

FCC - TEST REPORT

Report Number : **60.792.17.010.01R01** Date of Issue : April 5, 2017

Model : **HG00593A, HG00593B, HG00593D**

Product Type : **Bluetooth Headphone**

Applicant : Lidl US Trading, LLC

Address : 3500 S. Clark Street Arlington, Virginia, 22202

Production Facility : DIGI MAX TECHNOLOGY LIMITED

Address : Room 708, Building 3, Xinyuan B area, Jinshan Industrial District, Fuzhou, China

Test Result : ☒ **Positive** ☐ **Negative**

Total pages including Appendices : 43

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2 Description of Equipment Under Test

Description of the Equipment Under Test

Product:	Bluetooth Headphone
Model no.:	HG00593A, HG00593B, HG00593D
FCC ID:	2AJ9O-HG593
Rating:	1) 3.7VDC (1 x 3.7VDC Rechargeable battery) 2) 5.0VDC (USB port)
Frequency:	2402MHz-2480MHz
Antenna gain:	0 dBi
Number of operated channel:	79
Modulation:	GFSK

3 Summary of Test Standards

Test Standards
FCC Part 15 Subpart C 10-1-15 Edition Federal Communications Commission, PART 15 — Radio Frequency Devices, Subpart C — Unintentional Radiators

4 Details about the Test Laboratory

Site 1

Company name: TÜV SÜD Hong Kong Ltd.
3/F, West Wing, Lakeside 2,
10 Science Park West Avenue,
Science Park, Shatin, Hong Kong

Site 2

Company name: TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch
Building 12&13 Zhiheng Wisdomland Business Park,
Nantou Checkpoint Road 2,
Shenzhen 518052, P.R.China
FCC Registration Number: 502708

Emission Tests	
Test Item	Test Site
FCC Part 15 Subpart C	
FCC Title 47 Part 15.205, 15.209 & 15.247(d) Spurious Radiated Emission	Site 2
FCC Title 47 Part 15.247(a)(1) 20dB & 99% Bandwidth	Site 2
FCC Title 47 Part 15.247(b) Peak Output Power	Site 2
FCC Title 47 Part 2.1051 & 15.247(d) Spurious Emissions at Antenna Terminals	Site 2
FCC Title 47 Part 15.247(d) 100kHz Bandwidth of band edges	Site 2
FCC Title 47 Part 15.247(a)(1) Minimum Number of Hopping Frequencies	Site 2
FCC Title 47 Part 15.247(a)(1) Minimum Hopping Channel Carrier Frequency Separation	Site 2
FCC Title 47 Part 15.247(a)(1) Average Time of Occupancy	Site 2
FCC Title 47 Part 15.203 & 15.247(b) Antenna Requirement	Site 2

4.1 Test Equipment Site List

Radiated emission Test – Site 2

DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.	CAL. DUE DATE
EMI Test Receiver	Rohde & Schwarz	ESR 26	101269	15-July-17
Trilog Super Broadband Test Antenna	Schwarzbeck	VULB 9163	707	15-July-17
Horn Antenna	Rohde & Schwarz	HF907	102294	15-July-17
Pre-amplifier	Rohde & Schwarz	SCU 18	102230	15-July-17
3m Semi-anechoic chamber	TDK	9X6X6	----	29-May-19

20dB & 99% Bandwidth, Peak Output Power, Spurious Emissions at Antenna Terminals,
100kHz Bandwidth of band edges, Min. No. of Hopping Frequencies,
Min. Hopping Channel Carrier Frequency Separation and Average Time of Occupancy – Site 2

DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.	CAL. DUE DATE
Signal Generator	Rohde & Schwarz	SMB100A	108272	15-July-17
Signal Analyzer	Rohde & Schwarz	FSV40	101030	15-July-17
Vector Signal Generator	Rohde & Schwarz	SMU 200A	105324	15-July-17
RF Switch Module	Rohde & Schwarz	OSP120/OSP-B157	101226/100851	15-July-17

4.2 Measurement System Uncertainty

Measurement System Uncertainty Emissions

System Measurement Uncertainty	
Items	Extended Uncertainty
Uncertainty for Radiated Emission in 3m chamber 9kHz-30MHz	4.54dB
Uncertainty for Radiated Emission in 3m chamber 30MHz-1000MHz	Horizontal: 4.83dB; Vertical: 4.91dB;
Uncertainty for Radiated Emission in 3m chamber 1000MHz-25000MHz	Horizontal: 4.89dB; Vertical: 4.88dB;
Uncertainty for Conducted RF test	2.04dB

5 Summary of Test Results

Emission Tests				
FCC Part 15 Subpart C				
Test Condition	Pages	Test Result		
		Pass	Fail	N/A
FCC Title 47 Part 15.205, 15.209 & 15.247(d) Spurious Radiated Emission	10-15	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FCC Title 47 Part 15.247(a)(2) 6dB & 99% Bandwidth	16-18	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FCC Title 47 Part 15.247(b) Peak Output Power	19-21	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FCC Title 47 Part 2.1051 & 15.247(d) Spurious Emissions at Antenna Terminals	22-24	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FCC Title 47 Part 15.247(d) 100kHz Bandwidth of band edges	25-28	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FCC Title 47 Part 15.247(a)(1) Min. No. of Hopping Frequencies	29	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FCC Title 47 Part 15.247(a)(1) Min. of Hopping Channel Carrier Frequency Separation	30	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FCC Title 47 Part 15.247(a)(1) Average Time of Occupancy	31	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FCC Title 47 Part 15.203 & 15.247(b) Antenna Requirement	32	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

6 General Remarks

Remarks

Client informs that the model HG00593A, HG00593D have the same technical construction including circuit diagram, PCB Layout, components and component layout, all electrical construction and mechanical construction, with Bluetooth Headphone, HG00593B. The difference lies only on different buyer of the different models. (Client's confirmation letter shown at appendix C)

EMC tests were performed on model: HG00593B

SUMMARY:

- All tests according to the regulations cited on page 5 were

■ - Performed

□ - **Not** Performed

- The Equipment Under Test

■ - **Fulfills** the general approval requirements.

□ - **Does not** fulfill the general approval requirements.

Sample Received Date: March 7, 2017

Testing Start Date: March 8, 2017


Testing End Date: April 3, 2017

- TÜV SÜD HONG KONG LTD. -

Reviewed by:


TSENG Chi Kit
EMC Project Engineer

Prepared by:


CHAN Kwan Ho Alex
EMC Project Engineer

7 Emission Test Results

7.1 Spurious Radiated Emission

EUT: HG00593B
 Op Condition: Operated, TX Mode (2402MHz)
 Test Specification: FCC15.205, 15.209 & 15.247(d) Antenna: Horizontal
 Comment: 3.7VDC
 Remark: 9kHz to 25GHz

Test Result	
<input checked="" type="checkbox"/>	Passed
<input type="checkbox"/>	Not Passed

Frequency MHz	Result dBμV/m	Limit dBμV/m	Margin dB	Detector
72.030	33.62	40.0	-6.38	Quasi Peak
119.970	31.03	43.5	-12.47	Quasi Peak
240.006	41.32	46.0	-4.68	Quasi Peak
1104.581	41.07	74.0	-32.93	Peak
1104.581	32.25	54.0	-21.75	Average
1856.445	41.25	74.0	-32.75	Peak
1856.445	33.08	54.0	-20.92	Average
4803.685	43.17	74.0	-30.83	Peak
4803.685	34.85	54.0	-19.15	Average
7213.942	50.50	74.0	-23.50	Peak
7213.942	39.88	54.0	-14.12	Average
9577.724	49.20	74.0	-24.80	Peak
9577.724	40.17	54.0	-13.83	Average
14993.437	47.21	74.0	-13.83	Peak
14993.437	38.62	54.0	-13.83	Average

Spurious Radiated Emission

EUT: HG00593B
 Op Condition: Operated, TX Mode (2402MHz)
 Test Specification: FCC15.205, 15.209 & 15.247(d) Antenna: Vertical
 Comment: 3.7VDC
 Remark: 9kHz to 25GHz

Test Result	
<input checked="" type="checkbox"/>	Passed
<input type="checkbox"/>	Not Passed

Frequency MHz	Result dB μ V/m	Limit dB μ V/m	Margin dB	Detector
72.000	29.00	40.0	-11.00	Quasi Peak
95.940	31.64	43.5	-11.86	Quasi Peak
240.015	40.97	46.0	-5.03	Quasi Peak
1025.550	42.68	74.0	-31.32	Peak
1025.550	33.71	54.0	-20.29	Average
1805.725	47.65	74.0	-26.35	Peak
1805.725	39.41	54.0	-14.59	Average
4803.685	45.20	74.0	-28.80	Peak
4803.685	36.29	54.0	-17.71	Average
7213.942	51.68	74.0	-22.32	Peak
7213.942	42.95	54.0	-11.05	Average
9577.724	50.21	74.0	-23.79	Peak
9577.724	42.33	54.0	-11.67	Average
14992.031	47.27	74.0	-26.73	Peak
14992.031	38.29	54.0	-15.71	Average

Spurious Radiated Emission

EUT: HG00593B
 Op Condition: Operated, TX Mode (2441MHz)
 Test Specification: FCC15.205, 15.209 & 15.247(d) Antenna: Horizontal
 Comment: 3.7VDC
 Remark: 9kHz to 25GHz

Test Result	
<input checked="" type="checkbox"/>	Passed
<input type="checkbox"/>	Not Passed

Frequency MHz	Result dB μ V/m	Limit dB μ V/m	Margin dB	Detector
72.160	28.32	40.0	-11.68	Quasi Peak
120.000	36.67	43.5	-6.83	Quasi Peak
240.005	41.25	46.0	-4.75	Quasi Peak
1024.624	42.97	74.0	-31.03	Peak
1024.624	31.63	54.0	-22.37	Average
1756.445	43.85	74.0	-30.15	Peak
1756.445	32.91	54.0	-21.09	Average
4879.800	57.30	74.0	-16.70	Peak
4879.800	41.33	54.0	-12.67	Average
7320.755	65.70	74.0	-8.30	Peak
7320.755	47.12	54.0	-6.88	Average
9598.664	50.62	74.0	-23.38	Peak
9598.664	40.24	54.0	-13.76	Average
16292.812	48.31	74.0	-25.69	Peak
16292.812	39.14	54.0	-14.86	Average

