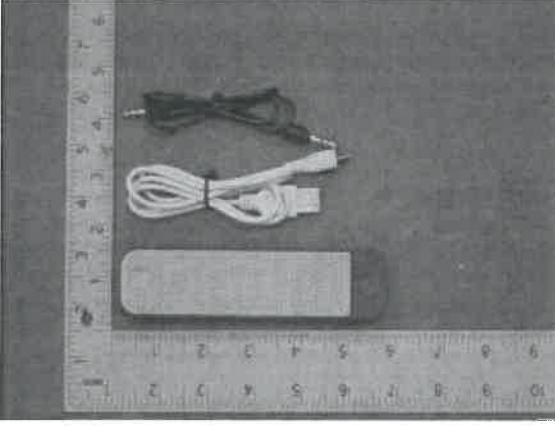


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Kunden-Referenz-Nr.: <i>Client reference No.:</i>	636964	Auftragsdatum: <i>Order date.:</i>	17.12.2015		
Auftraggeber: <i>Client:</i>	Saide Tekstil San ve Tic A.S. Saide Is Merkezi Yenibosna Merkez Mah Yalcin Kores Cad Arifaga Sok No:25 34197 Istanbul Turkey				
Prüfgegenstand: <i>Test item:</i>	Baton Speaker				
Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i>	6254703, 6254701, 6254702, 8091701, 8091702				
Auftrags-Inhalt: <i>Order content:</i>	FCC approval				
Prüfgrundlage: <i>Test specification:</i>	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 FCC KDB Publication 447498 v06 CFR47 FCC Part 15: Subpart B Section 15.107 CFR47 FCC Part 15: Subpart B Section 15.109				
Wareneingangsdatum: <i>Date of receipt:</i>	24.12.2015				
Prüfmuster-Nr.: <i>Test sample No.:</i>	1600225 - 1600227				
Prüfzeitraum: <i>Testing period:</i>	25.01.2016 - 30.01.2016				
Ort der Prüfung: <i>Place of testing:</i>	Accurate Technology Co., Ltd.				
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.				
Prüfergebnis*: <i>Test result*:</i>	Pass				
geprüft von / tested by:	kontrolliert von / reviewed by:				
15.03.2016	Ryan Yang / Senior Project Engineer				
Datum <i>Date</i>	Name/Stellung <i>Name/Position</i>	Unterschrift <i>Signature</i>	Datum <i>Date</i>	Name/Stellung <i>Name/Position</i>	
Sam Lin / Technical Certifier					
Sonstiges / Other:					
FCC ID: 2AHIT-62547					
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>			Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged:</i>		
* Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft P(ass) = entspricht o.g. Prüfgrundlage(n) F(all) = 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(all) = 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 auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines.					
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.					

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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

RESULT: Pass

5.1.10 RADIATED EMISSION

RESULT: Pass

6.1.1 ELECTROMAGNETIC FIELDS

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: Test Results of Bluetooth 2.1+ EDR of Conducted Testing

Appendix B: Test Results of Bluetooth 2.1+ EDR of Radiated Testing

2 Test Sites

2.1 Test Facilities

Accurate Technology Co., Ltd.

F1, Bldg. A, Changyuan New Material Port Keyuan Rd., Science & Industry Park, Nanshan Shenzhen,
518057, P.R. China

FCC Registration No.: 752051

Test site Industry Canada No.: 5077A-2

The tests at the test sites have been conducted under the supervision of a TÜV engineer.

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2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Accurate Technology Co., Ltd.

Radio Spectrum Test				
Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
Spectrum Analyzer	R&S	ESPI3	100396/003	09.01.2017
Spectrum Analyzer	Agilent	E7405A	MY45115511	09.01.2017
Temp. & Humid. Chamber	Gongwen	HSD-500	0109	09.01.2017
Conducted Emission				
Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
Test Receiver	R&S	ESCS30	100307	09.01.2017
L.I.S.N.	Schwarzbeck	NLSK8126	8126431	09.01.2017
Pulse Limiter	R&S	ESH3-Z2	100815	09.01.2017
50_ Coaxial Switch	Anritsu Corp	MP59B	6200283933	09.01.2017
Radiated Emission & Spurious Emission				
Equipment	Manufacturer	Model No.	Serial No.	Cal. Until
Spectrum Analyzer	R&S	FSV40	101495	01.01.2017
Test Receiver	R&S	ESCS30	100307	01.01.2017
Bilog Antenna	Schwarzbeck	VULB9163	9163-323	01.01.2017
Loop Antenna	Schwarzbeck	FMZB1516	1516131	01.01.2017
Horn Antenna	Schwarzbeck	BBHA9120D	9120D-655	01.01.2017
Horn Antenna	Schwarzbeck	BBHA9170	9170-359	01.01.2017
RF Switching Unit+PreAMP	Compliance Direction	RSU-M2	38322	01.01.2017
Pre-Amplifier	R&S	CBLU11835 40-01	3791	01.01.2017
50 Coaxial Switch	Anritsu Corp	MP59B	6200506474	01.01.2017
RF Coaxial Cable	SUHNER	N-3m	No.8	01.01.2017
RF Coaxial Cable	RESENBERGER	N-3.5m	No.9	01.01.2017
RF Coaxial Cable	SUHNER	N-6m	No.10	01.01.2017
RF Coaxial Cable	RESENBERGER	N-12m	No.11	01.01.2017
50_ Coaxial Switch	Anritsu Corp	MP59B	6200283933	01.01.2017

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	U=1.94dB, k=2, σ=95%
Radiated Emission (9kHz-30MHz)	U=3.08dB, k=2, σ=95%
Radiated Emission (30-1000MHz)	U=4.42dB, k=2, σ=95%
Radiated Emission (above 1000MHz)	U=4.06dB, k=2, σ=95%
Radio Spectrum	± 0.60 dB
Ambient Temperature	25 °C
Relative Humidity	56 %
Atmospheric Pressure	101 kPa

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 Accurate Technology Co., Ltd. Test facility located at F1, Bldg. A, Changyuan New Material Port Keyuan Rd., Science & Industry Park, Nanshan Shenzhen, 518057, P.R. 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 Baton Speaker. It supports Bluetooth 2.1 + EDR wireless technology.

According to the declaration of the applicant, the electrical circuit design, PCB layout and components used are identical for all models, only the model No. and colour of enclosure are different.

Model Difference:

Model No.	Colour
6254701	White
6254702	Pink
6254703	Blue
8091701	Pink
8091702	Blue

For details refer to the User Manual, Technical Description and Circuit Diagram.

3.2 Ratings and System Details

Table 2: Technical Specification of EUT

Technical Specification	Value
Kind of Equipment	Baton Speaker
Type Designation	6254703, 6254701, 6254702, 8091701, 8091702
FCC ID	2AHIT-62547
Operating Frequency	2402-2480 MHz
Operating Temperature Range	-40 °C ~ +40 °C
Operating Voltage	DC 3.7V, 450mAh via Internal rechargeable lithium battery
Testing Voltage	DC 3.7V, 450mAh via Internal rechargeable lithium battery DC 5.0V via USB port for charging
Type of Modulation	GFSK, π/4DQPSK
Channel Number	79 channels
Channel Separation	1MHz
Wireless Technology	Bluetooth 2.1 + EDR
Antenna Type	PCB Antenna
Antenna Gain	-0.68 dBi

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Table 3: RF Channel and Frequency of Bluetooth

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	/	/

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Table 4: Frequency Hopping Information

Technical Specification	Description
Hopping Range	Hereby we declare that the maximum frequency of this device is: 2402-2480MHz. This is according the Bluetooth Core Specification V2.1 + EDR for devices which will be operated in the USA. This was checked during the Bluetooth Qualification tests (Test Case: TRM/CA/04-E).
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. On, Bluetooth transmitting mode (BDR & EDR mode)
 - 1. Transmitting
 - a. Low Channel
 - b. Middle Channel
 - c. High Channel
 - 2. Receiving
- B. On, Transmitting on Hopping channel
- C. On, Bluetooth connecting mode
- D. On, Charging mode via USB port
- E. On, Aux in mode
- F. Off

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3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.5 Submitted Documents

- Application Form
- Block Diagram
- FCC/IC Label and Location
- Photo Document
- Bill of Material
- Circuit Diagram
- Operation Description
- 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 and ANSI C63.4: 2014

According to clause 3.1, all tests were performed on model 6254703 in this report.

4.3 Special Accessories and Auxiliary Equipment

Table 5: List of Accessories and Auxiliary Equipment

Description	Manufacturer	Model	S/N	Rating
iPhone 6	Apple	MG4J2 CH/A	F17NTK2QG5MV	N/A
Notebook PC	Lenovo	ThinkPad X240	N/A	N/A
Printer	HP	HP laserjet 1015	CNFG030424	N/A

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)

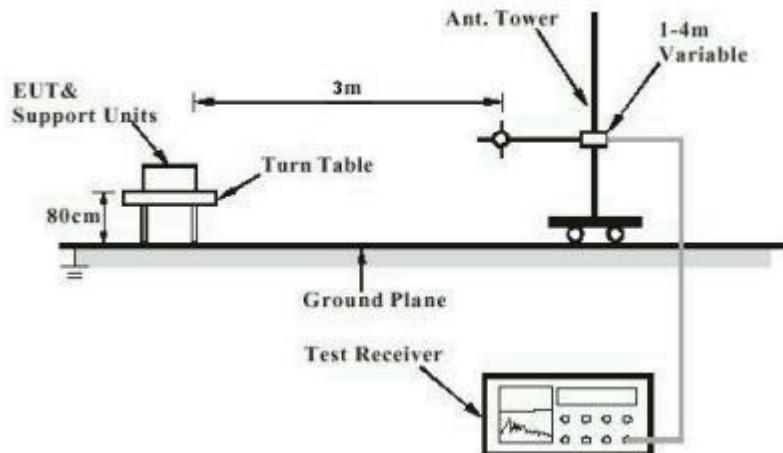
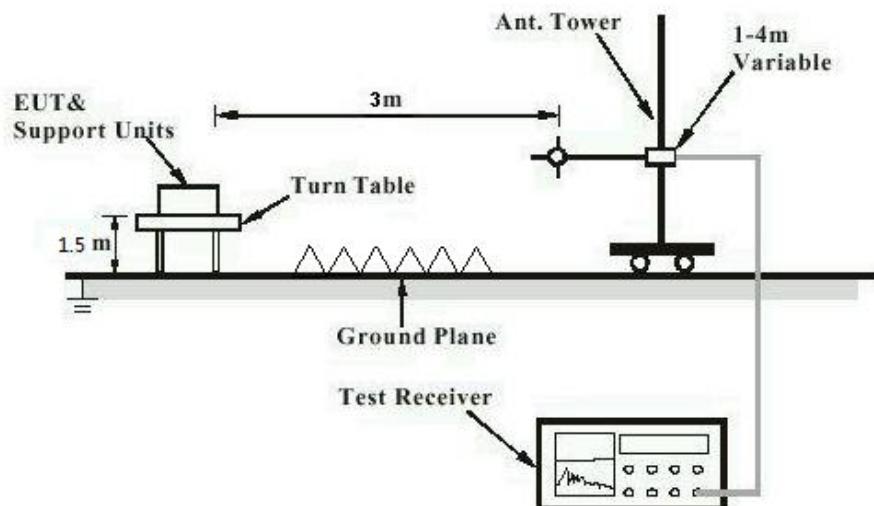
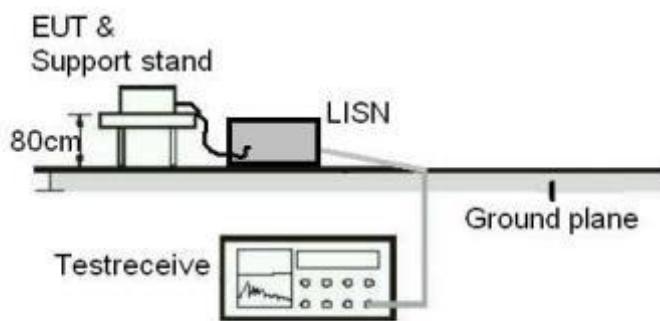
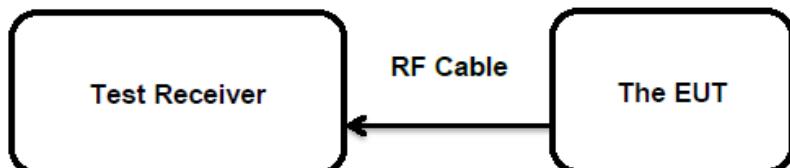


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)



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Test Report No.Seite 14 von 30
Page 14 of 30**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 internal antenna, the directional gain of antenna is -0.68 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.

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 Peak Conducted Output Power

RESULT:
Pass
Test Specification

Test standard	:	FCC Part 15.247(b)(1)
Basic standard	:	ANSI C63.10: 2013
Limits	:	< 0.125 Watts
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	27.01.2016
Input voltage	:	DC 5.0V via USB port for charging
Operation mode	:	A.1
Test channel	:	Low / Middle / High
Ambient temperature	:	25 °C
Relative humidity	:	56 %
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	-0.94	0.00081	< 0.125
	2441	-1.09	0.00078	
	2480	-1.35	0.00073	
EDR	2402	-2.29	0.00059	< 0.125
	2441	-2.56	0.00055	
	2480	-2.83	0.00052	
Maximum Measured Value		-0.94	0.00081	/

Note: The cable loss is taken into account in results.

For the measurement records, refer to the appendix A.

Prüfbericht - Nr.: 17057467 001
*Test Report No.*Seite 17 von 30
Page 17 of 30**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: 2013
Limits	:	20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power); In addition, radiated emissions which fall in the restricted bands, must also comply with the radiated emission limits specified in 15.209(a)
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	27.01.2016
Input voltage	:	DC 5.0V via USB port for charging
Operation mode	:	A.1
Test channel	:	Low / Middle / High
Ambient temperature	:	25 °C
Relative humidity	:	56 %
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 A.

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*Test Report No.*Seite 18 von 30
Page 18 of 30**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: 2013
Limits	:	Refer to 15.209(a) of FCC part 15.247(d)
Kind of test site	:	3m Semi-anechoic Chamber & 3m Full-anechoic Chamber

Test Setup

Date of testing	:	30.01.2016
Input voltage	:	DC 5.0V via USB port for charging
Operation mode	:	A.1
Test channel	:	Low / Middle / High
Ambient temperature	:	25 °C
Relative humidity	:	56 %
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.

Pre-test the EUT in continuous transmitting mode at the low (2402 MHz), middle (2441 MHz) and high (2480 MHz) channel with different data packet. Compliance test in continuous transmitting mode with BDR mode (DH5) as the worst case was found.

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

For the measurement records, refer to the appendix A.

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5.1.5 20dB Bandwidth

RESULT:
Pass
Test Specification

Test standard	:	FCC Part 15.247(a)(1)
Basic standard	:	ANSI C63.10: 2013
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	27.01.2016
Input voltage	:	DC 5.0V via USB port for charging
Operation mode	:	A.1
Test channel	:	Low / Middle / High
Ambient temperature	:	25 °C
Relative humidity	:	56 %
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	950.80	633.867	/
	2441	950.80	633.867	
	2480	950.80	633.867	
EDR	2402	1367.60	911.733	/
	2441	1371.90	914.600	
	2480	1371.90	914.600	
Maximum Measured Value		1371.90	914.600	/

For the measurement records, refer to the appendix A.

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5.1.6 Carrier Frequency Separation

RESULT:
Pass
Test Specification

Test standard	:	FCC Part 15.247(a)(1)
Basic standard	:	ANSI C63.10: 2013
Limits	:	$\geq 25\text{kHz}$ or 2/3 of 20dB bandwidth, whichever is greater
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	27.01.2016
Input voltage	:	DC 5.0V via USB port for charging
Operation mode	:	B
Test channel	:	Low / Middle / High
Ambient temperature	:	25 °C
Relative humidity	:	56 %
Atmospheric pressure	:	101 kPa

Table 8: Test Result of Carrier Frequency Separation

Channel	Channel Frequency (MHz)	Measured Channel Separation (KHz)	Limit (kHz)	Result
Low Channel	2402	1002.9	$\geq 25\text{kHz}$ or 2/3 of 20dB bandwidth	Pass
Adjacency Channel	2403			
Middle Channel	2441	1002.9	$\geq 25\text{kHz}$ or 2/3 of 20dB bandwidth	Pass
Adjacency Channel	2442			
High Channel	2480	1002.9	$\geq 25\text{kHz}$ or 2/3 of 20dB bandwidth	Pass
Adjacency Channel	2479			

Note:

The limit is maximum 2/3 of the 20 dB bandwidth: 914.600 KHz.

For the measurement records, refer to the appendix A.

Prüfbericht - Nr.: 17057467 001
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Page 21 of 30**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: 2013
Limits	:	≥ 15 non-overlapping channels
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	27.01.2016
Input voltage	:	DC 5.0V via USB port for charging
Operation mode	:	B
Ambient temperature	:	25 °C
Relative humidity	:	56 %
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

For the measurement records, refer to the appendix A.

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Test Report No.

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5.1.8 Time of Occupancy

RESULT:
Pass
Test Specification

Test standard	:	FCC part 15.247(a)(1)(iii)
Basic standard	:	ANSI C63.10: 2013
Limits	:	< 0.4s
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	27.01.2016
Input voltage	:	DC 5.0V via USB port for charging
Operation mode	:	B
Test channel	:	Low / Middle / High
Ambient temperature	:	25 °C
Relative humidity	:	56 %
Atmospheric pressure	:	101 kPa

Table 10: Test Result of Time of Occupancy

Test Mode	Data Packet	Pulse width (ms)	Measured Dwell time(s)	Limit (s)	Result
BDR mode	DH1	0.393	0.126	< 0.4s	Pass
	DH3	1.647	0.264		
	DH5	2.893	0.309		
EDR mode	2DH1	0.393	0.126		
	2DH3	1.647	0.264		
	2DH5	2.887	0.308		

Note:

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

Period = 0.4 (seconds/ channel) x 79 (channel) = 31.6 seconds

For the measurement records, refer to the appendix A.

Prüfbericht - Nr.: 17057467 001
*Test Report No.*Seite 23 von 30
Page 23 of 30**5.1.9 Conducted Emission****RESULT:****Pass****Test Specification**

Test standard	:	FCC Part 15.207(a) & FCC Part 15.107(a)
Basic standard	:	ANSI C63.10: 2013 & ANSI C63.4: 2014
Frequency range	:	0.15 – 30MHz
Limits	:	FCC Part 15.207(a) & FCC Part 15.107(a)
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	30.01.2016
Input voltage	:	DC 5.0V via USB port for charging
Operation mode	:	C, D
Earthing	:	Not connected
Ambient temperature	:	25 °C
Relative humidity	:	56 %
Atmospheric pressure	:	101 kPa

For the measurement records, refer to the appendix B.

Prüfbericht - Nr.: 17057467 001
*Test Report No.*Seite 24 von 30
Page 24 of 30**5.1.10 Radiated Emission****RESULT:** Pass**Test Specification**

Test standard	:	FCC Part 15.109(a)
Basic standard	:	ANSI C63.4: 2014
Frequency range	:	30 - 6000MHz
Classification	:	Class B
Limits	:	FCC Part 15.109(a)
Kind of test site	:	3m Semi-anechoic Chamber & 3m Full-anechoic Chamber

Test Setup

Date of testing	:	30.01.2016
Input voltage	:	DC 5.0V via USB port for charging
Operation mode	:	D, E
Earthing	:	Not connected
Ambient temperature	:	23 °C
Relative humidity	:	48 %
Atmospheric pressure	:	101 kPa

For the measurement records, refer to the appendix B.

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Test Report No.

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6 Safety Human Exposure

6.1 Radio Frequency Exposure Compliance

6.1.1 Electromagnetic Fields

RESULT:

Pass

Test Specification

Test standard : FCC KDB Publication 447498 v06

Measurement Record:

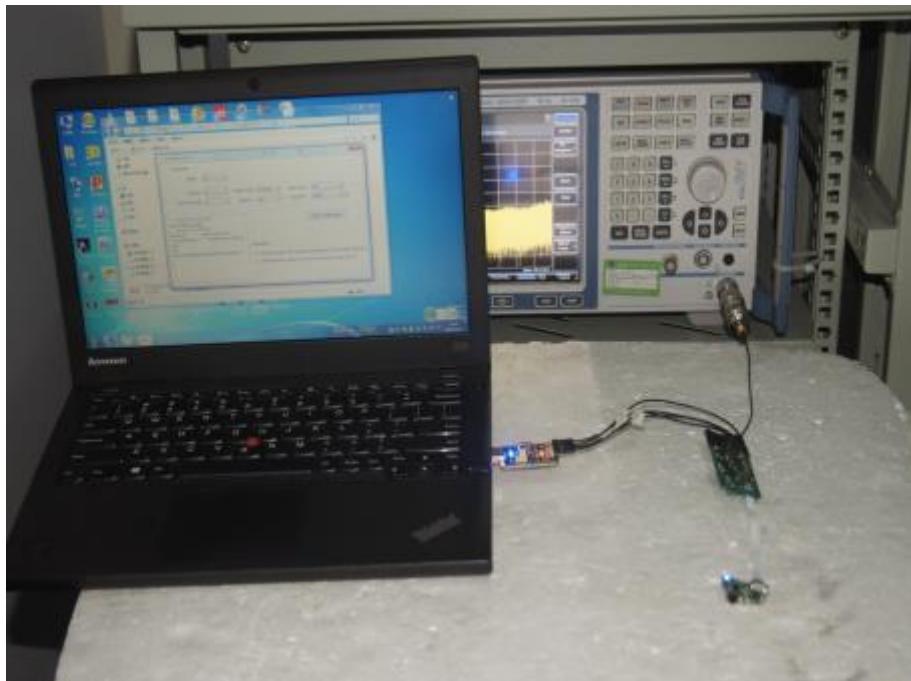
The minimum distance for the EUT is less than 5mm.

Since maximum peak output power of the transmitter is $-0.94 \text{ dBm} \approx 0.81 \text{ mW} < 10 \text{ mW}$.

Hence the EUT is excluded from SAR evaluation according to FCC KDB Publication 447498 D01 General RF Exposure Guidance v06.

