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Report Template Version: V03 Report Template Revision Date: Mar.1st, 2017

Test Report

Report No.: CQASZ20190500399E-02

Applicant: Shenzhen Mengxiang Technology Co., Ltd

Address of Applicant: Floor 3, Building 16, Tongfucun park Dalang Street, Longhua District, Shenzhen

Equipment Under Test (EUT):

EUT Name: Bluetooth Speaker

Model No.: D-36AP-4, D-36AH-4, D-36AC-4, D-36AHW-4, D-36APW-4, D-36AHW-8,

D-36APW-8, DGSB100BLK

Test mode No.: DGSB100BLK

Brand Name: N/A

FCC ID: 2AN3ID-36AHW-4

Standards: 47 CFR Part 15, Subpart C

Date of Receipt: 2019-05-30

Date of Test: 2019-05-30 to 2019-06-25

Date of Issue: 2019-06-26
Test Result: PASS*

Tested By:

(Daisy Qin)

Reviewed By:

(Aaron Ma)

Approved By:

(Jack Ai)



The test report is effective only with both signature and specialized stamp, The result(s) shown in this report refer only to the sample(s) tested. Without written approval of CQA, this report can't be reproduced except in full.

^{*} In the configuration tested, the EUT complied with the standards specified above.



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1 Version

Revision History Of Report

Report No.	Version	Description	Issue Date
CQASZ20190500399E-02	Rev.01	Initial report	2019-06-26



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2 Test Summary

Test Item	Test Requirement	Test method	Result
Antenna Requirement	47 CFR Part 15, Subpart C Section 15.203	ANSI C63.10 (2013)	PASS
AC Power Line Conducted Emission	47 CFR Part 15, Subpart C Section 15.207	ANSI C63.10 (2013)	PASS
Field Strength of the Fundamental Signal	47 CFR Part 15, Subpart C Section 15.249 (a)	ANSI C63.10 (2013)	PASS
Spurious Emissions	47 CFR Part 15, Subpart C Section 15.249 (a)/15.209	ANSI C63.10 (2013)	PASS
Restricted bands around fundamental frequency (Radiated Emission)	47 CFR Part 15, Subpart C Section 15.249(a)/15.205	ANSI C63.10 (2013)	PASS
20dB Occupied Bandwidth	47 CFR Part 15, Subpart C Section 15.215 (c)	ANSI C63.10 (2013)	PASS





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4 General Information

4.1 Client Information

Applicant:	Shenzhen Mengxiang Technology Co., Ltd
Address of Applicant:	Floor 3,Building 16, Tongfucun park Dalang Street,Longhua District,
	Shenzhen
Manufacturer:	Shenzhen Mengxiang Technology Co., Ltd
Address of Manufacturer:	Floor 3,Building 16, Tongfucun park Dalang Street,Longhua District,
	Shenzhen

4.2 General Description of EUT

Product Name:	Bluetooth Speaker			
All Mode No.:	D-36AP-4, D-36AH-4, D-36AC-4, D-36AHW-4, D-36APW-4, D-36AHW-8, D-36APW-8, DGSB100BLK			
Test Mode No.:	DGSB100BLK			
Trade Mark:	N/A			
Hardware Version:	V1.0			
Software Version:	V1.0			
Frequency Range:	905MHz~915MHz			
Modulation Type:	GFSK			
Number of Channels:	15			
Sample Type:				
Test Software of EUT:	RF Test (manufacturer declare)			
Antenna Type:	Internal antenna			
Antenna Gain:	0dBi			
Power Supply:	Adapter:			
	Model No.: CW1402000US			
	Input: 100-240V 50/60Hz Output: DC14V 2000mA			

Note:

All model: D-36AP-4, D-36AH-4, D-36AC-4, D-36AHW-4, D-36APW-4, D-36AHW-8, D-36APW-8,

DGSB100BLK

Only the model DGSB100BLK was tested, since the electrical circuit design, layout, components used and internal wiring were identical for the above models, with difference being color of appearance and model name.