Spurious Radiated Emission

EUT: HG00593B
 Op Condition: Operated, TX Mode (2441MHz)
 Test Specification: FCC15.205, 15.209 & 15.247(d) Antenna: Vertical
 Comment: 3.7VDC
 Remark: 9kHz to 25GHz

Test Result	
<input checked="" type="checkbox"/>	Passed
<input type="checkbox"/>	Not Passed

Frequency MHz	Result dB μ V/m	Limit dB μ V/m	Margin dB	Detector
72.160	28.32	40.0	-11.68	Quasi Peak
120.000	36.67	43.5	-6.83	Quasi Peak
240.015	41.25	46.0	-4.75	Quasi Peak
1024.624	42.97	74.0	-31.03	Peak
1024.624	31.63	54.0	-22.37	Average
1756.445	43.85	74.0	-30.15	Peak
1756.445	32.91	54.0	-21.09	Average
4879.800	57.30	74.0	-16.70	Peak
4879.800	41.33	54.0	-12.67	Average
7320.755	65.70	74.0	-8.30	Peak
7320.755	47.12	54.0	-6.88	Average
9598.664	50.62	74.0	-23.38	Peak
9598.664	40.24	54.0	-13.76	Average
14993.906	46.83	74.0	-27.17	Peak
14993.906	37.61	54.0	-16.39	Average

Spurious Radiated Emission

EUT: HG00593B
 Op Condition: Operated, TX Mode (2480MHz)
 Test Specification: FCC15.205, 15.209 & 15.247(d) Antenna: Horizontal
 Comment: 3.7VDC
 Remark: 9kHz to 25GHz

Test Result	
<input checked="" type="checkbox"/>	Passed
<input type="checkbox"/>	Not Passed

Frequency MHz	Result dBμV/m	Limit dBμV/m	Margin dB	Detector
72.160	28.32	40.0	-11.68	Quasi Peak
120.000	36.67	43.5	-6.83	Quasi Peak
240.012	41.25	46.0	-4.75	Quasi Peak
1024.624	42.97	74.0	-31.03	Peak
1024.624	31.63	54.0	-22.37	Average
1756.445	43.85	74.0	-30.15	Peak
1756.445	32.91	54.0	-21.09	Average
4879.800	57.30	74.0	-16.70	Peak
4879.800	41.33	54.0	-12.67	Average
7320.755	65.70	74.0	-8.30	Peak
7320.755	47.12	54.0	-6.88	Average
9598.664	50.62	74.0	-23.38	Peak
9598.664	40.24	54.0	-13.76	Average
16324.218	47.84	74.0	-26.16	Peak
16324.218	38.66	54.0	-15.34	Average

Spurious Radiated Emission

EUT: HG00593B
 Op Condition: Operated, TX Mode (2480MHz)
 Test Specification: FCC15.205, 15.209 & 15.247(d) Antenna: Vertical
 Comment: 3.7VDC
 Remark: 9kHz to 25GHz

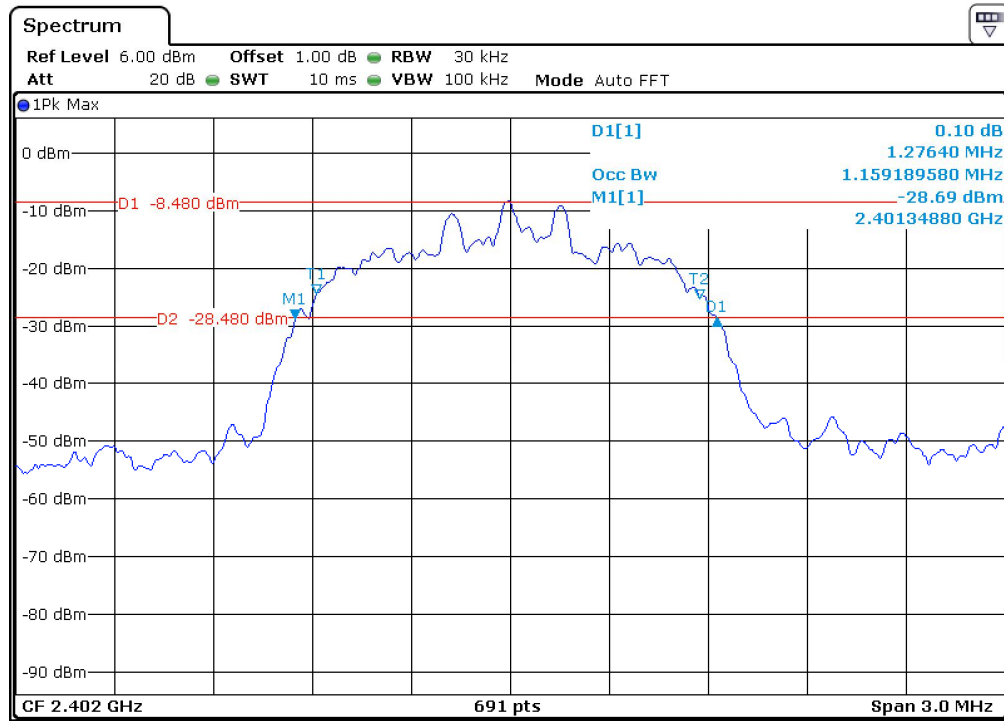
Test Result	
<input checked="" type="checkbox"/>	Passed
<input type="checkbox"/>	Not Passed

Frequency MHz	Result dB μ V/m	Limit dB μ V/m	Margin dB	Detector
71.790	32.99	40.0	-7.01	Quasi Peak
120.000	31.87	43.5	-11.63	Quasi Peak
240.017	39.95	46.0	-6.05	Quasi Peak
1195.260	42.71	74.0	-31.29	Peak
1195.150	33.03	54.0	-20.97	Average
1854.505	41.05	74.0	-32.95	Peak
1854.505	31.12	54.0	-22.88	Average
4958.125	42.41	74.0	-31.59	Peak
4958.125	31.76	54.0	-22.24	Average
7444.711	52.41	74.0	-21.59	Peak
7444.711	41.89	54.0	-12.11	Average
10212.339	59.32	74.0	-14.68	Peak
10212.339	45.65	54.0	-8.35	Average
14997.656	47.23	74.0	-26.77	Peak
14997.656	37.94	54.0	-16.06	Average

7.2 20dB & 99% Bandwidth

EUT: HG00593B
Op Condition: Operated, TX Mode (2402MHz)
Test Specification: FCC15.247(a)(2), 20dB Bandwidth & 99% Bandwidth
Comment: 3.7VDC

Test Result
☒ Passed
☐ Not Passed

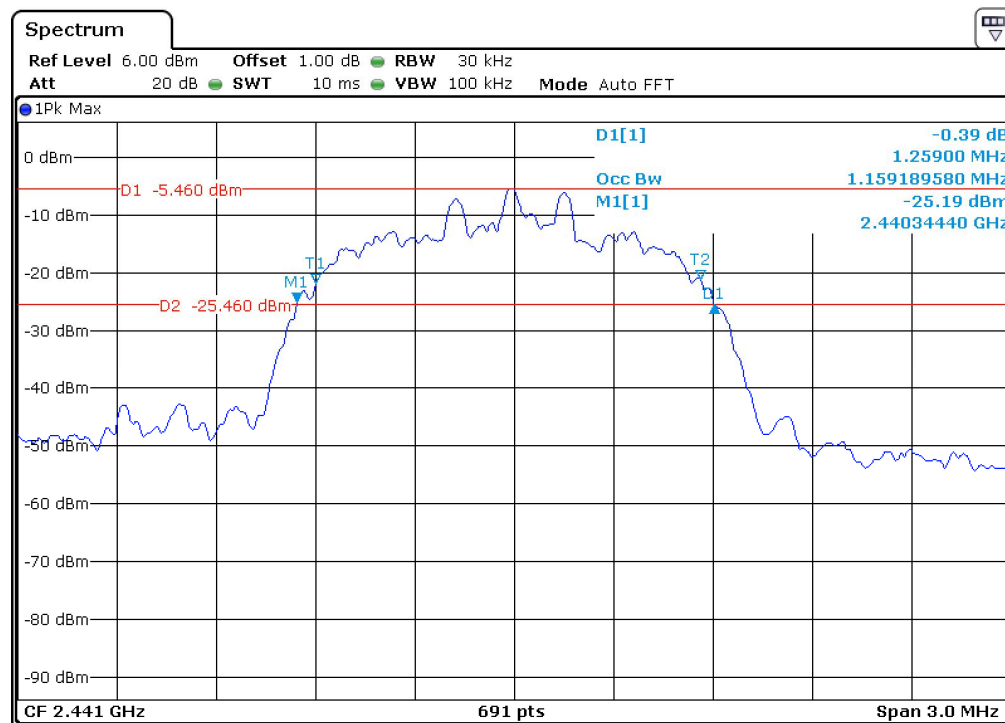


20dB bandwidth	99% bandwidth
1276.400 kHz	1159.189 kHz

20dB & 99% Bandwidth

EUT: HG00593B
 Op Condition: Operated, TX Mode (2441MHz)
 Test Specification: FCC15.247(a)(2), 20dB Bandwidth & 99% Bandwidth
 Comment: 3.6VDC

Test Result	
<input checked="" type="checkbox"/>	Passed
<input type="checkbox"/>	Not Passed

