

Prüfbericht-Nr.: Test report no.:	CN2151J1 001	Auftrags-Nr.: Order no.:	168322127	Seite 1 von 25 Page 1 of 25
Kunden-Referenz-Nr.: Client reference no.:	N/A	Auftragsdatum: Order date:	2021-06-02	
Auftraggeber: Client:	UP Global Sourcing Ltd. UP Global Sourcing, Manor Mill, Victoria Street, Chadderton, Oldham, OL9 0DD, United Kingdom			
Prüfgegenstand: Test item:	Tower Speaker			
Bezeichnung / Typ-Nr.: Identification / Type no.:	EE2928 (Trademark: PRIMARK)			
Auftrags-Inhalt: Order content:	FCC and IC approval			
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 CFR47 FCC Part 2.1093			
Wareneingangsdatum: Date of sample receipt:	2021-06-18			
Prüfmuster-Nr.: Test sample no.:	A003068369-009 to 010			
Prüfzeitraum: Testing period:	2021-06-24 – 2021-07-05			
Ort der Prüfung: Place of testing:	TÜV Rheinland (Shenzhen) Co., Ltd. Testing Center			
Prüflaboratorium: Testing laboratory:	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: Test result*:	Pass			
geprüft von: tested by:			genehmigt von: authorized by:	
Datum: Date:	2021-08-03		Ausstellungsdatum: Issue date:	2021-08-13
	Signed by: Winnie Hou			Signed by: Sam Lin
Stellung / Position	Department Manager		Stellung / Position	Department Manager
Sonstiges / Other: FCC ID: 2AAR2EE2928				
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:		Prüfmuster vollständig und unbeschädigt Test item complete and undamaged:		
* Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet Legend: 1 = very good 2 = good 3 = satisfactory 4 = sufficient 5 = poor P(ass) = passed a.m. test specifications(s) F(ail) = failed a.m. test specifications(s) N/A = not applicable N/T = not tested				
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>				

V05

Test Summary

5.1.1 ANTENNA REQUIREMENT

RESULT: Pass

5.1.2 MAXIMUM PEAK CONDUCTED OUTPUT POWER

RESULT: Pass

5.1.3 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 KHz BANDWIDTH

RESULT: Pass

5.1.4 RADIATED SPURIOUS EMISSION

RESULT: Pass

5.1.5 20dB BANDWIDTH

RESULT: Pass

5.1.6 CARRIER FREQUENCY SEPARATION

RESULT: Pass

5.1.7 NUMBER OF HOPPING FREQUENCY

RESULT: Pass

5.1.8 TIME OF OCCUPANCY

RESULT: Pass

5.1.9 CONDUCTED EMISSION ON AC MAINS

RESULT: Pass

6.1.1 ELECTROMAGNETIC FIELDS

RESULT: Pass

Contents

1	GENERAL REMARKS.....	4
1.1	COMPLEMENTARY MATERIALS	4
2	TEST SITES	4
2.1	TEST FACILITIES.....	4
2.2	LIST OF TEST AND MEASUREMENT INSTRUMENTS	5
2.3	TRACEABILITY	7
2.4	CALIBRATION.....	7
2.5	MEASUREMENT UNCERTAINTY	7
2.6	LOCATION OF ORIGINAL DATA	7
2.7	STATUS OF FACILITY USED FOR TESTING	7
3	GENERAL PRODUCT INFORMATION.....	8
3.1	PRODUCT FUNCTION AND INTENDED USE.....	8
3.2	RATINGS AND SYSTEM DETAILS	8
3.3	INDEPENDENT OPERATION MODES.....	11
3.4	NOISE GENERATING AND NOISE SUPPRESSING PARTS.....	11
3.5	SUBMITTED DOCUMENTS	11
4	TEST SET-UP AND OPERATION MODES.....	12
4.1	PRINCIPLE OF CONFIGURATION SELECTION.....	12
4.2	TEST OPERATION AND TEST SOFTWARE.....	12
4.3	SPECIAL ACCESSORIES AND AUXILIARY EQUIPMENT.....	12
4.4	COUNTERMEASURES TO ACHIEVE EMC COMPLIANCE	12
4.5	TEST SETUP DIAGRAM	13
5	TEST RESULTS.....	15
5.1	TRANSMITTER REQUIREMENT & TEST SUITES.....	15
5.1.1	<i>Antenna Requirement.....</i>	<i>15</i>
5.1.2	<i>Maximum Peak Conducted Output Power</i>	<i>16</i>
5.1.3	<i>Conducted Spurious Emissions Measured in 100 kHz Bandwidth</i>	<i>17</i>
5.1.4	<i>Radiated Spurious Emission</i>	<i>18</i>
5.1.5	<i>20dB Bandwidth.....</i>	<i>19</i>
5.1.6	<i>Carrier Frequency Separation</i>	<i>20</i>
5.1.7	<i>Number of Hopping Frequency.....</i>	<i>21</i>
5.1.8	<i>Time of Occupancy.....</i>	<i>22</i>
5.1.9	<i>Conducted Emission on AC Mains</i>	<i>23</i>
6	SAFETY HUMAN EXPOSURE.....	24
6.1	RADIO FREQUENCY EXPOSURE COMPLIANCE.....	24
6.1.1	<i>Electromagnetic Fields</i>	<i>24</i>
7	PHOTOGRAPHS OF THE TEST SET-UP	25
8	LIST OF TABLES	25

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 Conducted Testing

Appendix C: Test Results of Radiated Testing & AC Mains Conducted Emission

2 Test Sites

2.1 Test Facilities

TÜV Rheinland (Shenzhen) Co., Ltd.

No. 362 Huanguan Road Middle, Longhua District, Shenzhen 518110, People's Republic of China

FCC Registration No.: 694916

IC Registration No.: 25069

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

TÜV Rheinland (Shenzhen) Co., Ltd.

Radiated Emission				
Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
3m SAC	ETS-Lindgren	SAC3	CT001632-Q1362	2021-08-23
EMI Test Receiver	R&S	ESR7	102111	2021-12-16
Horn Antenna	R&S	HF907	102706	2022-08-07
Preamplifier (1-18GHz)	FIT	SCU-18F	180077	2021-08-16
Trilog-Broadband antenna	SCHWARZBECK	VULB9168	0945	2022-12-12
EMC32 test software	R&S	EMC32(Ver.10.50.00)	N/A	N/A
Conducted Emissions				
Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
EMI Test Receiver	R&S	ESR3	102680	2022-04-24
Artificial Mains Network	R&S	ENV216	101445	2022-04-24
EMC32 test software	R&S	EMC32(Ver.10.50.00)	N/A	N/A
Radio Spectrum Testing				
Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
Wireless Connectivity Tester	Rohde & Schwarz	CMW270	101375	2021-08-30
Signal Analyzer	Rohde & Schwarz	FSV 40	101441	2021-08-30
Vector Signal Generator	Rohde & Schwarz	SMBV100A	263301	2021-08-30
Signal Generator	Rohde & Schwarz	SMB100A	115186	2021-08-30
OSP	Rohde & Schwarz	OSP 150	101017	2021-12-20
Control PC	DELL	OptiPlex 7050	FTJZ9P2	N/A
Test Software	Rohde & Schwarz	WMS32 (V10.40.10)	N/A	N/A
Power Meter	Rohde & Schwarz	NRP2	107105	2021-12-20
Wideband Power Sensor	Rohde & Schwarz	NRP-Z81	105350	2021-12-20
Unwanted Emission Testing				
Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
Signal Generator	Rohde & Schwarz	SMB100A	180840	2021-08-30
Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	165339	2021-08-30
Signal Analyzer	Rohde & Schwarz	FSV 40	101440	2021-08-30
System Controller Interface	Rohde & Schwarz	SCI-100	S10010036	N/A
Filterbank	Rohde & Schwarz	CDMA	100751	2021-08-30

