kHz

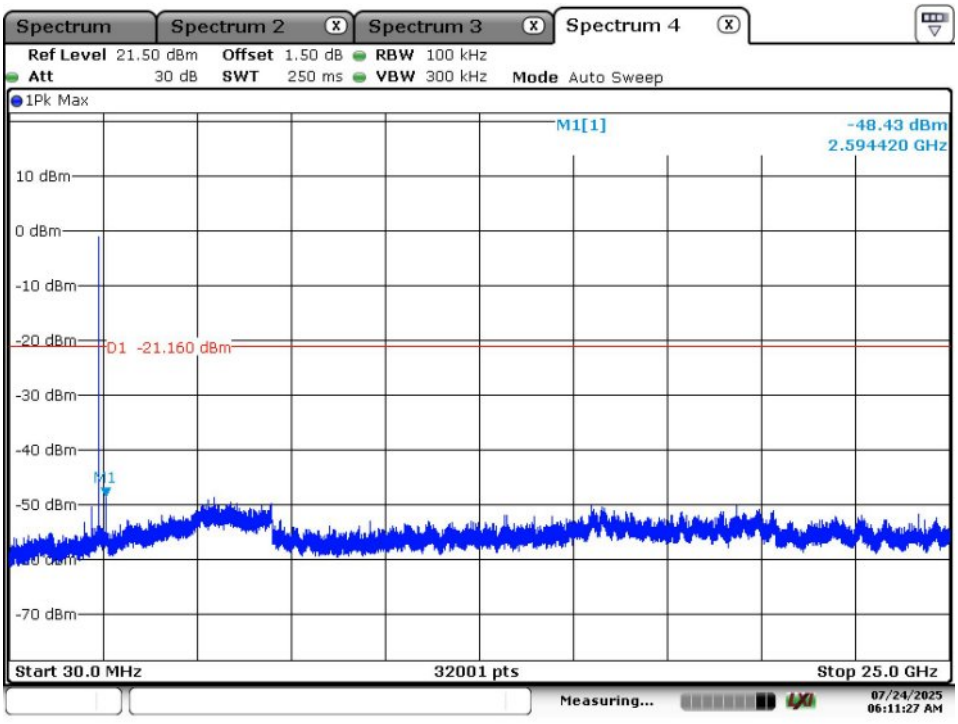
Appendix B.6: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

BR mode (GFSK)