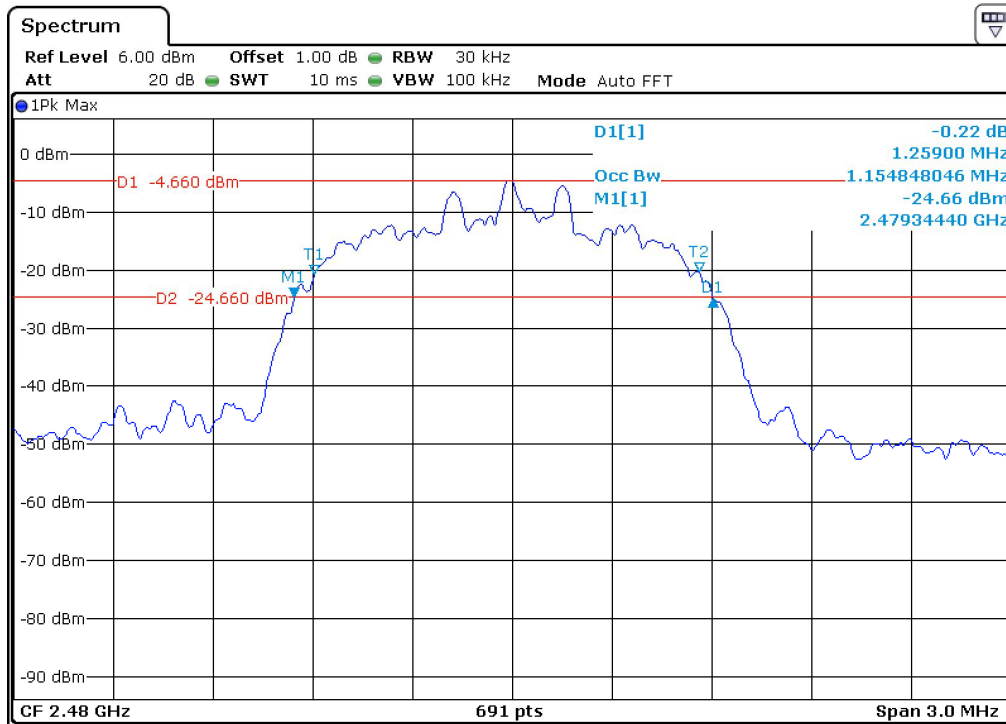


20dB bandwidth	99% bandwidth
1259.000 kHz	1159.189 kHz

20dB & 99% Bandwidth

EUT: HG00593B
Op Condition: Operated, TX Mode (2480MHz)
Test Specification: FCC15.247(a)(2), 20dB Bandwidth & 99% Bandwidth
Comment: 3.7VDC

Test Result
☒ Passed
☐ Not Passed

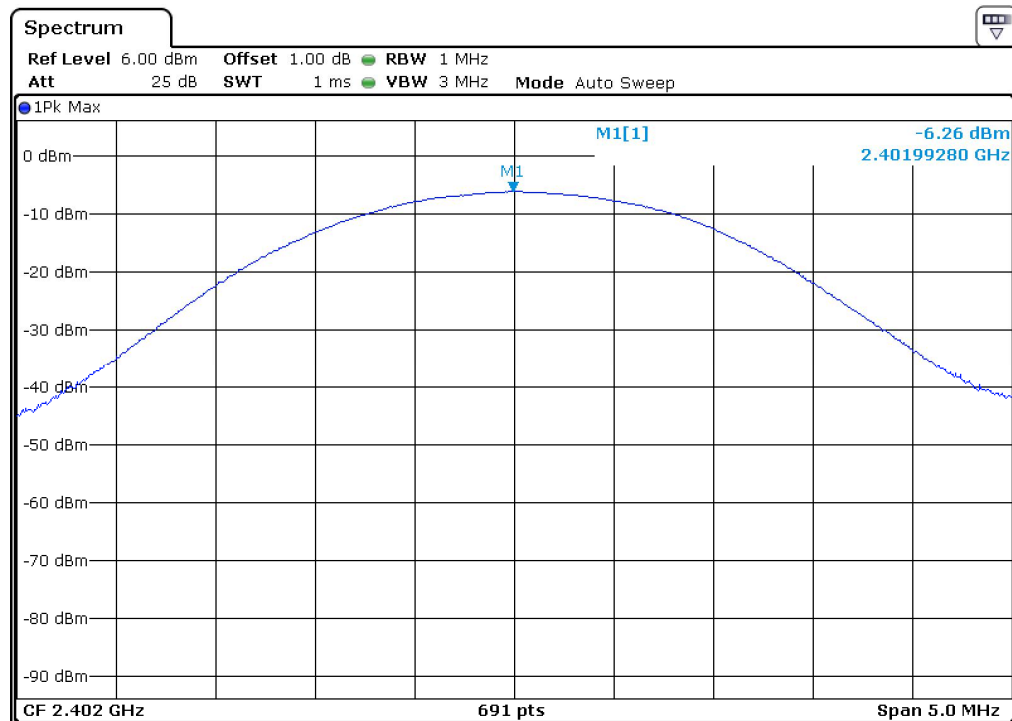


20dB bandwidth	99% bandwidth
1259.000kHz	1154.848 kHz

7.3 Peak Output Power

EUT: HG00593B
 Op Condition: Operated, TX Mode (2402MHz)
 Test Specification: FCC15.247(b)
 Comment: 3.7VDC, Antenna gain: 0 dBi, Cable Loss: 0.5dB

Test Result	
<input checked="" type="checkbox"/>	Passed
<input type="checkbox"/>	Not Passed

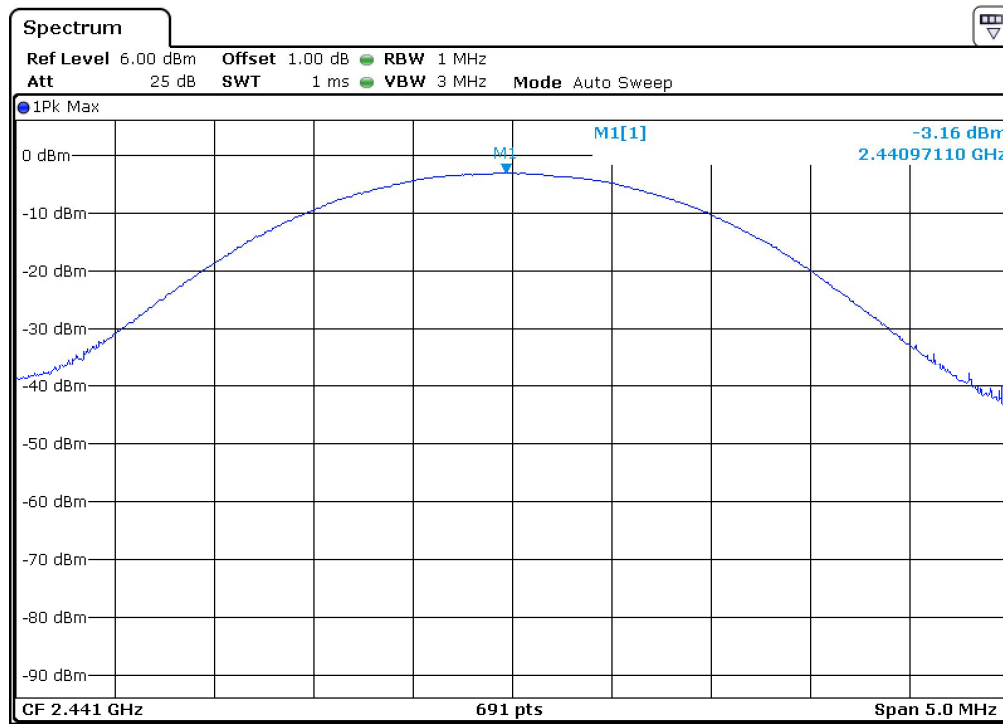


Conducted Output Power (dBm)	Conducted Output Power (mW)	Limit (mW)
-6.26	0.237	125.0

Peak Output Power

EUT: HG00593B
 Op Condition: Operated, TX Mode (2441MHz)
 Test Specification: FCC15.247(b)
 Comment: 3.7VDC, Antenna gain: 0 dBi, Cable Loss: 0.5dB

Test Result	
<input checked="" type="checkbox"/>	Passed
<input type="checkbox"/>	Not Passed

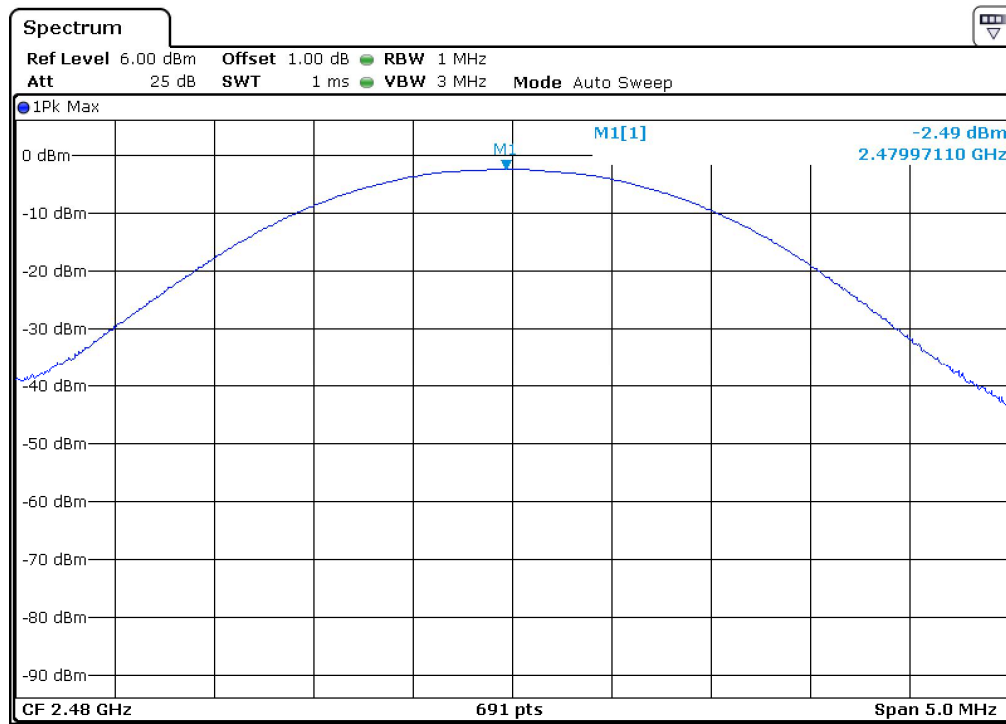


Conducted Output Power (dBm)	Conducted Output Power (mW)	Limit (mW)
-3.16	0.483	125.0