Produkte
Products
Prüfbericht - Nr.: CN2151J1 001
Test Report No.:

Seite 6 von 25

Page 6 of 25

Filterbank	Rohde & Schwarz	GSM	100811	2021-08-30
OSP	Rohde & Schwarz	OSP 120	102041	N/A
OSP	Rohde & Schwarz	OSP 150	101385	N/A
Pre-amplifier	Rohde & Schwarz	SCU08F1	08320030	2021-08-30
Amplifier	Rohde & Schwarz	SCU-18F	180079	2021-08-30
Amplifier	Rohde & Schwarz	SCU40A	100450	2021-09-03
Trilog Broadband Antenna (30 MHz - 1 GHz)	Schwarzbeck	VULB9162	192	2021-09-02
Double-Ridged Antenna (1 -18 GHz)	ETS-LINDGREN	3117	00218719	2021-09-02
Wideband Ridged Horn Antenna (12-18 GHz)	Steatite	QMS-00208	18312	2021-09-02
Wideband Ridged Horn Antenna (18-40 GHz)	Steatite	QMS-00880	19066	2021-09-02
Biconical Broadband Antenna (30 MHz - 1 GHz)	Schwarzbeck	VUBA 9117	357	2021-09-02
Double Ridged Broadband Horn Antenna (1 – 18 GHz)	Schwarzbeck	BBHA 9120 D	01760	2021-09-02
Broadband Horn Antenna (15 – 40 GHz)	Schwarzbeck	BBHA 9170	00862	2021-09-02
Test software	Rohde & Schwarz	EMC32 (V10.40.00)	N/A	N/A
Control PC	Dell	OptiPlex 7050	36NW9P2	N/A

2.3 Traceability

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

2.4 Calibration

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

2.5 Measurement Uncertainty

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

Item		Extended Uncertainty
Conducted Emission		± 2.74 dB
Radiated Emission (30-1000MHz)	Field strength (dB μ V/m)	4.27dB
Radiated Emission (above 1000MHz)	Field strength (dB μ V/m)	4.46dB
Radio Spectrum		± 1.5 dB

2.6 Location of Original Data

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

2.7 Status of Facility Used for Testing

The TÜV Rheinland (Shenzhen) Co., Ltd. Test facility located at No. 362 Huanguan Road Middle, Longhua District, Shenzhen 518110, 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 Tower Speaker which supports Bluetooth wireless technology.
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	Tower Speaker
Type Designation	EE2928
Trade Mark	PRIMARK
FCC ID	2AAR2EE2928
Operating Voltage	DC 5V via MicroUSB interface for charging DC 3.7V, 1200mAh
Testing Voltage	DC 3.7V
Technical Specification of Bluetooth (BR & EDR)	
Technical Specification	Value
Operating Frequency	2402 - 2480 MHz
Type of Modulation	GFSK, $\pi/4$ DQPSK, 8DPSK
Channel Number	79 channels
Channel Separation	1MHz
Wireless Technology	Bluetooth Core Version 5.0
Antenna Type	Integral Antenna
Max. Antenna Gain	1.00 dBi

Table 3: RF Channel and Frequency of 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: Frequency Hopping Information

Technical Specification	Description
Hopping Range	Hereby we declare that the frequency range of this device is 2402-2480MHz. This is according the Bluetooth Core Specification V5.0 for devices which will be operated in the USA. This was checked during the Bluetooth Qualification tests.
Hopping Sequence	Example of a 79 hopping sequence in data mode: 33,04,21,44,23,42,53,46,55,48,40,59,72,29,76,31,08,73,07,75,09,45,60,39,58,13,47,11,77,52,35,50,65,54,67,56,69,62,71,64,7,25,27,66,57,70,74,61,78,63,10,41,05,43,15,44,64,68,02,70,06,01,51,03,55,05,03,66,53,49,36,47..
Receiver input bandwidth	The input bandwidth of the receiver is 1MHz. In every connection one Bluetooth device is the master and the other one is the slave. The master determines the hopping sequence. The slave follows this sequence. Both devices shift between RX and TX time slot according to the clock of the master. Additionally the type of connection is set up at the beginning of the connection. The master adapts its hopping frequency and its TX/RX timing according to the packet type of the connection. Also the slave of the connection will use these settings. Repeating of a packer has no influence on the hopping sequence. The hopping sequence generated by the master of the connection will be followed in any case. That means a repeated packet will not be send on the same frequency, it is send on the next frequency of the hopping sequence.

3.3 Independent Operation Modes

The basic operation modes are:

- A. Bluetooth transmitting mode (BR & EDR)
 - 1. Low channel
 - 2. Middle channel
 - 3. High channel
- B. Transmitting on Hopping channels
- C. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.5 Submitted Documents

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

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: 2014.

4.3 Special Accessories and Auxiliary Equipment

Table 5: List of Accessories and Auxiliary Equipment

Description	Manufacturer	Model	S/N
Mobile Phone	Huawei	STK-AL00	N/A
AC/DC Adapter	Huawei	HW-050100C01	H779KBHAZ3

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 1GHz)