7 Photographs of the Test Set-Up

Photograph 1: Set-up for Conducted Testing



Photograph 2: Set-up for Radiated Spurious Emission (9kHz ~ 30MHz)

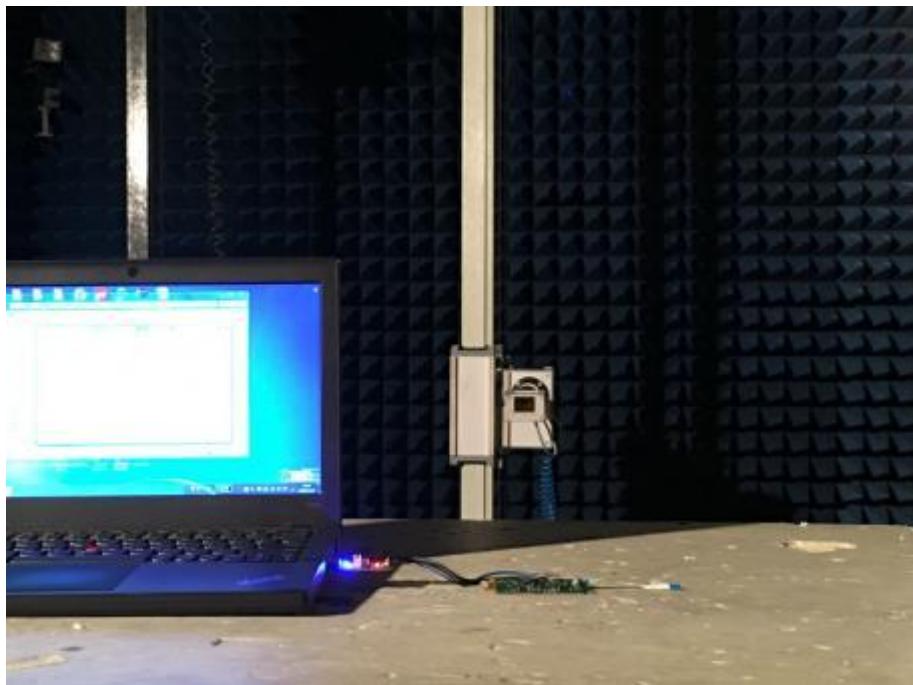


Prüfbericht - Nr.: 17057467 001
Test Report No.Seite 27 von 30
Page 27 of 30**Photograph 3: Set-up for Radiated Spurious Emission (30MHz~1GHz)****Photograph 4: Set-up for Radiated Spurious Emission (1GHz ~ 18GHz)**

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Test Report No.

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Photograph 5: Set-up for Radiated Spurious Emission (18GHz ~ 26GHz)



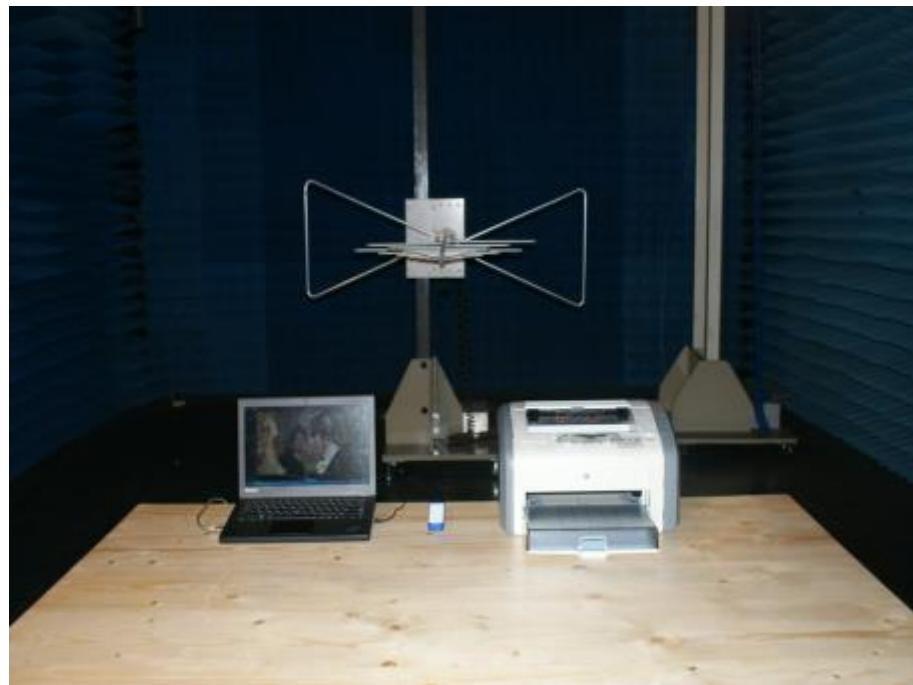
Photograph 6: Set-up for Conducted Emission



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Test Report No.

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Photograph 7: Set-up for Radiated Emission (30MHz ~ 1GHz)



Photograph 8: Set-up for Radiated Emission (1GHz ~ 6GHz)



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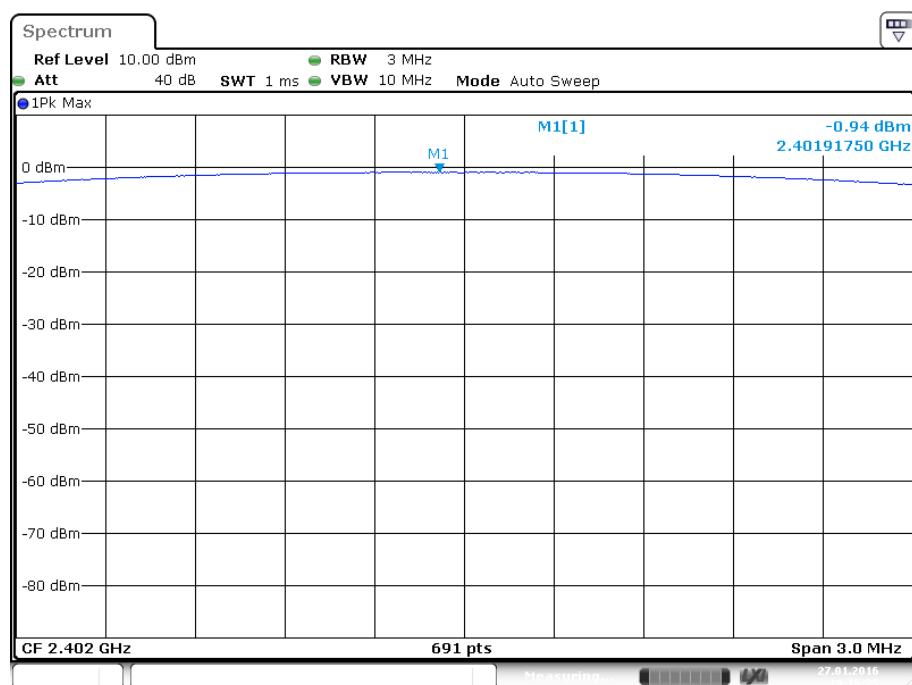
Appendix A

Test Results of Bluetooth 2.1+ EDR of Conducted Testing

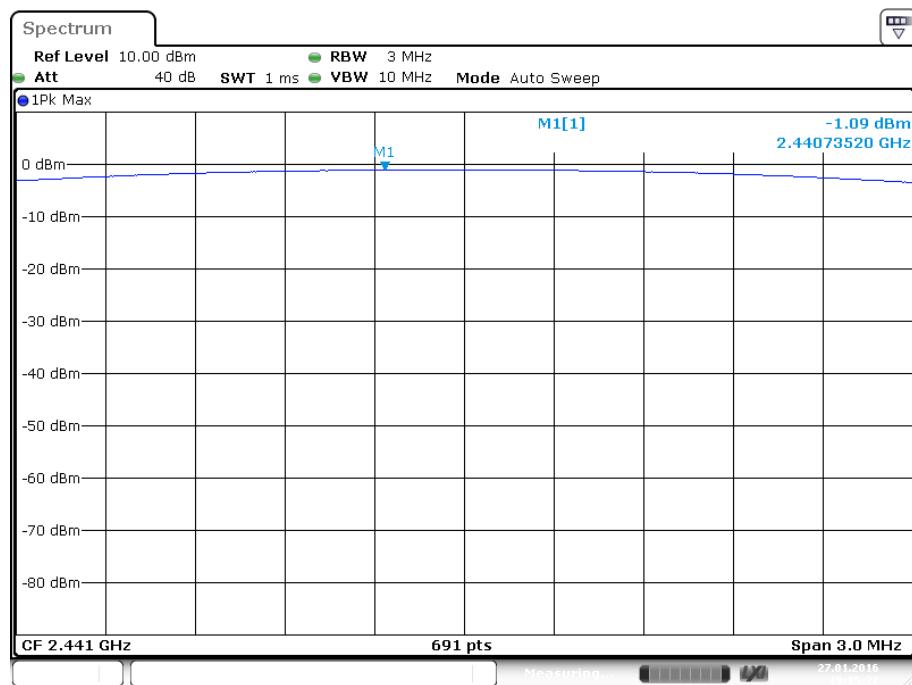
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Appendix A.1: Maximum Peak Conducted Output Power

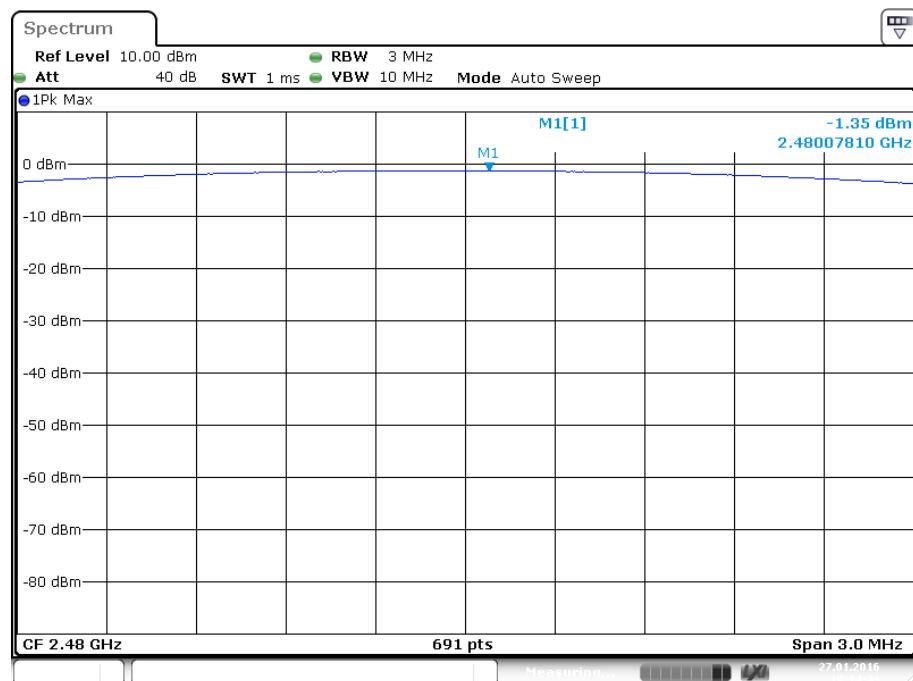
BDR Mode, DH1



Date: 27.JAN.2016 19:16:25

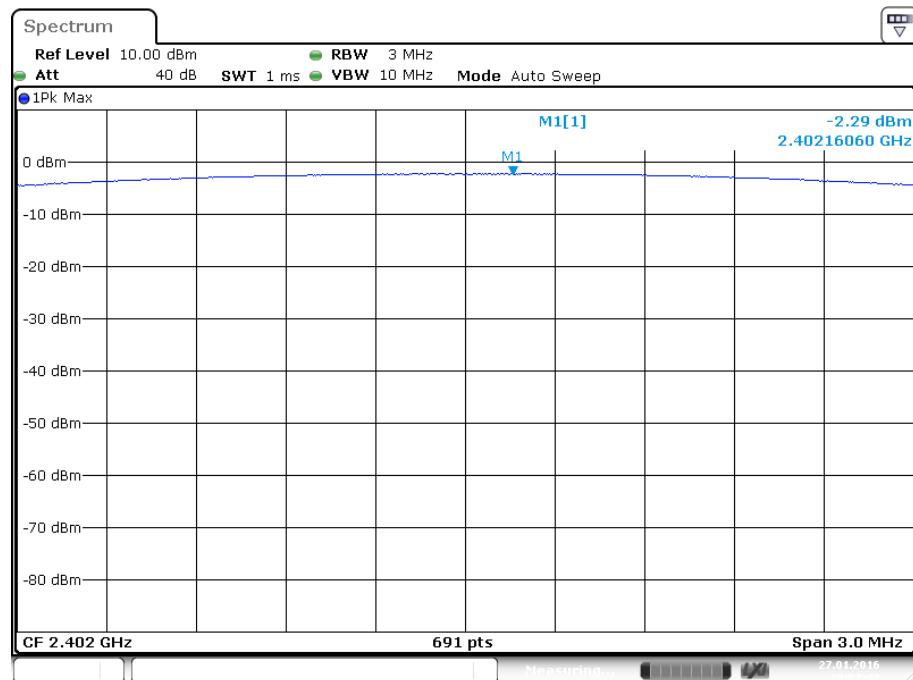


Date: 27.JAN.2016 19:15:38

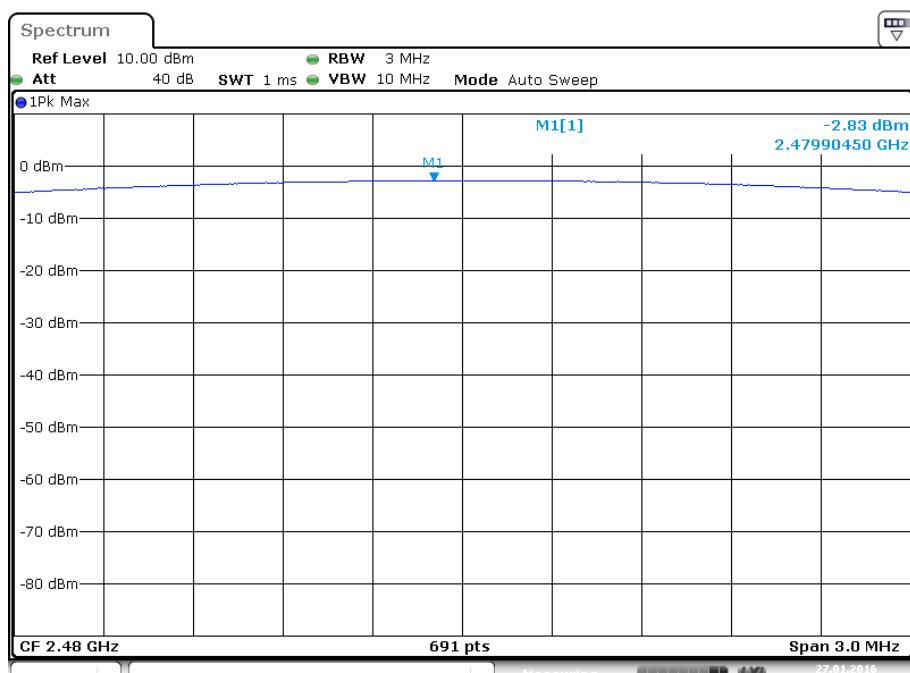
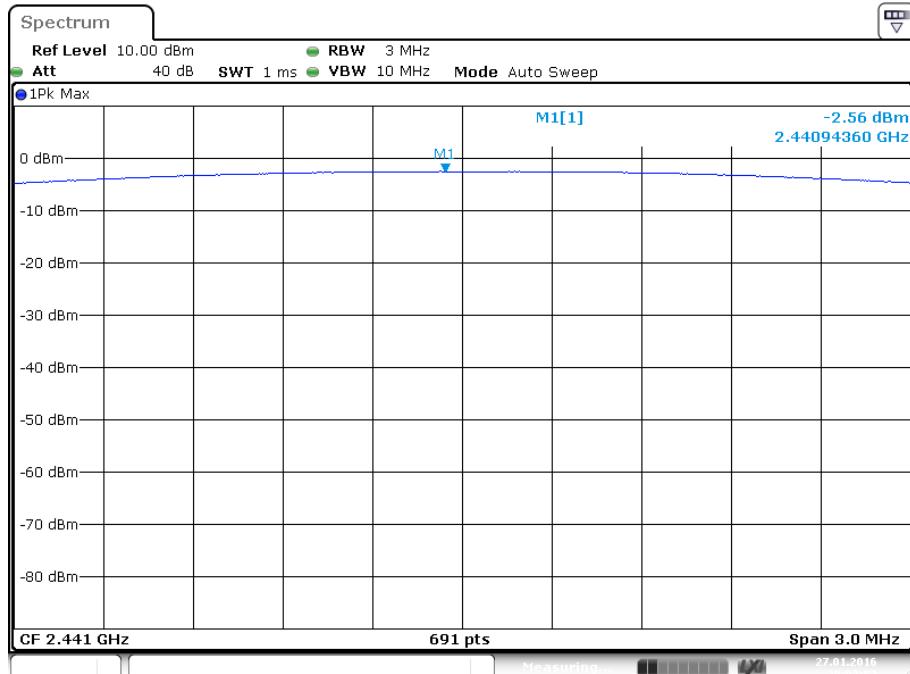


Date: 27.JAN.2016 19:14:44

EDR Mode, 2DH1

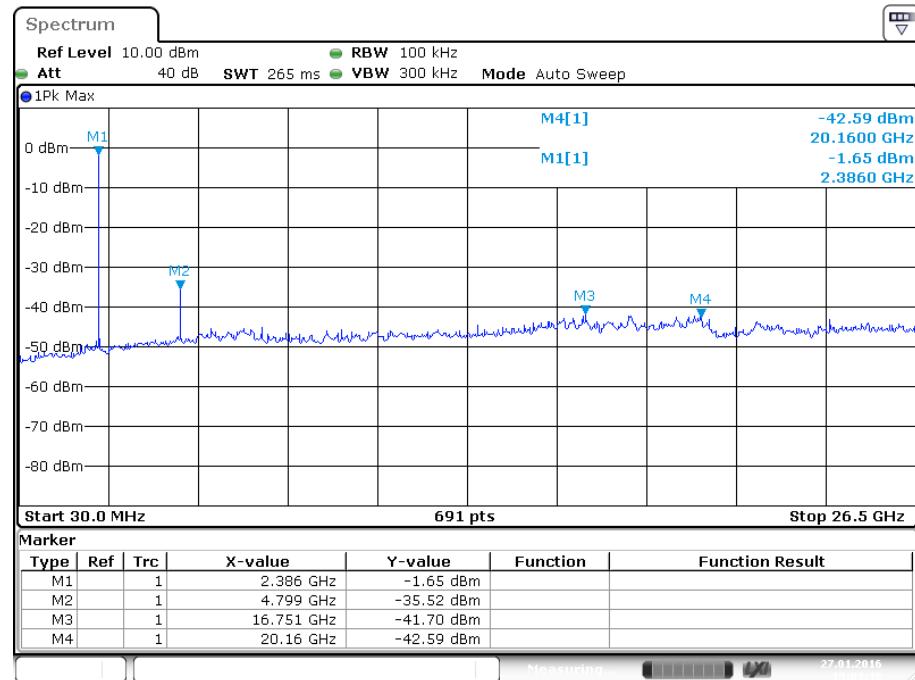


Date: 27.JAN.2016 20:02:43

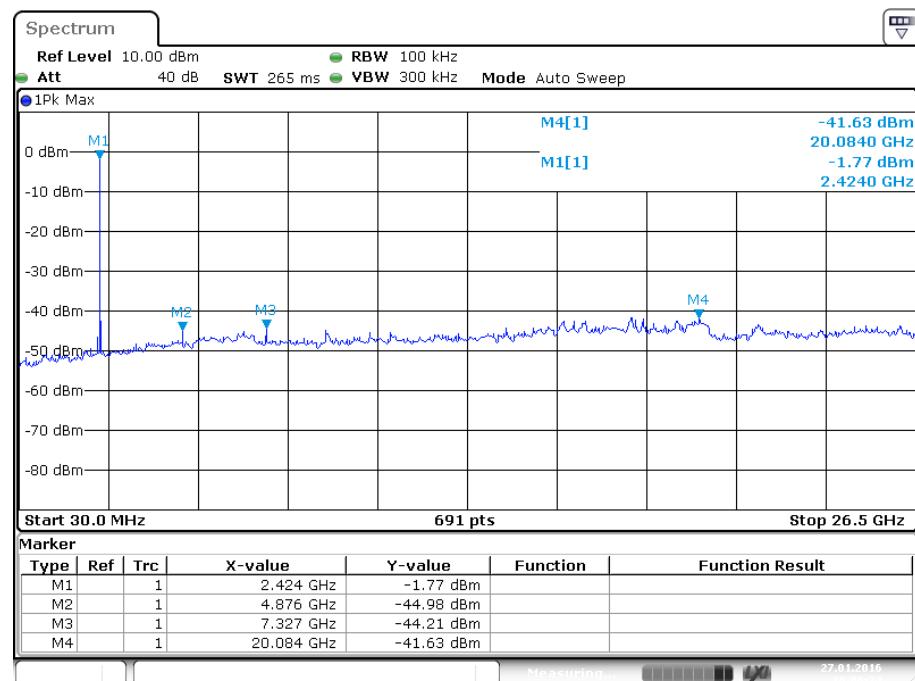


Appendix A.2: Conducted Spurious Emissions Measured in 100 kHz Bandwidth

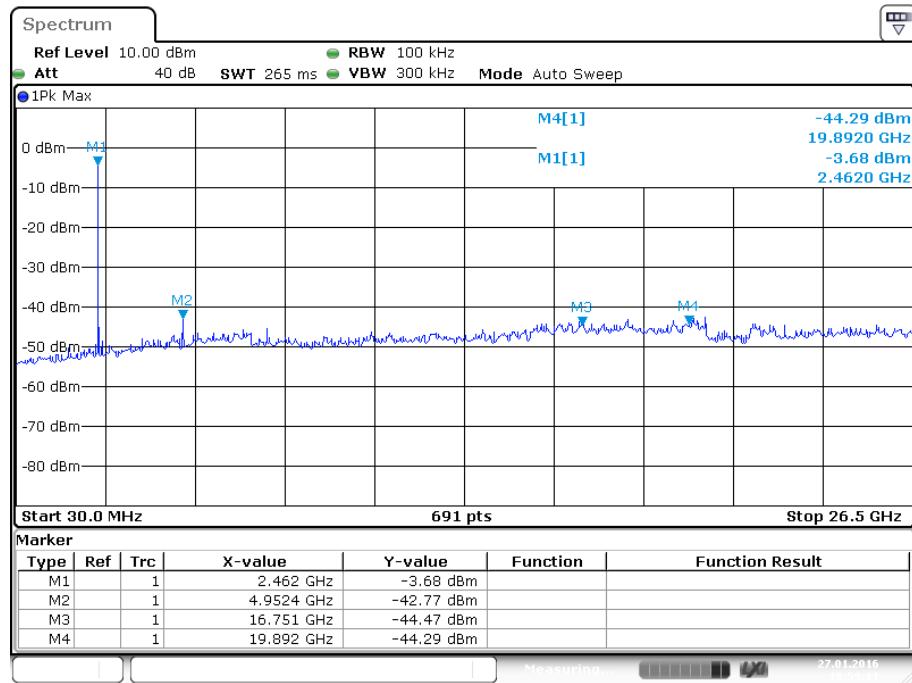
BDR Mode, DH1



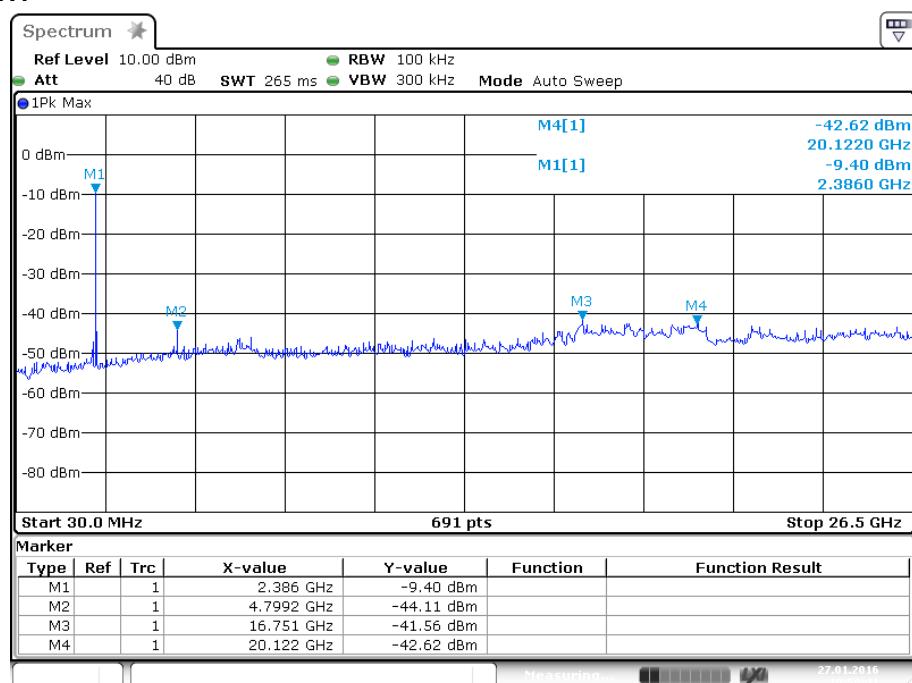
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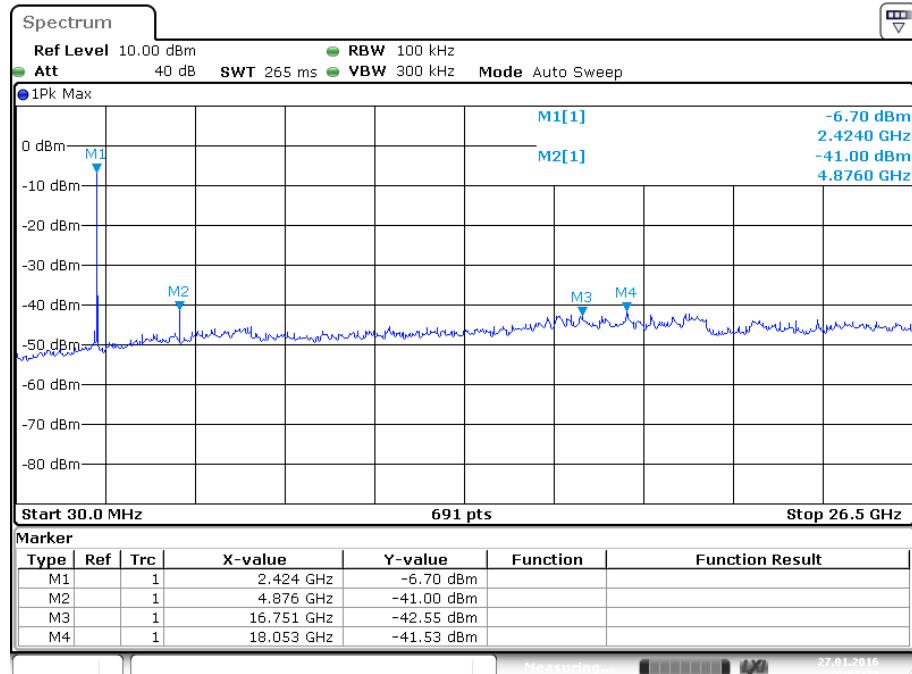