Low Channel

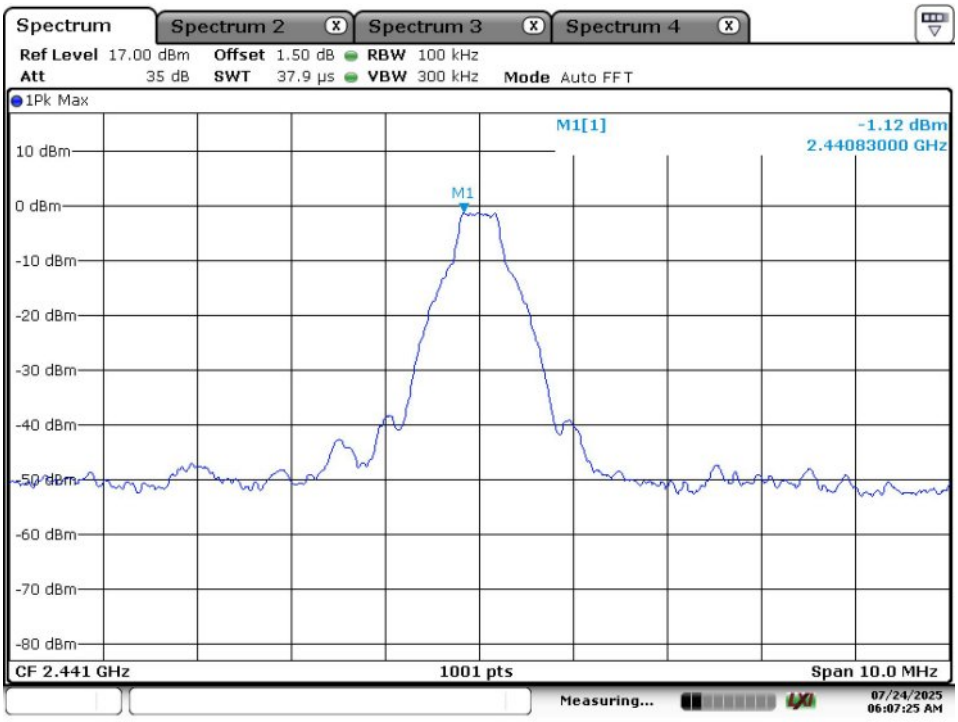


Date: 24.JUL.2025 06:09:58

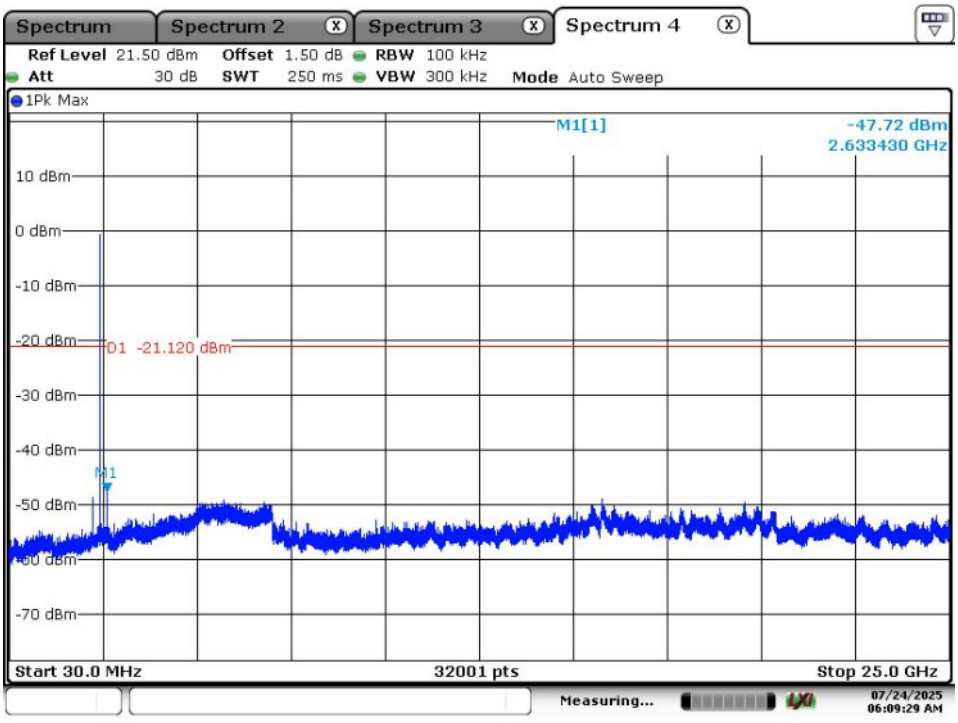


Date: 24.JUL.2025 06:11:27

Middle Channel

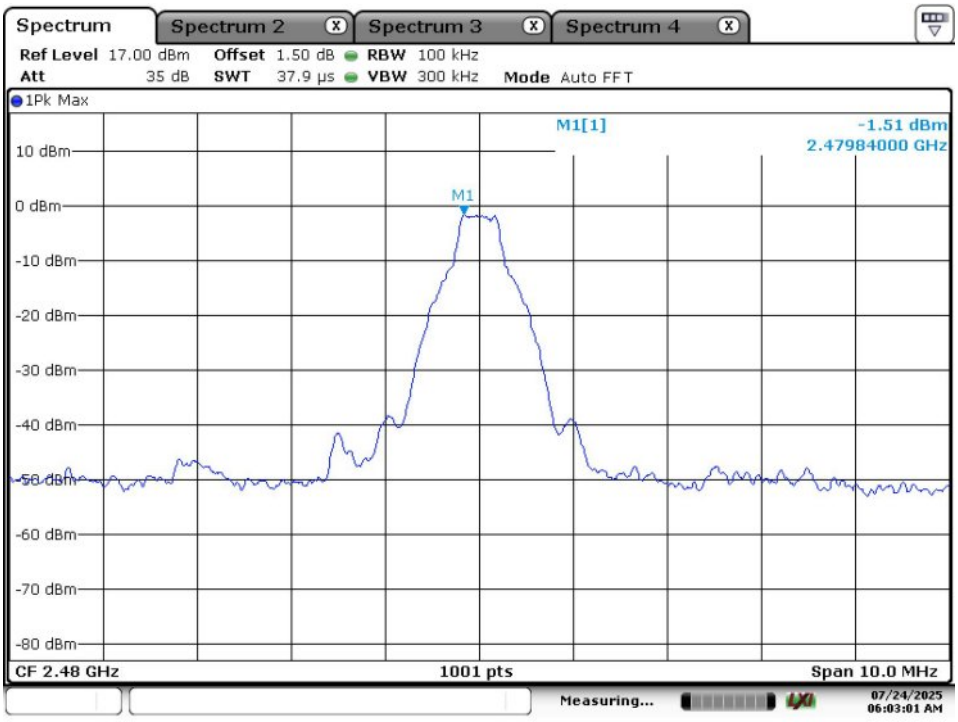


Date: 24.JUL.2025 06:07:25

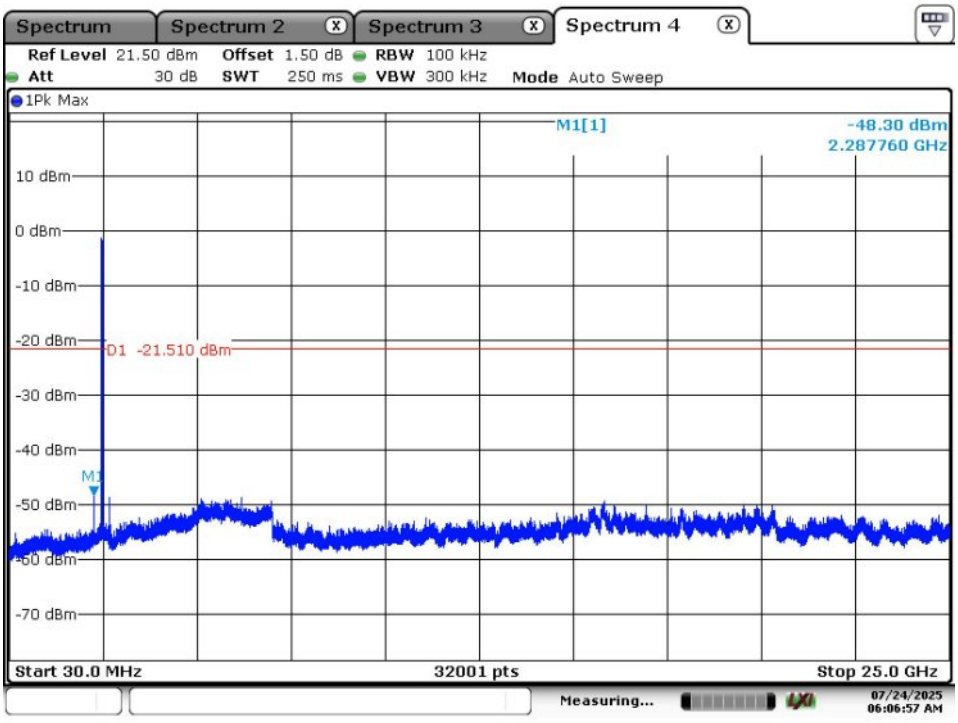


Date: 24.JUL.2025 06:09:29

High Channel

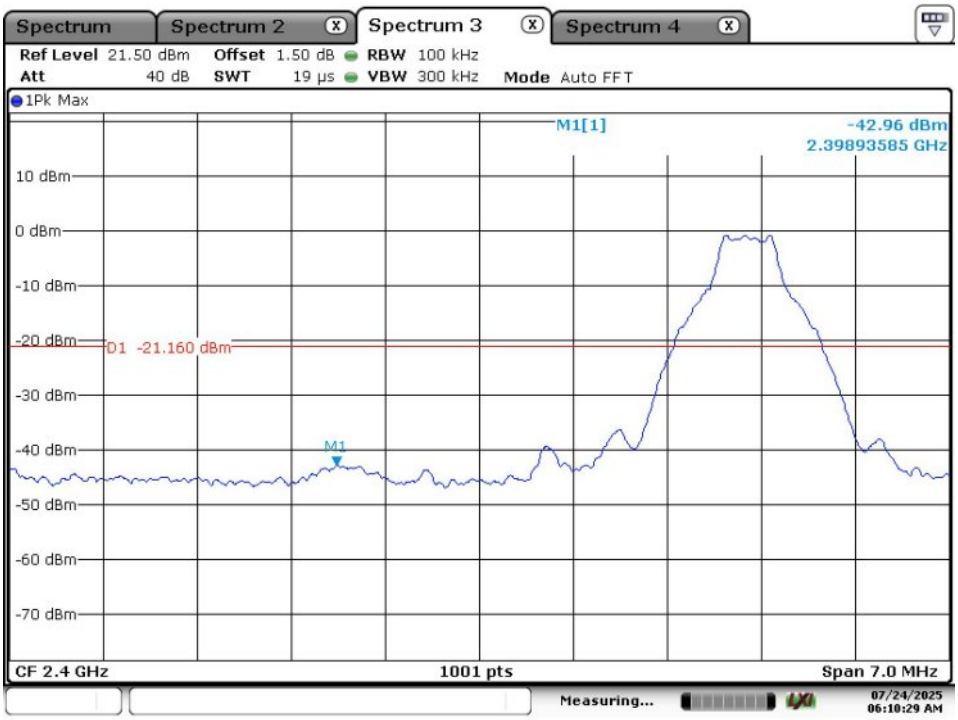


Date: 24.JUL.2025 06:03:01



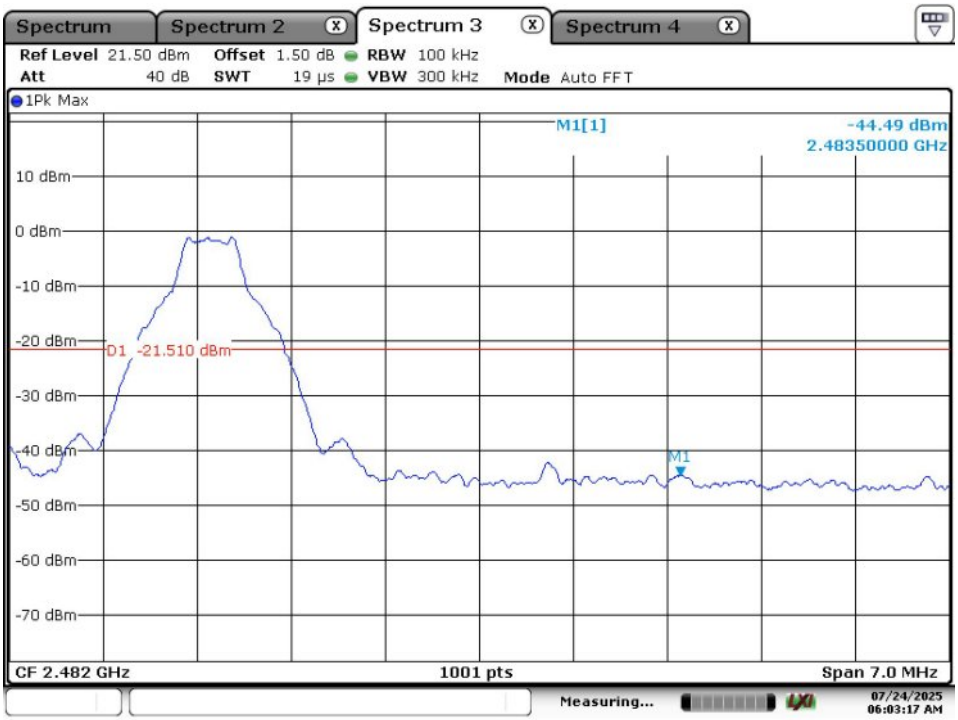
Date: 24.JUL.2025 06:06:57

Band Edge, Low Channel



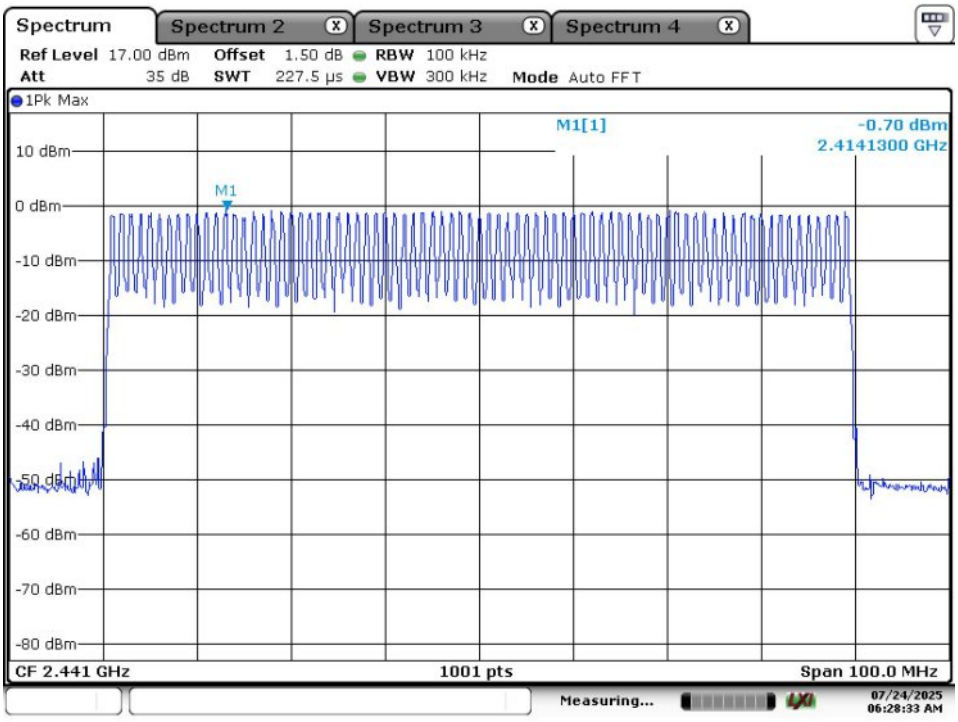
Date: 24.JUL.2025 06:10:29

Band Edge, High Channel

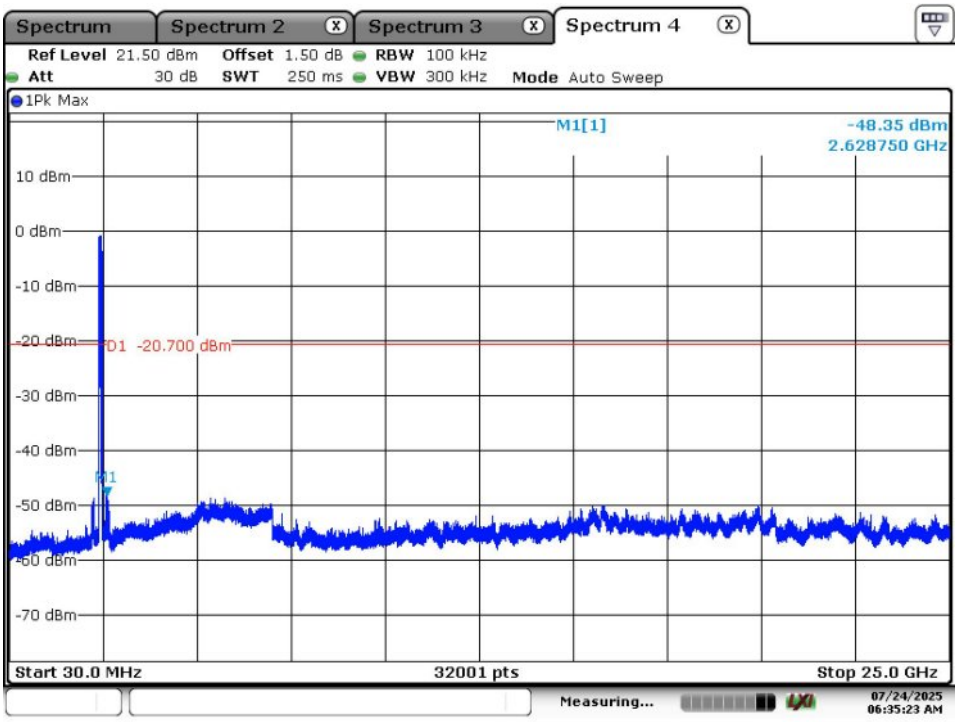


Date: 24.JUL.2025 06:03:18

Hopping Mode

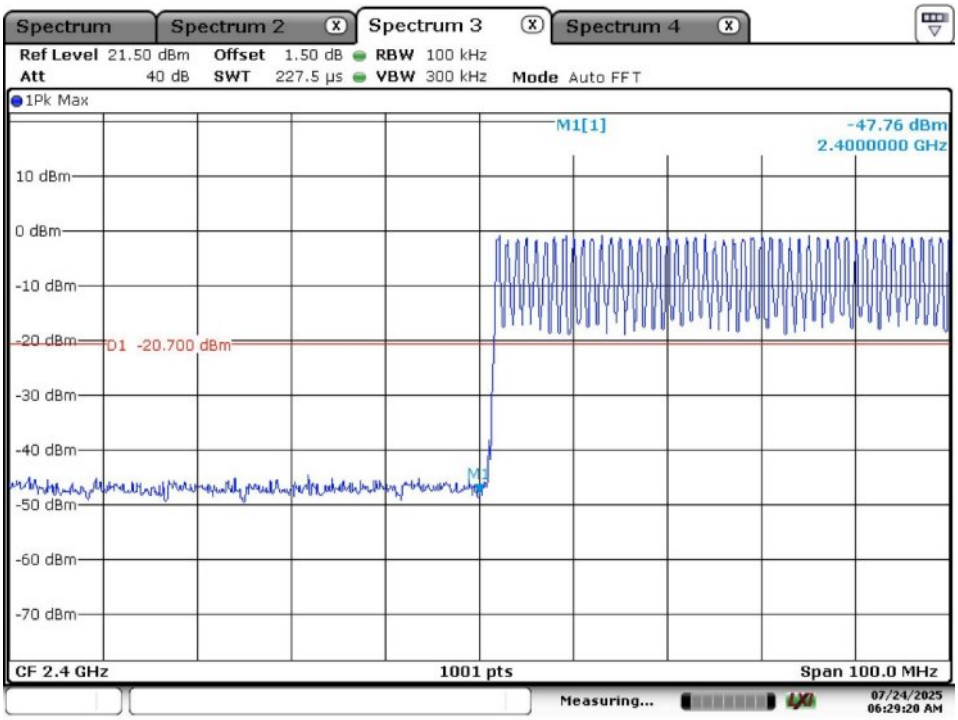