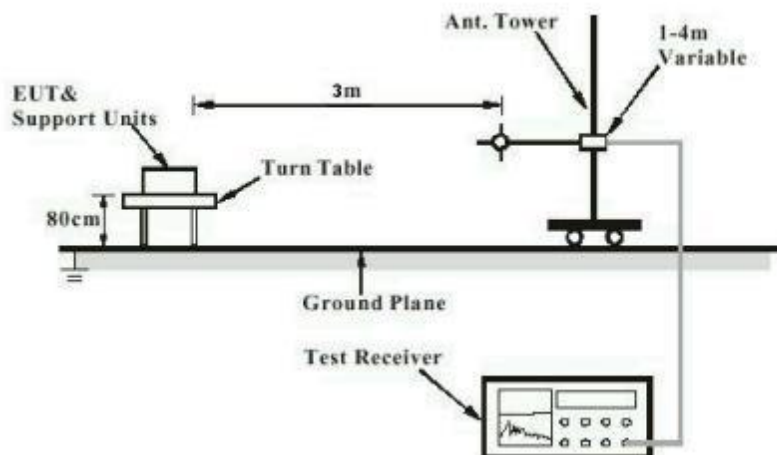


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

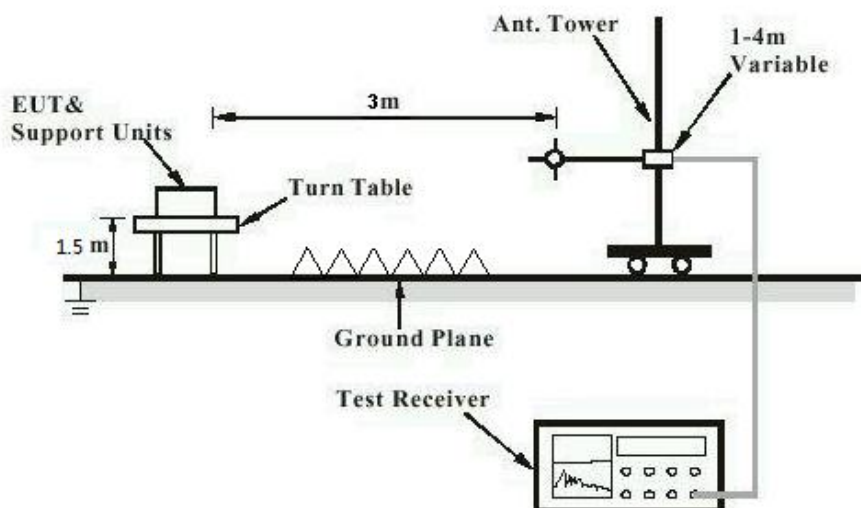


Diagram of Measurement Configuration for Mains Conduction Measurement

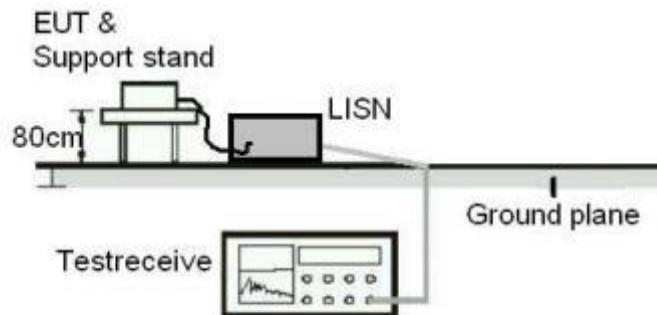
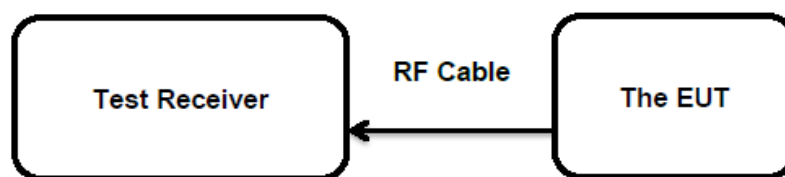


Diagram of Measurement Configuration for Conducted Transmitter Measurement



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

According to the manufacturer declared, the EUT has an integral antenna, the directional gain of antenna is 1dBi, 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 Peak Conducted Output Power

RESULT:
Pass
Test Specification

Test standard : FCC Part 15.247(b)(1)
 Basic standard : ANSI C63.10: 2014
 Limits : <0.125W
 Kind of test site : Shielded Room

Test Setup

Date of testing : 28.06.2021
 Input voltage : DC 3.7V
 Operation mode : A
 Test channel : Low / Middle / High
 Ambient temperature : 25.6 °C
 Relative humidity : 51 %
 Atmospheric pressure : 101 kPa

Table 6: Test Result of Maximum Peak Conducted Output Power

Test Mode	Channel Frequency (MHz)	Measured Peak Output Power		Limit (W)
		(dBm)	(W)	
BDR	2402	-2.30	0.00059	< 0.125
	2441	-3.70	0.00043	
	2480	-4.90	0.00032	
EDR	2402	0.70	0.00117	< 0.125
	2441	-0.90	0.00081	
	2480	-2.00	0.00063	

5.1.3 Conducted Spurious Emissions Measured in 100 kHz Bandwidth

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

Test standard : FCC Part 15.247(d)
Basic standard : ANSI C63.10: 2014
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 : 28.06.2021
Input voltage : DC 3.7V
Operation mode : A
Test channel : Low / Middle / High
Ambient temperature : 25.6 °C
Relative humidity : 51 %
Atmospheric pressure : 101 kPa

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

For the measurement records, refer to the appendix B.

Prüfbericht - Nr.: CN2151J1 001

Test Report No.:

Seite 18 von 25

Page 18 of 25

5.1.4 Radiated Spurious Emission**RESULT:****Pass****Test Specification**

Test standard	: FCC Part 15.247(d) & FCC Part 15.205
Basic standard	: ANSI C63.10: 2014
Limits	: Refer to 15.209(a) of FCC part 15.247(d)
Kind of test site	: 3m Semi-anechoic Chamber

Test Setup

Date of testing	: 05.07.2021
Input voltage	: DC 3.7V
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 23 °C
Relative humidity	: 51 %
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.

Worst case was found on BR mode, for the measurement records, refer to the appendix C.

5.1.5 20dB Bandwidth

RESULT:

Pass

Test Specification

Test standard : FCC Part 15.247(a)(1)
Basic standard : ANSI C63.10: 2014
Kind of test site : Shielded Room

Test Setup

Date of testing : 28.06.2021
Input voltage : DC 3.7V
Operation mode : A
Test channel : Low / Middle / High
Ambient temperature : 25.6 °C
Relative humidity : 51 %
Atmospheric pressure : 101 kPa

Table 7: Test Result of 20dB Bandwidth

Test Mode	Channel Frequency (MHz)	20dB Bandwidth (kHz)	2/3 of 20dB Bandwidth (kHz)	Limit (MHz)
BDR	2402	925	616.667	/
	2441	925	616.667	
	2480	925	616.667	
EDR	2402	1330	886.667	/
	2441	1330	886.667	
	2480	1330	886.667	

For the measurement records, refer to the appendix B.

5.1.6 Carrier Frequency Separation

RESULT:
Pass
Test Specification

Test standard : FCC Part 15.247(a)(1)
 Basic standard : ANSI C63.10: 2014
 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 : 28.06.2021
 Input voltage : DC 3.7V
 Operation mode : A
 Test channel : Low / Middle / High
 Ambient temperature : $25.6\text{ }^{\circ}\text{C}$
 Relative humidity : 51 %
 Atmospheric pressure : 101 kPa

Table 8: Test Result of Carrier Frequency Separation

Test Mode	Channel	Measured Channel Separation (MHz)	Limit (kHz)	Result
BR	Low Channel	0.980198	$\geq 25\text{kHz}$ or $2/3$ of 20dB bandwidth	Pass
	Middle Channel	1.009900		Pass
	High Channel	0.980198		Pass
EDR	Low Channel	0.980198		Pass
	Middle Channel	0.980198		Pass
	High Channel	1.009901		Pass

Note:

The limit is maximum $2/3$ of the 20 dB bandwidth: 886.667 KHz .

5.1.7 Number of Hopping Frequency

RESULT:

Pass

Test Specification

Test standard : FCC part 15.247(a)(1)(iii)
Basic standard : ANSI C63.10: 2014
Limits : ≥ 15 non-overlapping channels
Kind of test site : Shielded Room

Test Setup

Date of testing : 28.06.2021
Input voltage : DC 3.7V
Operation mode : B
Ambient temperature : 25.6 °C
Relative humidity : 51 %
Atmospheric pressure : 101 kPa

Table 9: Test Result of Number of Hopping Frequency

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

5.1.8 Time of Occupancy

RESULT:
Pass
Test Specification

Test standard : FCC part 15.247(a)(1)(iii)
 Basic standard : ANSI C63.10: 2014
 Limits : < 0.4s
 Kind of test site : Shielded Room

Test Setup

Date of testing : 28.06.2021
 Input voltage : DC 3.7V
 Operation mode : B
 Test channel : Low / Middle / High
 Ambient temperature : 25.6 °C
 Relative humidity : 51 %
 Atmospheric pressure : 101 kPa

Table 10: Test Result of Time of Occupancy

Test Mode	Channel	Data Packet	Measured Dwell time(s)	Limit (s)
BR	2441	DH1	0.127	< 0.4s
		DH3	0.269	
		DH5	0.302	
EDR	2441	2DH1	0.116	< 0.4s
		2DH3	0.226	
		2DH5	0.252	

Note:

Dwell time = Pulse width x (Hopping rate / Number of channels) x Period

Period = 0.4 x 79 (channel) = 31.6 seconds

5.1.9 Conducted Emission on AC Mains

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

Test standard	: FCC Part 15.207(a)
Basic standard	: ANSI C63.10: 2014
Frequency range	: 0.15 – 30MHz
Limits	: FCC Part 15.207(a)
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 24.06.2021
Input voltage	: AC 120V/60Hz
Operation mode	: B
Earthing	: Not connected
Ambient temperature	: 25.6 °C
Relative humidity	: 51 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix C.