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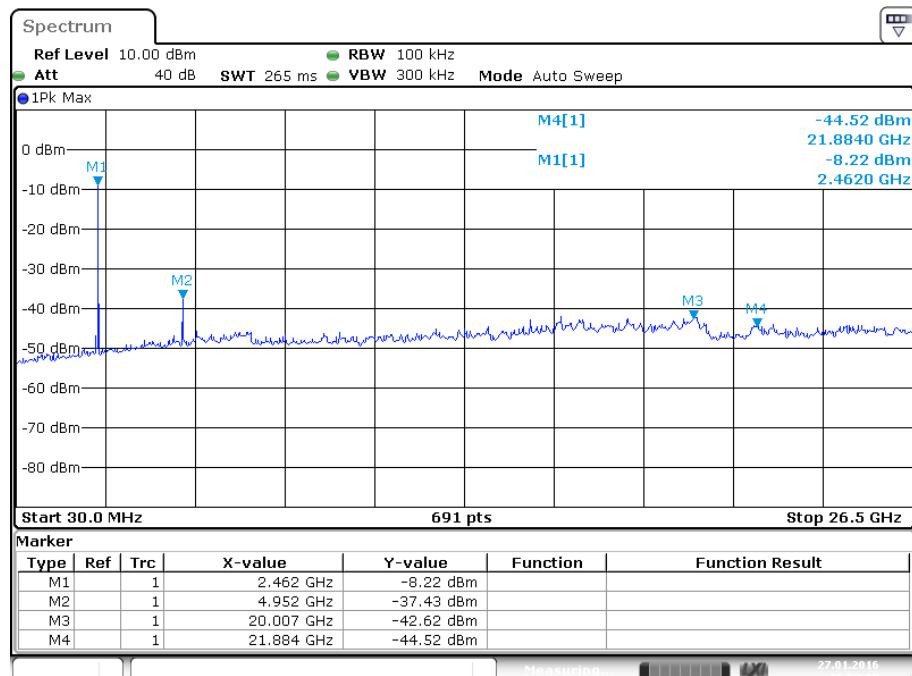


EDR Mode, 2DH1



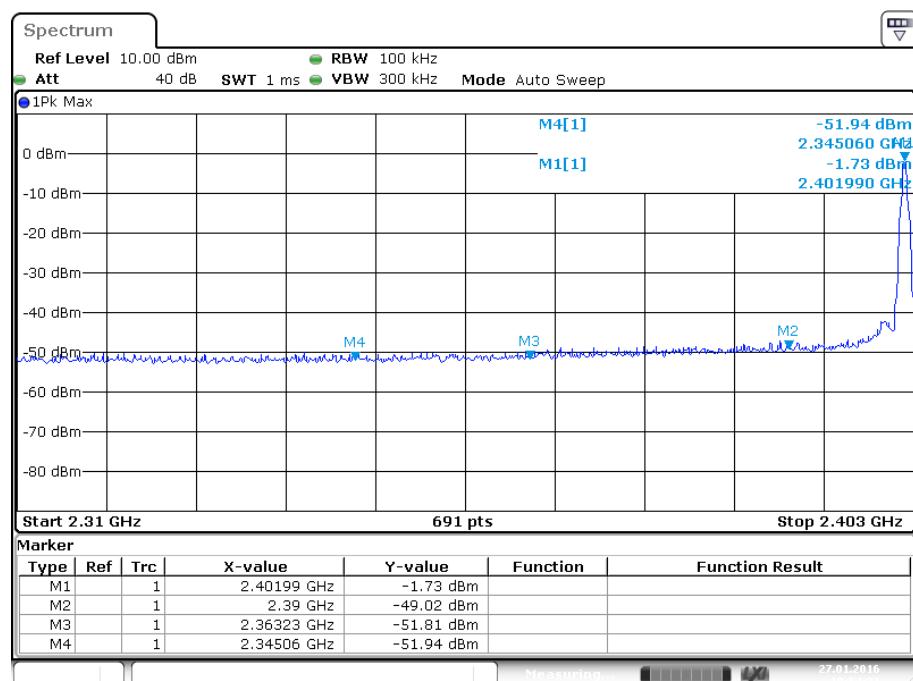


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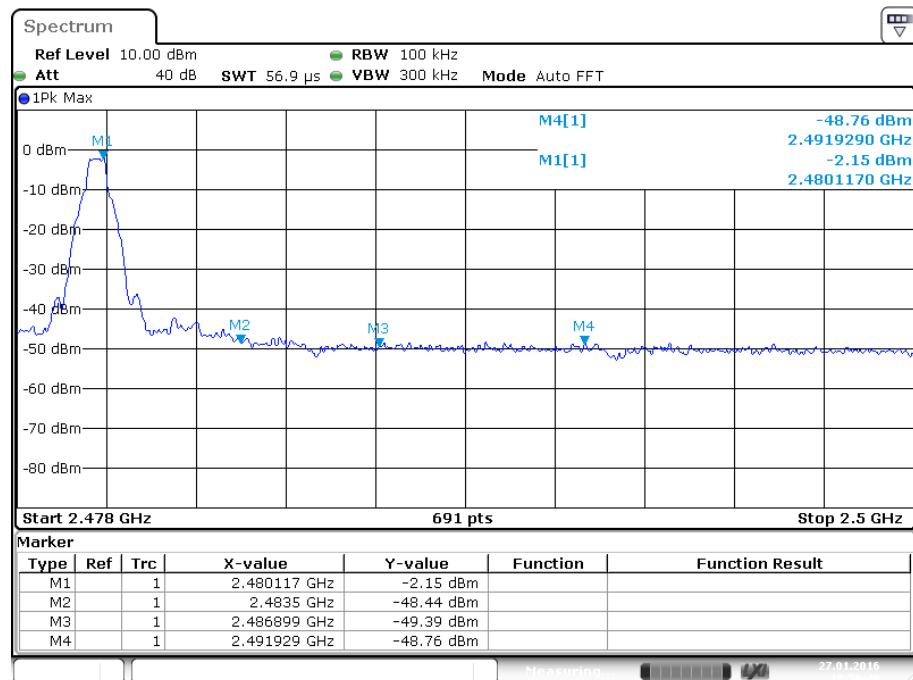


Date: 27.JAN.2016 19:52:18

BDR Mode, Band Edge

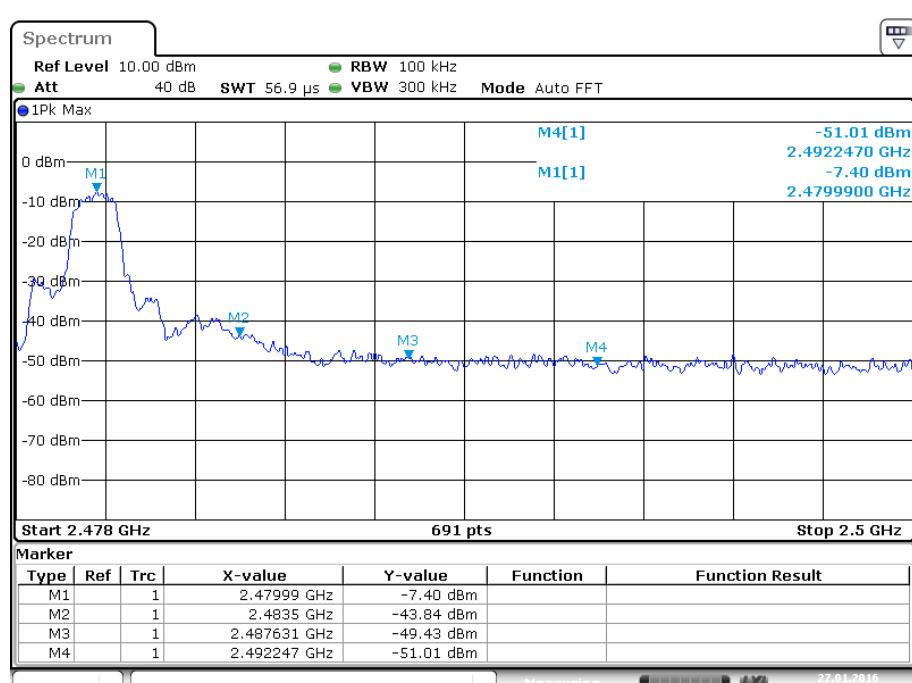
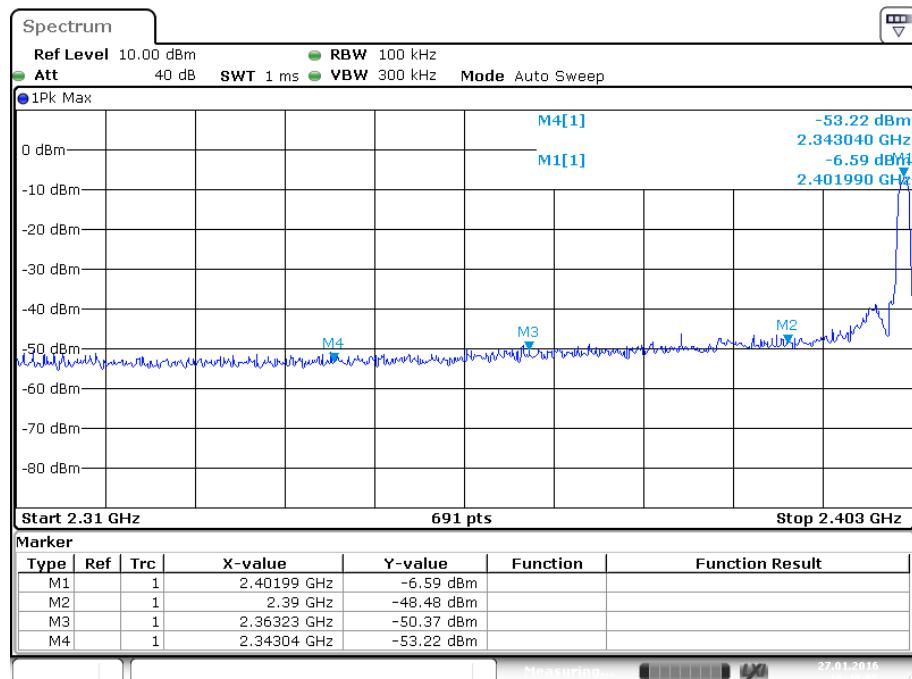


Date: 27.JAN.2016 18:54:32



Date: 27.JAN.2016 18:56:40

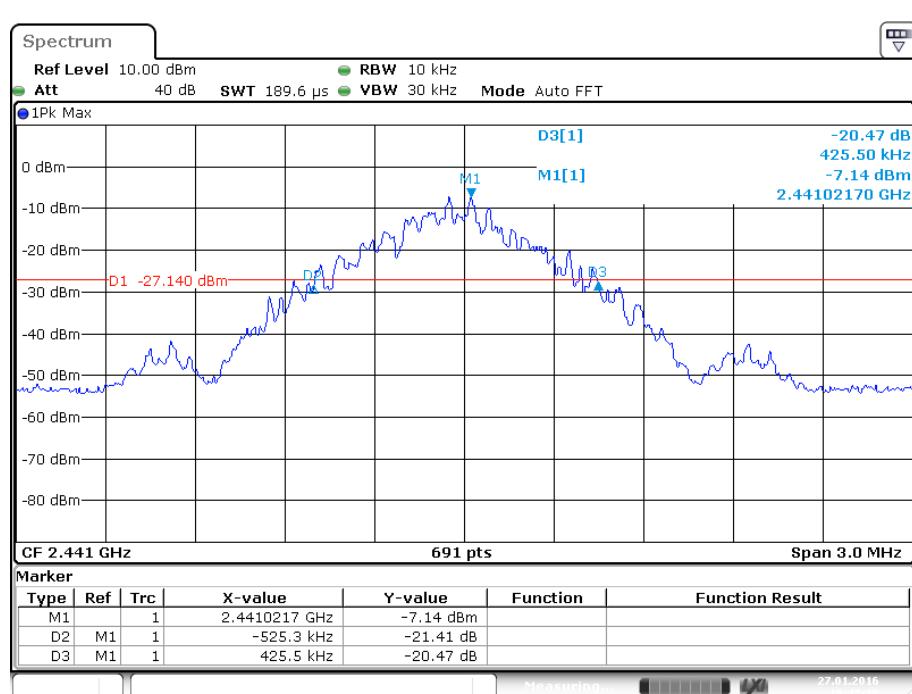
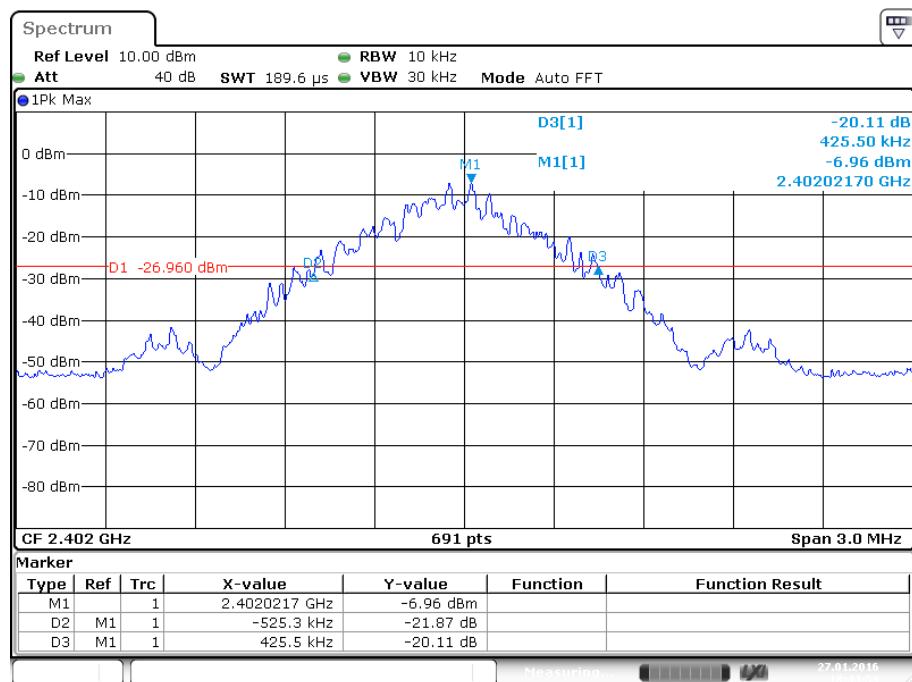
EDR Mode, Band Edge

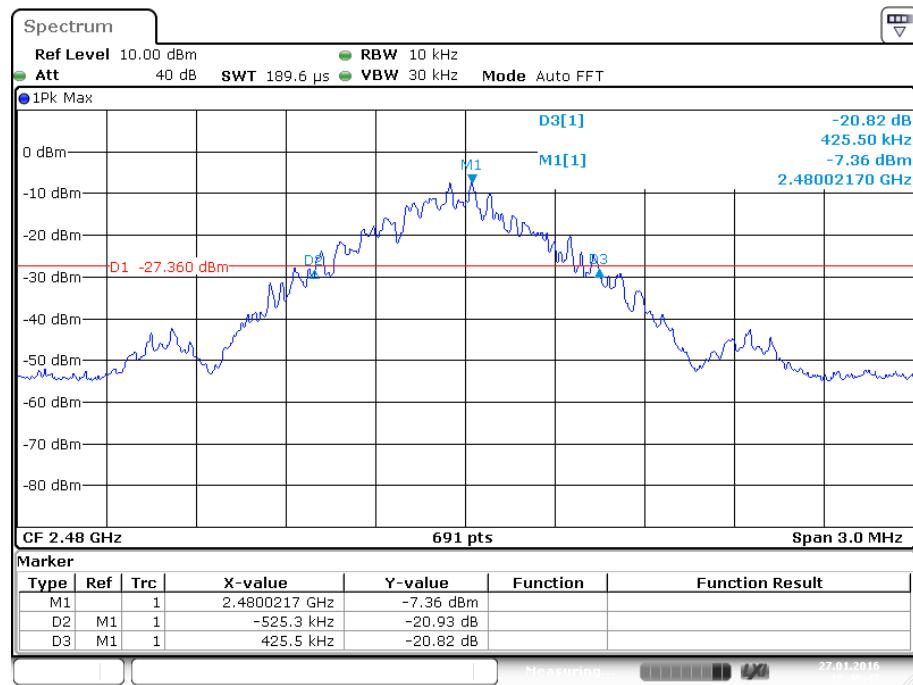


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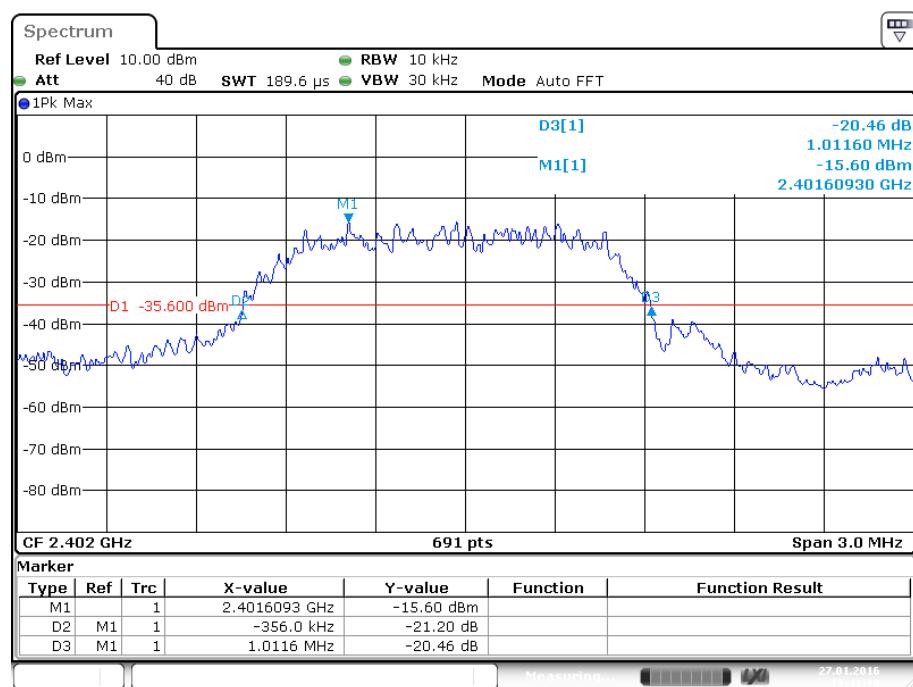
Appendix A.3: 20dB Bandwidth