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Operation Frequency each of channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
/	/	4	908MHz	8	912MHz	/	/
1	905MHz	5	909MHz	9	913MHz	/	/
2	906MHz	6	910MHz	10	914MHz	/	/
3	907MHz	7	911MHz	11	915MHz	/	/

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Channel	Frequency
The Lowest channel(CH1)	905MHz
The Middle channel(CH6)	910MHz
The Highest channel(CH11)	915MHz



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4.3 Test Environment and Mode

Operating Environmen	Operating Environment:			
Radiated Emission				
Temperature:	24.7 °C			
Humidity:	54 % RH			
Atmospheric Pressure:	1001mbar			
Conducted Emission				
Temperature:	25.4 °C			
Humidity:	54 % RH			
Atmospheric Pressure:	1001mbar			
Test Mode:	Use test software to set the lowest frequency, the middle frequency and the highest frequency keep transmitting of the EUT.			

4.4 Description of Support Units

The EUT has been tested with associated equipment below.

1) support equipment

Description	Manufacturer	Model No.	Certification	Supplied by
PC	Lenovo	ThinkPad E450c	FCC ID and DOC	CQA
Adapter	Lenovo	ADLX65NLC3A	DOC	CQA

2) cable

Cable No.	Description	Manufacturer	Cable Type/Length	Supplied by
1	AC cable	Lenovo	Unshielded cable for	CQA
			80cm	



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4.5 Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate.

The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities.

The measurement uncertainty was calculated for all measurements listed in this test report acc. to CISPR 16 - 4 "Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements" and is documented in the **Shenzhen Huaxia Testing Technology Co., Ltd** quality system acc. to DIN EN ISO/IEC 17025.

Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for CQA laboratory is reported:

No.	Item	Uncertainty	Notes
1	Radiated Emission (Below 1GHz)	±5.12dB	(1)
2	Radiated Emission (Above 1GHz)	±4.60dB	(1)
3	Conducted Disturbance (0.15~30MHz)	±3.34dB	(1)
4	Radio Frequency	3×10 ⁻⁸	(1)
5	Duty cycle	0.6 %.	(1)
6	Occupied Bandwidth	1.1%	(1)
7	RF conducted power	0.86dB	(1)
8	RF power density	0.74	(1)
9	Conducted Spurious emissions	0.86dB	(1)
10	Temperature test	0.8℃	(1)
11	Humidity test	2.0%	(1)
12	Supply voltages	0.5 %.	(1)
13	time	0.6 %.	(1)
14	Frequency Error	5.5 Hz	(1)

⁽¹⁾This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.



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4.6 Test Location

All tests were performed at:

Shenzhen Huaxia Testing Technology Co., Ltd.,

1F., Block A of Tongsheng Technology Building, Huahui Road, Dalang Street, Longhua District, Shenzhen, China

4.7 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

• CNAS (No. CNAS L5785)

CNAS has accredited Shenzhen Huaxia Testing Technology Co., Ltd. Shenzhen Branch EMC Lab to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

• ISED Registration No.: 22984-1

The 3m Semi-anechoic chamber of Shenzhen Huaxia Testing Technology Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing

• A2LA (Certificate No. 4742.01)

Shenzhen Huaxia Testing Technology Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 4742.01.

• FCC Registration No.: 522263

Shenzhen Huaxia Testing Technology Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No.:522263

4.8 Deviation from Standards

None.

4.9 Abnormalities from Standard Conditions

None.

4.10 Other Information Requested by the Customer

None.