6 Safety Human Exposure

6.1 Radio Frequency Exposure Compliance

6.1.1 Electromagnetic Fields

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

Test standard : CFR47 FCC Part 2.1093
FCC KDB Publication 447498 v06

Limit : CFR47 FCC Part 1.1310

The measured maximum conducted power of the EUT is 0.7dBm $\approx$ 1.17mW, which is far below the SAR exclusion threshold level 10mW (Appendix B, SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and <50 mm), hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01: Mobile and Portable RF Exposure. Guidance v06.

7 Photographs of the Test Set-Up

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

8 List of Tables

Table 1: List of Test and Measurement Equipment	5
Table 2: Technical Specification of EUT	8
Table 3: RF Channel and Frequency of Bluetooth.....	9
Table 4: Frequency Hopping Information	10
Table 5: List of Accessories and Auxiliary Equipment.....	12
Table 6: Test Result of Maximum Peak Conducted Output Power	16
Table 7: Test Result of 20dB Bandwidth	19
Table 8: Test Result of Carrier Frequency Separation.....	20
Table 9: Test Result of Number of Hopping Frequency	21
Table 10: Test Result of Time of Occupancy.....	22

Appendix B

Test Results of Conducted Testing

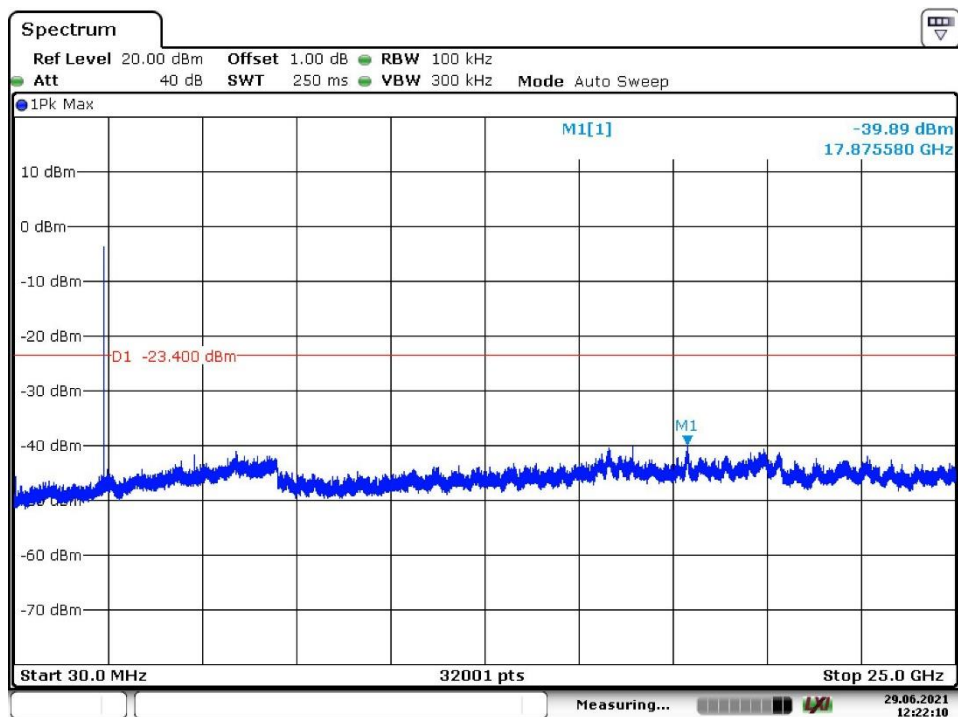
APPENDIX B.....	1
APPENDIX B.1: TEST PLOTS OF CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 kHz BANDWIDTH.....	2
<i>BR Mode, Low Channel</i>	2
<i>BR Mode, Middle Channel</i>	3
<i>BR Mode, High Channel</i>	4
<i>BR, Hopping</i>	5
<i>EDR Mode, Low Channel</i>	6
<i>EDR Mode, Middle Channel</i>	7
<i>EDR Mode, High Channel</i>	8
<i>EDR, Hopping</i>	9
<i>BR Mode, Band Edge, Low Channel</i>	10
<i>BR Mode, Band Edge, High Channel</i>	10
<i>BR Mode, Hopping Band Edge</i>	11
<i>EDR Mode, Band Edge, Low Channel</i>	12
<i>EDR Mode, Band Edge, High Channel</i>	12
<i>EDR Mode, Hopping Band Edge</i>	13