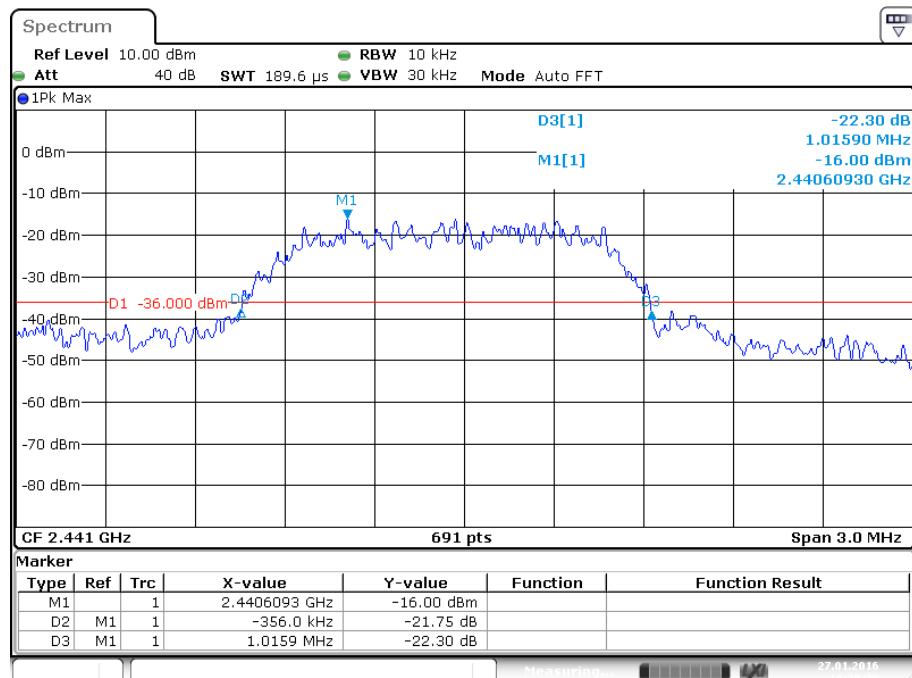
BDR Mode, DH1



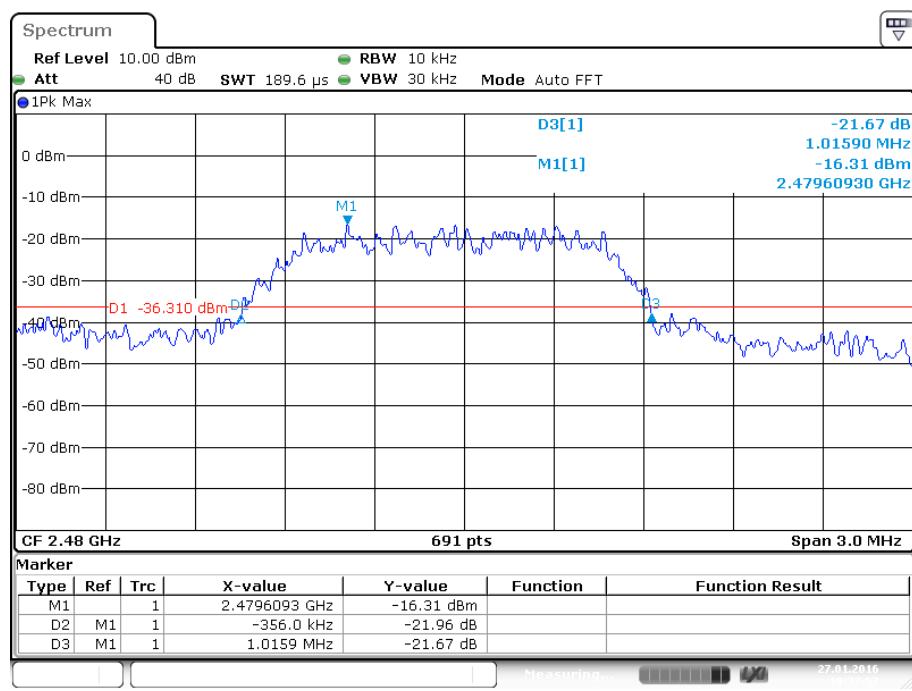


EDR Mode, 2DH1





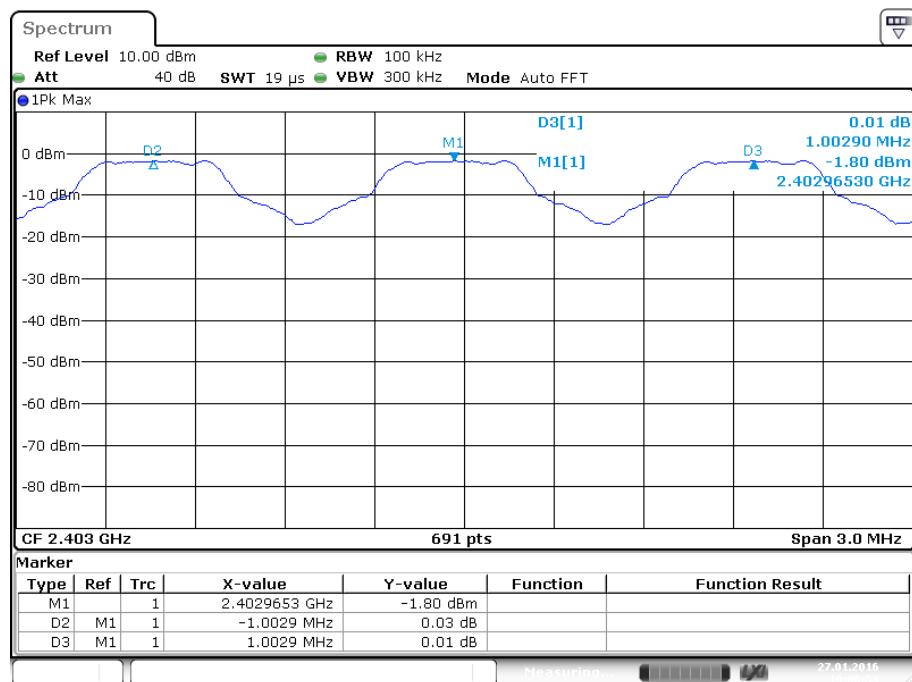
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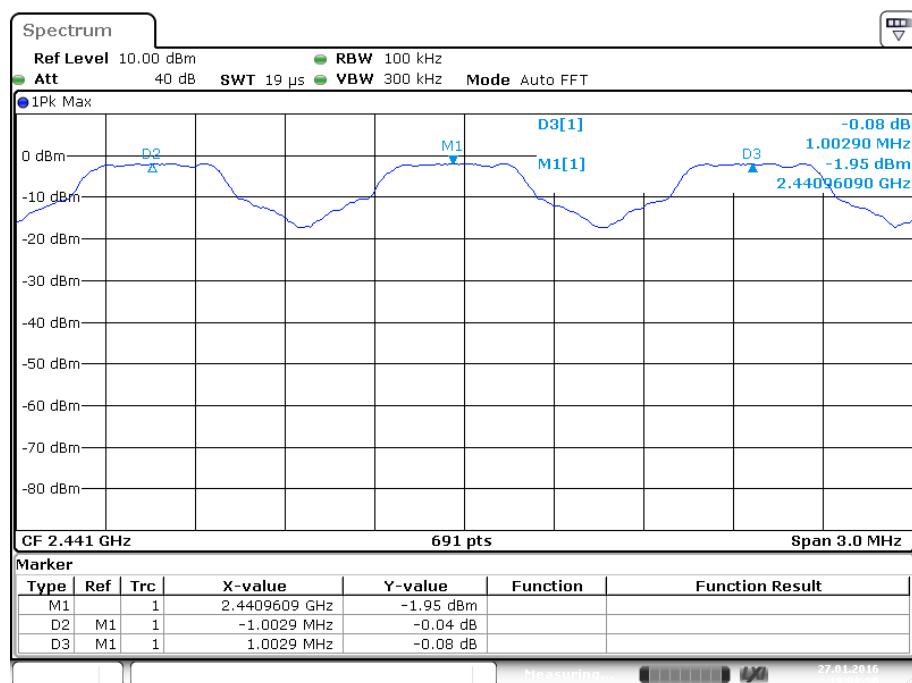
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Appendix A.4: Carrier Frequency Separation

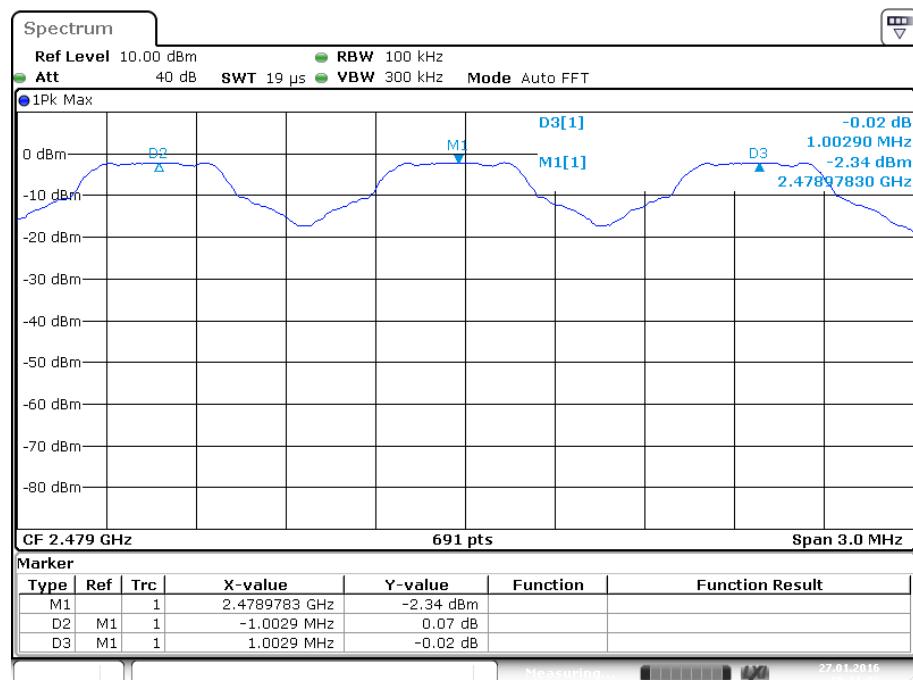
Hopping Mode



Date: 27.JAN.2016 19:06:54



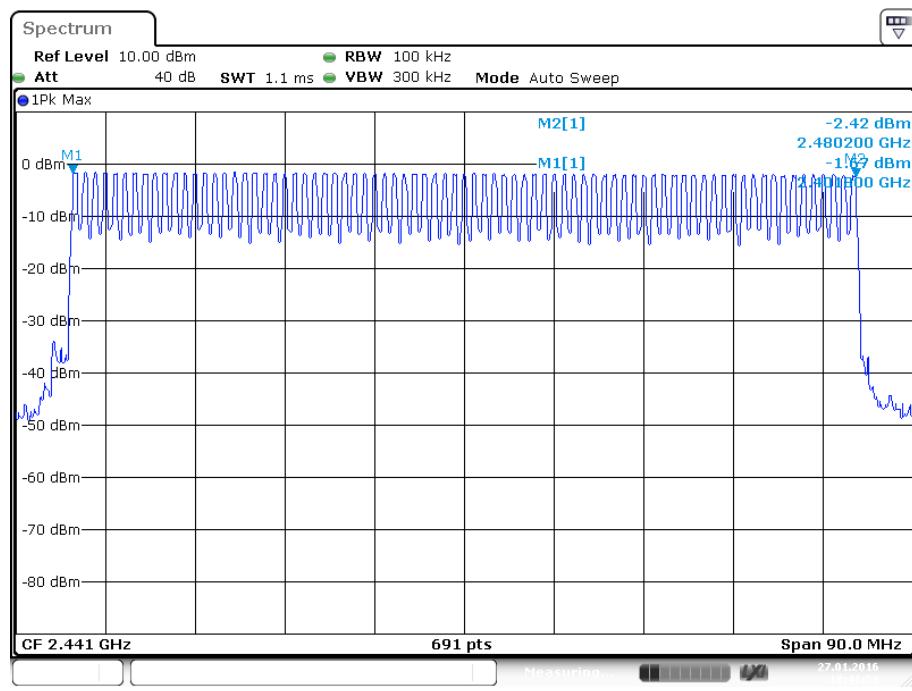
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Date: 27.JAN.2016 19:11:03

Appendix A.5: Number of Hopping Frequency

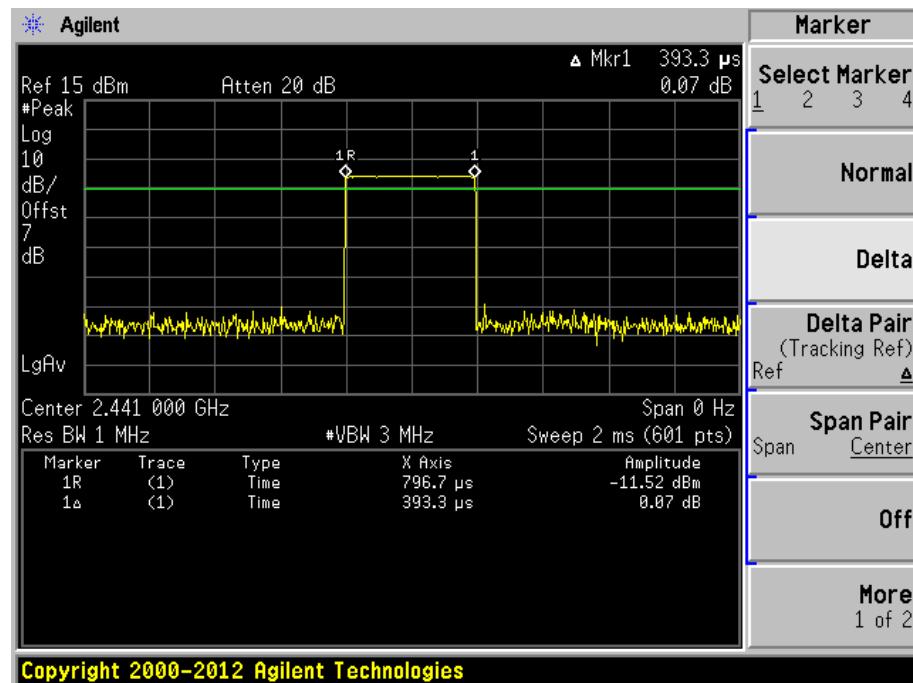
Hopping Mode



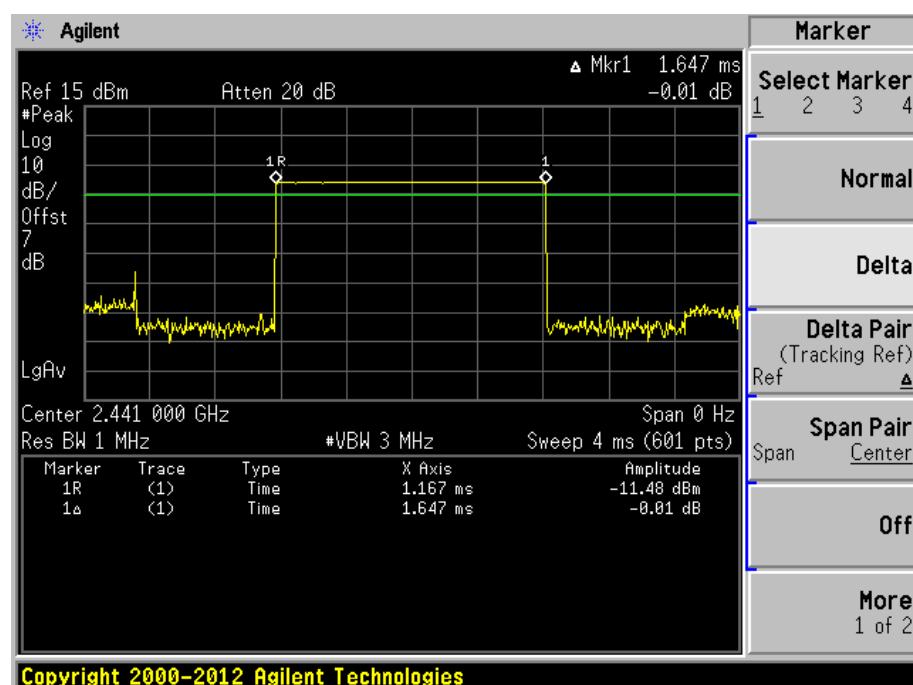
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Appendix A.6: Time of Occupancy

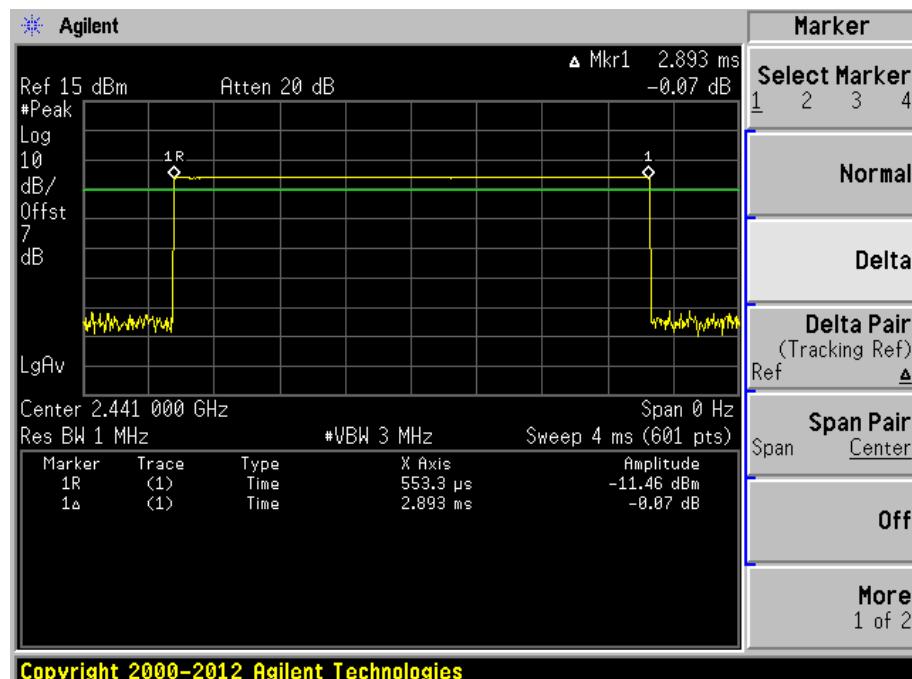
BDR Mode, DH1



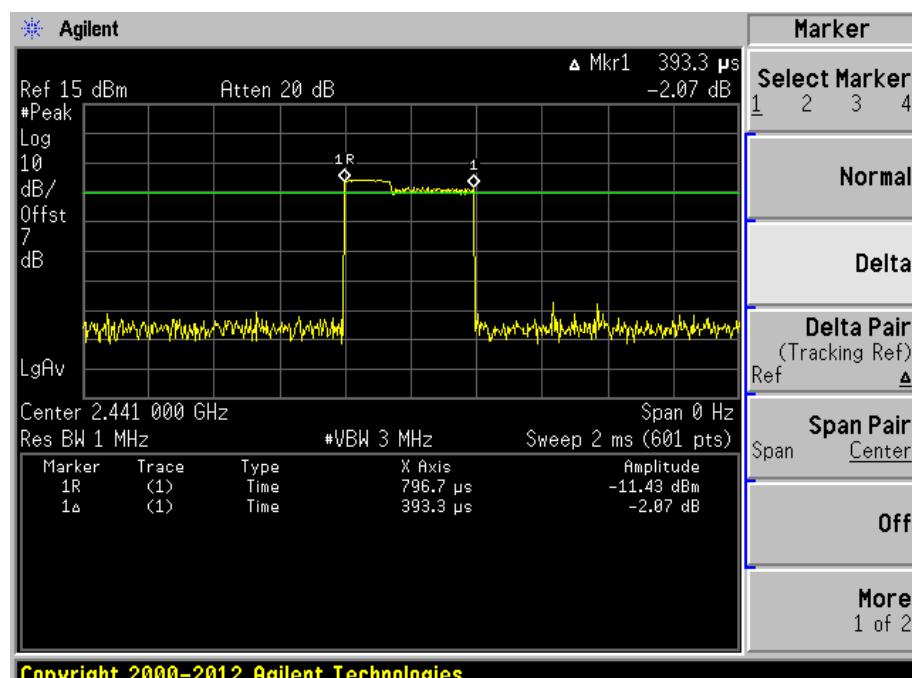
BDR Mode, DH3



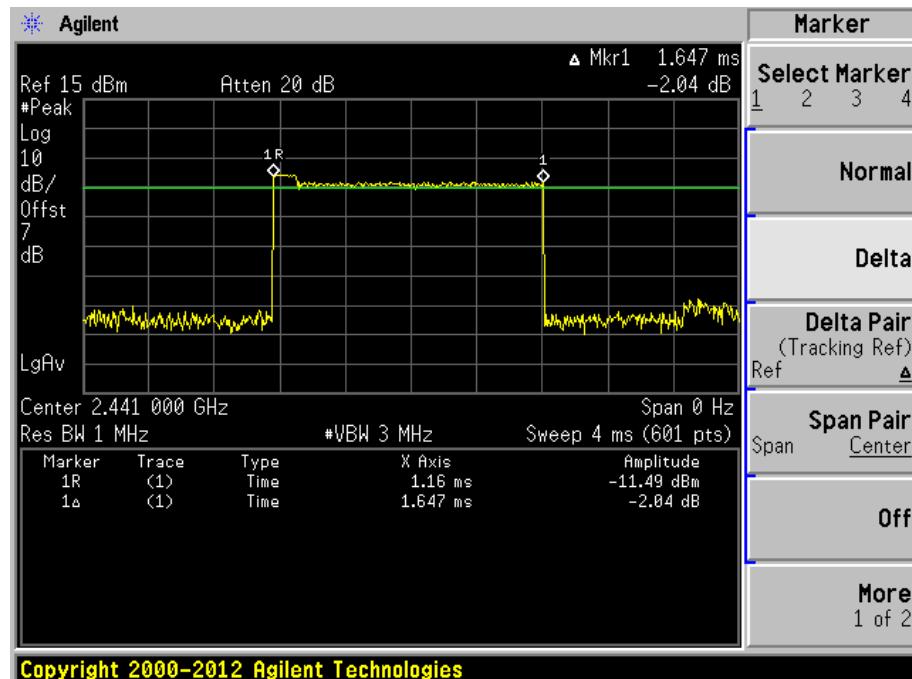
BDR Mode, DH5



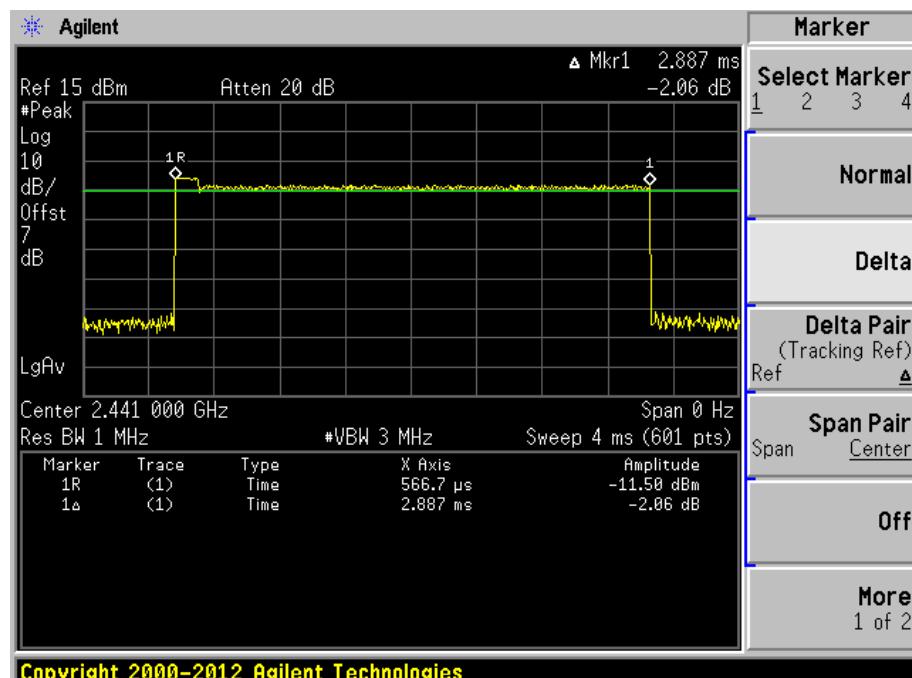
EDR Mode, 2DH1



EDR Mode, 2DH3



EDR Mode, 2DH5



Appendix B

Test Results of Bluetooth 2.1+ EDR of Radiated Testing

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Note: The measurements with active loop antenna were greater than 20dB below the limit, so Radiated Spurious Emissions (9kHz – 30MHz) tests were applied on BDR mode only.