Date: 24.JUL.2025 06:28:33



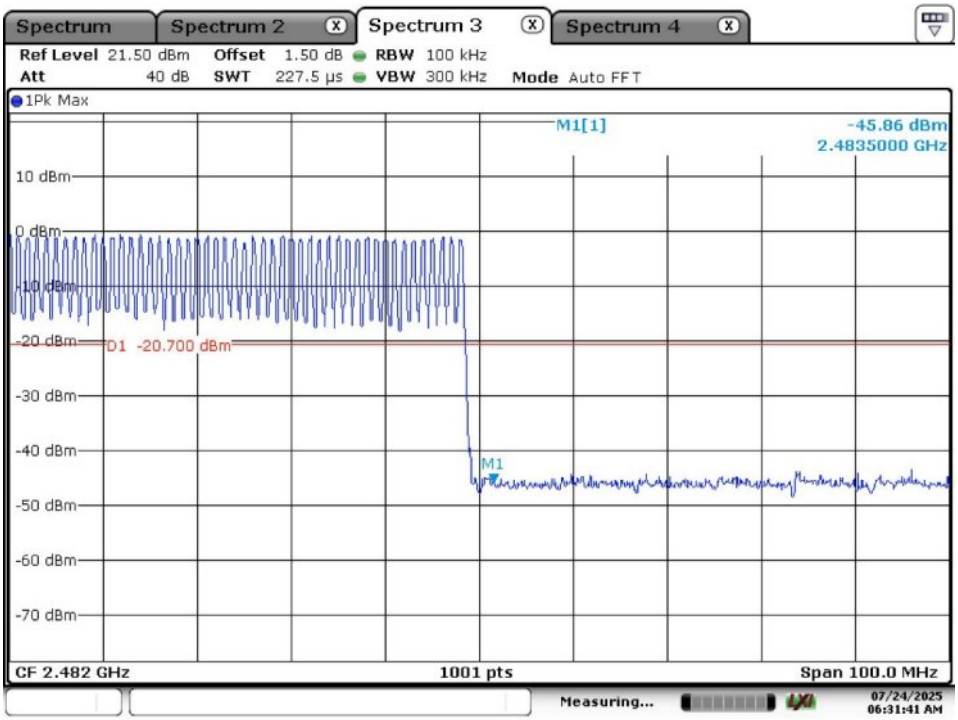
Date: 24.JUL.2025 06:35:23

Band Edge, Hopping Mode, Low Channel



Date: 24.JUL.2025 06:29:20

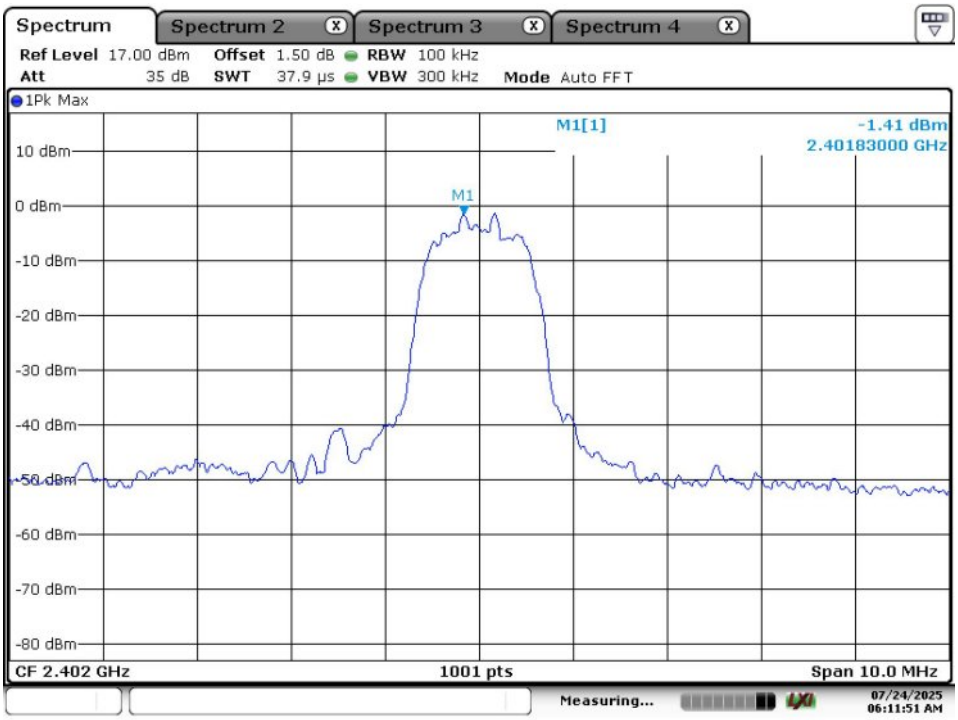
Band Edge, Hopping Mode, High Channle



Date: 24.JUL.2025 06:31:41

EDR mode (8DPSK)

Low Channel



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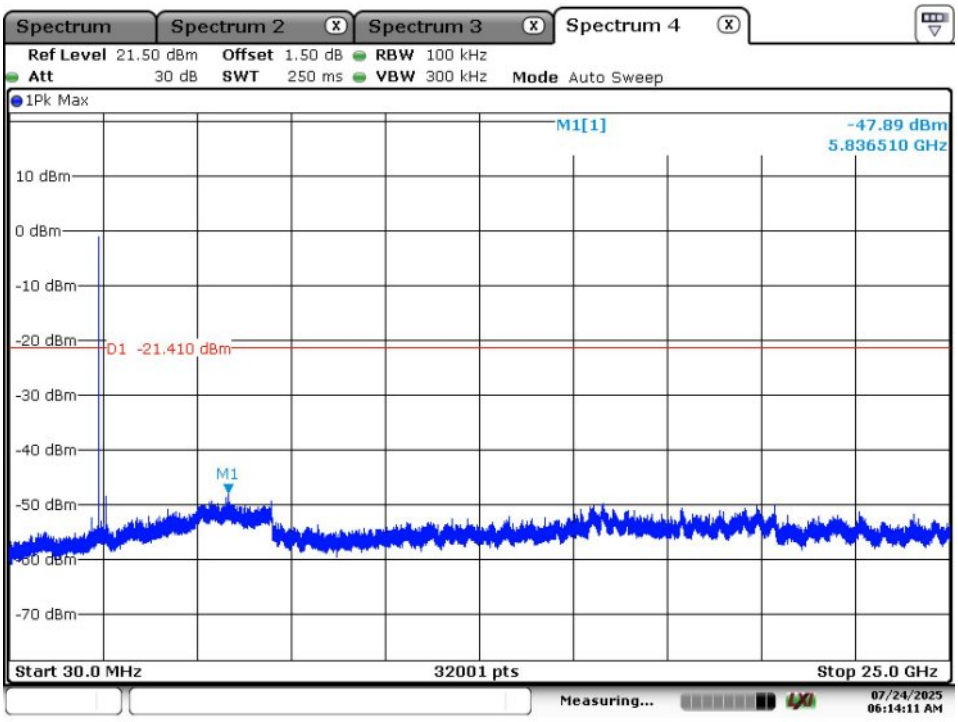

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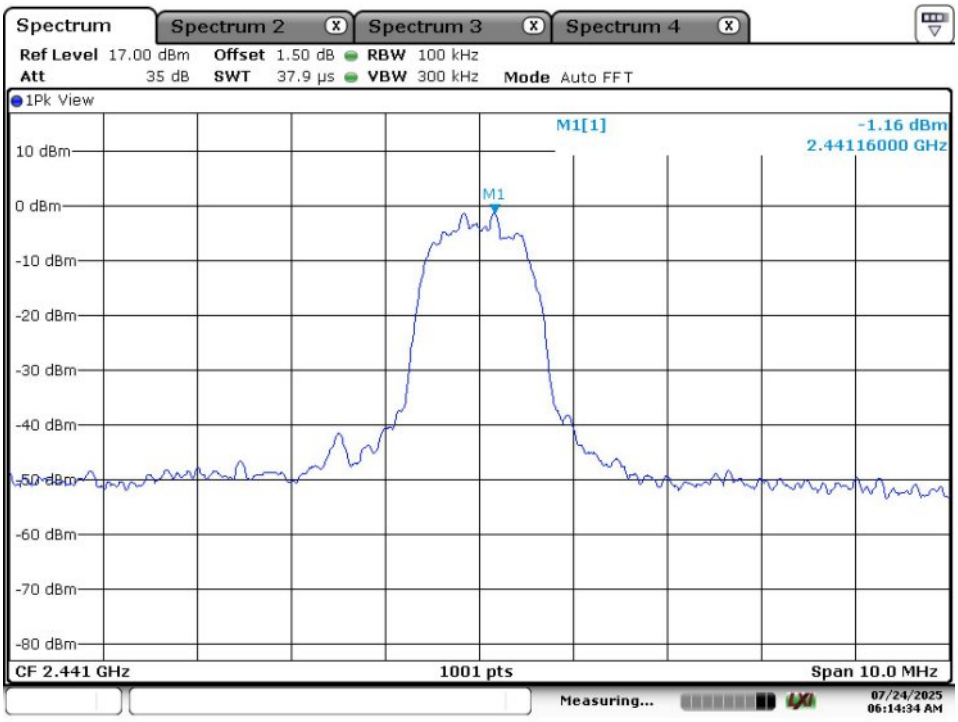
Middle Channel



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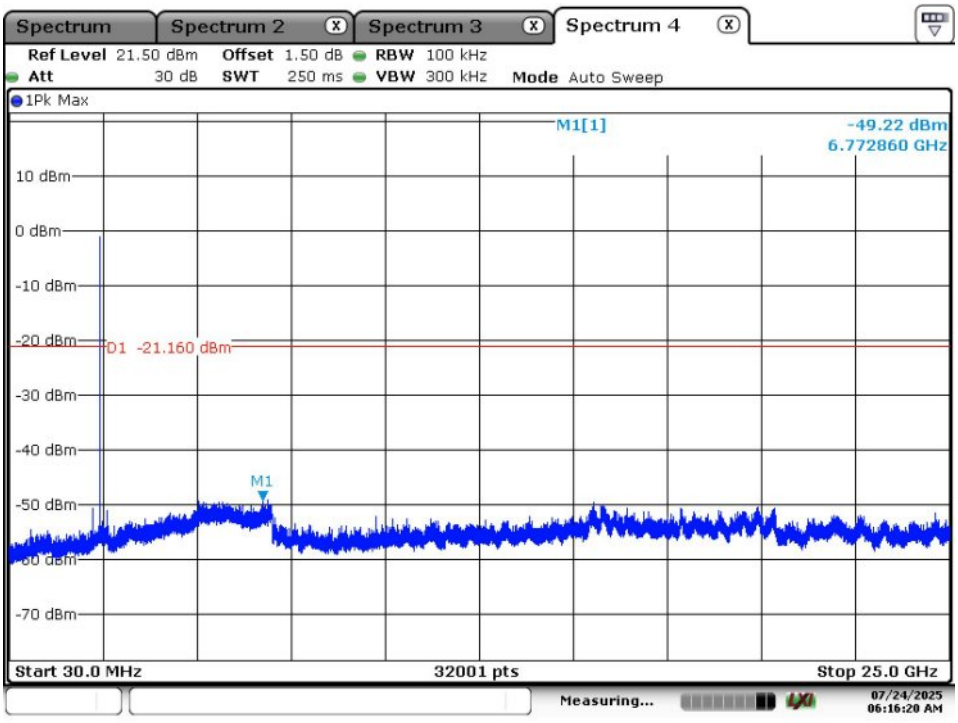

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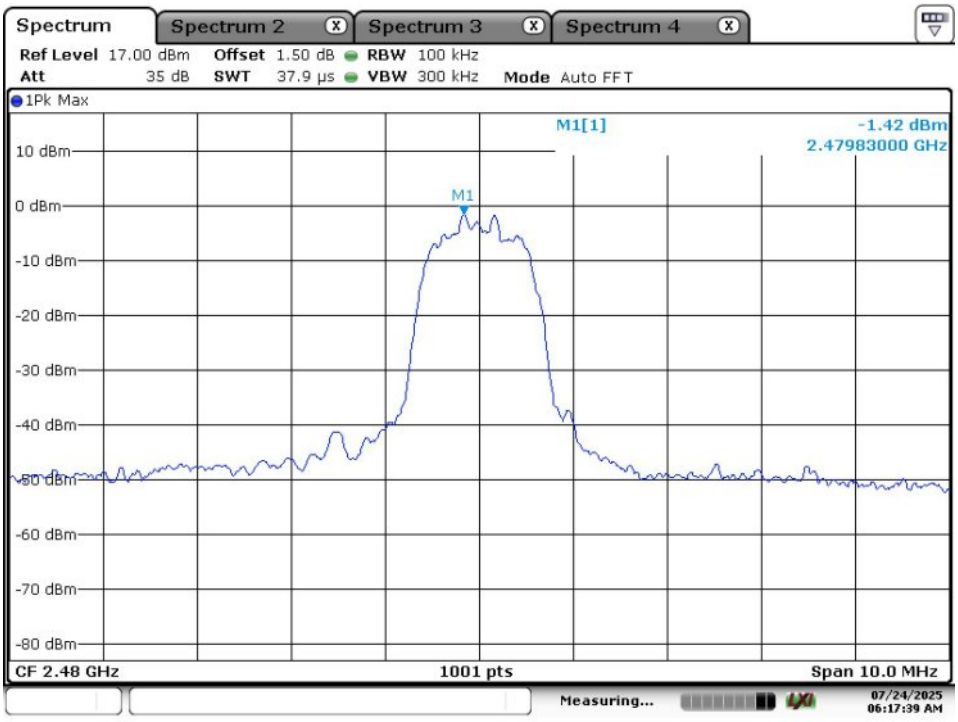
High Channel