Appendix B.1: Test Plots of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

BR Mode, Low Channel

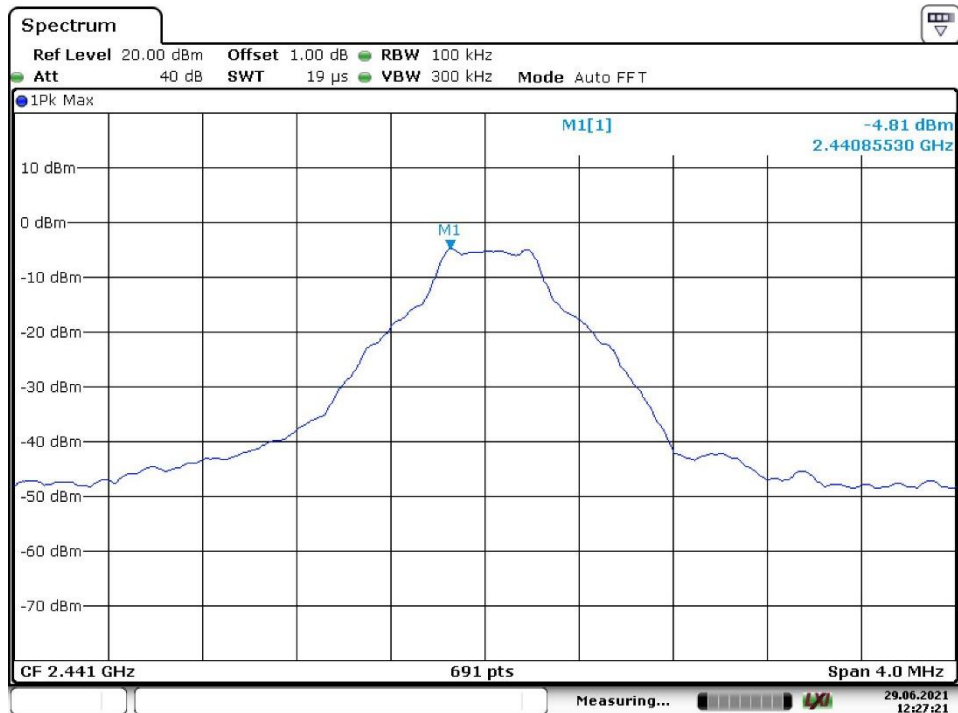


Date: 29.JUN.2021 12:15:59

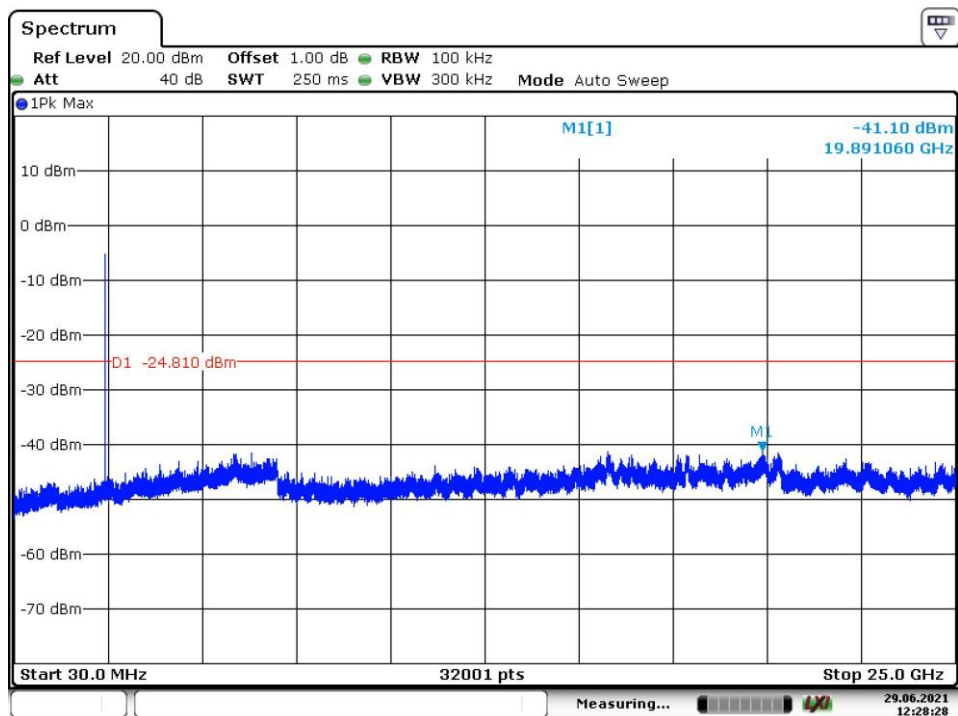


Date: 29.JUN.2021 12:22:10

BR Mode, Middle Channel

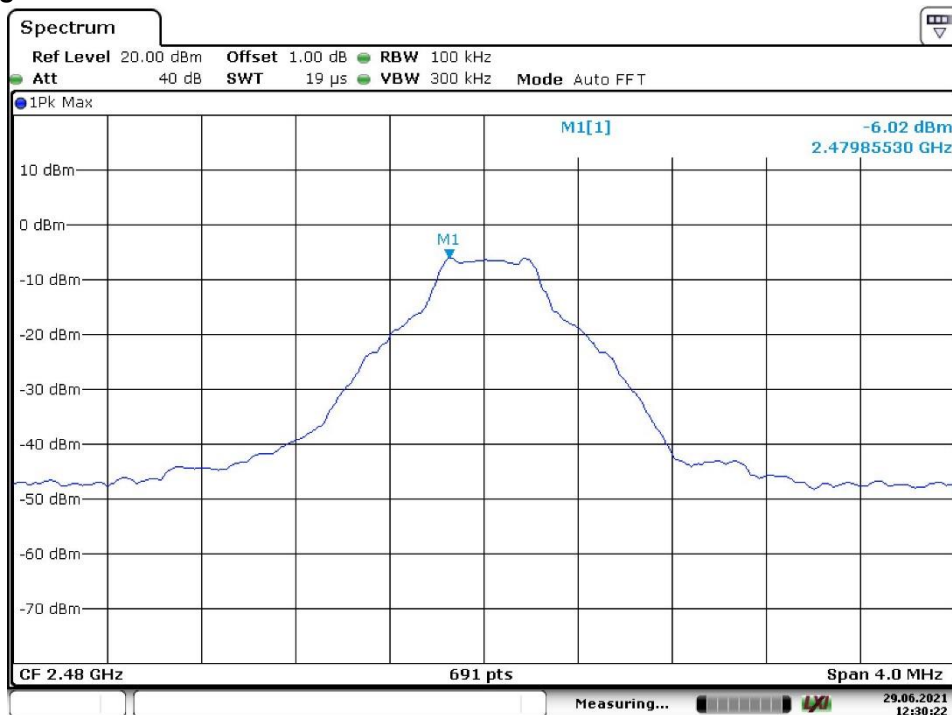


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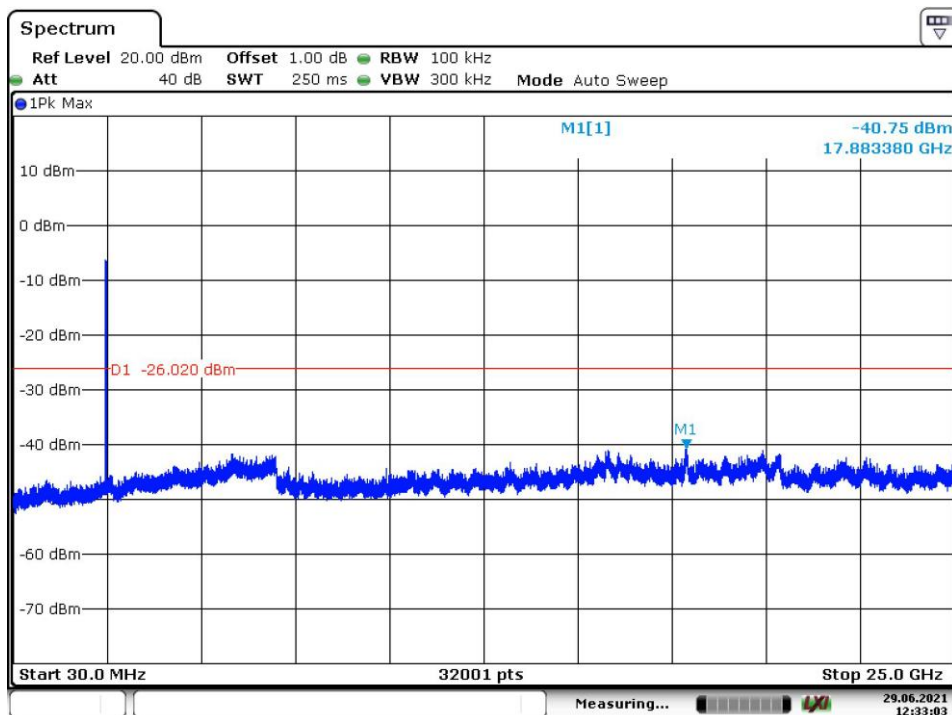