Peak Output Power

EUT: HG00593B
 Op Condition: Operated, TX Mode (2480MHz)
 Test Specification: FCC15.247(b)
 Comment: 3.7VDC, Antenna gain: 0 dBi, Cable Loss: 0.5dB

Test Result	
<input checked="" type="checkbox"/>	Passed
<input type="checkbox"/>	Not Passed

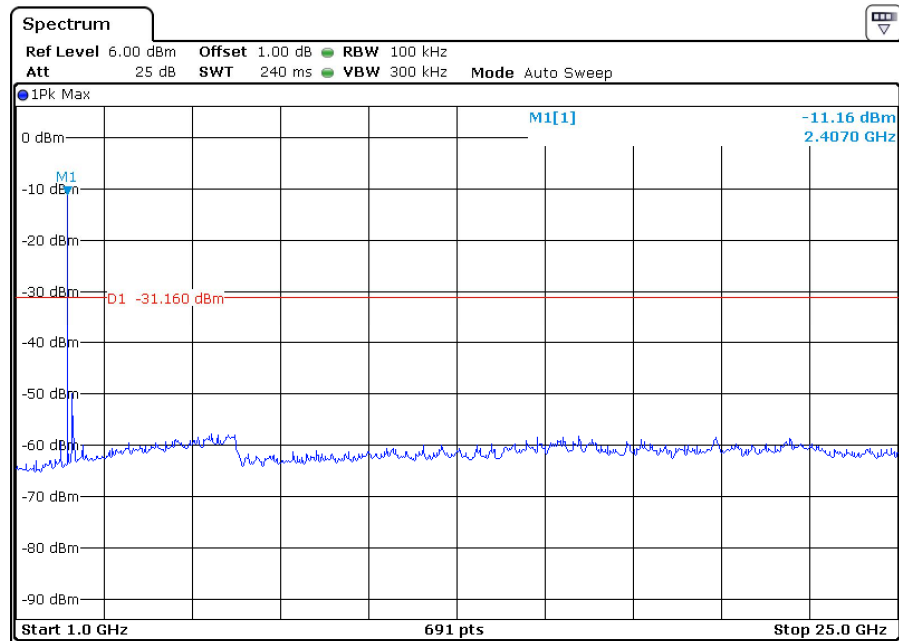
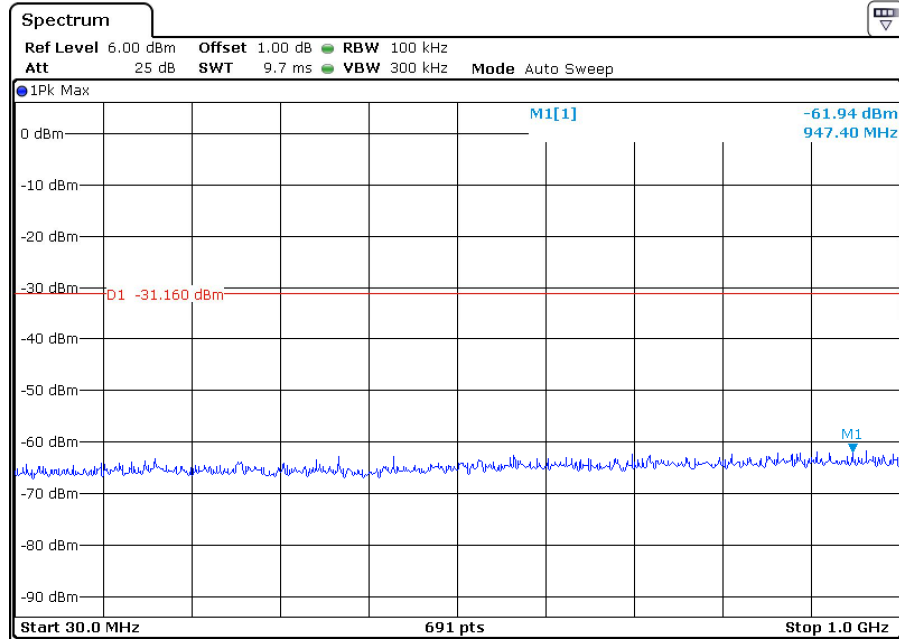


Conducted Output Power (dBm)	Conducted Output Power (mW)	Limit (mW)
-2.49	0.564	125.0

7.4 Spurious Emissions at Antenna Terminals

EUT: HG00593B
 Op Condition: Operated, TX Mode (2402MHz)
 Test Specification: FCC2.1051 & 15.247(d)
 Comment: 3.7VDC

Test Result	
<input checked="" type="checkbox"/>	Passed
<input type="checkbox"/>	Not Passed

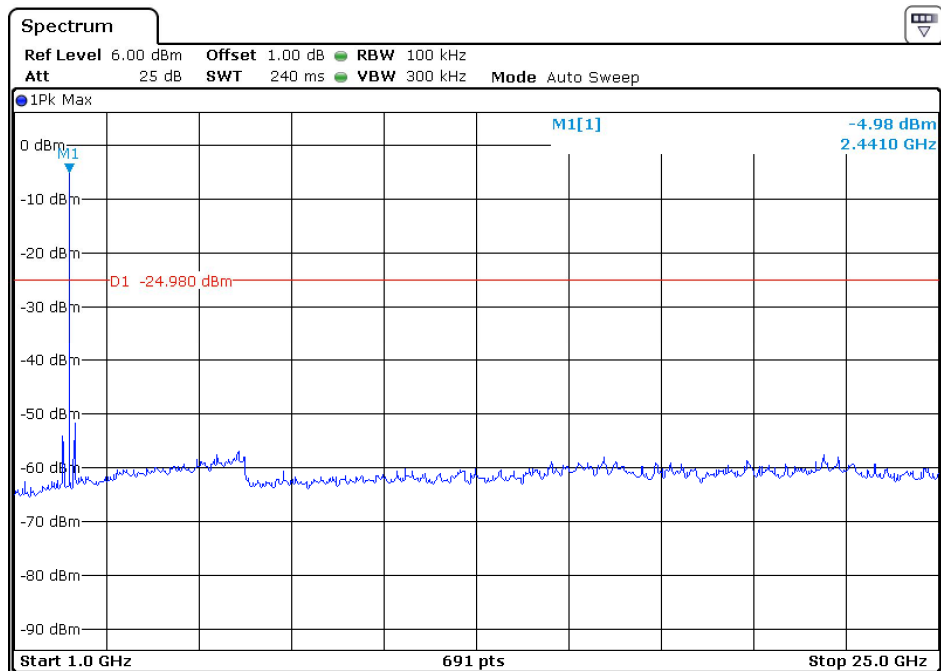
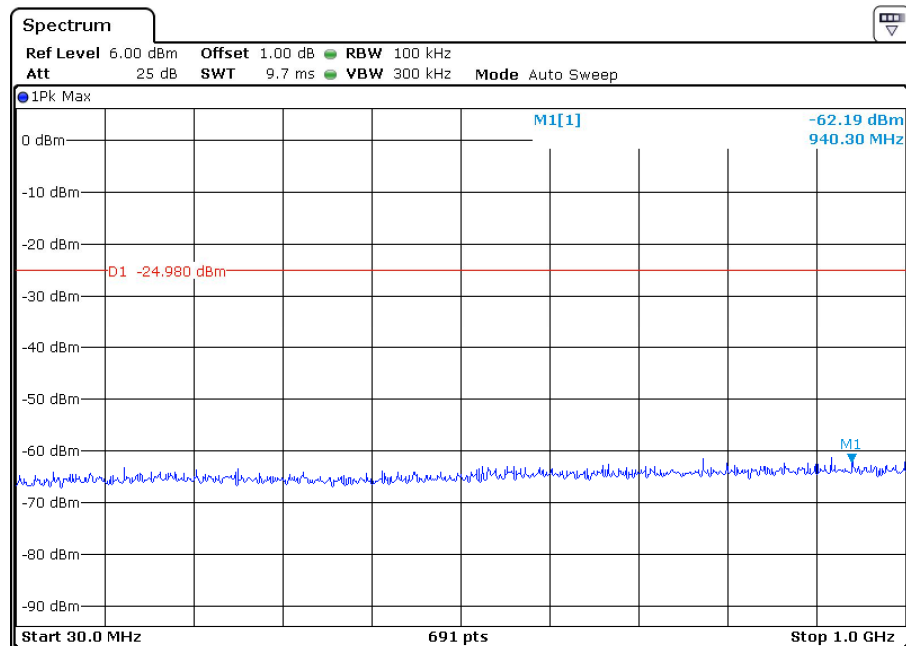


Limit: 20dB below the highest level of the desired power in the passband

Spurious Emissions at Antenna Terminals

EUT: HG00593B
Op Condition: Operated, TX Mode (2441MHz)
Test Specification: FCC2.1051 & 15.247(d)
Comment: 3.7VDC