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4.11 Equipment List

Toot Equipment	Manufacturar	Model No	Instrument No.	Calibration Date	Calibration
Test Equipment	Manufacturer	Model No.			Due Date
EMI Test Receiver	R&S	ESR7	CQA-005	2018/9/26	2019/9/25
Spectrum analyzer	R&S	FSU26	CQA-038	2018/10/28	2019/10/27
Preamplifier	MITEQ	AFS4-00010300-18-10P- 4	CQA-035	2018/9/26	2019/9/25
Preamplifier	MITEQ	AMF-6D-02001800-29- 20P	CQA-036	2018/11/2	2019/11/1
Loop antenna	Schwarzbeck	FMZB1516	CQA-087	2018/10/28	2020/10/27
Bilog Antenna	R&S	HL562	CQA-011	2018/9/26	2020/9/25
Horn Antenna	R&S	HF906	CQA-012	2018/9/26	2020/9/25
Horn Antenna	Schwarzbeck	BBHA 9170	CQA-088	2018/9/26	2020/9/25
Coaxial Cable (Above 1GHz)	CQA	N/A	C019	2018/9/26	2019/9/25
Coaxial Cable (Below 1GHz)	CQA	N/A	C020	2018/9/26	2019/9/25
Antenna Connector	CQA	RFC-01	CQA-080	2018/9/26	2019/9/25
RF cable(9KHz~40GHz)	CQA	RF-01	CQA-079	2018/9/26	2019/9/25
Power divider	MIDWEST	PWD-2533-02-SMA-79	CQA-067	2018/9/26	2019/9/25
EMI Test Receiver	R&S	ESPI3	CQA-013	2018/9/26	2019/9/25
LISN	R&S	ENV216	CQA-003	2018/11/5	2019/11/4
Coaxial cable	CQA	N/A	CQA-C009	2018/9/26	2019/9/25

Note:

The temporary antenna connector is soldered on the PCB board in order to perform conducted tests and this temporary antenna connector is listed in the equipment list.



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5 Test results and Measurement Data

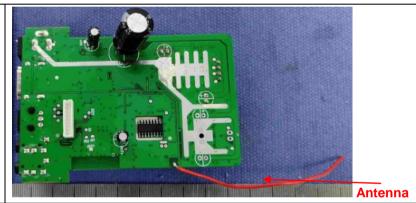
5.1 Antenna Requirement

Standard requirement: 47 CFR Part 15C Section 15.203

15.203 requirement:

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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

EUT Antenna:



The antenna is internal antenna no consideration of replacement. The best case gain of the antenna is 0dBi.



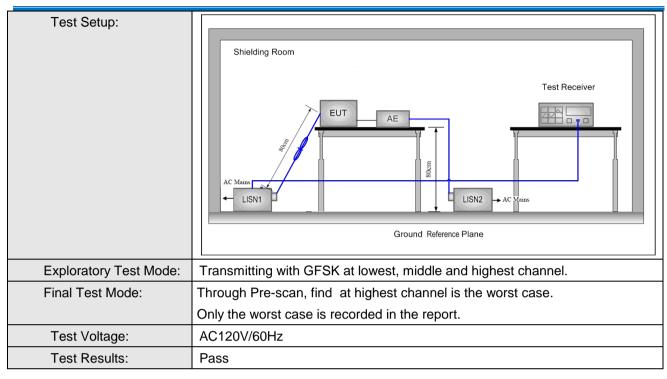
Report No.: CQASZ20190500399E-02

5.2 Conducted Emissions

Test Requirement:	47 CFR Part 15C Section 15.207						
Test Method:	ANSI C63.10: 2013						
Test Frequency Range:	150kHz to 30MHz						
Limit:	Fragues average (MIII-)	Limit (dBuV)					
	Frequency range (MHz)	Quasi-peak	Average				
	0.15-0.5	66 to 56*	56 to 46*				
	0.5-5	56	46				
	5-30	60	50				
	* Decreases with the logarithn	n of the frequency.					
Test Procedure:	 The mains terminal disturbroom. The EUT was connected to Impedance Stabilization Not impedance. The power call connected to a second LIS plane in the same way as a multiple socket outlet strip single LISN provided the reason of the tabletop EUT was placed ground reference plane. An placed on the horizontal ground reference plane. An vertical ground reference preference plane. The LISN unit under test and bonded mounted on top of the ground the EUT and associated experience to the EUT and associated experience plane. The LISN the EUT and associated experience to find the maximum equipment and all of the in ANSI C63.10: 2013 on corrected 	o AC power source throetwork) which provides oles of all other units of the LISN 1 for the unit is was used to connect mating of the LISN was noted upon a non-metallice of for floor-standing arround reference plane, the a vertical ground reference olane was bonded to the 1 was placed 0.8 m from the vertical ground reference und reference plane. The of the LISN 1 and the quipment was at least 0 the terface cables must be the provided to the course of the terface cables must be	bugh a LISN 1 (Line a 50Ω/50μH + 5Ω list the EUT were do not the ground refer peing measured. A multiple power cables not exceeded. The table 0.8m above to trangement, the EUT derence plane. The red reference plane. The horizontal ground om the boundary of the plane for LISNs his distance was EUT. All other units 0.8 m from the LISN we positions of	near ence s to a he was ear he the of			