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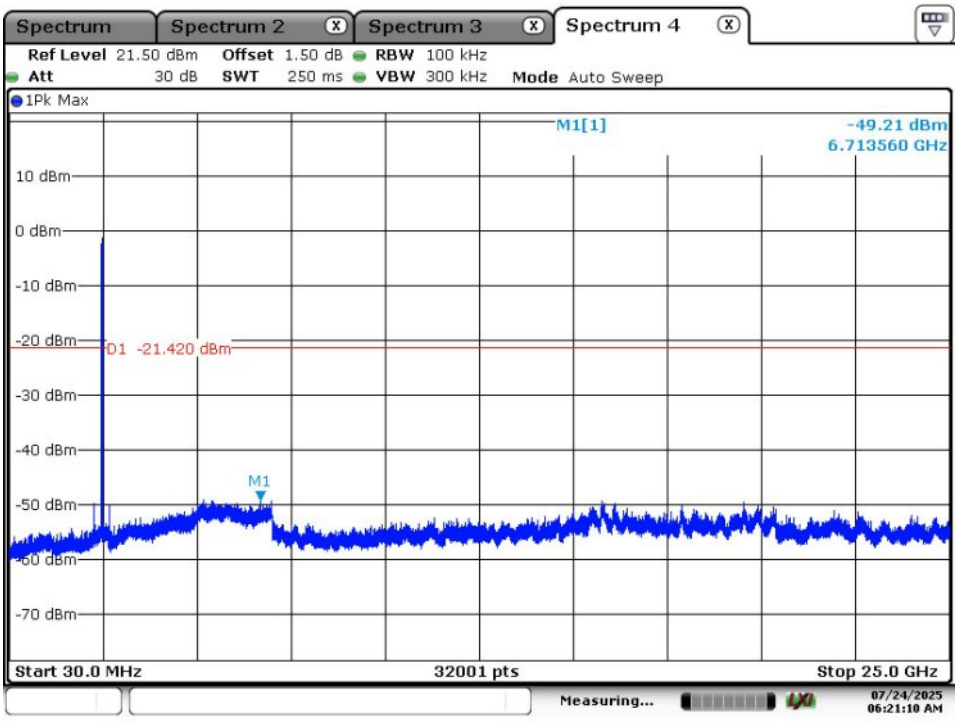

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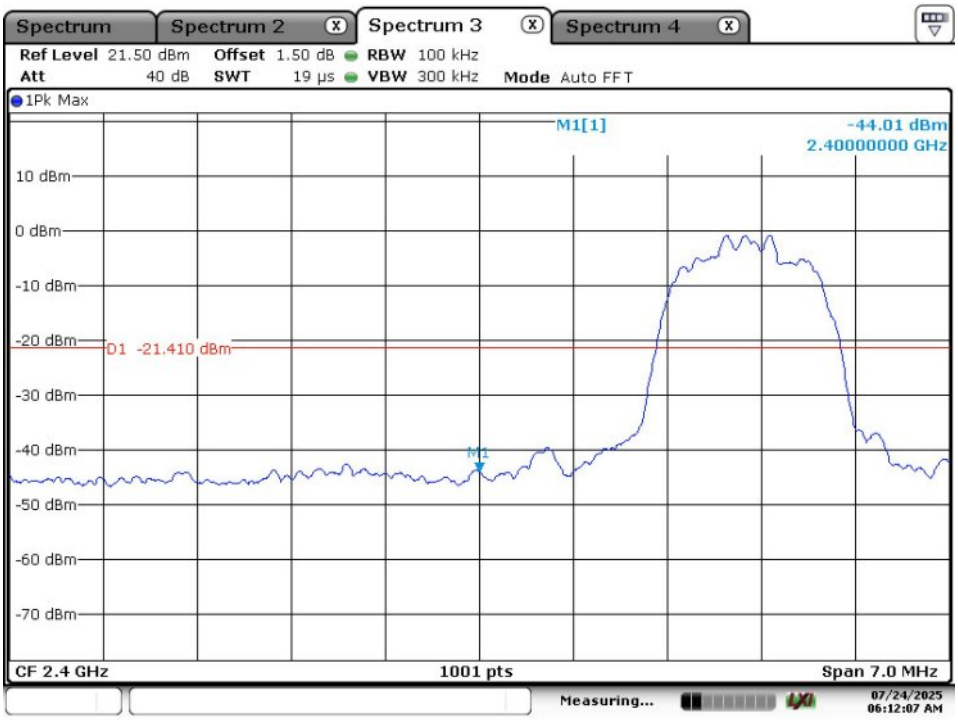
Band Edge, Low Channel



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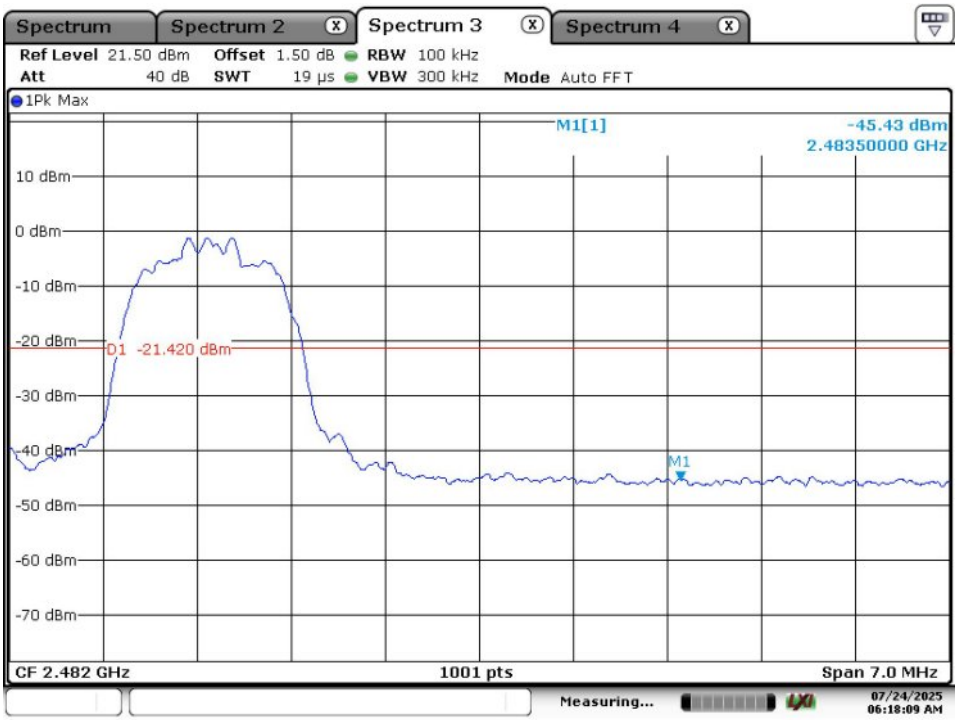
Band Edge, High Channel



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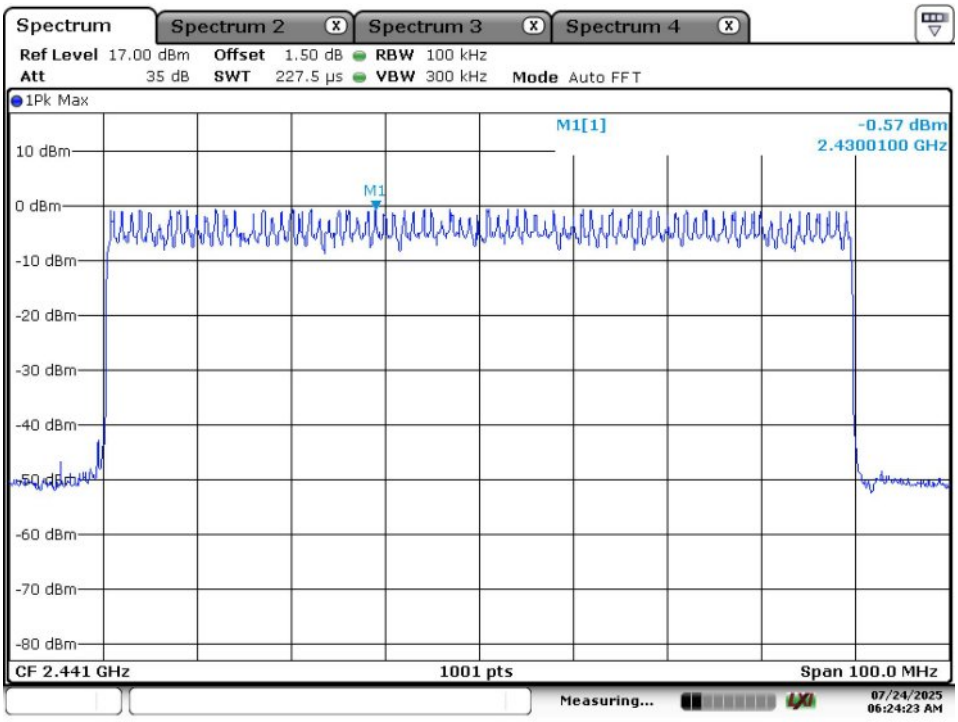
Hopping Mode



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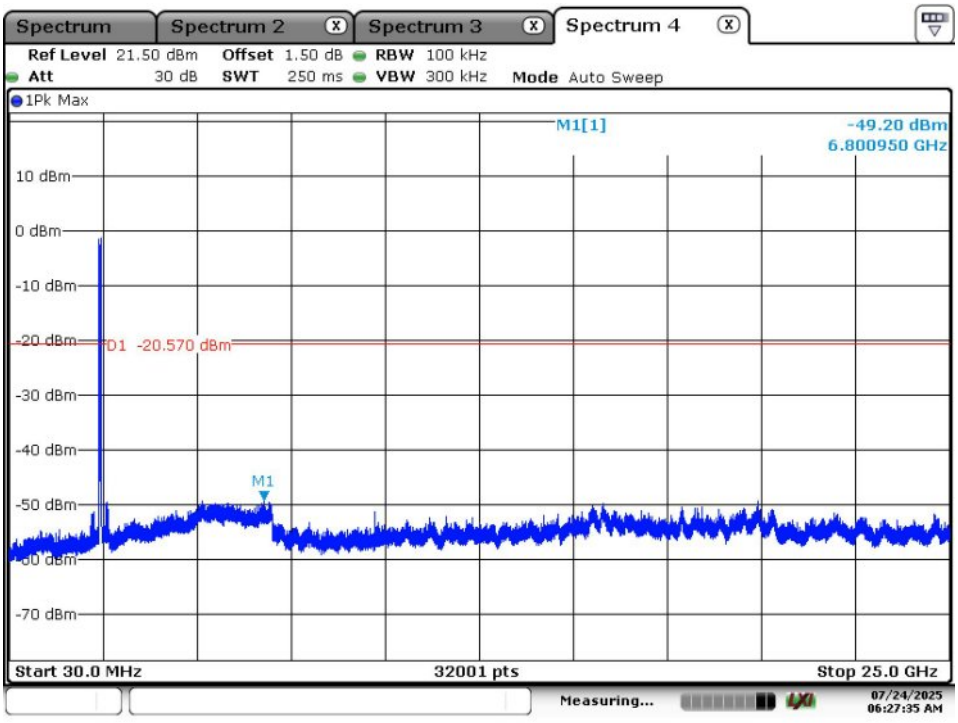
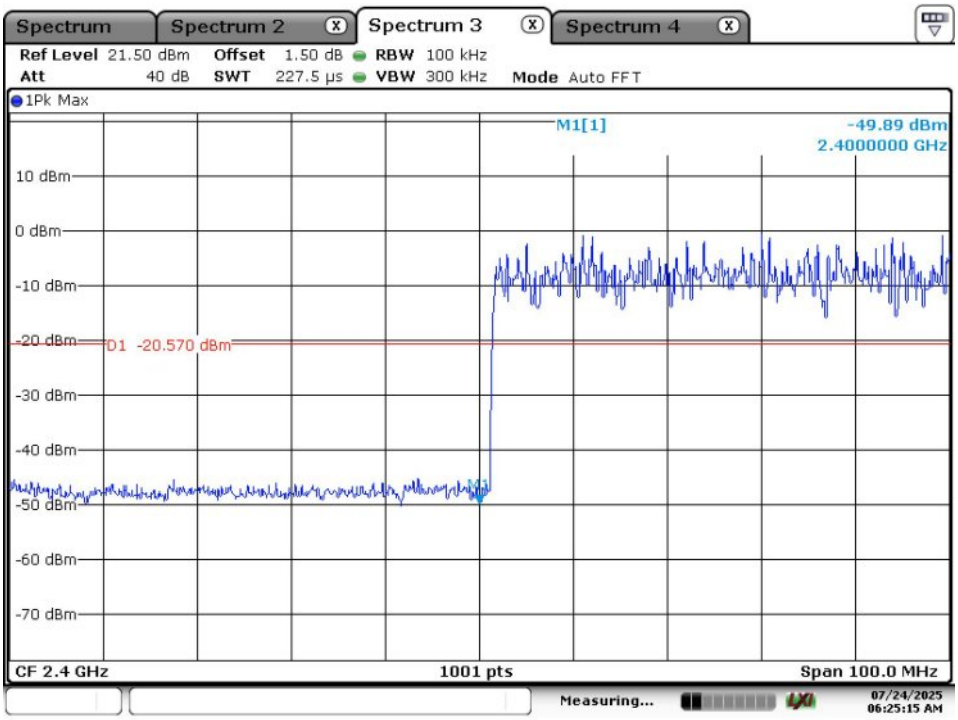