Appendix B.1: Test Plots of Radiated Spurious Emission

9KHz - 30MHz

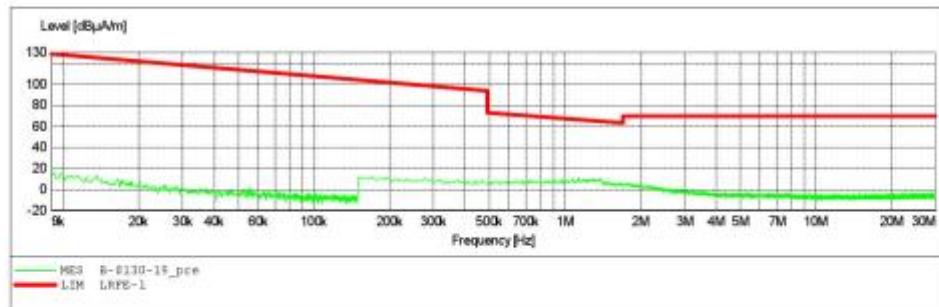
ACCURATE TECHNOLOGY CO., LTD

FCC Class B 3m Radiated

EUT: Baton Speaker M/N:6254701
Manufacturer: Saide Tekstil San ve Tic A.S.
Operating Condition: TX 2402MHz
Test Site: 2# Chamber
Operator: LGWADE
Test Specification: DC 3.7V
Comment: X
Start of Test: 2016-1-30 /

SCAN TABLE: "LFRE Fin"

Short Description:	_SUB_STD_VTERM2 1.70					
Start Frequency	Stop Frequency	Step Width	Detector	Meas.	IF	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



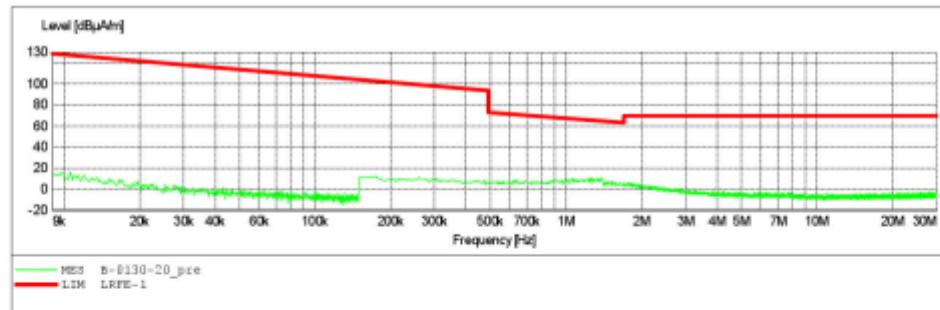
ACCURATE TECHNOLOGY CO., LTD

FCC Class B 3m Radiated

EUT: Baton Speaker M/N:6254701
Manufacturer: Saide Tekstil San ve Tic A.S.
Operating Condition: TX 2402MHz
Test Site: 2# Chamber
Operator: LGWADe
Test Specification: DC 3.7V
Comment: Y
Start of Test: 2016-1-30 /

SCAN TABLE: "LFRE Fin"

Short Description:	SUB_STD_VTERM2 1.70					
Start	Stop	Step	Detector	Meas.	IF	Transducer
Frequency	Frequency	Width		Time	Bandw.	
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



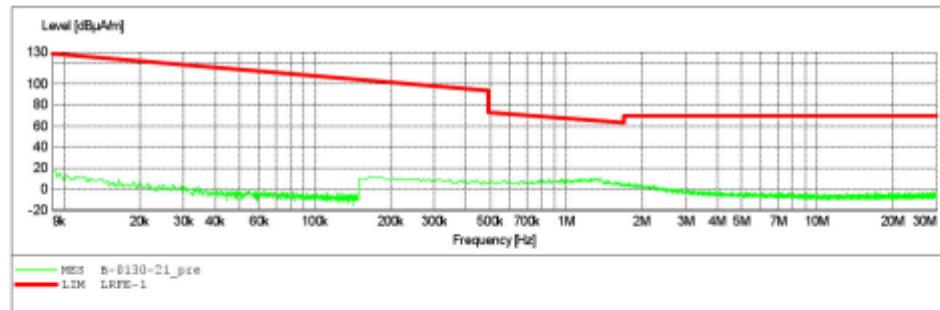
ACCURATE TECHNOLOGY CO., LTD

FCC Class B 3m Radiated

EUT: Baton Speaker M/N:6254701
Manufacturer: Saide Tekstil San ve Tic A.S.
Operating Condition: TX 2402MHz
Test Site: 2# Chamber
Operator: LGWADe
Test Specification: DC 3.7V
Comment: Z
Start of Test: 2016-1-30 /

SCAN TABLE: "LFRE Fin"

Start	Stop	Step	Detector	Meas.	IF	Transducer
Frequency	Frequency	Width		Time	Bandw.	
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



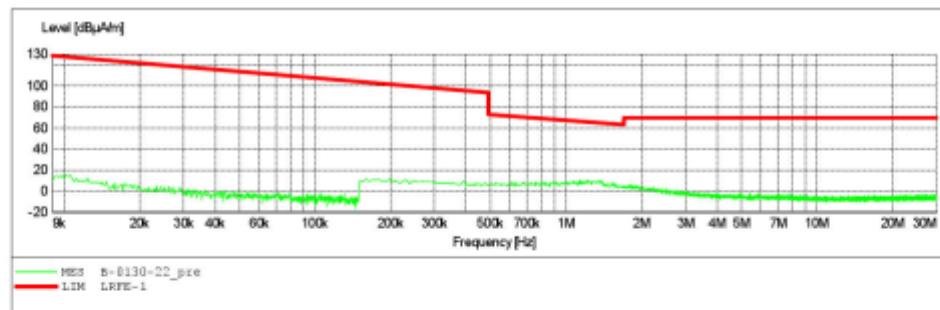
ACCURATE TECHNOLOGY CO., LTD

FCC Class B 3m Radiated

EUT: Baton Speaker M/N:6254701
Manufacturer: Saide Tekstil San ve Tic A.S.
Operating Condition: TX 2441MHz
Test Site: 2# Chamber
Operator: LGWADe
Test Specification: DC 3.7V
Comment: X
Start of Test: 2016-1-30 /

SCAN TABLE: "LFRE Fin"

Start	Stop	Step	Detector	Meas.	IF	Transducer
Frequency	Frequency	Width		Time	Bandw.	
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



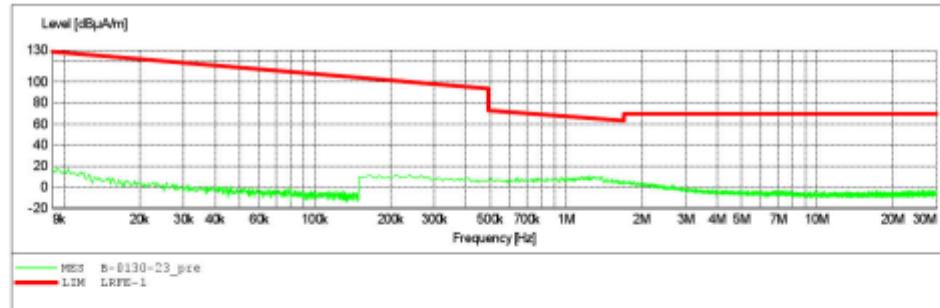
ACCURATE TECHNOLOGY CO., LTD

FCC Class B 3m Radiated

EUT: Baton Speaker M/N:6254701
Manufacturer: Saide Tekstil San ve Tic A.S.
Operating Condition: TX 2441MHz
Test Site: 2# Chamber
Operator: LGWADe
Test Specification: DC 3.7V
Comment: Y
Start of Test: 2016-1-30 /

SCAN TABLE: "LFRE Fin"

Start	Stop	Step	Detector	Meas.	IF	Transducer
Frequency	Frequency	Width		Time	Bandw.	
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



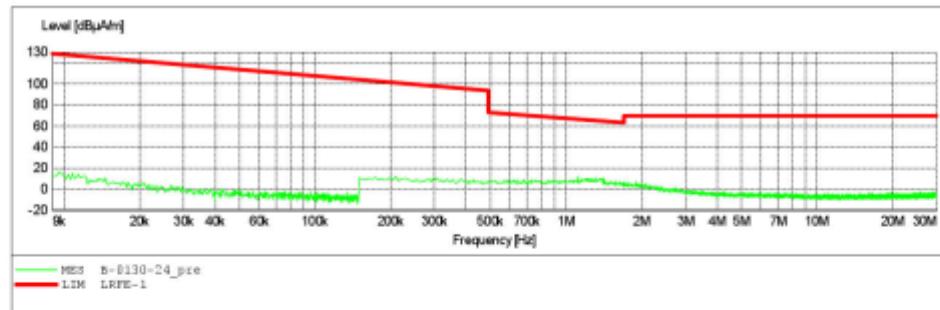
ACCURATE TECHNOLOGY CO., LTD

FCC Class B 3m Radiated

EUT: Baton Speaker M/N:6254701
Manufacturer: Saide Tekstil San ve Tic A.S.
Operating Condition: TX 2441MHz
Test Site: 2# Chamber
Operator: LGWADe
Test Specification: DC 3.7V
Comment: Z
Start of Test: 2016-1-30 /

SCAN TABLE: "LFRE Fin"

Start	Stop	Step	Detector	Meas.	IF	Transducer
Frequency	Frequency	Width		Time	Bandw.	
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



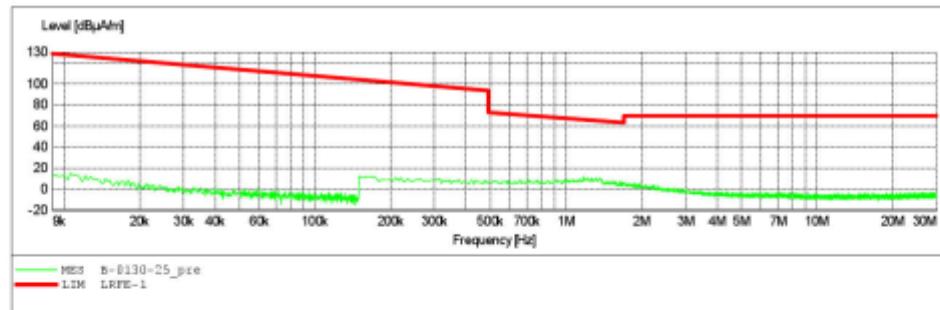
ACCURATE TECHNOLOGY CO., LTD

FCC Class B 3m Radiated

EUT: Baton Speaker M/N:6254701
Manufacturer: Saide Tekstil San ve Tic A.S.
Operating Condition: TX 2480MHz
Test Site: 2# Chamber
Operator: LGWADe
Test Specification: DC 3.7V
Comment: X
Start of Test: 2016-1-30 /

SCAN TABLE: "LFRE Fin"

Start	Stop	Step	Detector	Meas.	IF	Transducer
Frequency	Frequency	Width		Time	Bandw.	
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



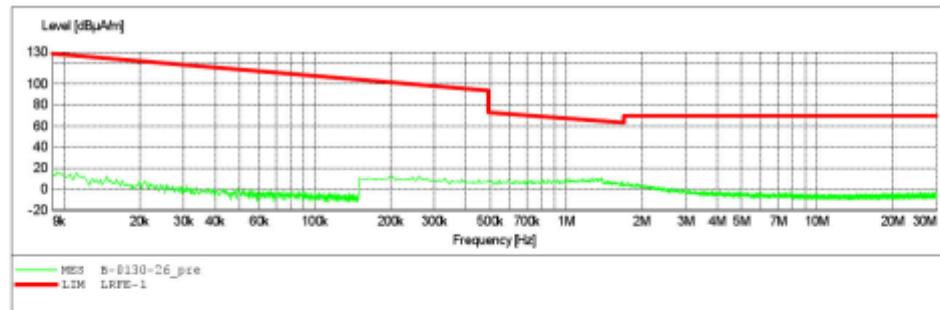
ACCURATE TECHNOLOGY CO., LTD

FCC Class B 3m Radiated

EUT: Baton Speaker M/N:6254701
Manufacturer: Saide Tekstil San ve Tic A.S.
Operating Condition: TX 2480MHz
Test Site: 2# Chamber
Operator: LGWADe
Test Specification: DC 3.7V
Comment: Y
Start of Test: 2016-1-30 /

SCAN TABLE: "LFRE Fin"

Start	Stop	Step	Detector	Meas.	IF	Transducer
Frequency	Frequency	Width		Time	Bandw.	
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	1516M



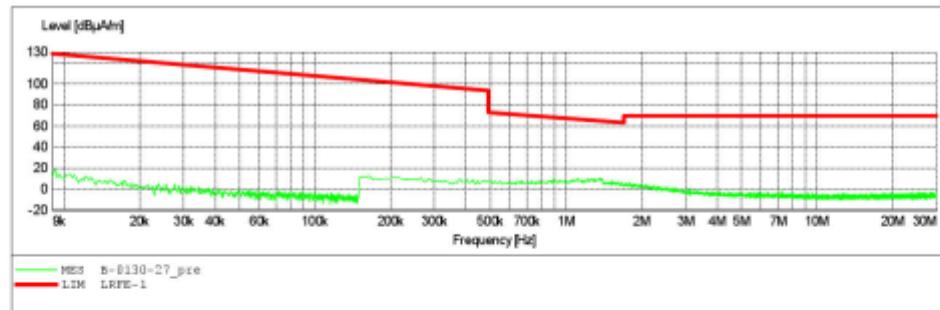
ACCURATE TECHNOLOGY CO., LTD

FCC Class B 3m Radiated

EUT: Baton Speaker M/N:6254701
Manufacturer: Saide Tekstil San ve Tic A.S.
Operating Condition: TX 2480MHz
Test Site: 2# Chamber
Operator: LGWADe
Test Specification: DC 3.7V
Comment: Z
Start of Test: 2016-1-30 /

SCAN TABLE: "LFRE Fin"

SUB_STD_VTERM2 1.70					
Start	Stop	Step	Detector	Meas.	IF
Frequency	Frequency	Width		Time	Transducer
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz 1516M
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz 1516M



30MHz - 1GHz

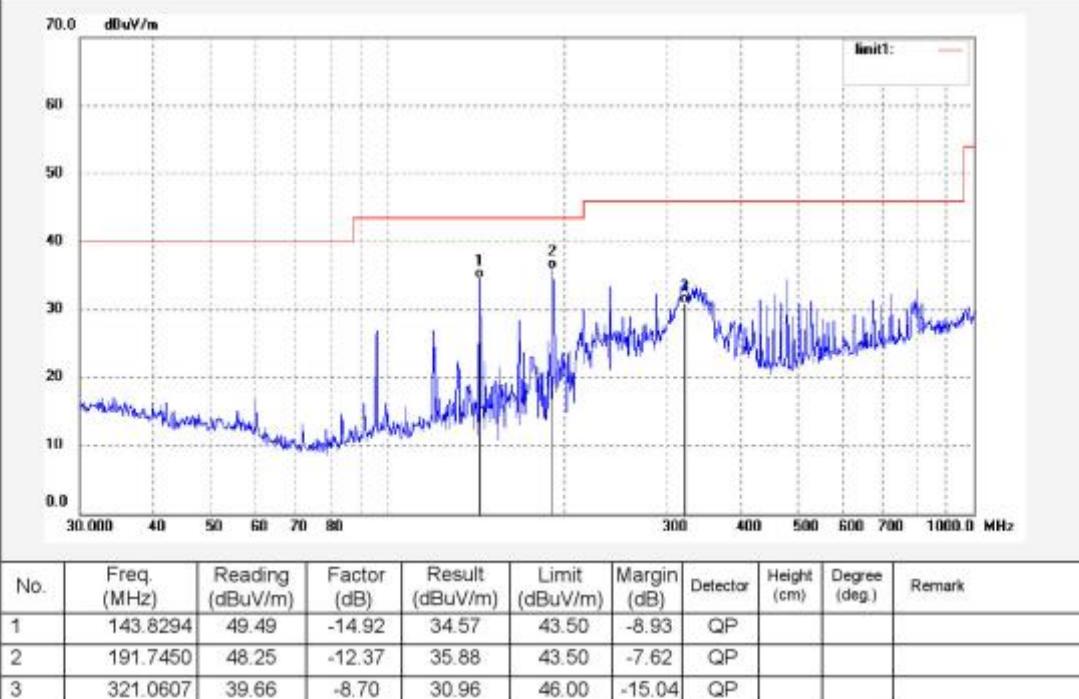


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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.:	Igwade #728	Polarization:	Horizontal
Standard:	FCC Class B 3M Radiated	Power Source:	DC 3.7V
Test item:	Radiation Test	Date:	16/01/30/
Temp.(C)	Hum.(%) 23 C / 48 %	Time:	
EUT:	Baton Speaker	Engineer Signature:	LGWADE
Mode:	TX 2402MHz	Distance:	3m
Model:	6254701		
Manufacturer:	Saide Tekstil San ve Tic A.S.		
Note:			





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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Igwade #729

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC 3.7V

Test Item: Radiation Test

Date: 16/01/30/

Temp.(C) /Hum.(%) 23 C / 48 %

Time:

EUT: Baton Speaker

Engineer Signature: LGWADE

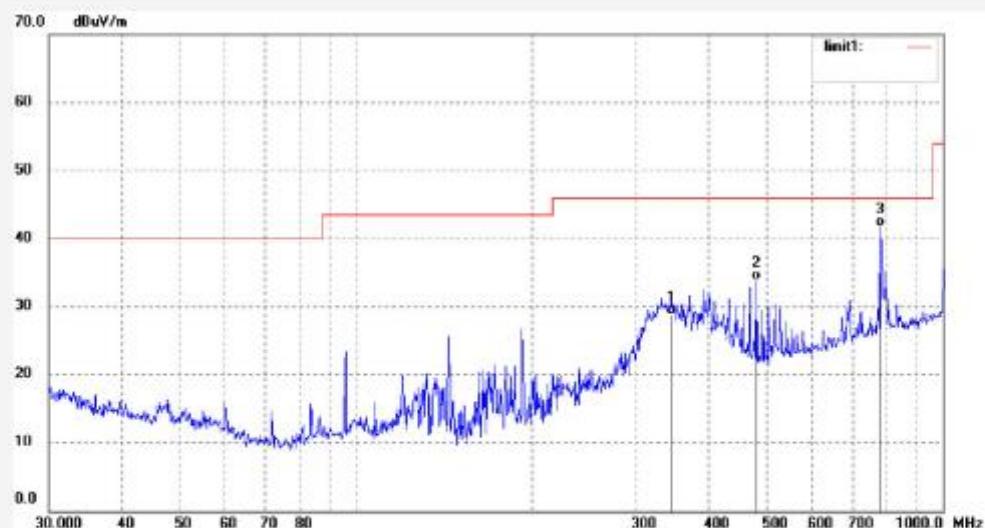
Mode: TX 2402MHz

Distance: 3m

Model: 6254701

Manufacturer: Saide Tekstil San ve Tic A.S.

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	344.3854	36.62	-7.89	28.73	46.00	-17.27	QP			
2	480.5276	39.17	-5.34	33.83	46.00	-12.17	QP			
3	782.3452	42.16	-0.37	41.79	46.00	-4.21	QP			



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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Igwade #730

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC 3.7V

Test Item: Radiation Test

Date: 16/01/30/

Temp.(C) /Hum.(%) 23 C / 48 %

Time:

EUT: Baton Speaker

Engineer Signature: LGWADE

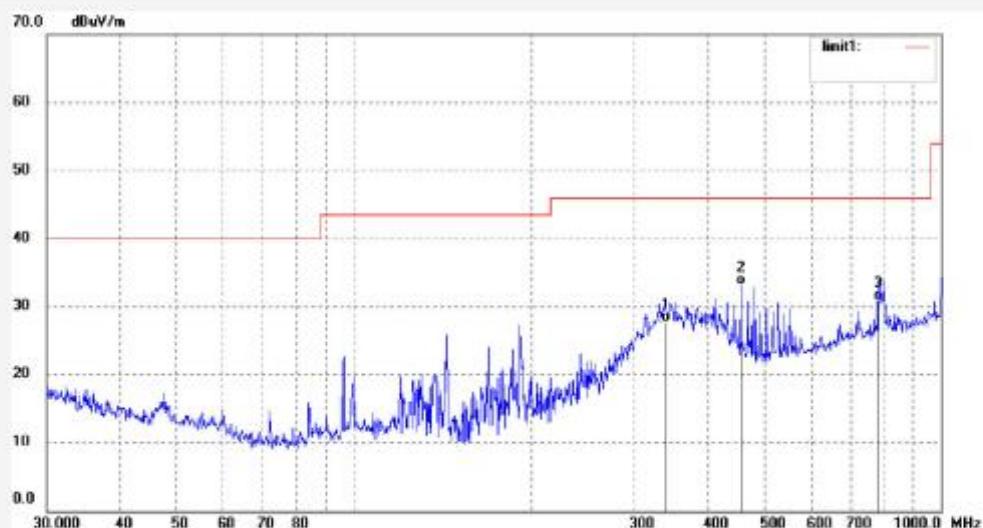
Mode: TX 2441MHz

Distance: 3m

Model: 6254701

Manufacturer: Saide Tekstil San ve Tic A.S.

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	339.5887	35.84	-8.08	27.76	46.00	-18.24	QP			
2	455.9057	38.86	-5.69	33.17	46.00	-12.83	QP			
3	782.3452	31.22	-0.37	30.85	46.00	-15.15	QP			



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Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Igwade #731

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 3.7V

Test Item: Radiation Test

Date: 16/01/30/

Temp.(C) /Hum.(%) 23 C / 48 %

Time:

EUT: Baton Speaker

Engineer Signature: LGWADE

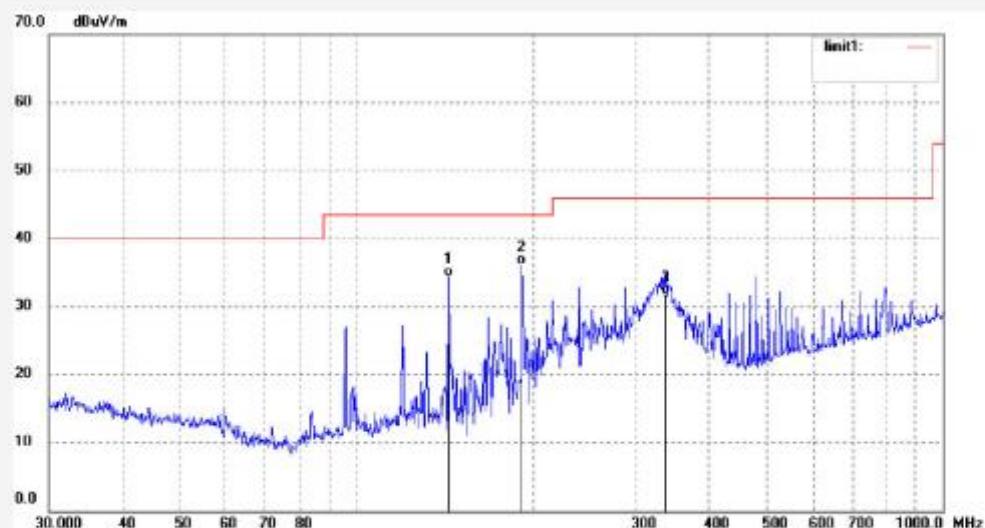
Mode: TX 2441MHz

Distance: 3m

Model: 6254701

Manufacturer: Saide Tekstil San ve Tic A.S.