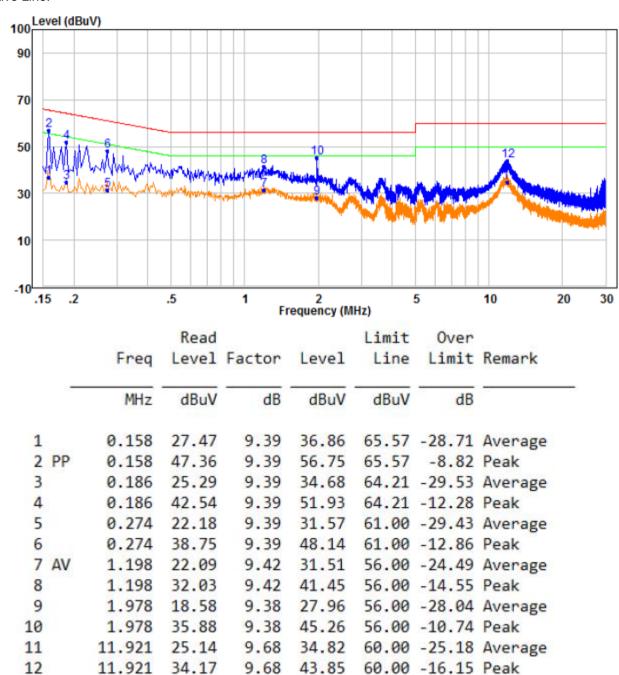


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Measurement Data

Live Line:

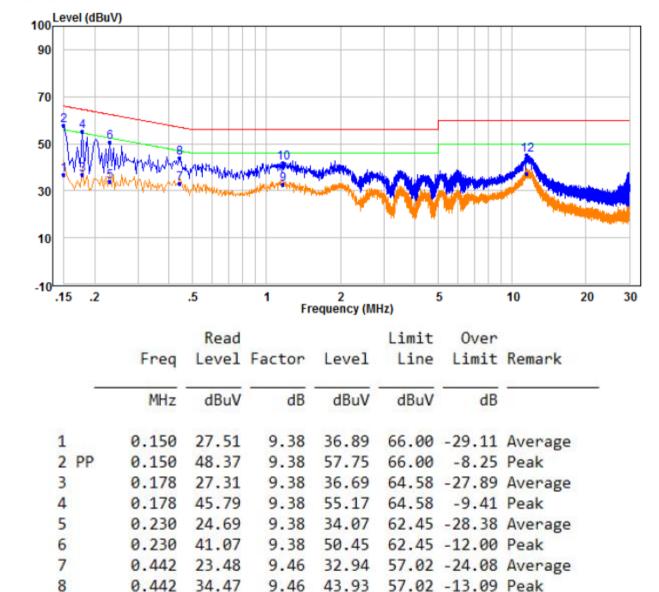


Remark:

- 1. The following Quasi-Peak and Average measurements were performed on the EUT:
- 2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.
- 3. If the Peak value under Average limit, the Average value is not recorded in the report.



Neutral Line:



9.61 32.64 56.00 -23.36 Average

9.76 37.24 60.00 -22.76 Average

60.00 -14.90 Peak

9.61 41.89 56.00 -14.11 Peak

Remark:

9

10

12

11 AV

- 1. The following Quasi-Peak and Average measurements were performed on the EUT:
- 2. Final Test Level = Receiver Reading + LISN Factor + Cable Loss.