Test Result
☒ Passed
☐ Not Passed

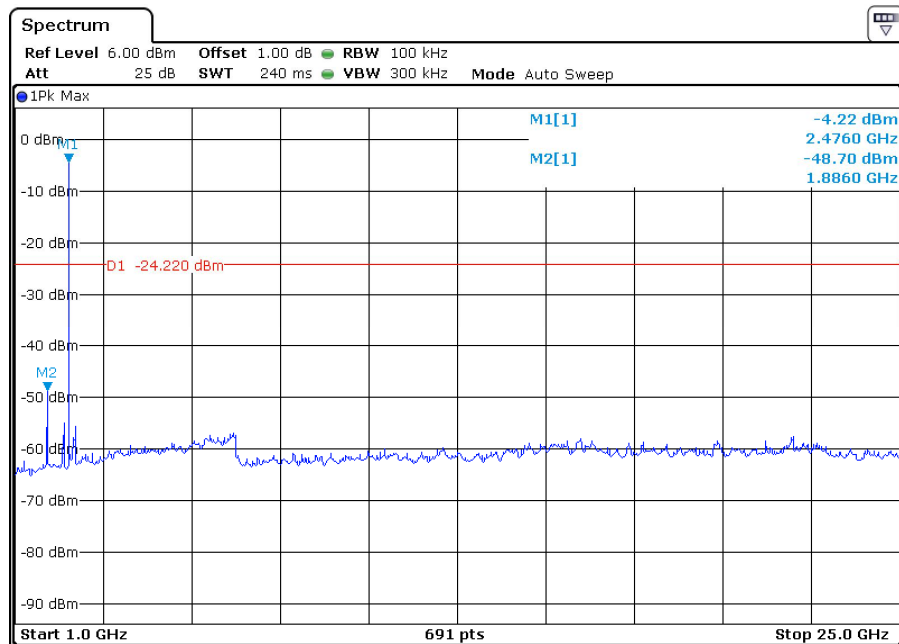
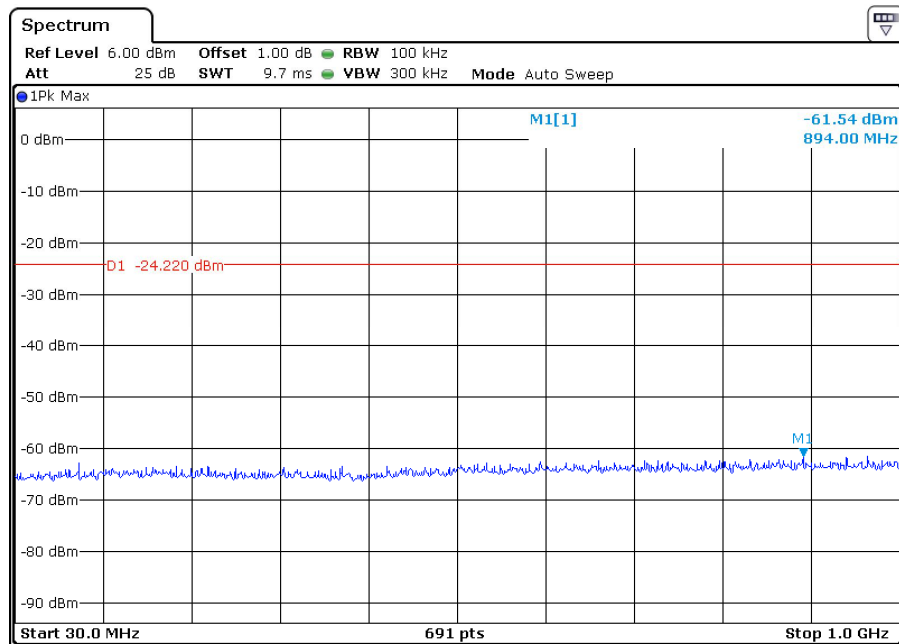


Limit: 20dB below the highest level of the desired power in the passband

Spurious Emissions at Antenna Terminals

EUT: HG00593B
 Op Condition: Operated, TX Mode (2480MHz)
 Test Specification: FCC2.1051 & 15.247(d)
 Comment: 3.7VDC

Test Result	
<input checked="" type="checkbox"/>	Passed
<input type="checkbox"/>	Not Passed

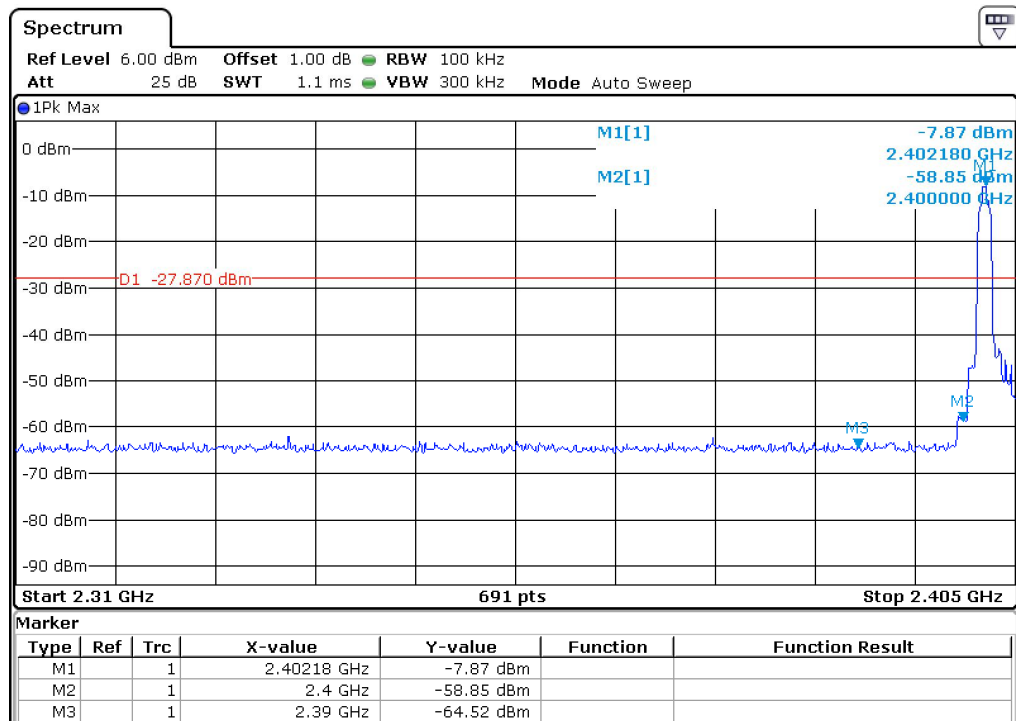


Limit: 20dB below the highest level of the desired power in the passband

7.5 100kHz Bandwidth of band edges

EUT: HG00593B
 Op Condition: Operated, TX Mode (2402MHz)
 Test Specification: FCC15.247(d), Conducted
 Comment: 3.7VDC

Test Result
☒ Passed
☐ Not Passed



Band edges	Limit
50.98 dB	> 20dB

100kHz Bandwidth of band edges

EUT: HG00593B
Op Condition: Operated, TX Mode (2402MHz)
Test Specification: FCC15.247(d), Radiated
Comment: 3.7VDC

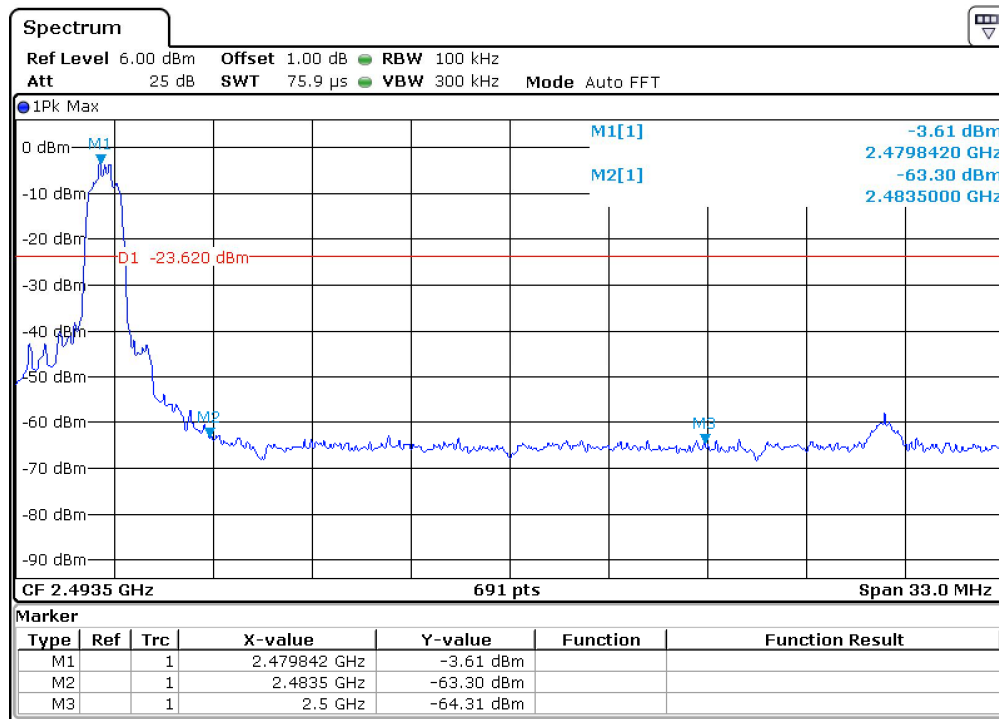
Test Result
<input checked="" type="checkbox"/> Passed
<input type="checkbox"/> Not Passed

Frequency MHz	Result dB μ V/m	Limit dB μ V/m	Margin dB	Detector
2390.000	30.71	74	-43.29	Peak
2390.000	21.05	54	-32.95	Average

100kHz Bandwidth of band edges

EUT: HG00593B
 Op Condition: Operated, TX Mode (2480MHz)
 Test Specification: FCC15.247(d), Conducted
 Comment: 3.7VDC

Test Result
☒ Passed
☐ Not Passed



Band edges	Limit
56.69 dB	> 20dB

100kHz Bandwidth of band edges

EUT: HG00593B
Op Condition: Operated, TX Mode (2480MHz)
Test Specification: FCC15.247(d), Radiated
Comment: 3.7VDC