Date: 24.JUL.2025 06:27:35

Band Edge, Hopping Mode, Low Channel



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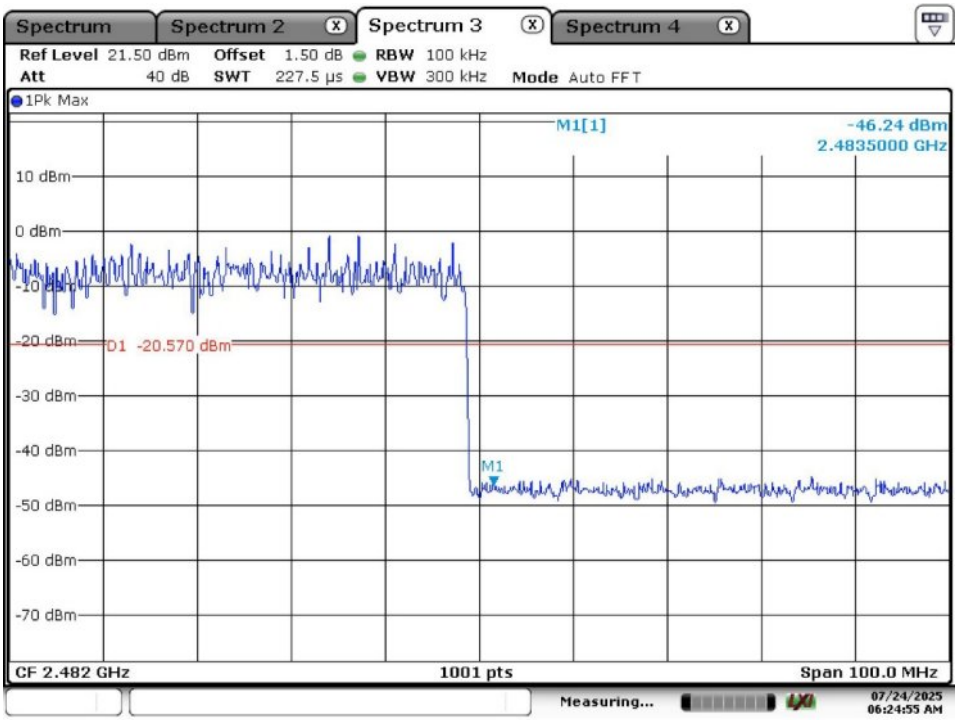
Band Edge, Hopping Mode, High Channle



Date: 24.JUL.2025 06:24:55

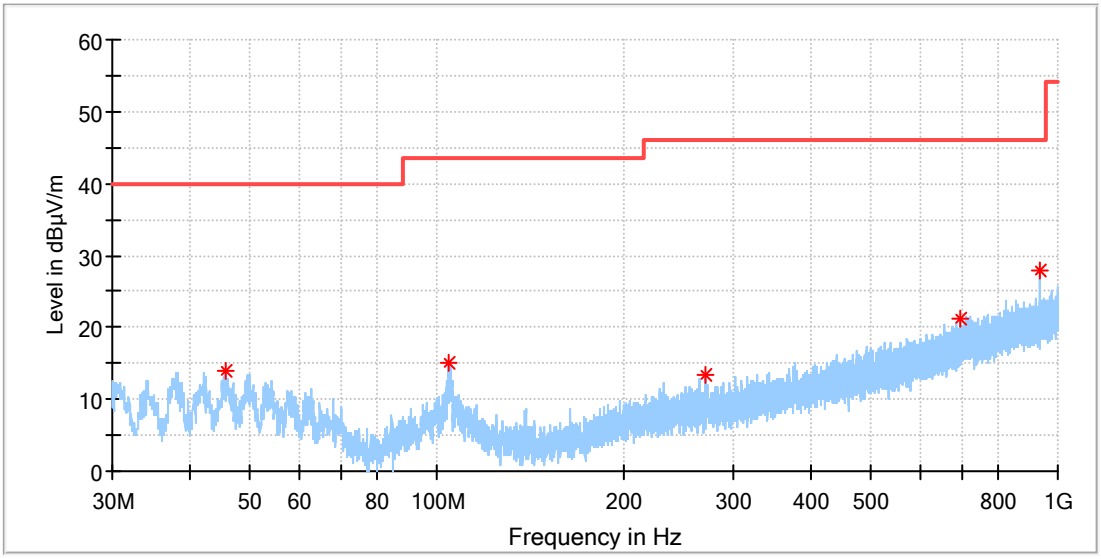
Appendix B.7: Test Results of Radiated Spurious Emissions

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:	OpenSwim Pro
Model:	SHOKZ S711
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168562201/A004033709-006
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

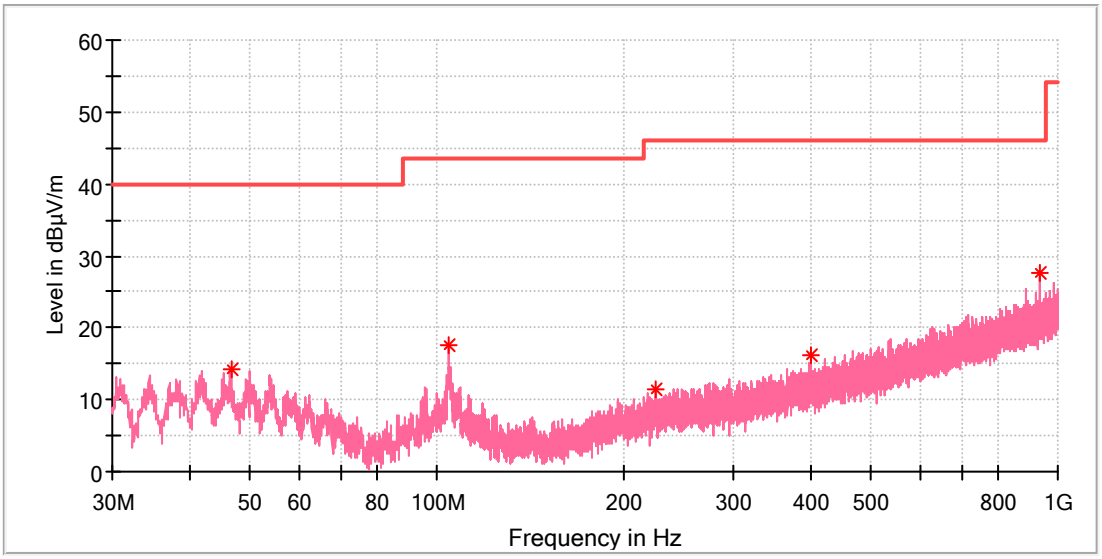


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
45.557308	14.08	40.00	25.92	100.0	H	316.0	-18.9
104.690000	15.01	43.50	28.49	100.0	H	116.0	-18.9
271.418077	13.49	46.00	32.51	100.0	H	15.0	-16.9
699.001539	21.35	46.00	24.65	100.0	H	35.0	-8.0
938.442308	27.96	46.00	18.04	100.0	H	191.0	-4.4

EUT Information

EUT Name:	OpenSwim Pro
Model:	SHOKZ S711
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168562201/A004033709-006
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



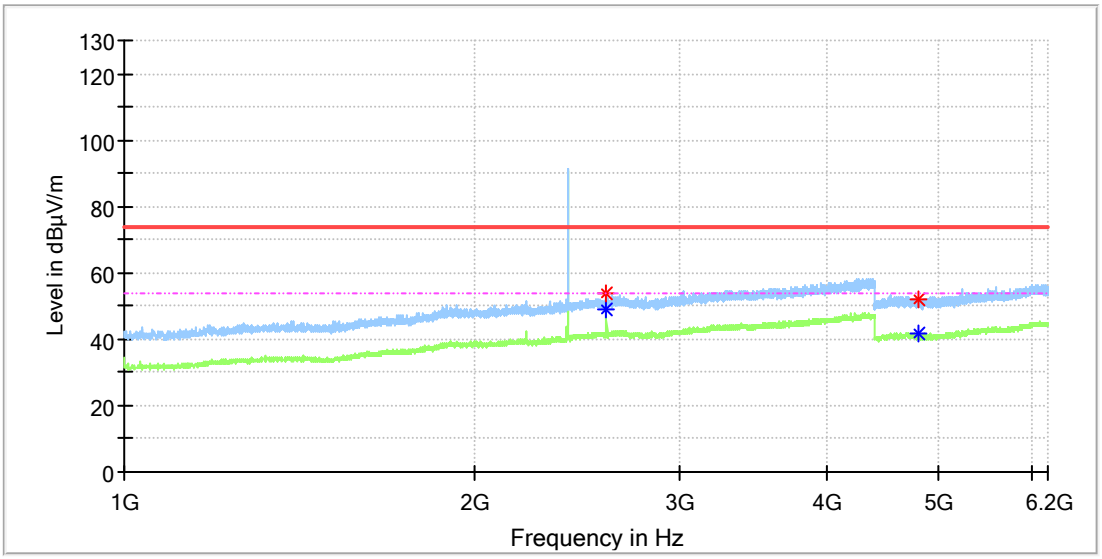
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
46.564615	14.22	40.00	25.78	100.0	V	84.0	-18.7
104.727308	17.72	43.50	25.78	100.0	V	166.0	-18.9
224.522308	11.50	46.00	34.50	100.0	V	46.0	-18.4
399.122308	16.11	46.00	29.89	100.0	V	0.0	-13.8
938.442308	27.67	46.00	18.33	100.0	V	348.0	-4.4

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

EUT Information

EUT Name:	OpenSwim Pro
Model:	SHOKZ S711
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168562201/A004033709-006
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