Date: 29.JUN.2021 12:28:28

BR Mode, High Channel

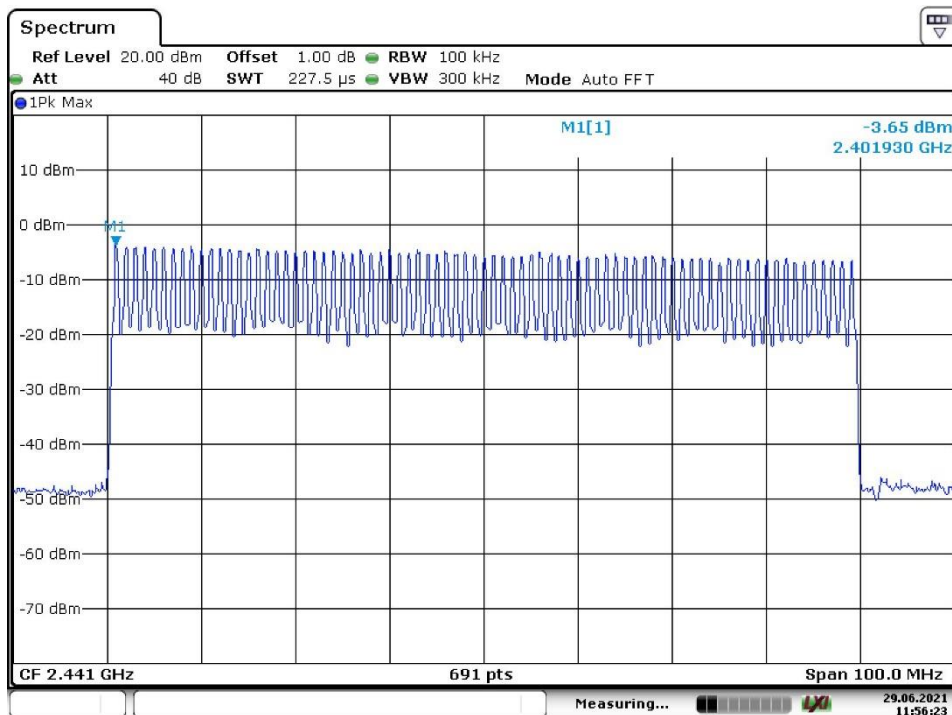


Date: 29.JUN.2021 12:30:21

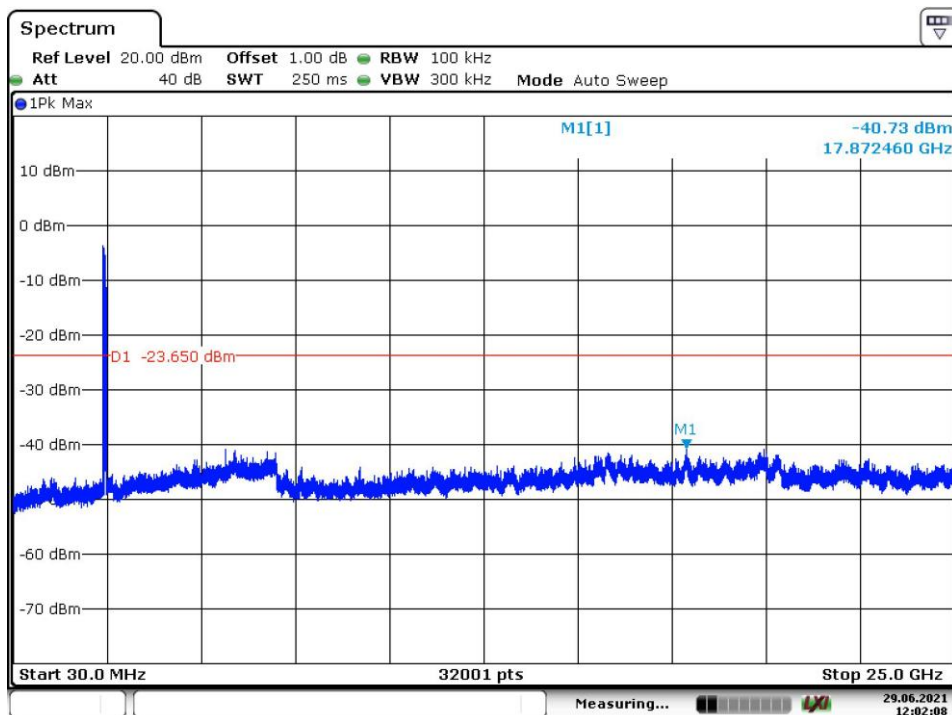


Date: 29.JUN.2021 12:33:03

BR, Hopping

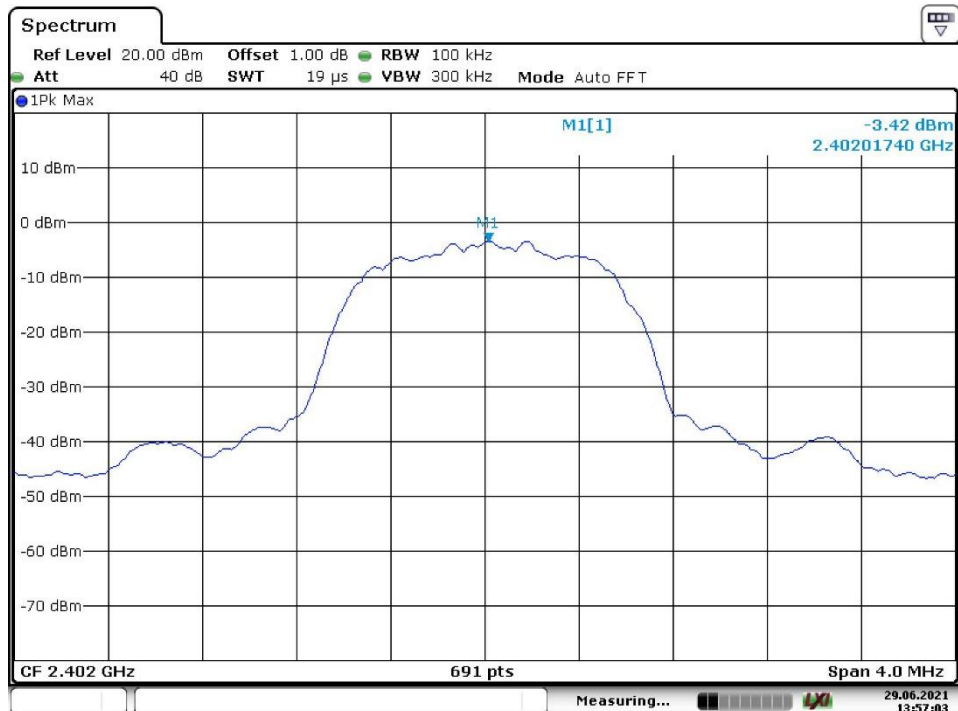


Date: 29.JUN.2021 11:56:23

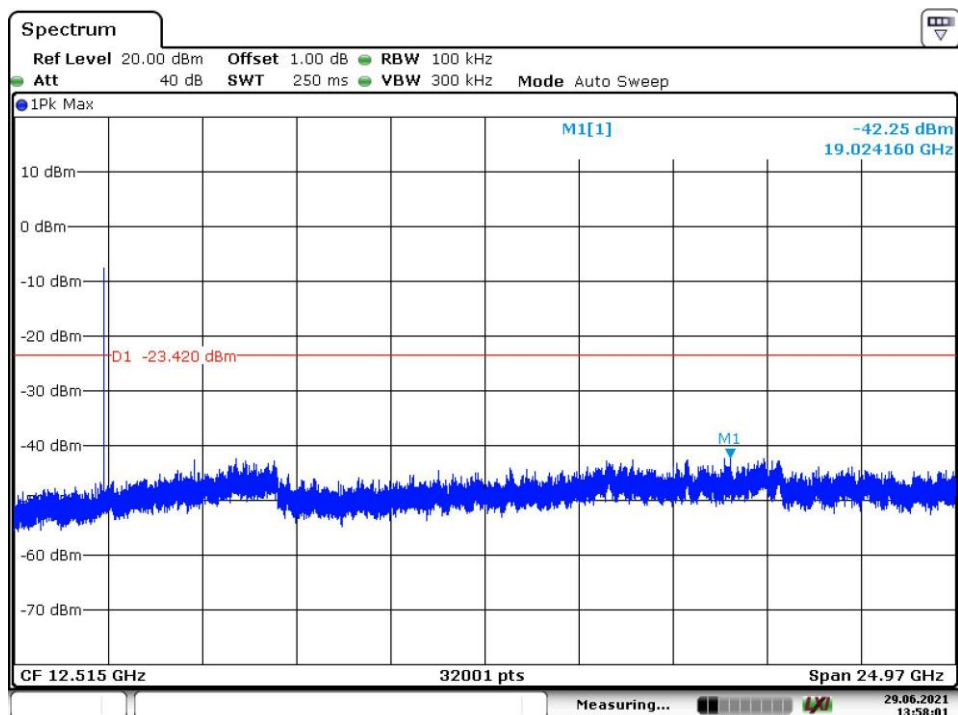


Date: 29.JUN.2021 12:02:07

EDR Mode, Low Channel