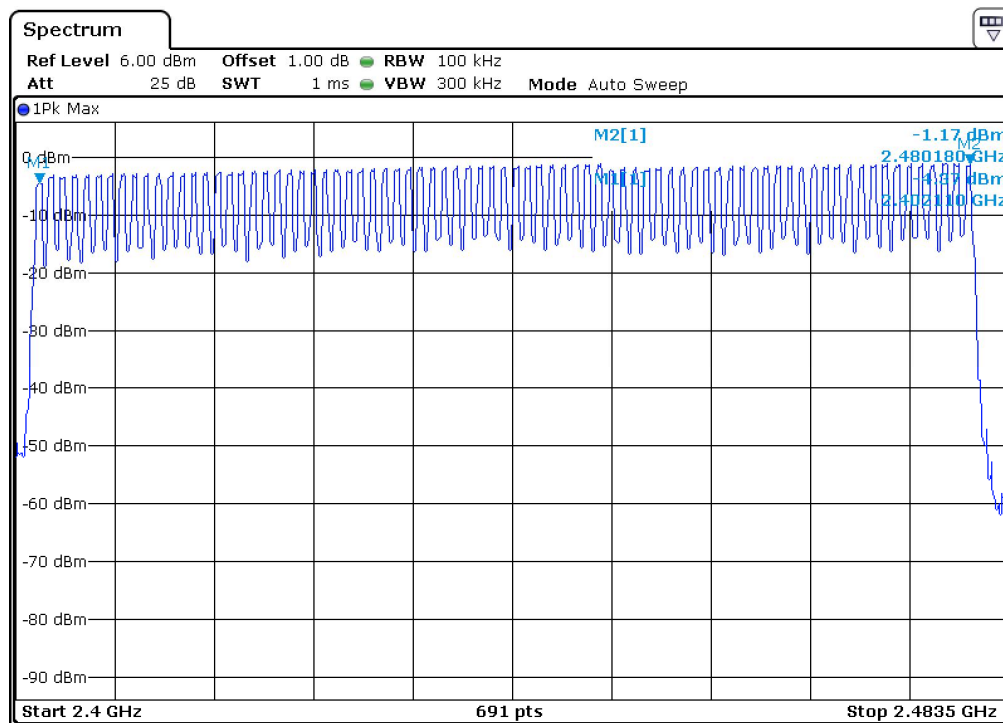
Test Result
<input checked="" type="checkbox"/> Passed
<input type="checkbox"/> Not Passed

Frequency MHz	Result dB μ V/m	Limit dB μ V/m	Margin dB	Detector
2483.500	31.93	74	-42.07	Peak
2483.500	20.64	54	-33.36	Average

7.6 Minimum. Number of Hopping Frequencies

EUT: HG00593B
Op Condition: Operated, TX Mode (2402-2480MHz)
Test Specification: FCC15.247(a)(1)
Comment: 3.7VDC

Test Result
☒ Passed
☐ Not Passed

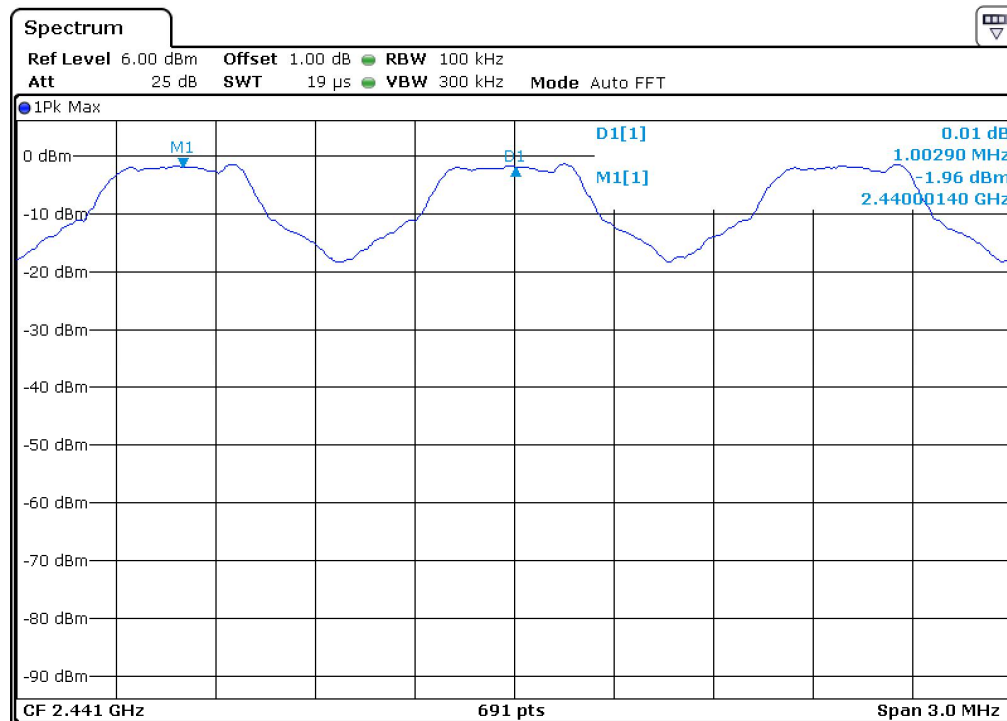


Hopping Channels	Limit
79	≥ 15

7.7 Minimum Hopping Channel Carrier Frequency Separation

EUT: HG00593B
Op Condition: Operated, TX Mode (2402-2480MHz)
Test Specification: FCC15.247(a)(1)
Comment: 3.7VDC

Test Result
☒ Passed
☐ Not Passed



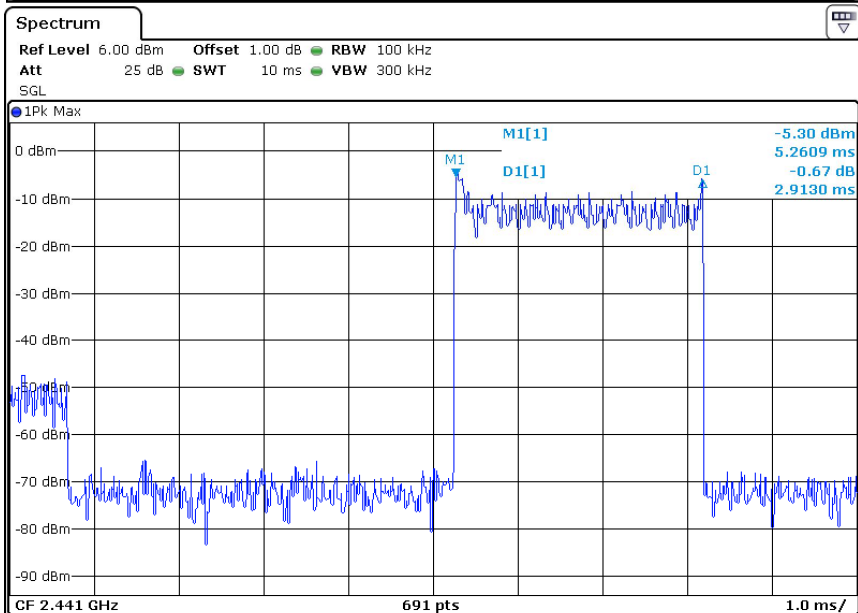
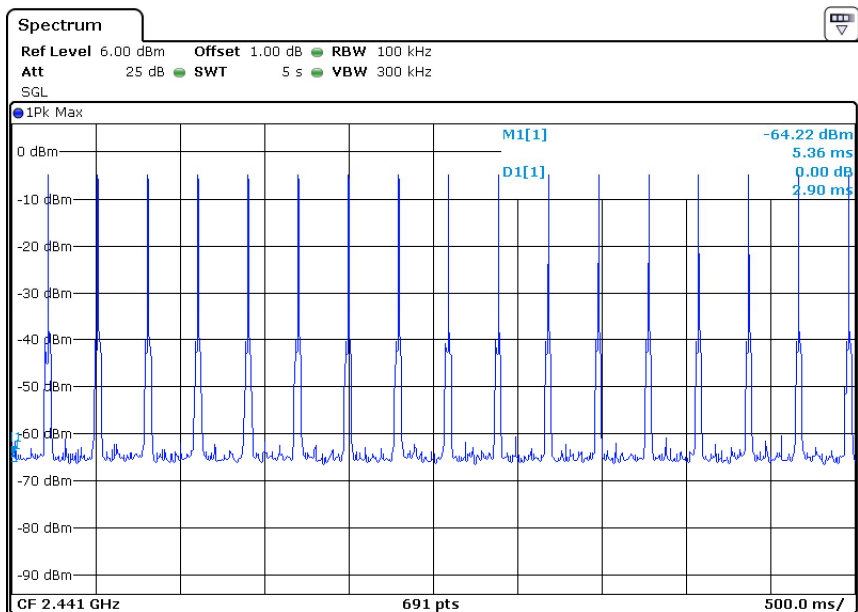
Channel Separation	Limit
1002.90 kHz	850.933 kHz

Limit: 2/3 of 20dB bandwidth of hopping channel

7.8 Average Channel Occupancy Time

EUT: HG00593B
 Op Condition: Operated, TX Mode (2402MHz)
 Test Specification: FCC15.247(a)(1)
 Comment: 3.7VDC

Test Result
☒ Passed
☐ Not Passed



Average time of occupancy	Limit
Number of hops in 5 sec.: 17 Period: $0.4 \times 79 \text{ Ch.} = 31.6 \text{ sec.}$ Total number of hops in 31.6 sec.: $(17/5) \times 31.6 = 108$ Time of single pulse: 2.913 ms Average time of occupancy: $2.913 \text{ ms} \times 108 = 0.3146 \text{ sec.}$	0.4 Seconds

7.9 Antenna Requirement

EUT: HG00593B
Op Condition: Operated, TX Mode
Test Specification: FCC15.203 & 15.247(b)
Comment: 3.7VDC

Test Result	
<input checked="" type="checkbox"/>	Passed
<input type="checkbox"/>	Not Passed

Limit

For intentional device, according to FCC Title 47 Part 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC Title 47 Part 15.247(b), if transmitting antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Antenna Connector Construction

The antenna used in this product is PCB antenna, and the maximum gain of this antenna is 0.0 dBi.