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	143.8294	49.35	-14.92	34.43	43.50	-9.07	QP			
2	191.7450	48.45	-12.37	36.08	43.50	-7.42	QP			
3	337.2155	40.02	-8.18	31.84	46.00	-14.16	QP			



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Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Igwade #732

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 3.7V

Test Item: Radiation Test

Date: 16/01/30/

Temp.(C) /Hum.(%) 23 C / 48 %

Time:

EUT: Baton Speaker

Engineer Signature: LGWADE

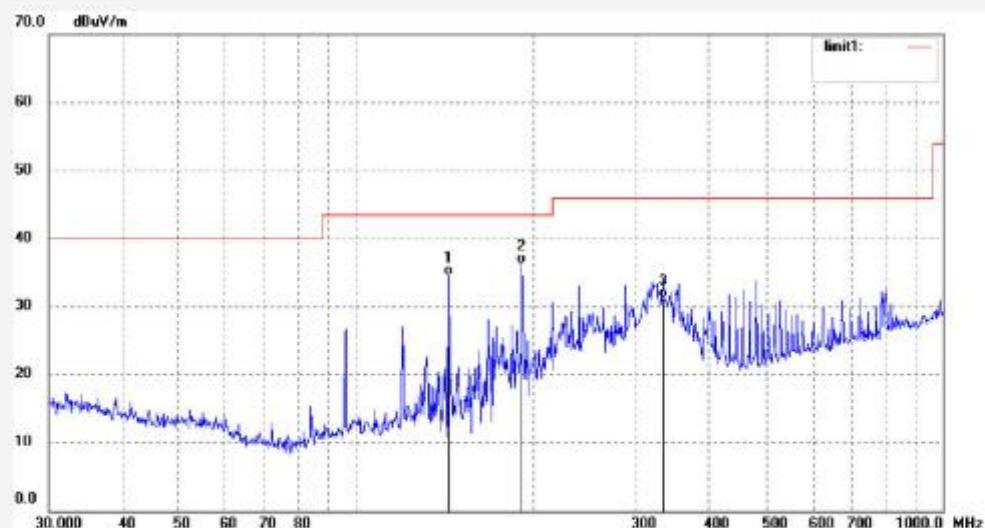
Mode: TX 2480MHz

Distance: 3m

Model: 6254701

Manufacturer: Saide Tekstil San ve Tic A.S.

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	143.8294	49.49	-14.92	34.57	43.50	-8.93	QP			
2	191.7450	48.60	-12.37	36.23	43.50	-7.27	QP			
3	333.6865	39.49	-8.28	31.21	46.00	-14.79	QP			



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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Igwade #733

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC 3.7V

Test Item: Radiation Test

Date: 16/01/30/

Temp.(C) /Hum.(%) 23 C / 48 %

Time:

EUT: Baton Speaker

Engineer Signature: LGWADE

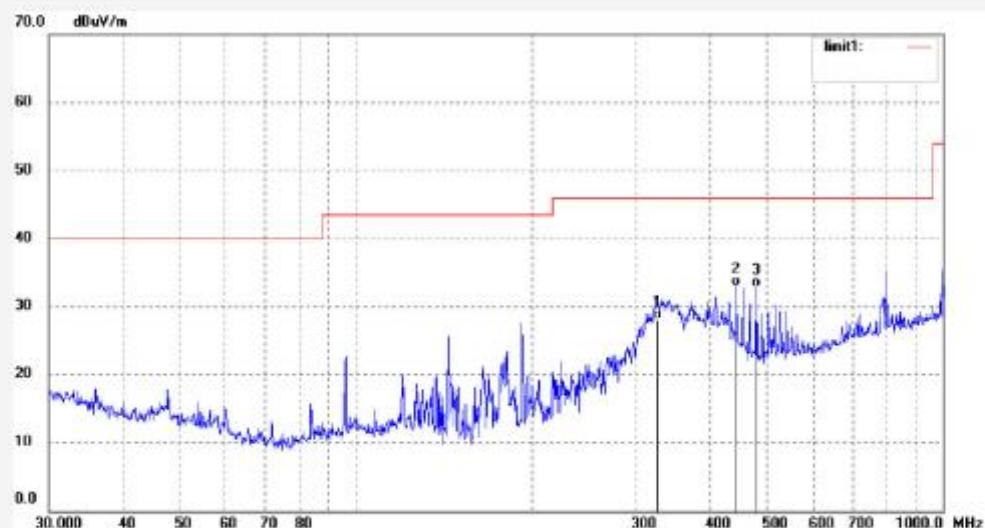
Mode: TX 2480MHz

Distance: 3m

Model: 6254701

Manufacturer: Saide Tekstil San ve Tic A.S.

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	325.5957	36.58	-8.51	28.07	46.00	-17.93	QP			
2	444.8514	38.93	-5.86	33.07	46.00	-12.93	QP			
3	480.5276	38.07	-5.34	32.73	46.00	-13.27	QP			

1GHz - 18GHz



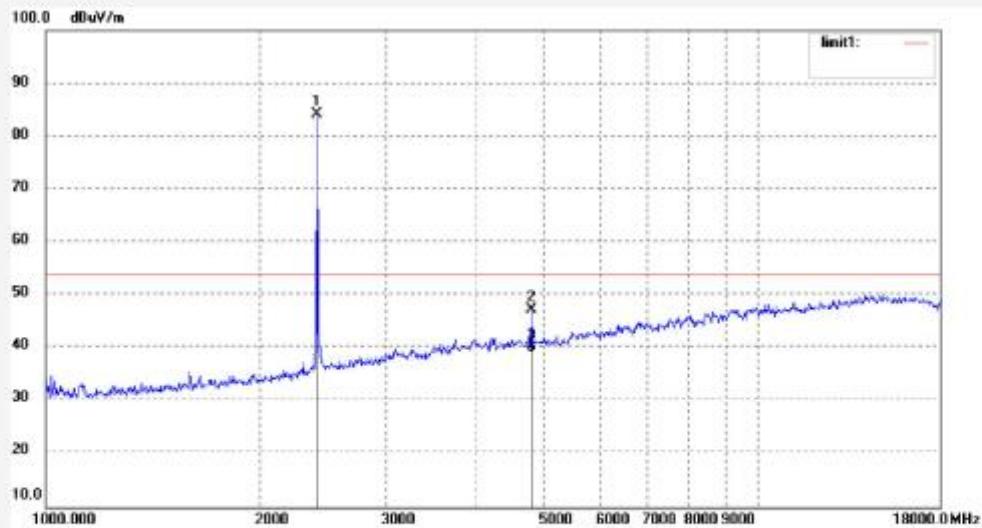
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.:	Igwade #688	Polarization:	Horizontal
Standard:	FCC Class B 3M Radiated	Power Source:	DC 3.7V
Test item:	Radiation Test	Date:	16/01/30/
Temp.(C)	Hum.(%)	Time:	
23	48 %		
EUT:	Baton Speaker	Engineer Signature:	LGWADE
Mode:	TX 2402MHz	Distance:	3m
Model:	6254701		
Manufacturer:	Saide Tekstil San ve Tic A.S.		

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2402.000	91.50	-7.45	84.05	/	/	peak			
2	4804.025	47.47	-0.30	47.17	74.00	-26.83	peak			
3	4804.025	39.52	-0.30	39.22	54.00	-14.78	AVG			



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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Igwade #689

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC 3.7V

Test Item: Radiation Test

Date: 16/01/30/

Temp.(C) /Hum.(%) 23 C / 48 %

Time:

EUT: Baton Speaker

Engineer Signature: LGWADE

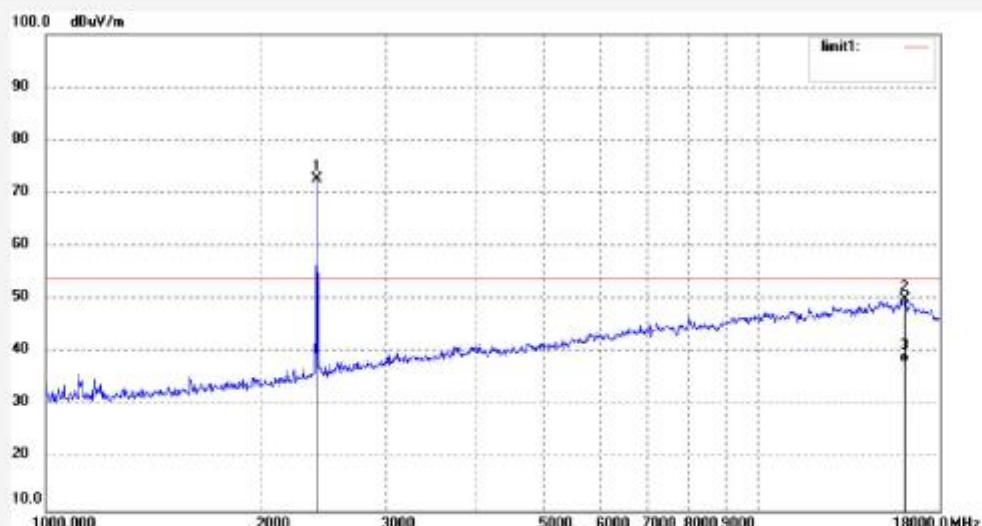
Mode: TX 2402MHz

Distance: 3m

Model: 6254701

Manufacturer: Saide Tekstil San ve Tic A.S.

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2402.000	80.03	-7.45	72.58	/	/	peak			
2	16081.142	9.78	40.05	49.83	74.00	-24.17	peak			
3	16081.142	-1.95	40.05	38.10	54.00	-15.90	AVG			



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Site: 2# Chamber
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Fax:+86-0755-26503396

Job No.: Igwade #690

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC 3.7V

Test Item: Radiation Test

Date: 16/01/30/

Temp.(C) /Hum.(%) 23 C / 48 %

Time:

EUT: Baton Speaker

Engineer Signature: LGWADE

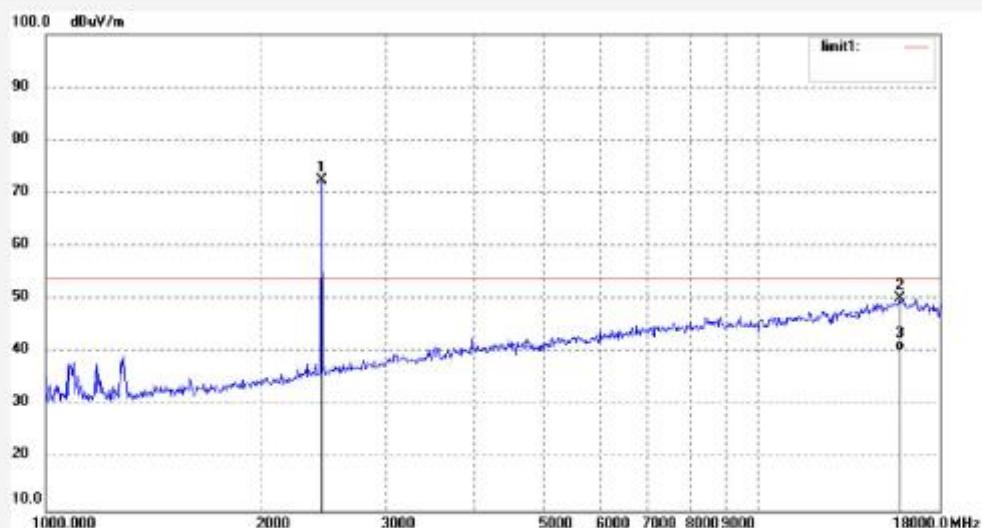
Mode: TX 2441MHz

Distance: 3m

Model: 6254701

Manufacturer: Saide Tekstil San ve Tic A.S.

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2441.000	79.79	-7.35	72.44	/	/	peak			
2	15804.663	10.15	40.04	50.19	74.00	-23.81	peak			
3	15804.663	0.23	40.04	40.27	54.00	-13.73	AVG			



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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Igwade #691

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 3.7V

Test Item: Radiation Test

Date: 16/01/30/

Temp.(C) /Hum.(%) 23 C / 48 %

Time:

EUT: Baton Speaker

Engineer Signature: LGWADE

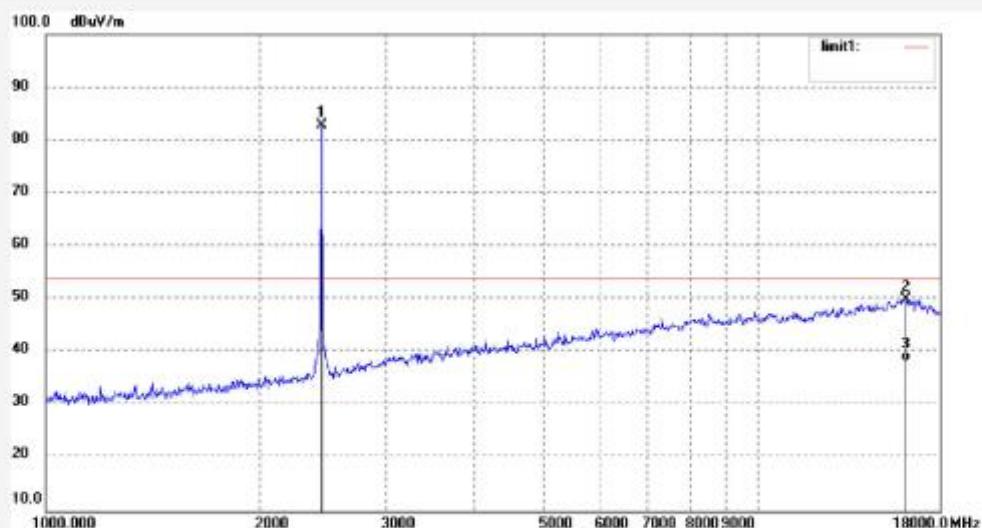
Mode: TX 2441MHz

Distance: 3m

Model: 6254701

Manufacturer: Saide Tekstil San ve Tic A.S.

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2441.000	90.12	-7.35	82.77	/	/	peak			
2	16127.689	9.88	40.08	49.96	74.00	-24.04	peak			
3	16127.689	-1.93	40.08	38.15	54.00	-15.85	AVG			



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Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Igwade #692

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 3.7V

Test Item: Radiation Test

Date: 16/01/30/

Temp.(C) /Hum.(%) 23 C / 48 %

Time:

EUT: Baton Speaker

Engineer Signature: LGWADE

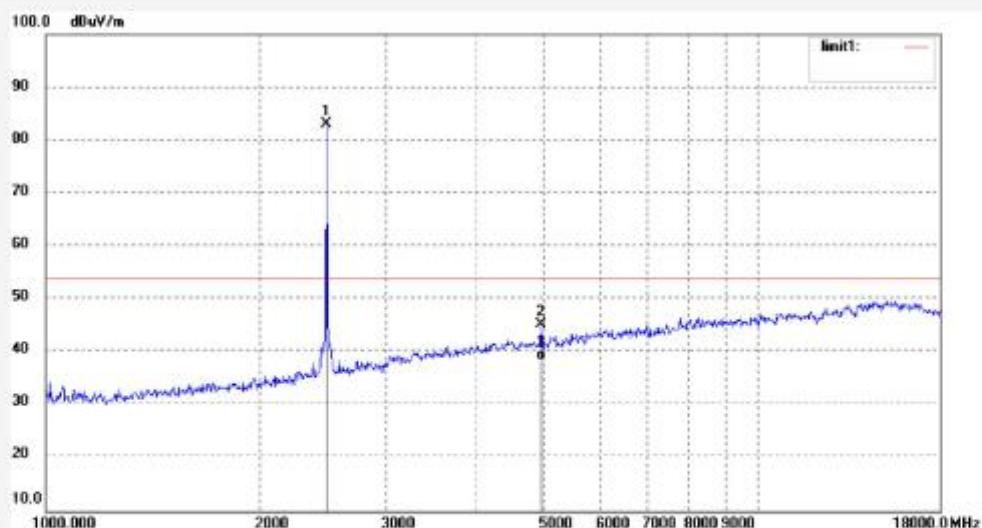
Mode: TX 2480MHz

Distance: 3m

Model: 6254701

Manufacturer: Saide Tekstil San ve Tic A.S.

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2480.000	90.29	-7.37	82.92	/	/	peak			
2	4960.021	44.78	0.52	45.30	74.00	-28.70	peak			
3	4960.021	37.92	0.52	38.44	54.00	-15.56	AVG			



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Site: 2# Chamber
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Fax:+86-0755-26503396

Job No.: Igwade #693

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC 3.7V

Test Item: Radiation Test

Date: 16/01/30/

Temp.(C) /Hum.(%) 23 C / 48 %

Time:

EUT: Baton Speaker

Engineer Signature: LGWADE

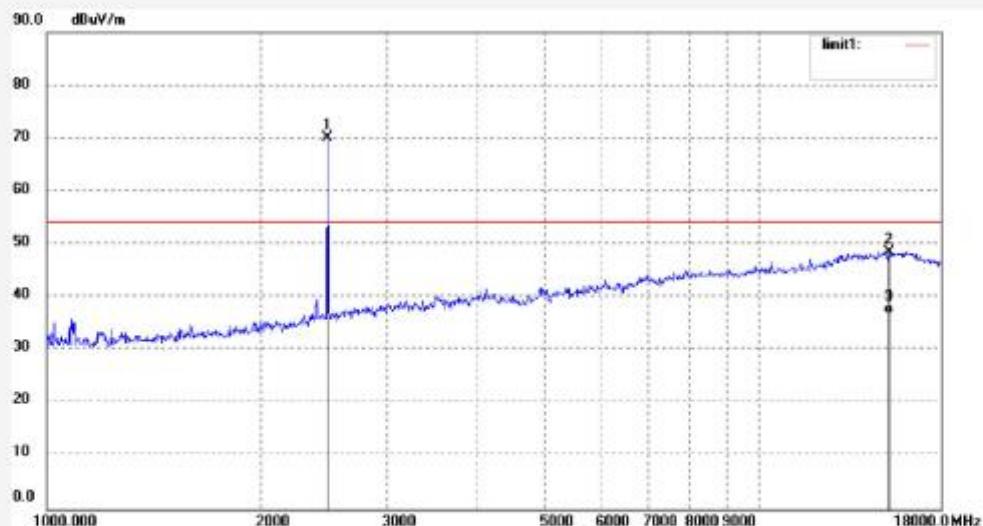
Mode: TX 2480MHz

Distance: 3m

Model: 6254701

Manufacturer: Saide Tekstil San ve Tic A.S.

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2480.000	77.57	-7.37	70.20	/	/	peak			
2	15221.824	7.91	40.66	48.57	74.00	-25.43	peak			
3	15221.824	-3.86	40.66	36.80	54.00	-17.20	AVG			

18GHz - 26.5GHz



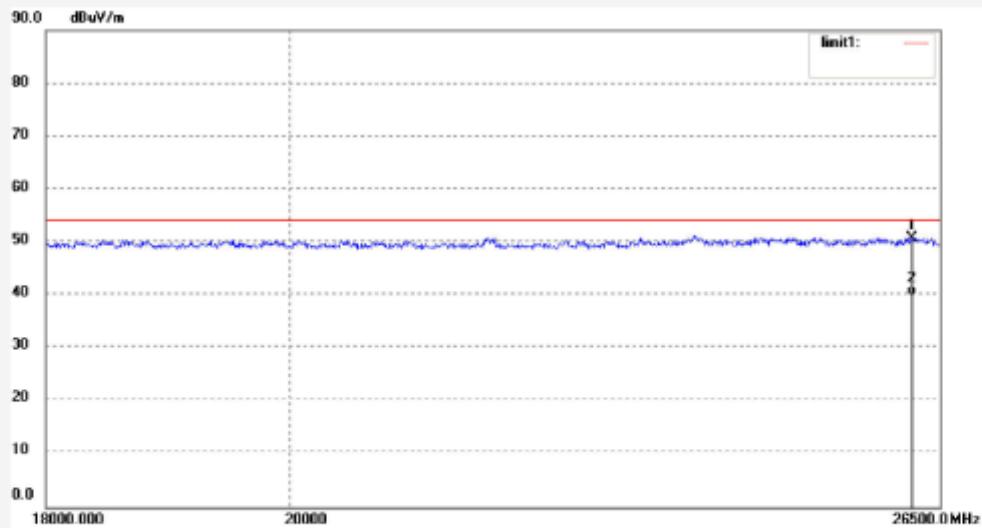
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.:	Igwade #698	Polarization:	Vertical
Standard:	FCC Class B 3M Radiated	Power Source:	DC 3.7V
Test item:	Radiation Test	Date:	16/01/30/
Temp.(C)	Hum.(%) 23 C / 48 %	Time:	
EUT:	Baton Speaker	Engineer Signature:	LGWADE
Mode:	TX 2402MHz	Distance:	3m
Model:	6254701		
Manufacturer:	Saide Tekstil San ve Tic A.S.		

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26184.163	33.72	17.11	50.83	74.00	-23.17	peak			
2	26184.163	22.85	17.11	39.96	54.00	-14.04	AVG			



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Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Igwade #699

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 3.7V

Test Item: Radiation Test

Date: 16/01/30/

Temp.(C)/Hum.(%) 23 C / 48 %

Time:

EUT: Baton Speaker

Engineer Signature: LGWADE

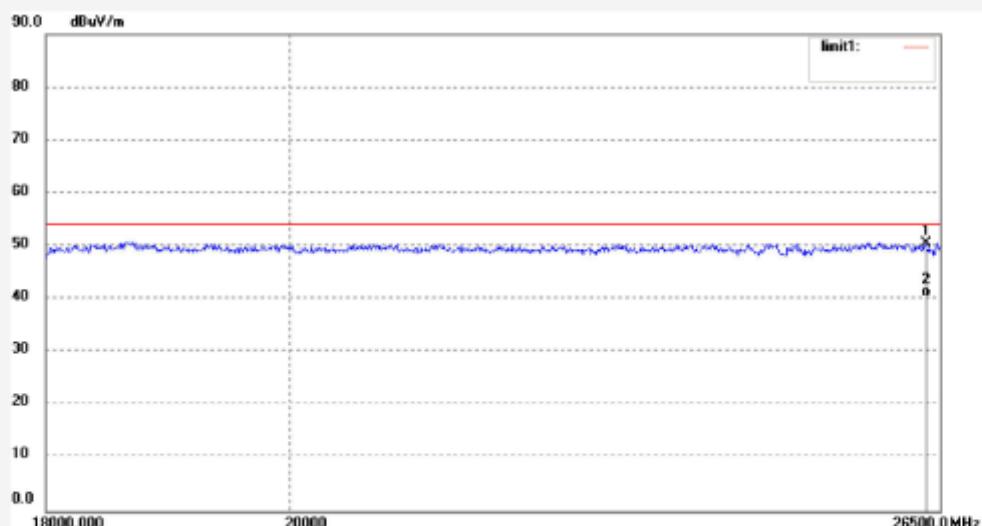
Mode: TX 2402MHz

Distance: 3m

Model: 6254701

Manufacturer: Saide Tekstil San ve Tic A.S.