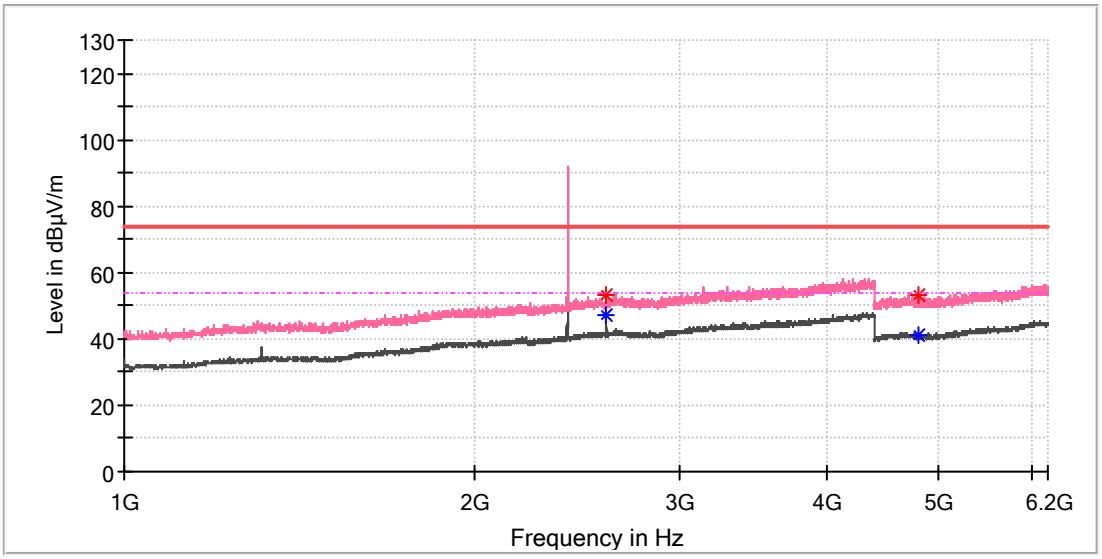


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2594.000000	53.64	---	74.00	20.36	150.0	H	314.0	9.5
2594.000000	---	49.08	54.00	4.92	150.0	H	314.0	9.5
4801.000000	---	41.43	54.00	12.57	150.0	H	62.0	13.3
4809.000000	52.19	---	74.00	21.81	150.0	H	346.0	13.3

EUT Information

EUT Name:	OpenSwim Pro
Model:	SHOKZ S711
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168562201/A004033709-006
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

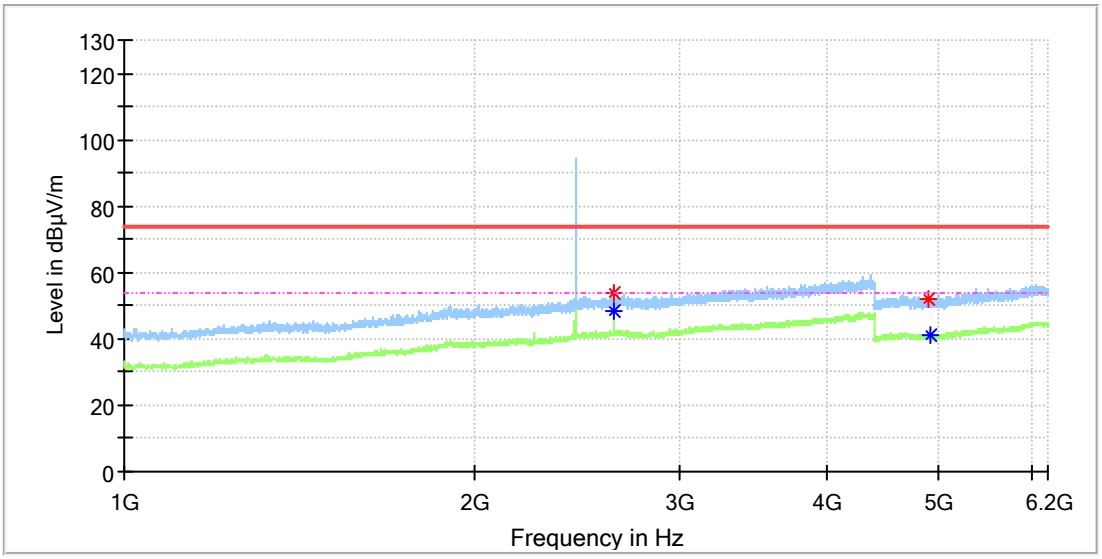


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2594.000000	53.30	---	74.00	20.70	150.0	V	40.0	9.5
2594.000000	---	47.33	54.00	6.67	150.0	V	40.0	9.5
4799.500000	52.94	---	74.00	21.06	150.0	V	317.0	13.3
4805.000000	---	41.41	54.00	12.60	150.0	V	198.0	13.3

EUT Information

EUT Name:	OpenSwim Pro
Model:	SHOKZ S711
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168562201/A004033709-006
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

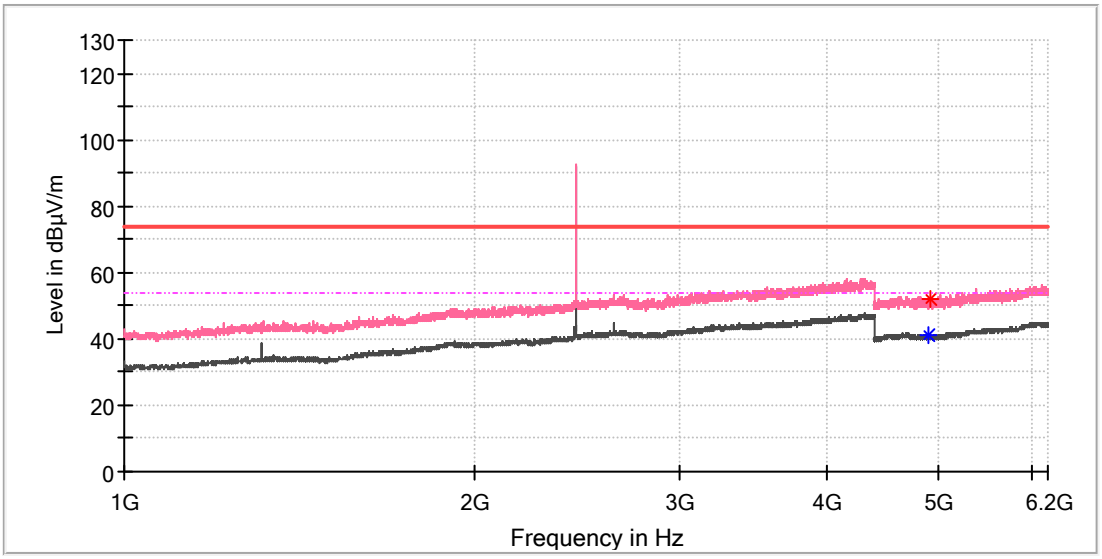


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2633.000000	54.05	---	74.00	19.95	150.0	H	319.0	9.9
2633.000000	---	48.42	54.00	5.58	150.0	H	319.0	9.9
4904.500000	51.82	---	74.00	22.18	150.0	H	94.0	13.3
4908.000000	---	41.35	54.00	12.65	150.0	H	229.0	13.3

EUT Information

EUT Name:	OpenSwim Pro
Model:	SHOKZ S711
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168562201/A004033709-006
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

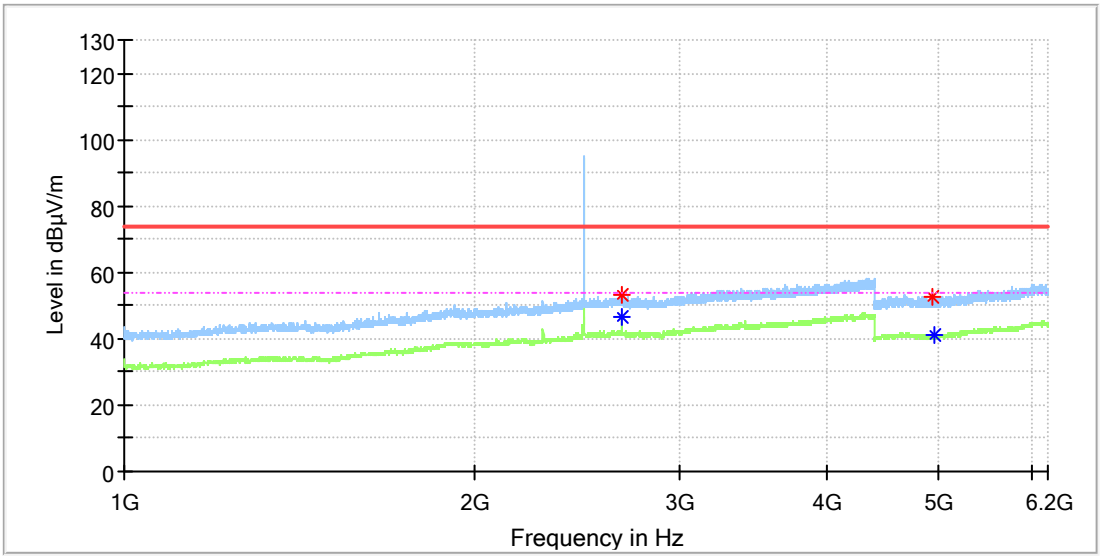


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4901.000000	---	41.16	54.00	12.84	150.0	V	208.0	13.3
4913.500000	51.85	---	74.00	22.15	150.0	V	106.0	13.3

EUT Information

EUT Name:	OpenSwim Pro
Model:	SHOKZ S711
Test Mode:	BR_DH5_High channel
Order No/Sample No:	168562201/A004033709-006
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

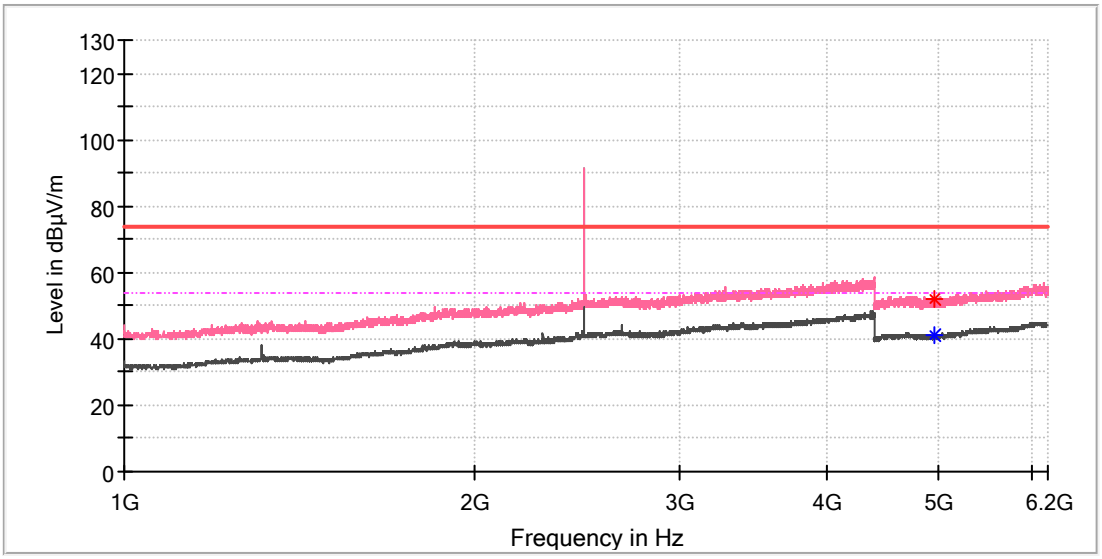


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2672.000000	53.32	---	74.00	20.68	150.0	H	46.0	10.2
2672.000000	---	46.84	54.00	7.16	150.0	H	46.0	10.2
4936.500000	52.39	---	74.00	21.61	150.0	H	284.0	13.3
4956.000000	---	41.41	54.00	12.59	150.0	H	359.0	13.3

EUT Information

EUT Name:	OpenSwim Pro
Model:	SHOKZ S711
Test Mode:	BR_DH5_High channel
Order No/Sample No:	168562201/A004033709-006
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