8 Appendix A - Photographs of EUT



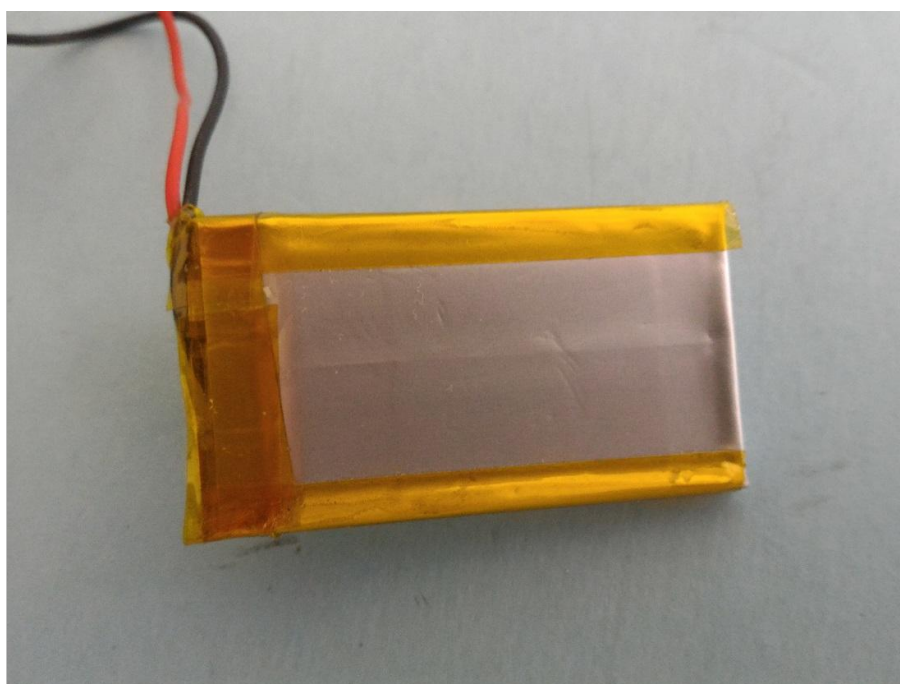
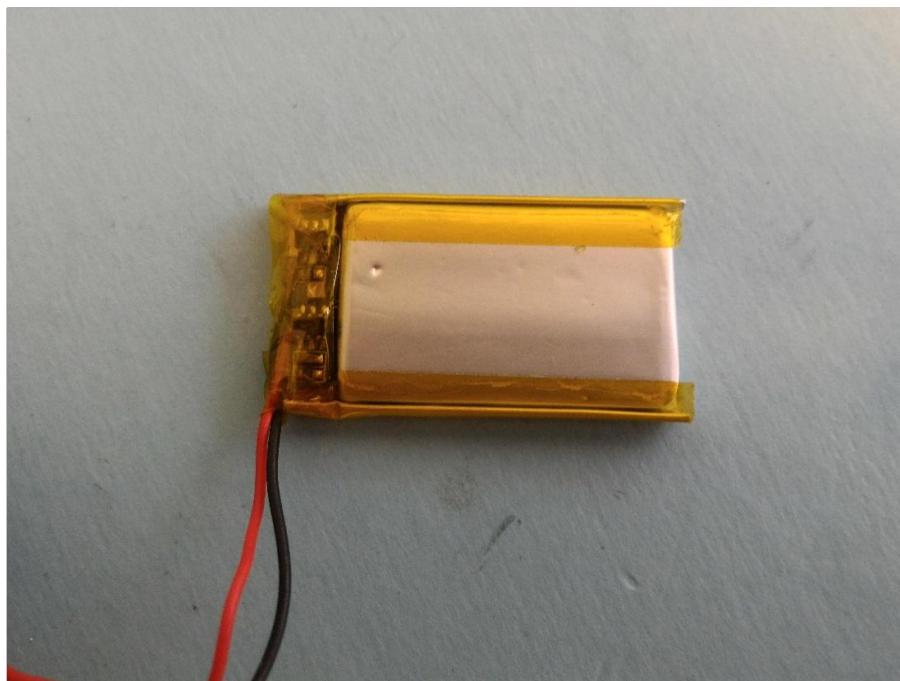
Appendix A



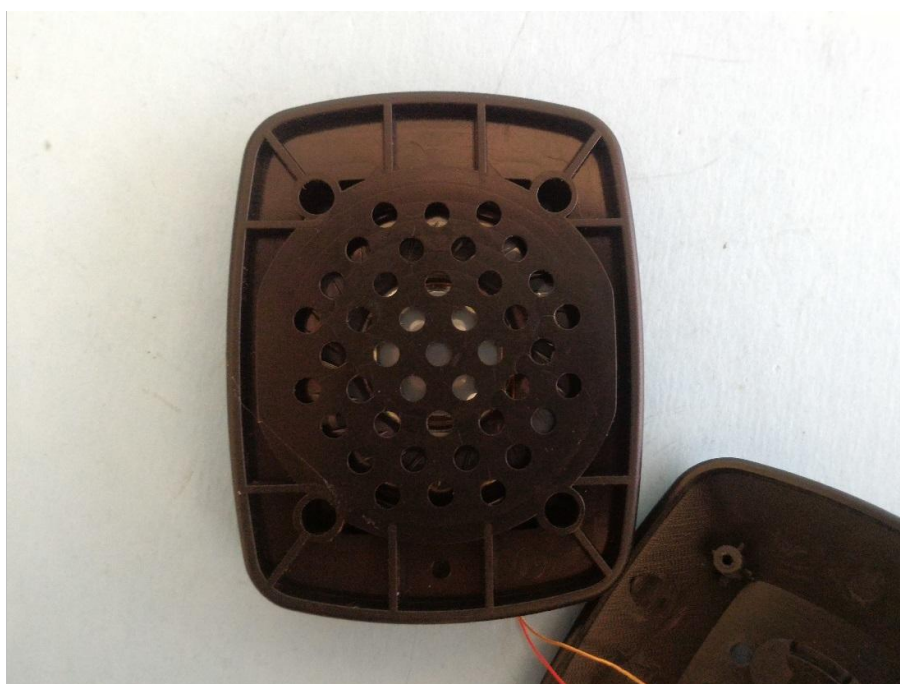
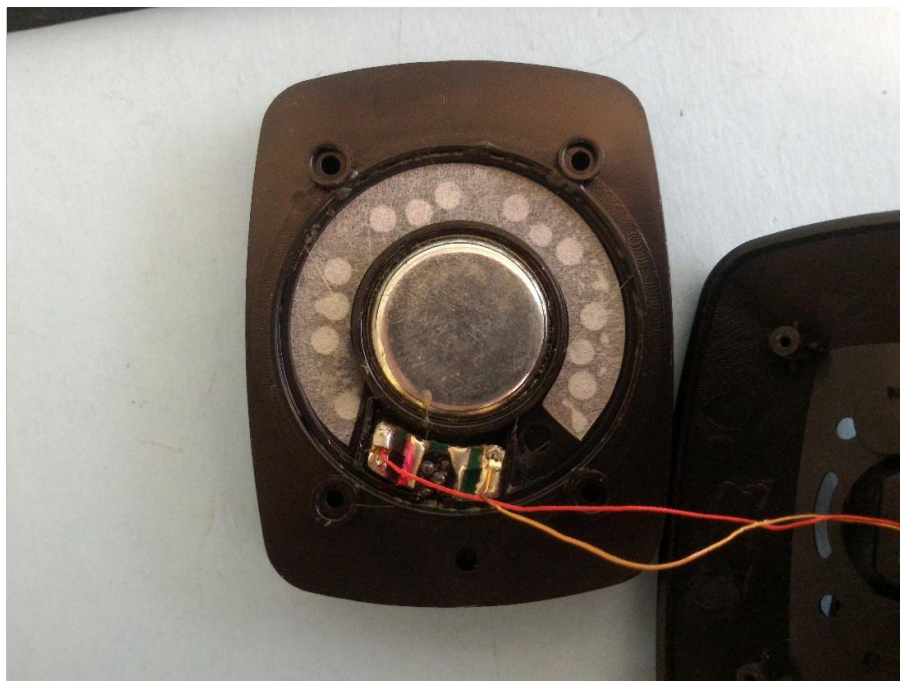
Appendix A