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26336.515	33.95	16.50	50.45	74.00	-23.55	peak			
2	26336.515	23.78	16.50	40.28	54.00	-13.72	AVG			



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Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Igwade #700

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 3.7V

Test Item: Radiation Test

Date: 16/01/30/

Temp.(C)/Hum.(%) 23 C / 48 %

Time:

EUT: Baton Speaker

Engineer Signature: LGWADE

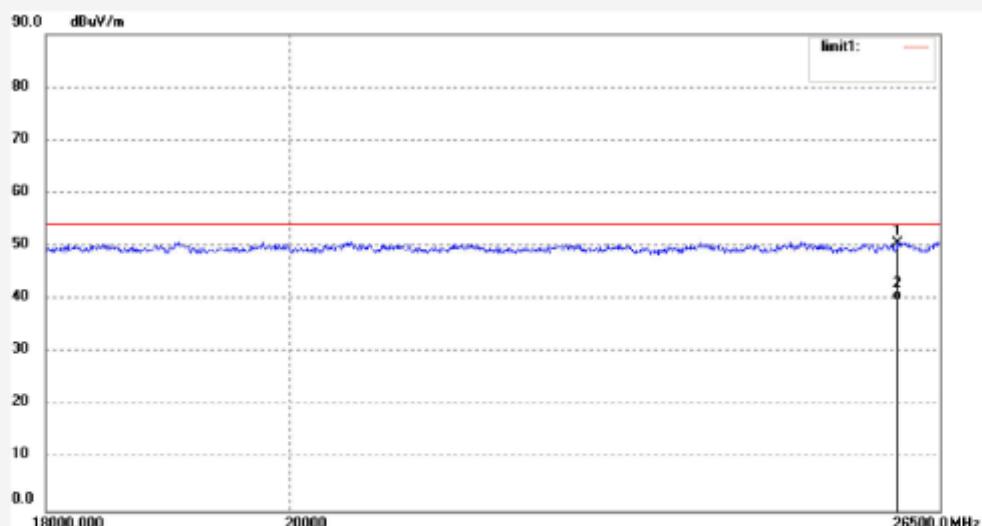
Mode: TX 2441MHz

Distance: 3m

Model: 6254701

Manufacturer: Saide Tekstil San ve Tic A.S.

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26022.626	34.10	16.50	50.60	74.00	-23.40	peak			
2	26022.626	23.25	16.50	39.75	54.00	-14.25	AVG			



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Site: 2# Chamber
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Fax:+86-0755-26503396

Job No.: Igwade #701

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC 3.7V

Test Item: Radiation Test

Date: 16/01/30/

Temp.(C)/Hum.(%) 23 C / 48 %

Time:

EUT: Baton Speaker

Engineer Signature: LGWADE

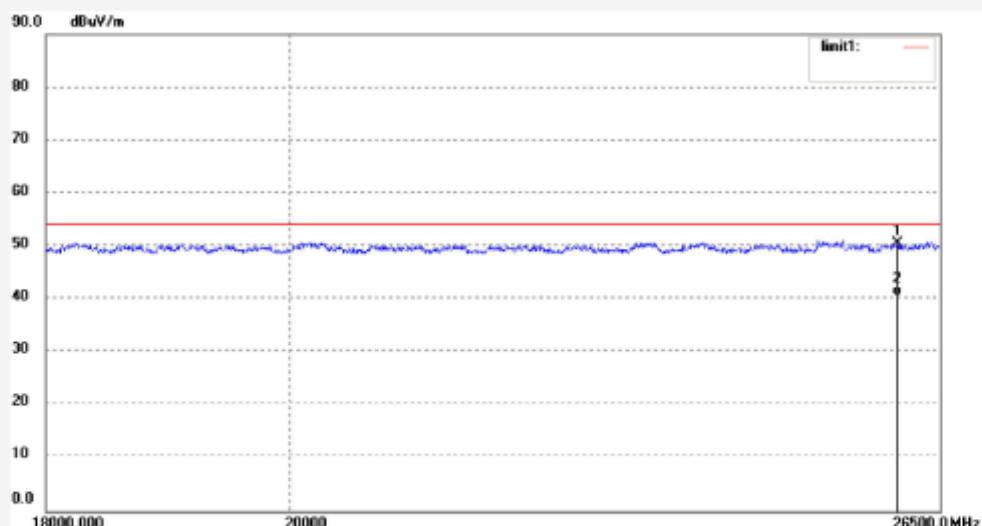
Mode: TX 2441MHz

Distance: 3m

Model: 6254701

Manufacturer: Saide Tekstil San ve Tic A.S.

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26022.626	33.29	17.22	50.51	74.00	-23.49	peak			
2	26022.626	23.45	17.22	40.67	54.00	-13.33	AVG			



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Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Igwade #702

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC 3.7V

Test Item: Radiation Test

Date: 16/01/30/

Temp.(C)/Hum.(%) 23 C / 48 %

Time:

EUT: Baton Speaker

Engineer Signature: LGWADE

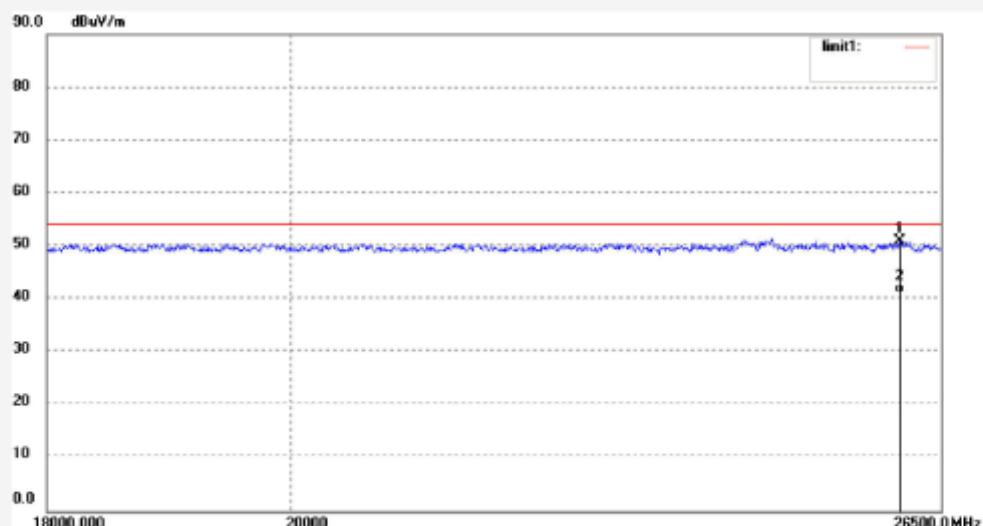
Mode: TX 2480MHz

Distance: 3m

Model: 6254701

Manufacturer: Saide Tekstil San ve Tic A.S.

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26032.693	33.66	17.21	50.87	74.00	-23.13	peak			
2	26032.693	23.78	17.21	40.99	54.00	-13.01	AVG			



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F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Igwade #703

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 3.7V

Test Item: Radiation Test

Date: 16/01/30/

Temp.(C)/Hum.(%) 23 C / 48 %

Time:

EUT: Baton Speaker

Engineer Signature: LGWADE

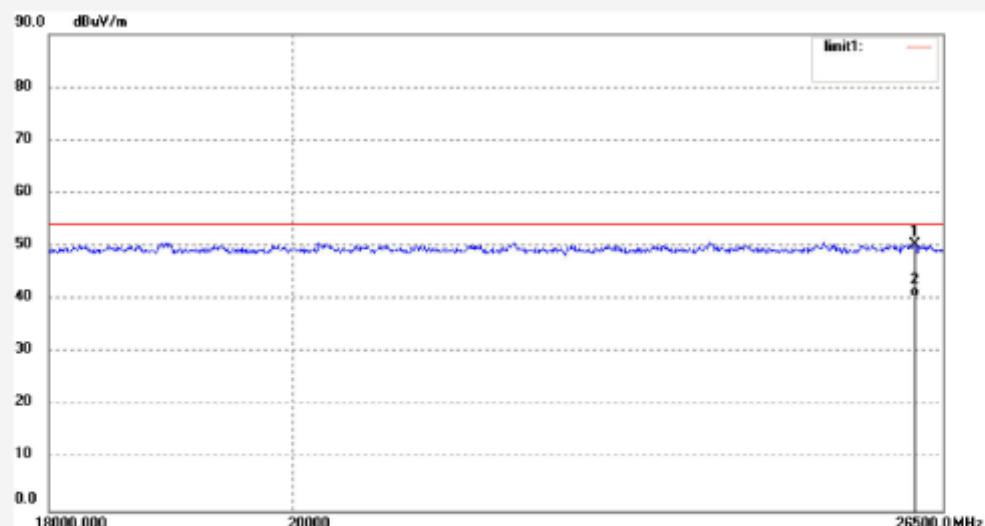
Mode: TX 2480MHz

Distance: 3m

Model: 6254701

Manufacturer: Saide Tekstil San ve Tic A.S.

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	26184.163	33.72	16.50	50.22	74.00	-23.78	peak			
2	26184.163	23.89	16.50	40.39	54.00	-13.61	AVG			

Appendix B.2: Test Plots of Band Edge (Radiated)

Low Channel

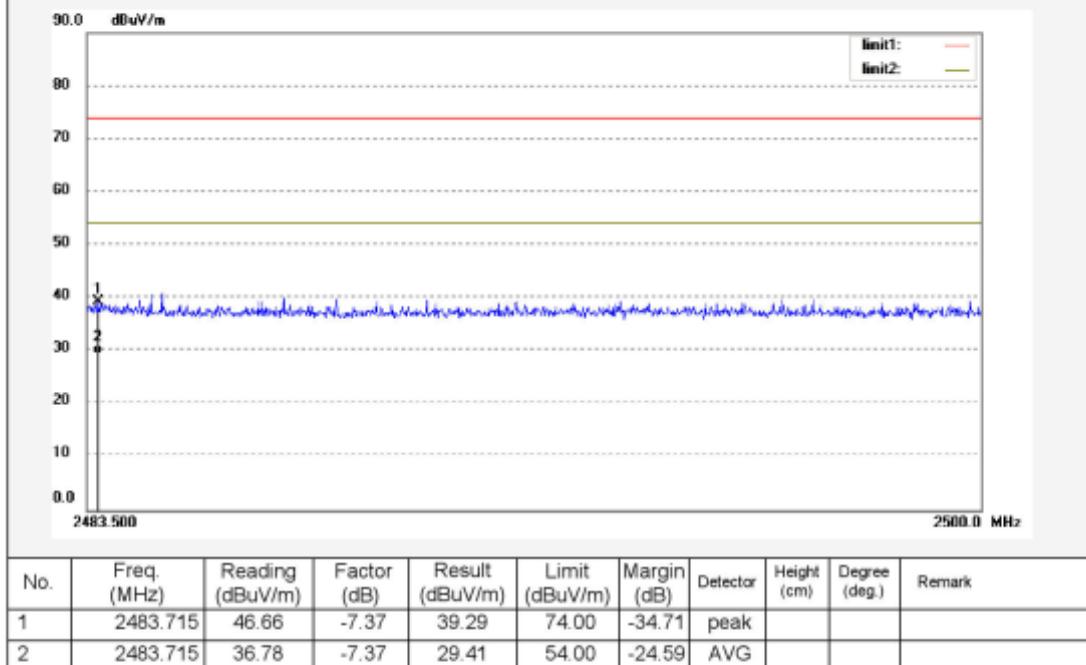


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Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.:	Igwade #694	Polarization:	Vertical
Standard:	FCC (Band Edge)	Power Source:	DC 3.7V
Test Item:	Radiation Test	Date:	16/01/30/
Temp.(C)/Hum.(%)	23 C / 48 %	Time:	
EUT:	Baton Speaker	Engineer Signature:	LGWADE
Mode:	TX 2480MHz	Distance:	3m
Model:	6254701		
Manufacturer:	Saide Tekstil San ve Tic A.S.		
Note:			





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Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Igwade #695

Polarization: Horizontal

Standard: FCC (Band Edge)

Power Source: DC 3.7V

Test Item: Radiation Test

Date: 16/01/30/

Temp.(C)/Hum.(%) 23 C / 48 %

Time:

EUT: Baton Speaker

Engineer Signature: LGWADE

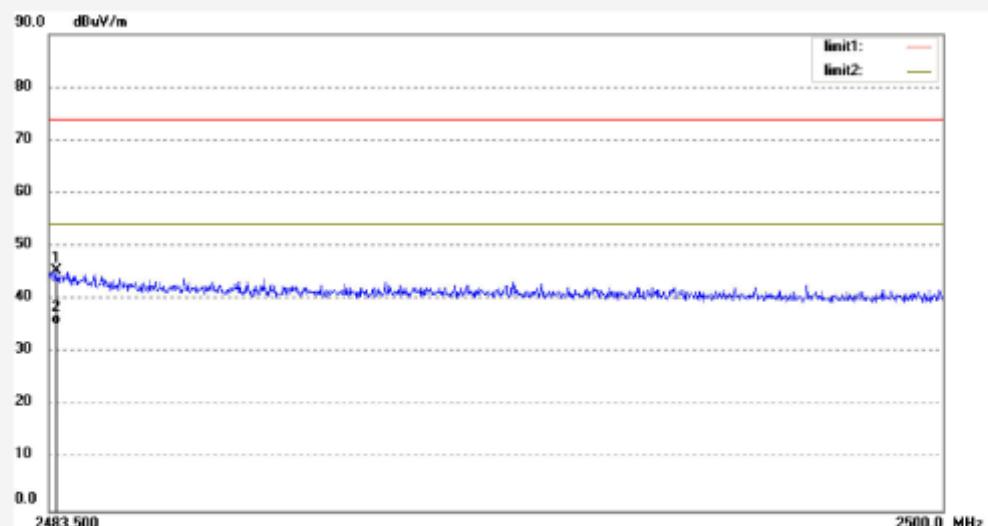
Mode: TX 2480MHz

Distance: 3m

Model: 6254701

Manufacturer: Saide Tekstil San ve Tic A.S.

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2483.632	52.65	-7.37	45.28	74.00	-28.72	peak			
2	2483.632	42.59	-7.37	35.22	54.00	-18.78	AVG			

High Channel



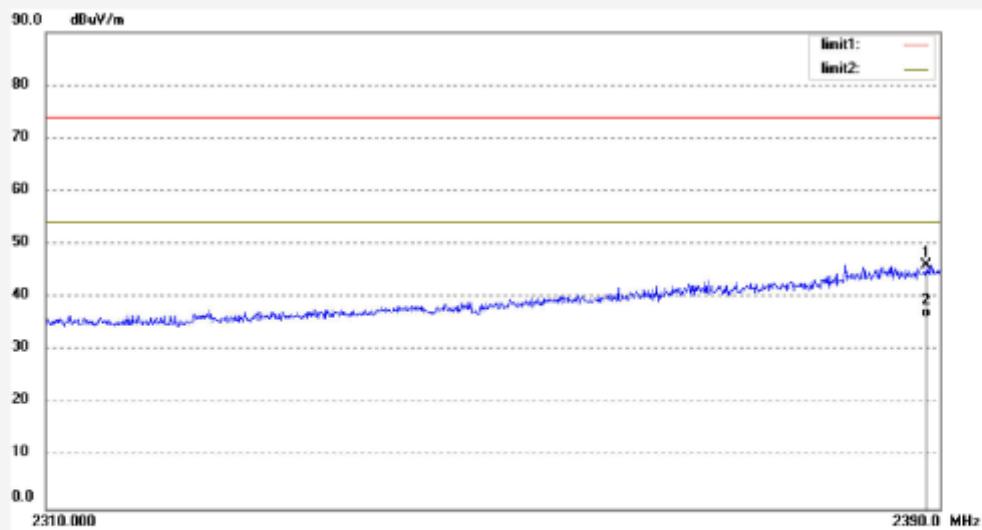
ACCURATE TECHNOLOGY CO., LTD.

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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.:	Igwade #696	Polarization:	Horizontal
Standard:	FCC (Band Edge)	Power Source:	DC 3.7V
Test item:	Radiation Test	Date:	16/01/30/
Temp.(C)/Hum.(%)	23 C / 48 %	Time:	
EUT:	Baton Speaker	Engineer Signature:	LGWADE
Mode:	TX 2402MHz	Distance:	3m
Model:	6254701		
Manufacturer:	Saide Tekstil San ve Tic A.S.		

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2388.800	53.48	-7.53	45.95	74.00	-28.05	peak			
2	2388.800	43.56	-7.53	36.03	54.00	-17.97	AVG			



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Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Igwade #697

Polarization: Vertical

Standard: FCC (Band Edge)

Power Source: DC 3.7V

Test Item: Radiation Test

Date: 16/01/30/

Temp.(C)/Hum.(%) 23 C / 48 %

Time:

EUT: Baton Speaker

Engineer Signature: LGWADE

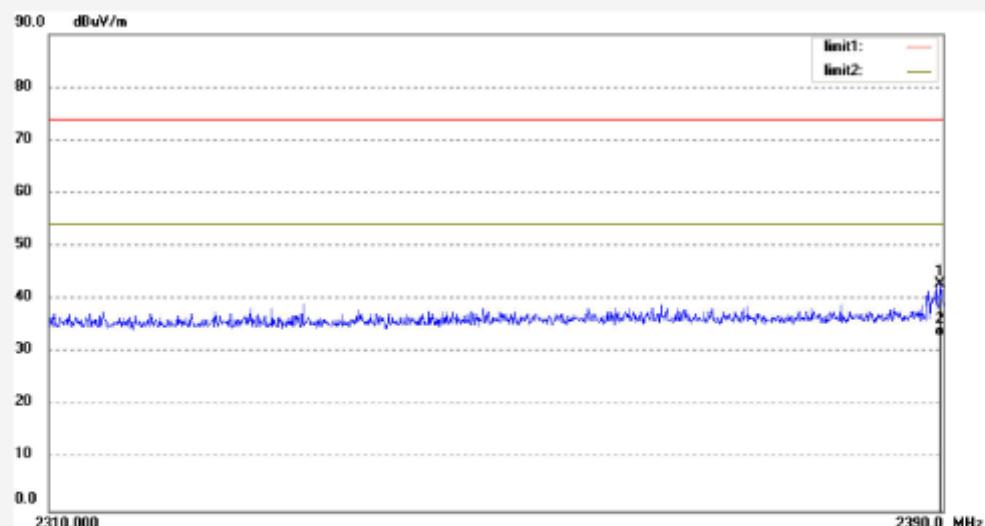
Mode: TX 2402MHz

Distance: 3m

Model: 6254701

Manufacturer: Saide Tekstil San ve Tic A.S.

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	2389.680	50.36	-7.53	42.83	74.00	-31.17	peak			
2	2389.680	40.58	-7.53	33.05	54.00	-20.95	AVG			

Appendix B.3: Test Plots of Conducted Emission

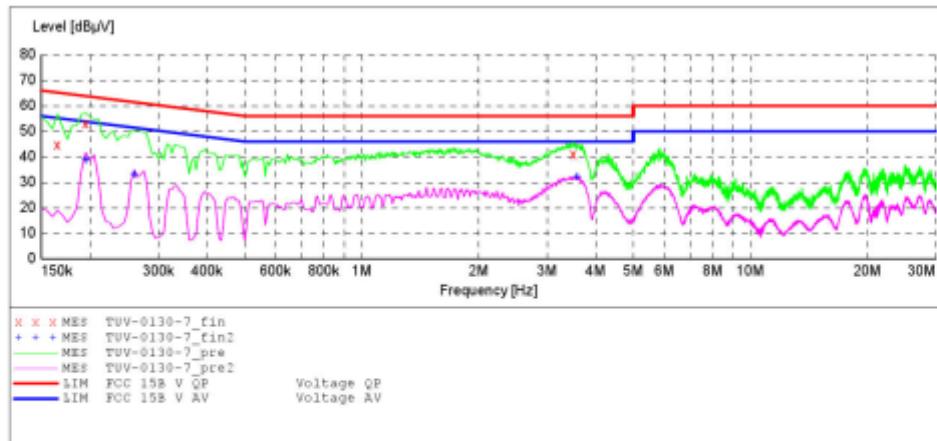
C Mode

ACCURATE TECHNOLOGY CO., LTD
CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: Baton Speaker M/N:6254701
Manufacturer: Saide Tekstil San ve Tic A.S.
Operating Condition: BT
Test Site: 1#Shielding Room
Operator: LGWADE
Test Specification: N 120V/60Hz
Comment:
Start of Test: 1/30/2016 /

SCAN TABLE: "V 9K-30MHz fin"

Start	Stop	Step	Detector	Meas.	IF	Transducer
Frequency	Fréquence	Width		Time	Bandw.	
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	NSLK8126 2008
			Average			
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	NSLK8126 2008
			Average			



MEASUREMENT RESULT: "TUV-0130-7_fin"

1/30/2016	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dB μ V	dB	dB μ V	dB			
	0.165000	44.50	10.5	65	20.7	QP	N	GND
	0.195000	53.00	10.5	64	10.8	QP	N	GND
	3.510000	40.80	11.1	56	15.2	QP	N	GND

MEASUREMENT RESULT: "TUV-0130-7_fin2"

1/30/2016	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dB μ V	dB	dB μ V	dB			
	0.195000	38.60	10.5	54	15.2	AV	N	GND
	0.260000	32.90	10.6	51	18.5	AV	N	GND
	3.580000	32.00	11.1	46	14.0	AV	N	GND

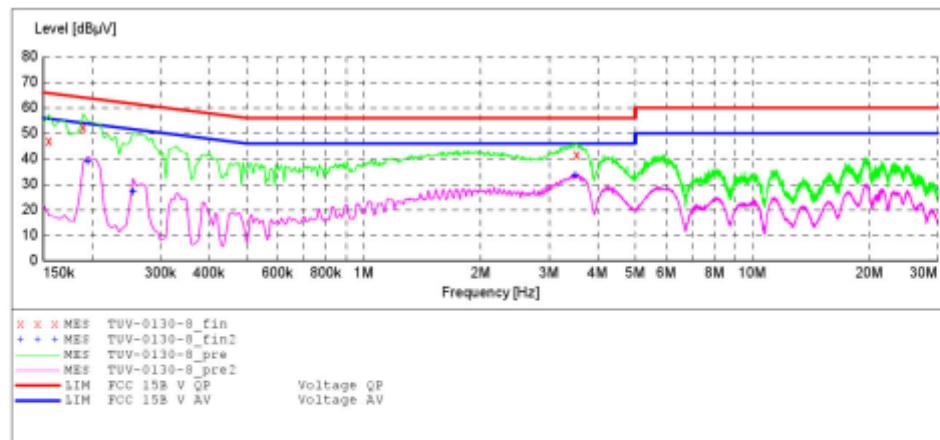
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: Baton Speaker M/N:6254701
Manufacturer: Saide Tekstil San ve Tic A.S.
Operating Condition: BT
Test Site: 1#Shielding Room
Operator: LGWADE
Test Specification: L 120V/60Hz
Comment:
Start of Test: 1/30/2016 /

SCAN TABLE: "V 9K-30MHz fin"

Start Frequency	Stop Frequency	Step Width	Detector	Meas.	IF Time	Transducer Bandw.
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	NSLK8126 2008
			Average			
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	NSLK8126 2008
			Average			



MEASUREMENT RESULT: "TUV-0130-8_fin"

1/30/2016	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dBuV	dB	dBuV	dB			
	0.155000	47.00	10.5	66	18.7	QP	L1	GND
	0.190000	52.30	10.5	64	11.7	QP	L1	GND
	3.540000	41.50	11.1	56	14.5	QP	L1	GND

MEASUREMENT RESULT: "TUV-0130-8_fin2"

1/30/2016	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dBuV	dB	dBuV	dB			
	0.195000	39.00	10.5	54	14.8	AV	L1	GND
	0.255000	27.00	10.6	52	24.6	AV	L1	GND
	3.500000	33.40	11.1	46	12.6	AV	L1	GND