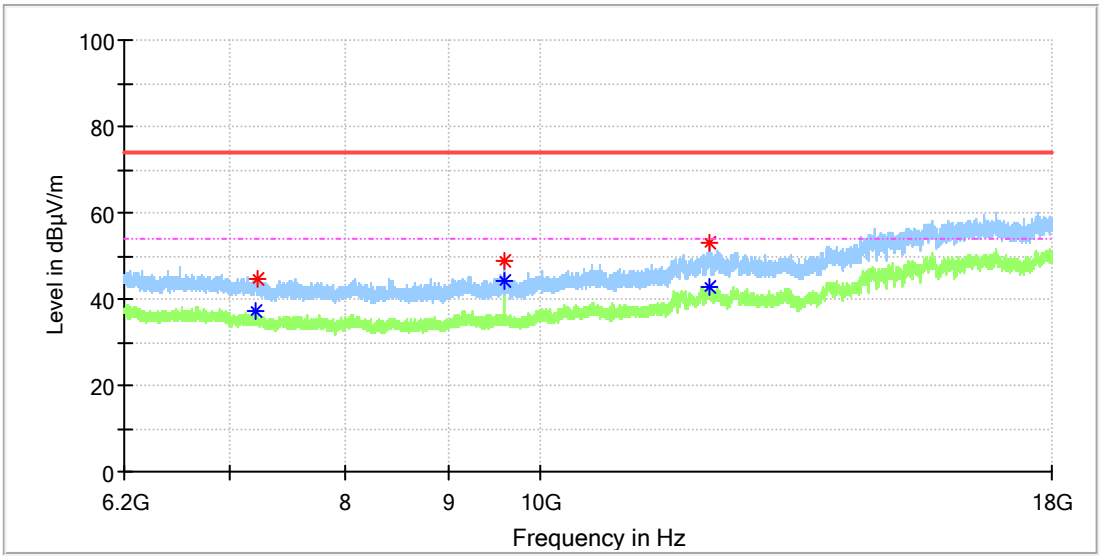


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4957.000000	52.10	---	74.00	21.90	150.0	V	129.0	13.3
4957.000000	---	41.41	54.00	12.59	150.0	V	129.0	13.3

EUT Information

EUT Name:	OpenSwim Pro
Model:	SHOKZ S711
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168562201/A004033709-006
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

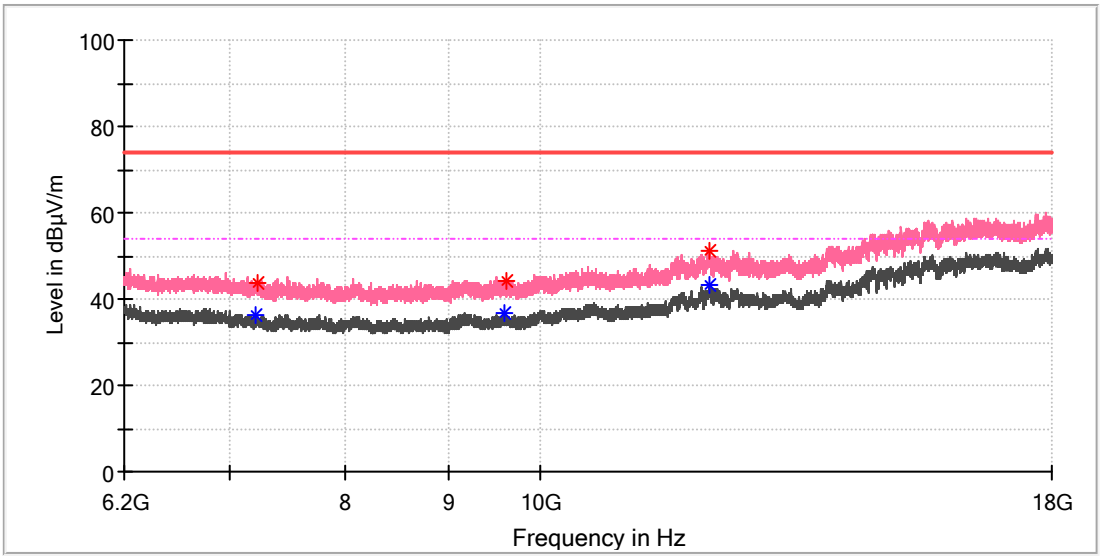


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7215.291667	---	37.38	54.00	16.62	150.0	H	121.0	8.7
7223.650000	44.77	---	74.00	29.23	150.0	H	0.0	8.7
9601.841667	48.69	---	74.00	25.31	150.0	H	235.0	10.4
9601.841667	---	44.32	54.00	9.68	150.0	H	235.0	10.4
12145.725000	---	42.91	54.00	11.09	150.0	H	35.0	16.6
12155.066667	53.08	---	74.00	20.92	150.0	H	145.0	16.5

EUT Information

EUT Name:	OpenSwim Pro
Model:	SHOKZ S711
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168562201/A004033709-006
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

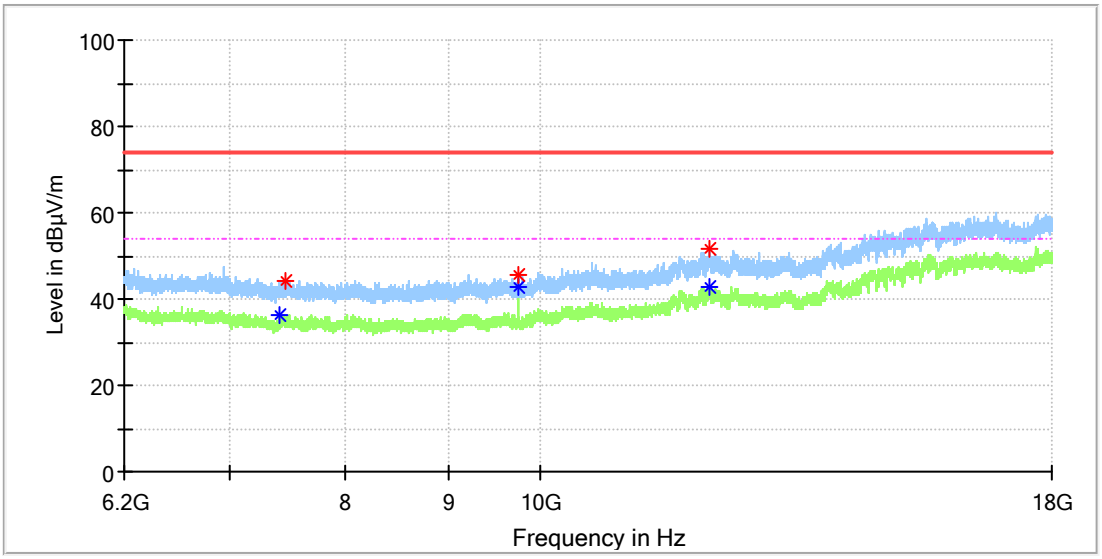


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7211.358333	---	36.46	54.00	17.54	150.0	V	184.0	8.7
7223.650000	43.79	---	74.00	30.21	150.0	V	127.0	8.7
9601.841667	---	36.54	54.00	17.46	150.0	V	265.0	10.4
9625.933333	44.15	---	74.00	29.85	150.0	V	348.0	10.4
12146.216667	---	43.24	54.00	10.76	150.0	V	69.0	16.6
12148.183333	51.22	---	74.00	22.78	150.0	V	0.0	16.7

EUT Information

EUT Name:	OpenSwim Pro
Model:	SHOKZ S711
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168562201/A004033709-006
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

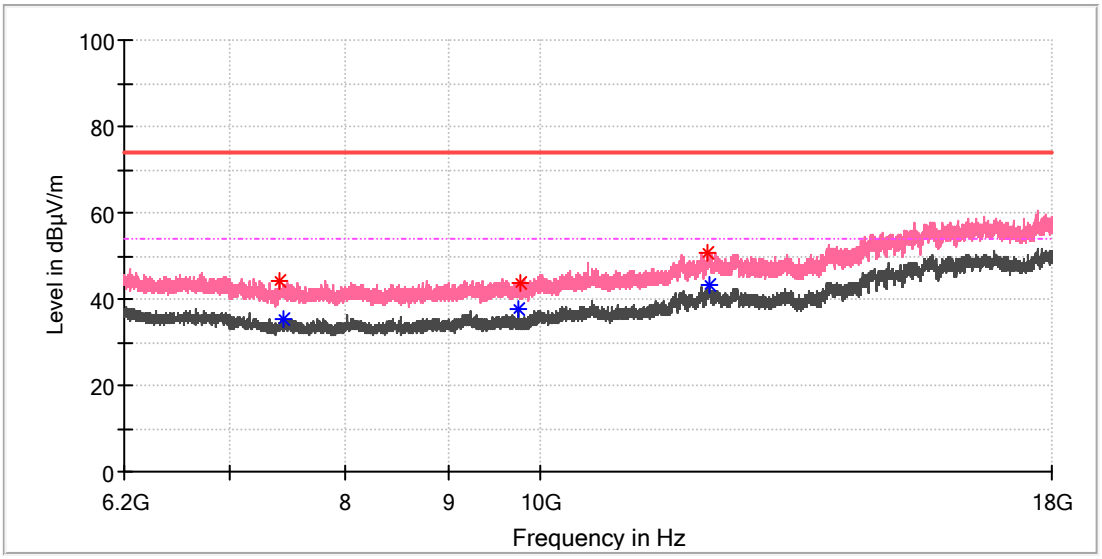


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7403.600000	---	36.36	54.00	17.64	150.0	H	68.0	8.3
7461.616667	44.38	---	74.00	29.62	150.0	H	278.0	8.6
9758.191667	45.78	---	74.00	28.22	150.0	H	79.0	10.4
9758.191667	---	42.86	54.00	11.14	150.0	H	79.0	10.4
12145.233333	---	42.77	54.00	11.23	150.0	H	45.0	16.6
12149.166667	51.66	---	74.00	22.34	150.0	H	0.0	16.7

EUT Information

EUT Name:	OpenSwim Pro
Model:	SHOKZ S711
Test Mode:	BR_DH5_Mid channel
Order No/Sample No:	168562201/A004033709-006
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

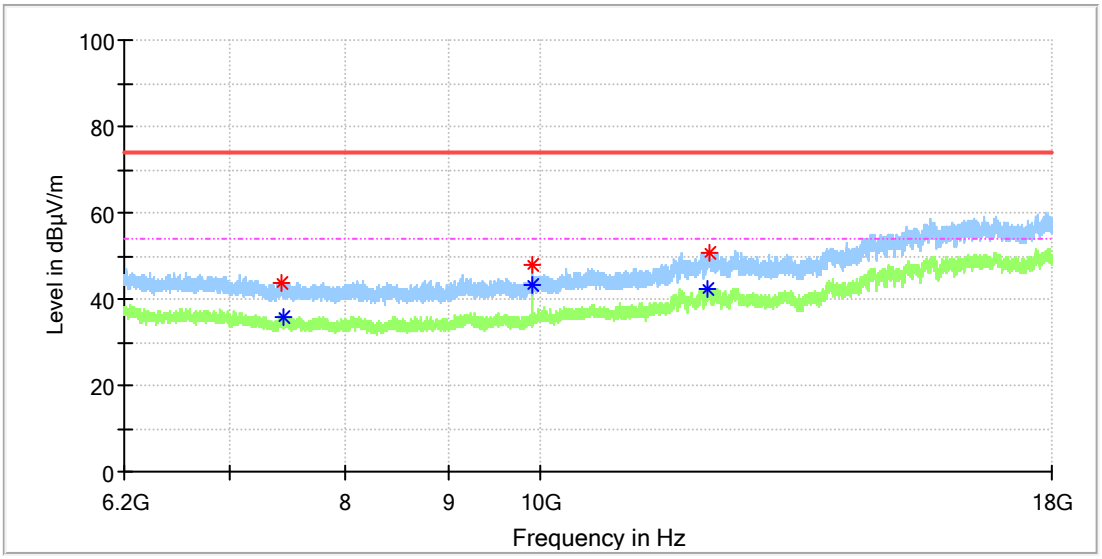


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7417.858333	44.34	---	74.00	29.66	150.0	V	0.0	8.4
7449.325000	---	35.31	54.00	18.69	150.0	V	73.0	8.5
9758.191667	---	37.88	54.00	16.12	150.0	V	181.0	10.4
9776.383333	43.87	---	74.00	30.13	150.0	V	303.0	10.4
12118.191667	50.86	---	74.00	23.14	150.0	V	193.0	15.9
12145.725000	---	43.18	54.00	10.82	150.0	V	256.0	16.6

EUT Information

EUT Name:	OpenSwim Pro
Model:	SHOKZ S711
Test Mode:	BR_DH5_High channel
Order No/Sample No:	168562201/A004033709-006
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