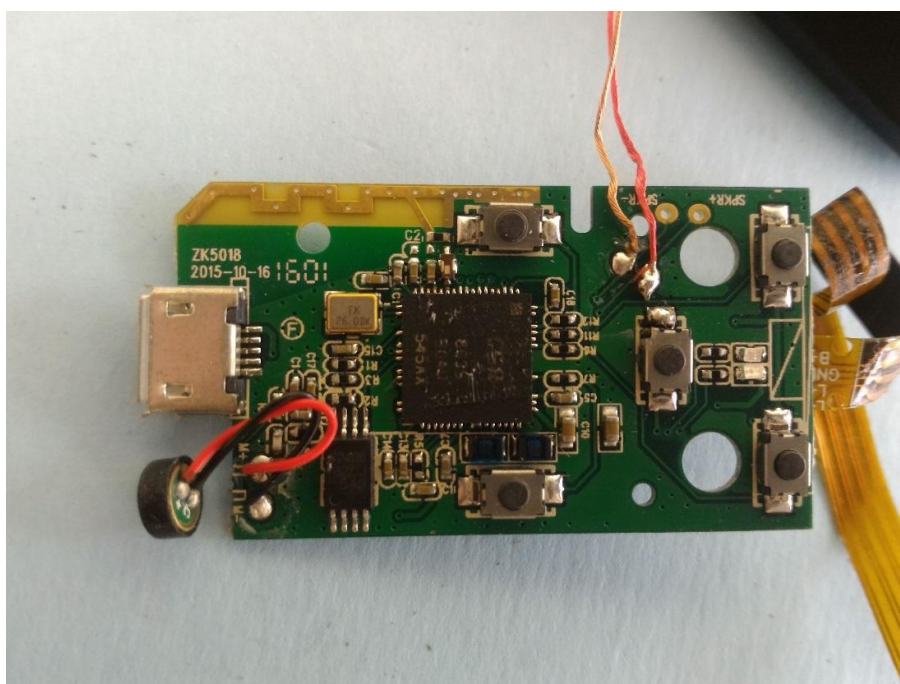
Appendix A



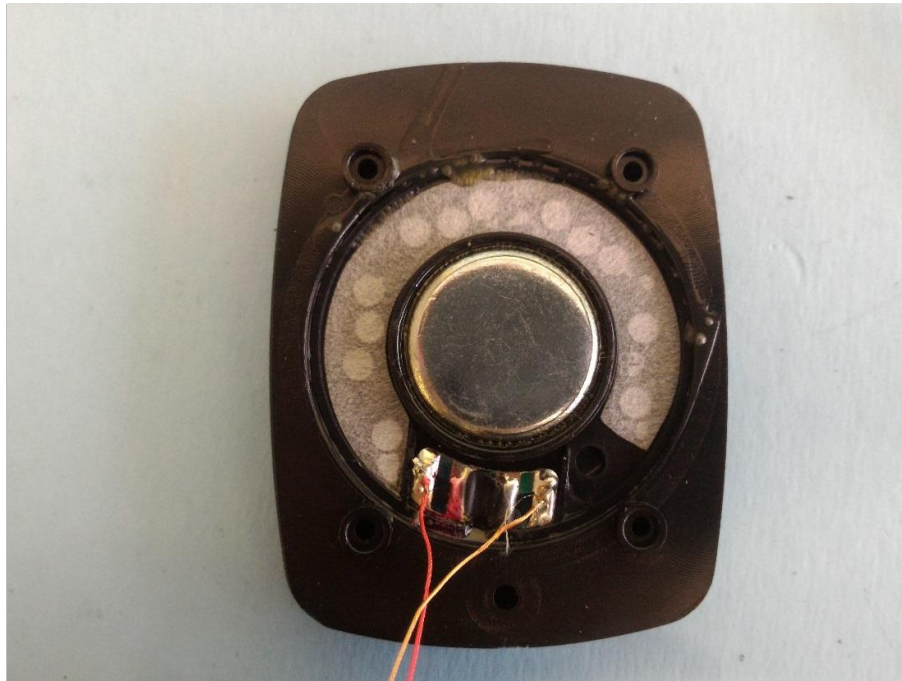
Appendix A



A photograph of a custom green PCB. The board features several labels for its components and connections: GND2, SPKL+, SPKL-, GND3, MOSI, CLK, MISO, CS, PCM, IVB, and GND1. A black ribbon cable is connected to the left side of the board. A small black component is visible on the right side. The board is populated with various electronic components, including resistors and capacitors.



Appendix A

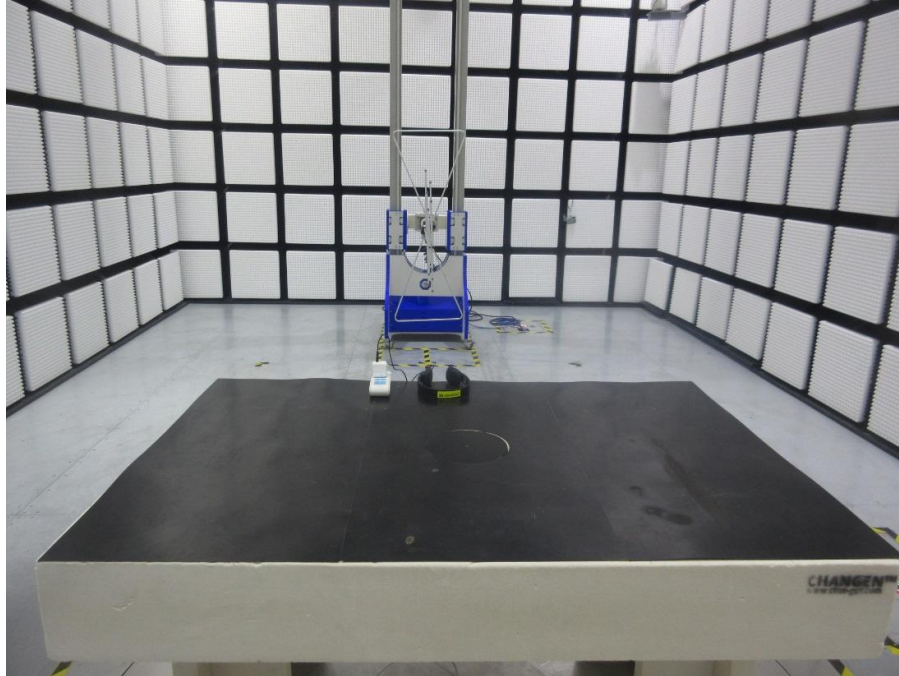


Appendix A

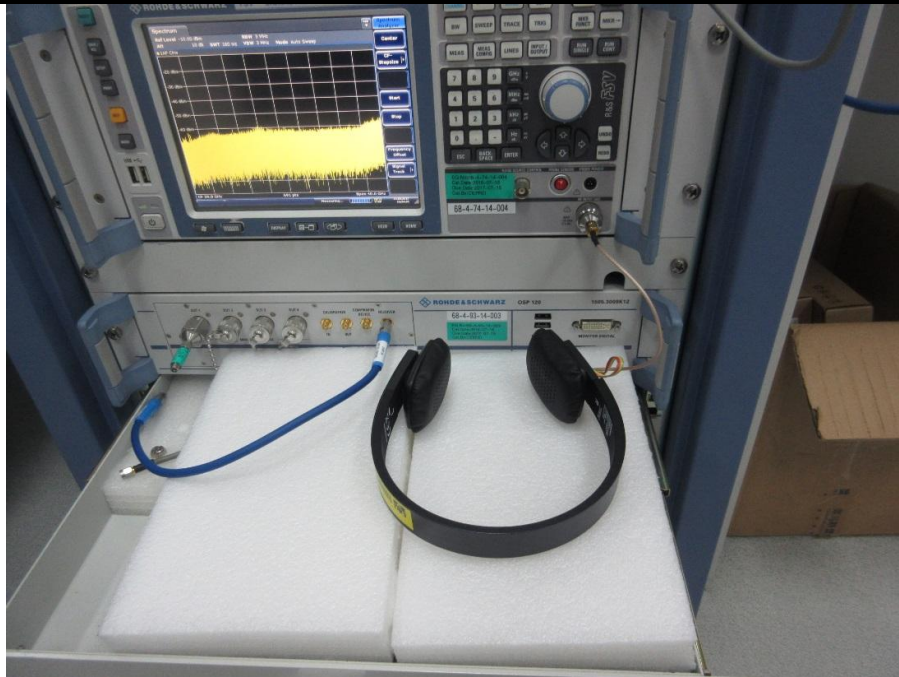


9 Appendix B - Setup Photographs of EUT

Spurious Radiated Emission



20dB & 99% Bandwidth, Peak Output Power,
Spurious Emissions at Antenna Terminals,
100kHz Bandwidth of band edges, Min. No. of Hopping Frequencies,
Min. Hopping Channel Carrier Frequency Separation, Average Time of Occupancy



10 Appendix C - General Product Information

Radiofrequency radiation exposure evaluation

According to KDB 447498 D01v06 section 4.3.1, For frequencies between 100 MHz to 6GHz and test separation distances ≤ 50 mm, the Numeric threshold is determined as

Step a)

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR

>> The fundamental frequency of the EUT is 2402-2480MHz,
the test separation distance is ≤ 50 mm.
(Manufacturer specified the separation distance is: 5mm)

Step a)

>> Numeric threshold (2402MHz), $\text{mW} / 5\text{mm} \cdot \sqrt{2.402\text{GHz}} \leq 3.0$
Numeric threshold (2402MHz) $\leq 9.678\text{mW}$

>> Numeric threshold (2440MHz), $\text{mW} / 5\text{mm} \cdot \sqrt{2.441\text{GHz}} \leq 3.0$
Numeric threshold (2440MHz) $\leq 9.601\text{mW}$

>> Numeric threshold (2480MHz), $\text{mW} / 5\text{mm} \cdot \sqrt{2.480\text{GHz}} \leq 3.0$
Numeric threshold (2480MHz) $\leq 9.525\text{mW}$

>> The power of EUT measured (2402MHz) is: $-6.26\text{dBm} = 0.237\text{mW}$
The power of EUT measured (2440MHz) is: $-3.16\text{dBm} = 0.483\text{mW}$
The power of EUT measured (2480MHz) is: $-2.49\text{dBm} = 0.564\text{mW}$
Which is smaller than the Numeric threshold.
Therefore, the device is exempt from stand-alone SAR test requirements.

Appendix C



LIDL US LLC, 3500 S Clark Street, Arlington, VA 22202

To: TÜV SÜD HKG Ltd.

Attention: **Mr. Edmond Fung**

From: **David Matter**

Fax No:

Date: April 5, 2017

Total Page (Cover Included): 1

Declaration Letter

Subject:

We:

Officially notify TÜV SÜD HKG Ltd. that the <<Additional Model>> have the same technical construction including circuit diagram, PCB Layout, components and component layout, all electrical construction and mechanical construction, with <<PRODUCT>>, <<Main Test Model>>. The difference lies only on different color of the different models.

<<Additional Model >>: HG00593A, HG00593D

<<Main Test Model >>: HG00593B

<<Product>>: Bluetooth Headphone

Applicant:

04/05/2017

(Date)

Matter

Digitally signed by Matter
DN: cn=Matter, o=LIDL, ou=LLC,
email=david.matter@lidl.us, c=US
Date: 2017.04.05 19:23:56 -04'00'

(Applicant's authorized signature and company Chop)