Date: 29.JUN.2021 13:57:03

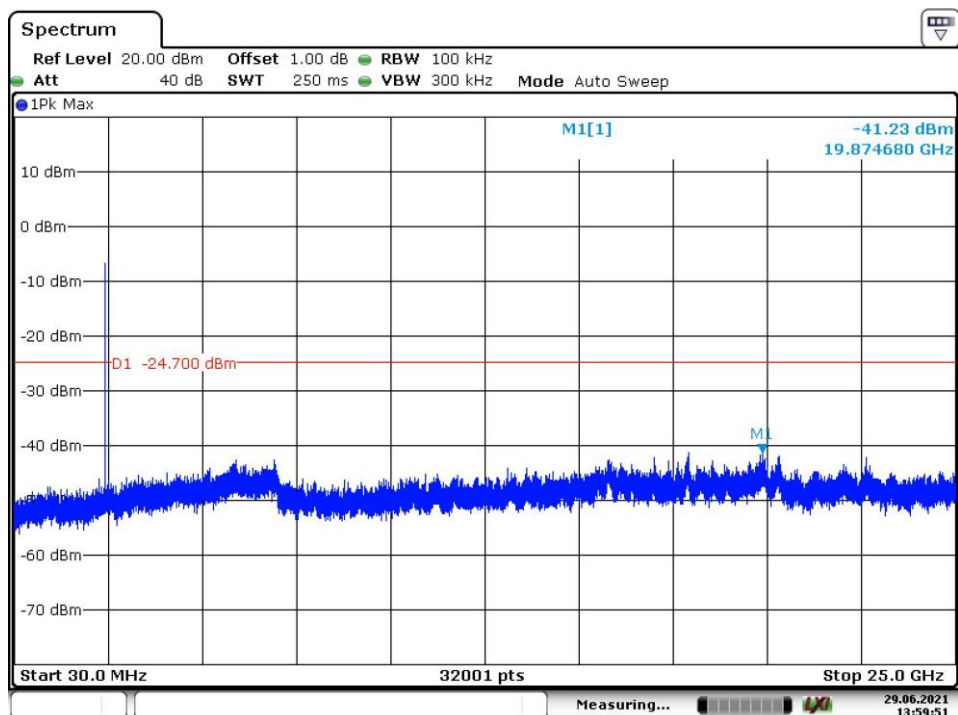


Date: 29.JUN.2021 13:58:01

EDR Mode, Middle Channel



Date: 29.JUN.2021 13:59:24

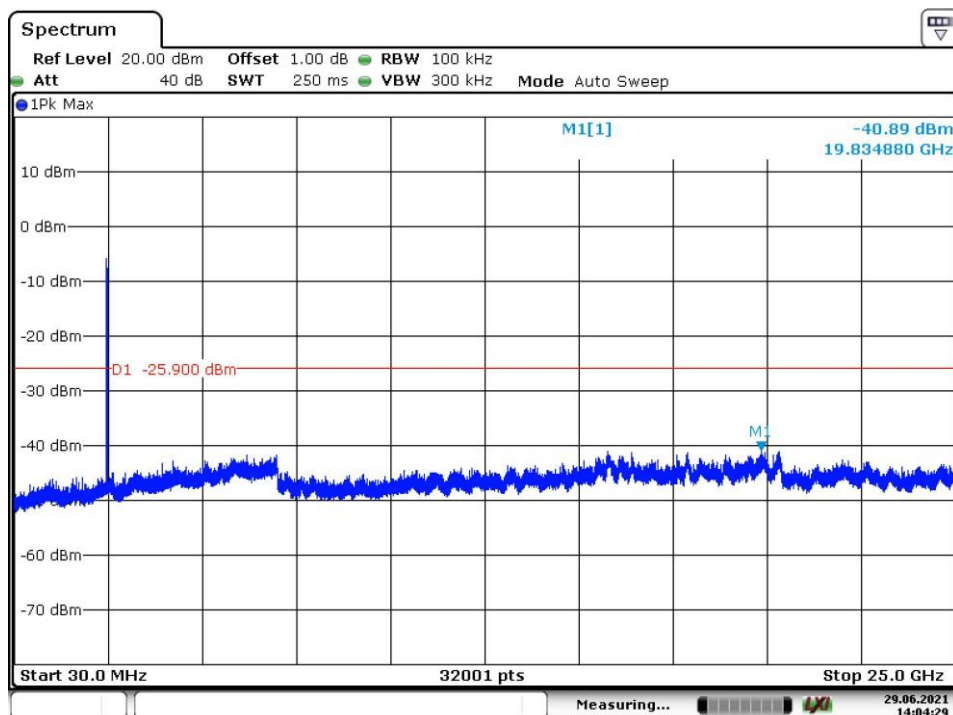


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EDR Mode, High Channel

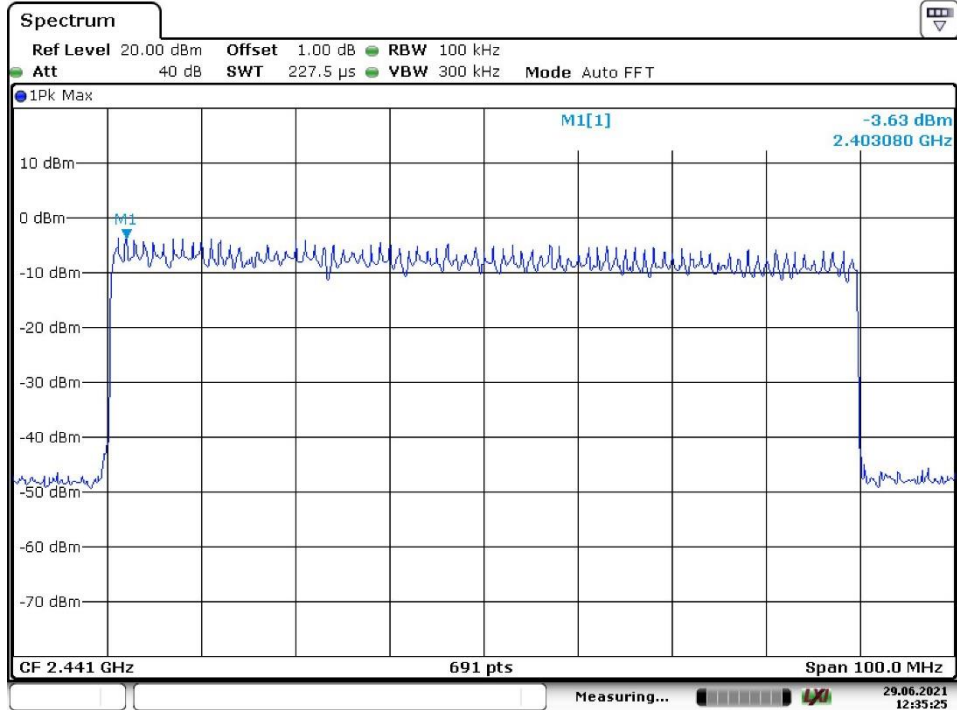


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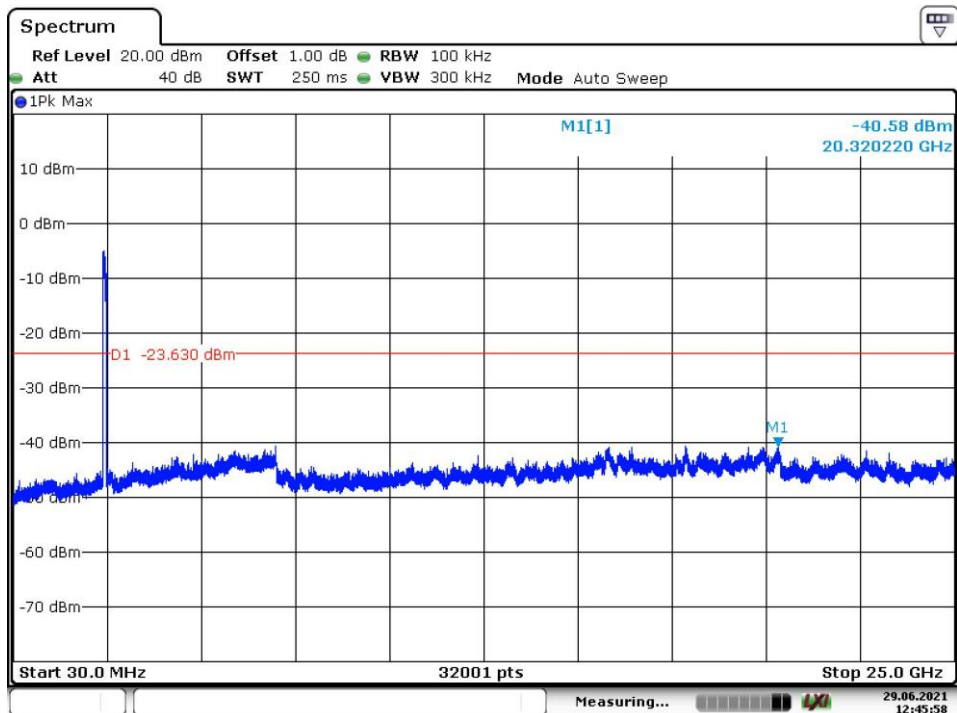