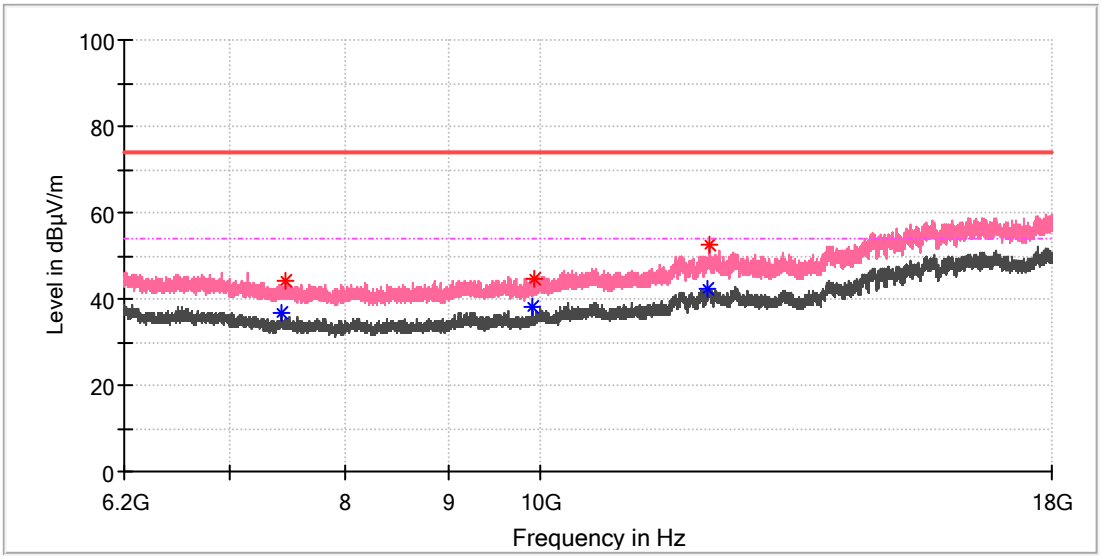


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7426.216667	43.77	---	74.00	30.23	150.0	H	238.0	8.4
7439.983333	---	35.97	54.00	18.03	150.0	H	91.0	8.4
9914.050000	47.77	---	74.00	26.23	150.0	H	44.0	10.8
9914.050000	---	43.42	54.00	10.58	150.0	H	44.0	10.8
12126.550000	---	42.17	54.00	11.83	150.0	H	238.0	16.1
12149.166667	50.91	---	74.00	23.09	150.0	H	217.0	16.7

EUT Information

EUT Name:	OpenSwim Pro
Model:	SHOKZ S711
Test Mode:	BR_DH5_High channel
Order No/Sample No:	168562201/A004033709-006
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



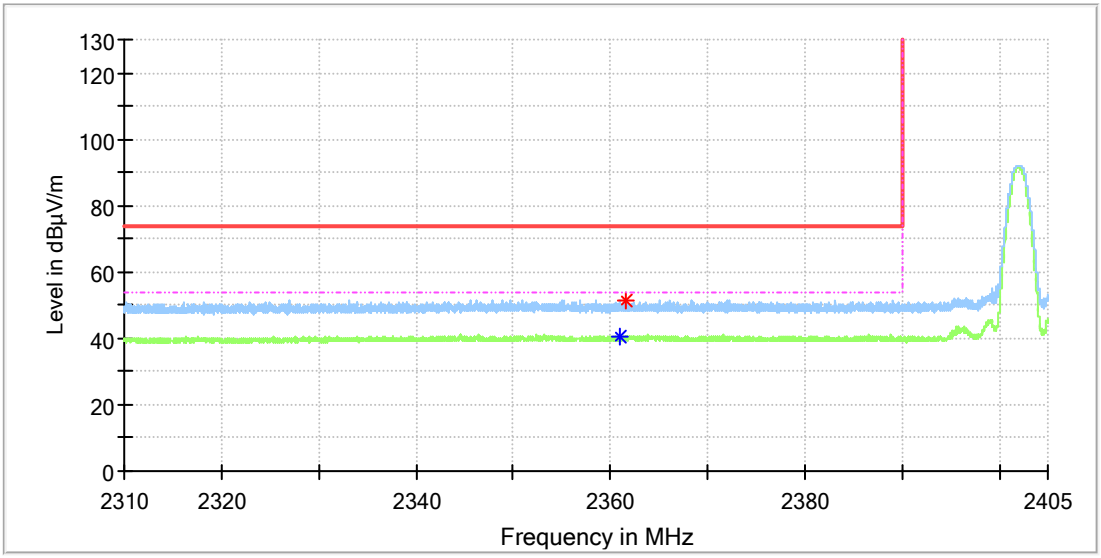
Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7420.808333	---	36.56	54.00	17.44	150.0	V	226.0	8.4
7468.500000	44.19	---	74.00	29.81	150.0	V	327.0	8.6
9914.050000	---	37.99	54.00	16.01	150.0	V	339.0	10.8
9923.883333	44.61	---	74.00	29.39	150.0	V	188.0	10.8
12118.191667	---	42.45	54.00	11.55	150.0	V	80.0	15.9
12156.541667	52.61	---	74.00	21.39	150.0	V	339.0	16.4

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

EUT Information

EUT Name:	OpenSwim Pro
Model:	SHOKZ S711
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168562201/A004033709-006
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

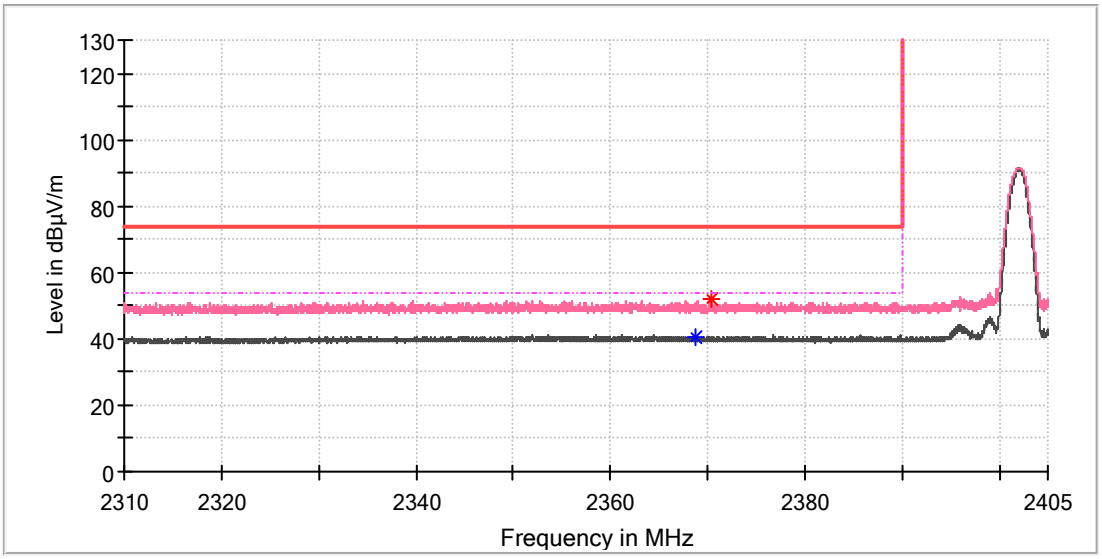


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2361.062500	---	40.73	54.00	13.27	150.0	H	354.0	8.5
2361.635294	51.59	---	74.00	22.41	150.0	H	169.0	8.5

EUT Information

EUT Name:	OpenSwim Pro
Model:	SHOKZ S711
Test Mode:	BR_DH5_Low channel
Order No/Sample No:	168562201/A004033709-006
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

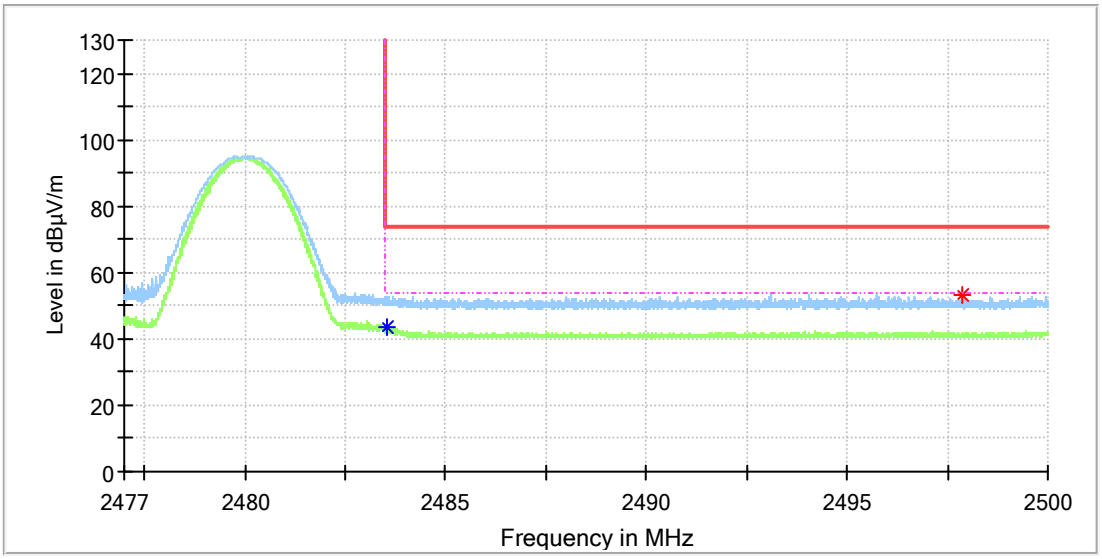


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2368.732353	---	40.79	54.00	13.21	150.0	V	321.0	8.5
2370.492647	52.02	---	74.00	21.98	150.0	V	259.0	8.5

EUT Information

EUT Name:	OpenSwim Pro
Model:	SHOKZ S711
Test Mode:	BR_DH5_High channel
Order No/Sample No:	168562201/A004033709-006
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

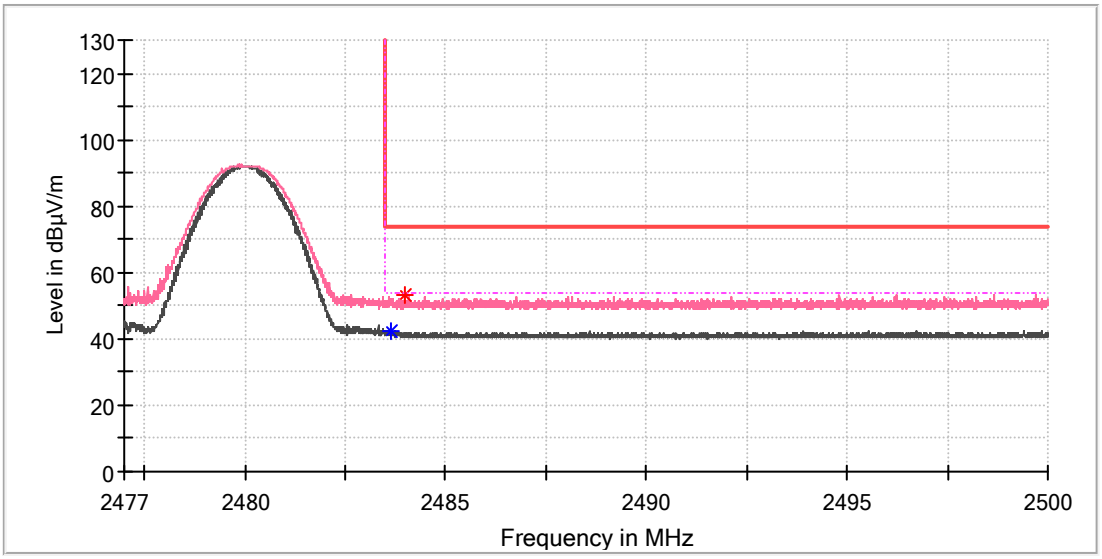


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.521177	---	43.68	54.00	10.32	150.0	H	46.0	9.0
2497.865735	53.17	---	74.00	20.83	150.0	H	328.0	9.0

EUT Information

EUT Name:	OpenSwim Pro
Model:	SHOKZ S711
Test Mode:	BR_DH5_High channel
Order No/Sample No:	168562201/A004033709-006
Test Voltage::	Battery
Remark:	Temp 22 Humi:52%
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)
2483.619265	---	42.62	54.00	11.38	150.0	V	68.0	9.0
2483.981177	53.48	---	74.00	20.52	150.0	V	62.0	9.0