D Mode

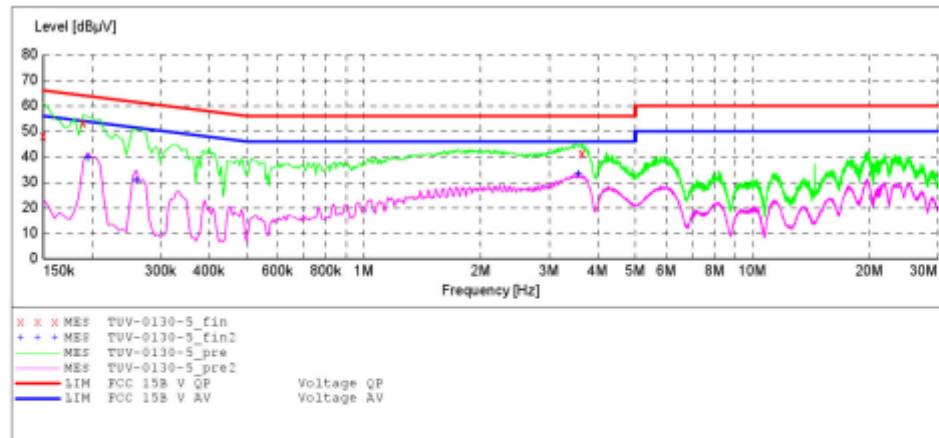
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: Baton Speaker M/N:6254701
 Manufacturer: Saide Tekstil San ve Tic A.S.
 Operating Condition: Charging
 Test Site: 1#Shielding Room
 Operator: LGWADE
 Test Specification: L 120V/60Hz
 Comment:
 Start of Test: 1/30/2016 /

SCAN TABLE: "V 9K-30MHz fin"

Short Description:		SUB STD_VTERM2 1.70			
Start Frequency	Stop Frequency	Step Width	Detector	Meas.	IF Bandw.
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz NSLK8126 2008
			Average		
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz NSLK8126 2008
			Average		



MEASUREMENT RESULT: "TUV-0130-5_fin"

1/30/2016	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dB μ V	dB	dB μ V	dB			
	0.150000	48.00	10.5	66	18.0	QP	L1	GND
	0.190000	53.10	10.5	64	10.9	QP	L1	GND
	3.650000	41.20	11.1	56	14.8	QP	L1	GND

MEASUREMENT RESULT: "TUV-0130-5_fin2"

1/30/2016	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dB μ V	dB	dB μ V	dB			
	0.195000	39.50	10.5	54	14.3	AV	L1	GND
	0.260000	30.70	10.6	51	20.7	AV	L1	GND
	3.560000	33.10	11.1	46	12.9	AV	L1	GND

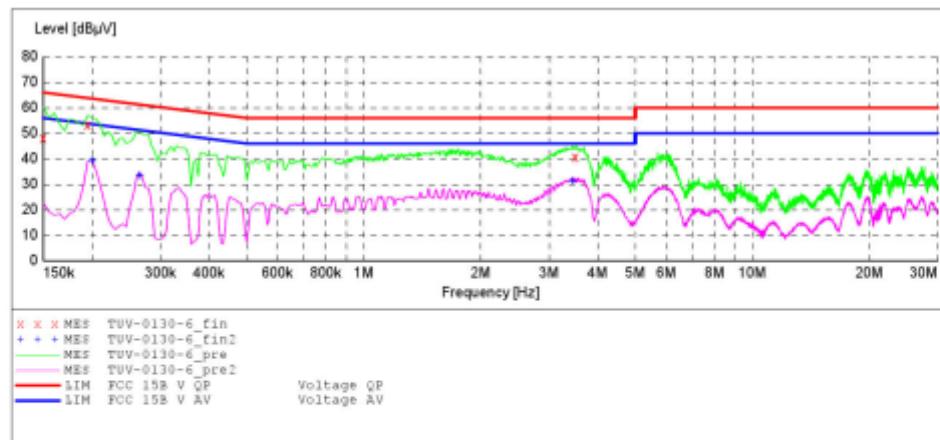
ACCURATE TECHNOLOGY CO., LTD

CONDUCTED EMISSION STANDARD FCC PART 15 B

EUT: Baton Speaker M/N:6254701
Manufacturer: Saide Tekstil San ve Tic A.S.
Operating Condition: Charging
Test Site: 1#Shielding Room
Operator: LGWADE
Test Specification: N 120V/60Hz
Comment:
Start of Test: 1/30/2016 /

SCAN TABLE: "V 9K-30MHz fin"

Start Frequency	Stop Frequency	Step Width	Detector	Meas.	IF Time	Transducer Bandw.
9.0 kHz	150.0 kHz	100.0 Hz	QuasiPeak	1.0 s	200 Hz	NSLK8126 2008
			Average			
150.0 kHz	30.0 MHz	5.0 kHz	QuasiPeak	1.0 s	9 kHz	NSLK8126 2008
			Average			



MEASUREMENT RESULT: "TUV-0130-6_fin"

1/30/2016	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dBuV	dB	dBuV	dB			
	0.150000	48.20	10.5	66	17.8	QP	N	GND
	0.195000	53.30	10.5	64	10.5	QP	N	GND
	3.510000	40.60	11.1	56	15.4	QP	N	GND

MEASUREMENT RESULT: "TUV-0130-6_fin2"

1/30/2016	Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
	MHz	dBuV	dB	dBuV	dB			
	0.200000	39.10	10.5	54	14.5	AV	N	GND
	0.265000	33.10	10.6	51	18.2	AV	N	GND
	3.450000	31.30	11.1	46	14.7	AV	N	GND

Appendix B.4: Test Plots of Radiated Emission

D Mode

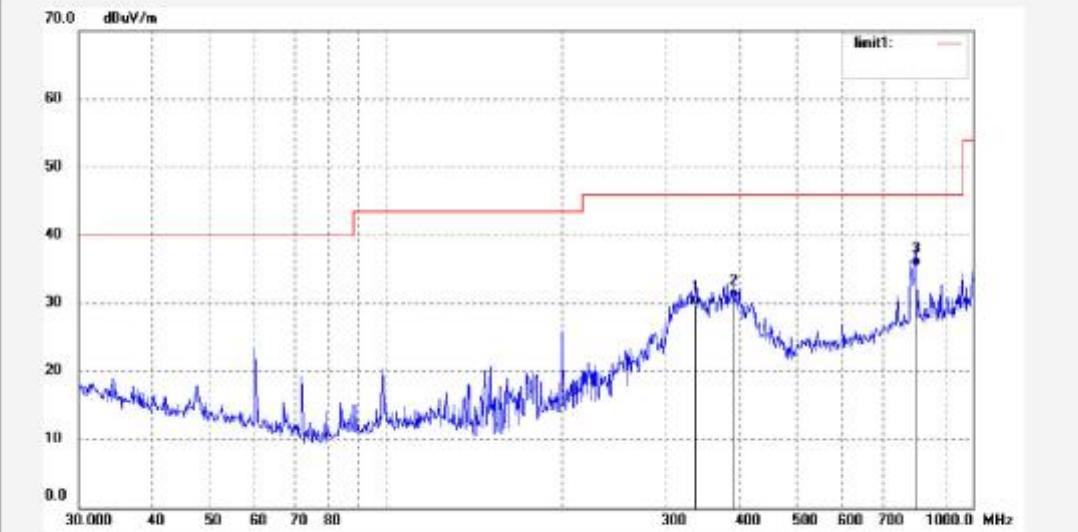


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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.:	Igwade #674	Polarization:	Vertical
Standard:	FCC Class B 3M Radiated	Power Source:	DC 5V
Test item:	Radiation Test	Date:	16/01/28/
Temp.(C)/Hum.(%)	23 C / 48 %	Time:	
EUT:	Baton Speaker	Engineer Signature:	LGWADE
Mode:	Charging	Distance:	3m
Model:	6254701		
Manufacturer:	Saide Tekstil San ve Tic A.S.		
Note:			



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	337.2155	38.04	-8.18	29.86	46.00	-16.14	QP			
2	390.7225	37.94	-7.20	30.74	46.00	-15.26	QP			
3	798.9796	35.49	0.02	35.51	46.00	-10.49	QP			



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Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: Igwade #675

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 5V

Test Item: Radiation Test

Date: 16/01/28/

Temp.(C)Hum.(%) 23 C / 48 %

Time:

EUT: Baton Speaker

Engineer Signature: LGWADE

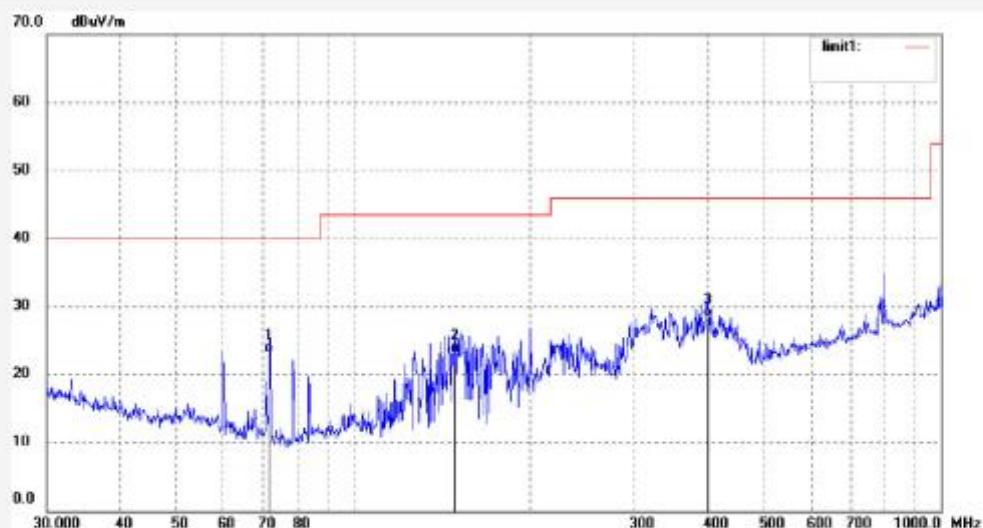
Mode: Charging

Distance: 3m

Model: 6254701

Manufacturer: Saide Tekstil San ve Tic A.S.

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	71.8319	38.95	-15.75	23.20	40.00	-16.80	QP			
2	148.4410	38.08	-14.88	23.20	43.50	-20.30	QP			
3	400.4318	35.31	-6.81	28.50	46.00	-17.50	QP			



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Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Igwade #682

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC 5V

Test Item: Radiation Test

Date: 16/01/28/

Temp.(C)/Hum.(%) 23 C / 48 %

Time:

EUT: Baton Speaker

Engineer Signature: LGWADE

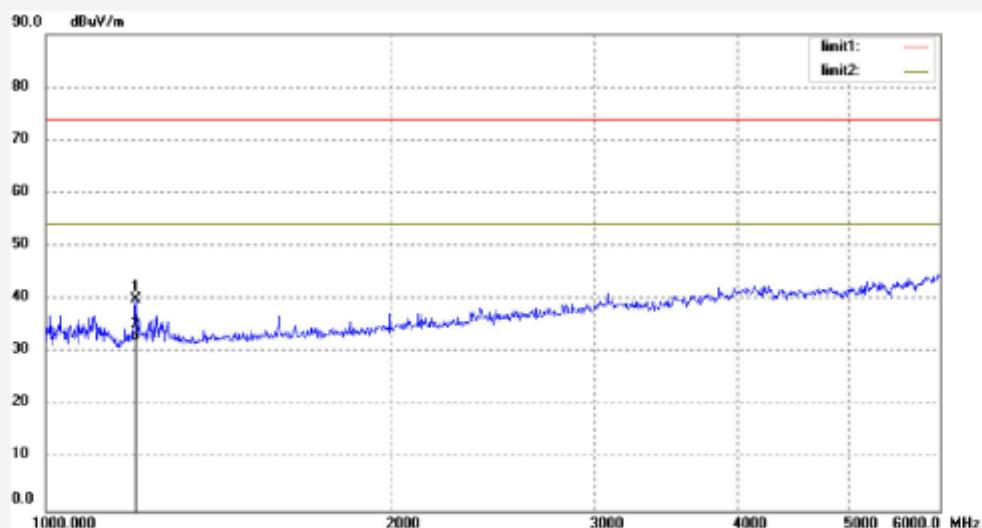
Mode: Charging

Distance: 3m

Model: 6254701

Manufacturer: Saide Tekstil San ve Tic A.S.

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	1196.231	52.38	-12.50	39.88	74.00	-34.12	peak			
2	1196.231	44.56	-12.50	32.06	54.00	-21.94	AVG			



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Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Igwade #683

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 5V

Test Item: Radiation Test

Date: 16/01/28/

Temp.(C)/Hum.(%) 23 C / 48 %

Time:

EUT: Baton Speaker

Engineer Signature: LGWADE

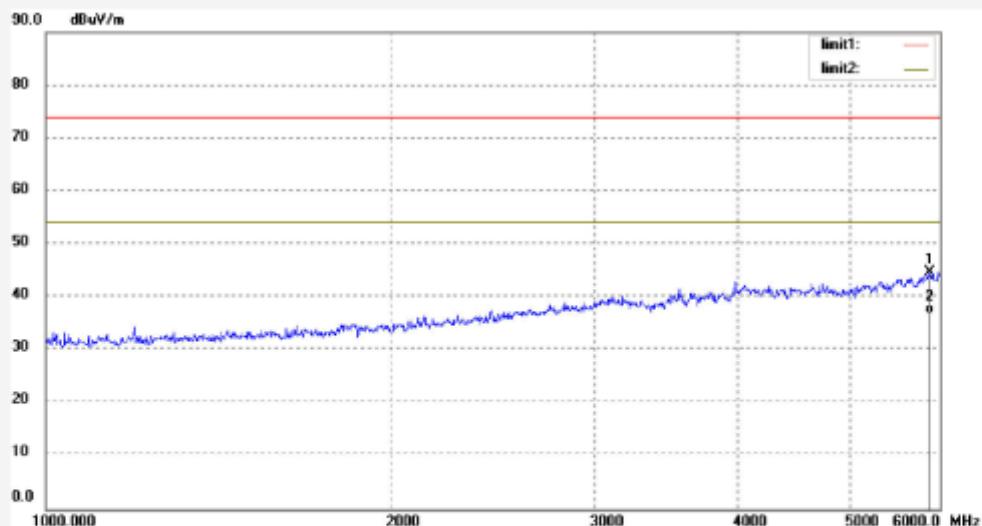
Mode: Charging

Distance: 3m

Model: 6254701

Manufacturer: Saide Tekstil San ve Tic A.S.

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5872.370	42.73	1.95	44.68	74.00	-29.32	peak			
2	5872.370	34.91	1.95	36.86	54.00	-17.14	AVG			

E Mode

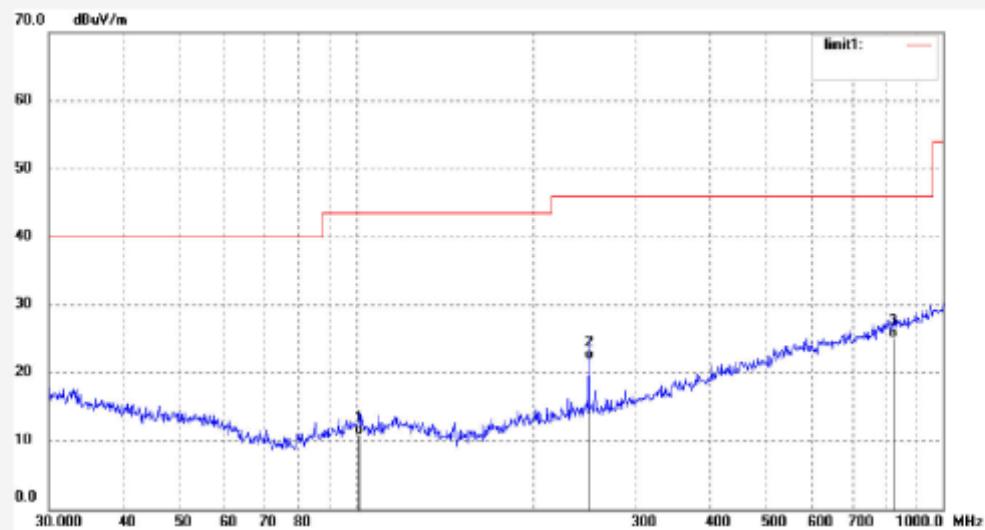


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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.:	Igwade #676	Polarization:	Horizontal
Standard:	FCC Class B 3M Radiated	Power Source:	DC 3.7V
Test item:	Radiation Test	Date:	16/01/28/
Temp.(C)	Hum.(%) 23 C / 48 %	Time:	
EUT:	Baton Speaker	Engineer Signature:	LGWADE
Mode:	Aux in	Distance:	3m
Model:	6254701		
Manufacturer:	Saide Tekstil San ve Tic A.S.		
Note:			



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	101.2883	23.87	-12.94	10.93	43.50	-32.57	QP			
2	249.4250	32.65	-10.67	21.98	46.00	-24.02	QP			
3	821.7103	24.75	0.36	25.11	46.00	-20.89	QP			



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Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Igwade #677

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC 3.7V

Test Item: Radiation Test

Date: 16/01/28/

Temp.(C)Hum.(%) 23 C / 48 %

Time:

EUT: Baton Speaker

Engineer Signature: LGWADE

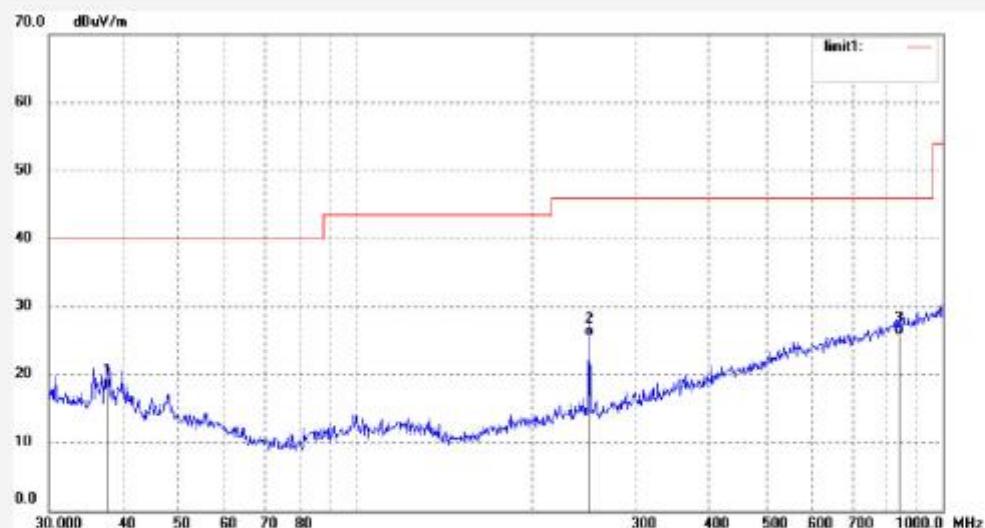
Mode: Aux in

Distance: 3m

Model: 6254701

Manufacturer: Saide Tekstil San ve Tic A.S.

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	37.8121	28.44	-10.24	18.20	40.00	-21.80	QP			
2	250.3011	36.31	-10.67	25.64	46.00	-20.36	QP			
3	842.1295	25.18	0.66	25.84	46.00	-20.16	QP			



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Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Igwade #684

Polarization: Horizontal

Standard: FCC Class B 3M Radiated

Power Source: DC 3.7V

Test Item: Radiation Test

Date: 16/01/28/

Temp.(C)/Hum.(%) 23 C / 48 %

Time:

EUT: Baton Speaker

Engineer Signature: LGWADE

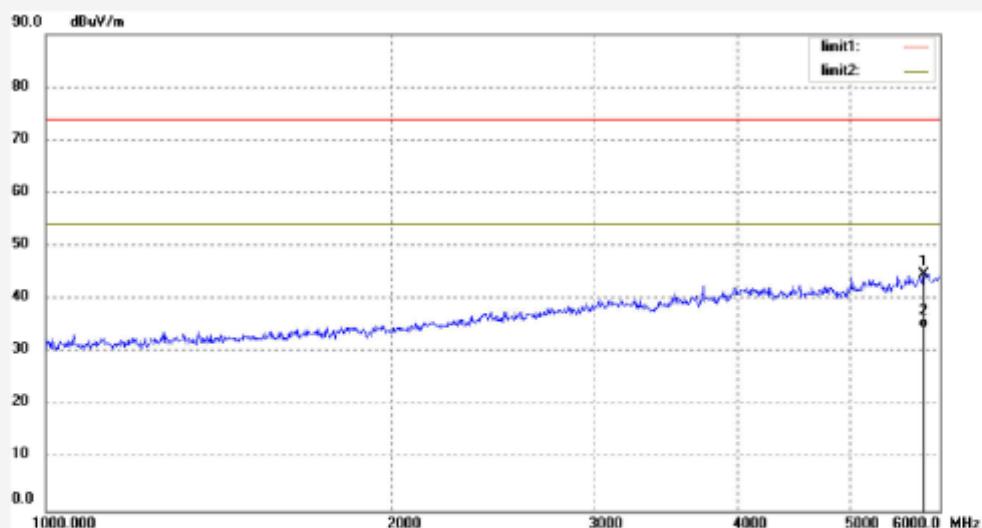
Mode: Aux in

Distance: 3m

Model: 6254701

Manufacturer: Saide Tekstil San ve Tic A.S.

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5809.577	42.58	1.98	44.56	74.00	-29.44	peak			
2	5809.577	32.67	1.98	34.65	54.00	-19.35	AVG			



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F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: Igwade #685

Polarization: Vertical

Standard: FCC Class B 3M Radiated

Power Source: DC 3.7V

Test Item: Radiation Test

Date: 16/01/28/

Temp.(C)/Hum.(%) 23 C / 48 %

Time:

EUT: Baton Speaker

Engineer Signature: LGWADE

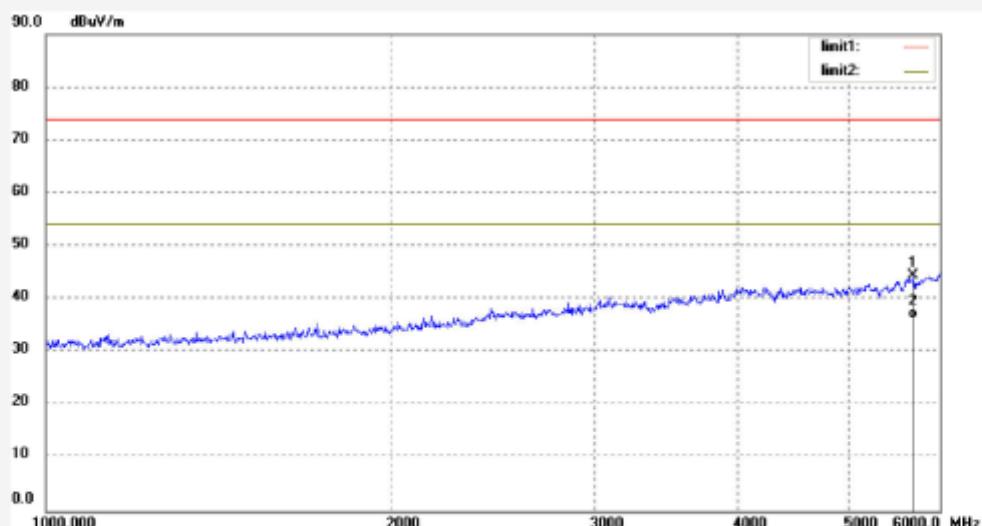
Mode: Aux in

Distance: 3m

Model: 6254701

Manufacturer: Saide Tekstil San ve Tic A.S.

Note:



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5685.998	43.16	1.17	44.33	74.00	-29.67	peak			
2	5685.998	35.23	1.17	36.40	54.00	-17.60	AVG			