Date: 29.JUN.2021 14:04:29

EDR, Hopping

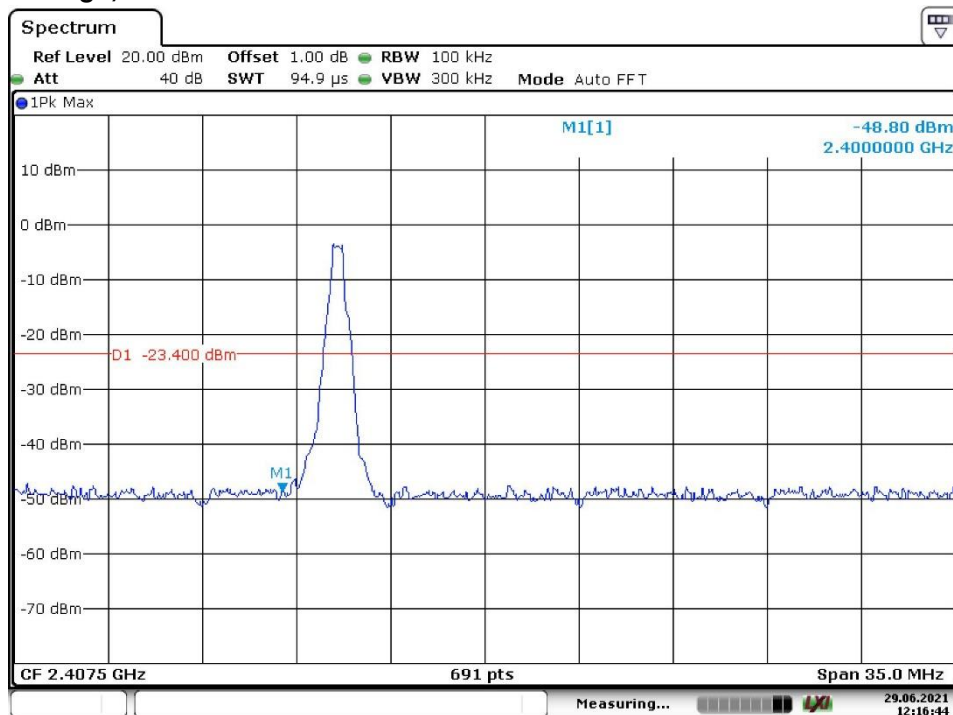


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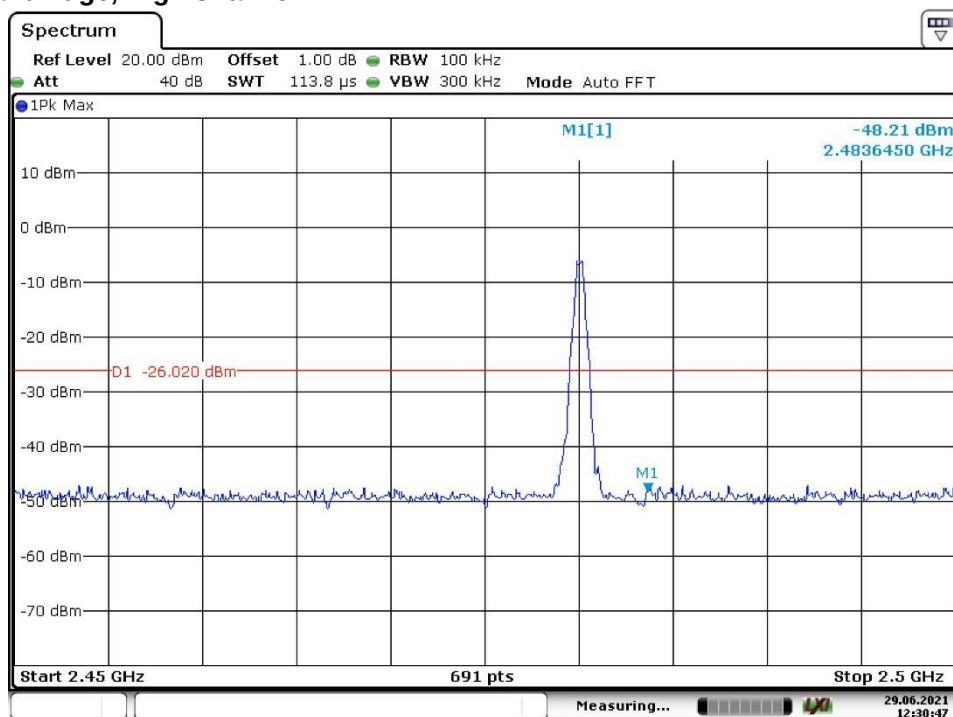
Date: 29.JUN.2021 12:45:58

BR Mode, Band Edge, Low Channel



Date: 29.JUN.2021 12:16:43

BR Mode, Band Edge, High Channel



Date: 29.JUN.2021 12:30:47