27.48

35.34

1.162 23.03

1.162 32.28

11.485

11.485

3. If the Peak value under Average limit, the Average value is not recorded in the report.

9.76 45.10



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5.3 Radiated Spurious Emission

Test Requirement:	47 CFR Part 15C Section 15.249 and 15.209 and 15.205							
Test Method:	ANSI C63.10: 2013							
Test Site:	Measurement Distance: 3m (Semi-Anechoic Chamber)							
Receiver Setup:	Frequency	Detector	RBW	VBW	Remark			
	0.009MHz-0.090MHz	Peak	10kHz	30KHz	Peak			
	0.009MHz-0.090MHz	Average	10kHz	30KHz	Average			
	0.090MHz-0.110MHz	Quasi-peak	10kHz	30KHz Quasi-pea				
	0.110MHz-0.490MHz	Peak	10kHz	30KHz Peak				
	0.110MHz-0.490MHz	Average	10kHz	30KHz	Average			
	0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak			
	30MHz-1GHz	Quasi-peak	100 kHz	300KHz	Quasi-peak			
	Above 1GHz	Peak	1MHz	3MHz	Peak			
	Above 10112	Peak	1MHz	10Hz	Average			
	Note: For fundamental f	frequency, RBW=5 tor is for Average v		MHz, Peak	detector is for	PK		
Limit: (Spurious Emissions and band edge)	Frequency	Field strength (microvolt/meter)	Limit (dBuV/m)	Remark	Measurem distance (
, , , , , , , , , , , , , , , , , , ,	0.009MHz-0.490MHz	2400/F(kHz)	-	-	300			
	0.490MHz-1.705MHz	24000/F(kHz)	-	-	30			
	1.705MHz-30MHz	30	-	-	30			
	30MHz-88MHz	100	40.0	Quasi-pea	k 3			
	88MHz-216MHz	150	43.5	Quasi-pea	k 3			
	216MHz-960MHz	200	46.0	Quasi-pea	k 3			
	960MHz-1GHz	500	54.0	Quasi-pea	k 3			
	Above 1GHz	500	54.0	Average	3			
	Note: 1) 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limi applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.							
	2) Emissions rad	liated outside of the	e specified fred	quency band	s, except for			
	harmonics, shall	be attenuated by a	t least 50 dB b	elow the leve	el of the			
	fundamental or to the general radiated emission limits in Section 15.209,							
	whichever is the I	esser attenuation.						



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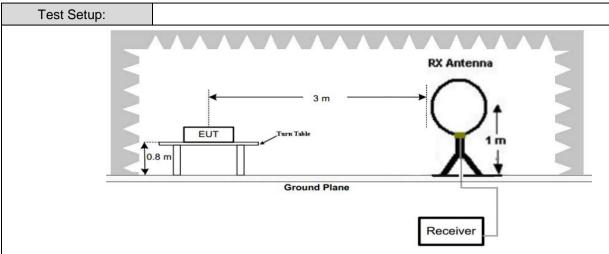
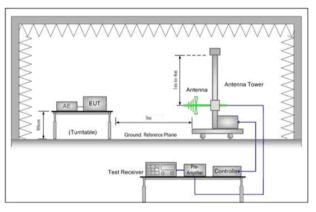


Figure 1. Below 30MHz



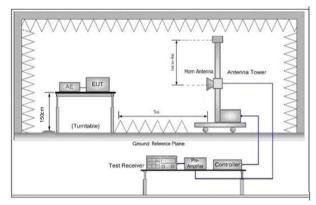


Figure 2. 30MHz to 1GHz

Figure 3. Above 1 GHz

Test Procedure:

- a. 1) Below 1G: The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.
 - 2) Above 1G: The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.

Note: For the radiated emission test above 1GHz:

Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.

- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table



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	 was turned from 0 degrees to 360 degrees to find the maximum reading. e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. g. Test the EUT in the lowest channel,the middle channel,the Highest channel h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode,And found the X axis positioning which it is worse case. i. Repeat above procedures until all frequencies measured was complete.
Instruments Used:	Refer to section 4.11 for details
Exploratory Test Mode:	Transmitting mode
Final Test Mode:	Pretest the EUT at Transmitting mode, For below 1GHz part, through pre-scan, the worst case is the highest channel. Only the worst case is recorded in the report.
Test Voltage:	120V 60Hz
Test Results:	Pass

Remark:

The frequencies(902~928MHz) on which the transmitter part of the EUT is intended to operate shall be excluded from radiated emission measurements when performed in transmit mode of operation



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VERTICAL

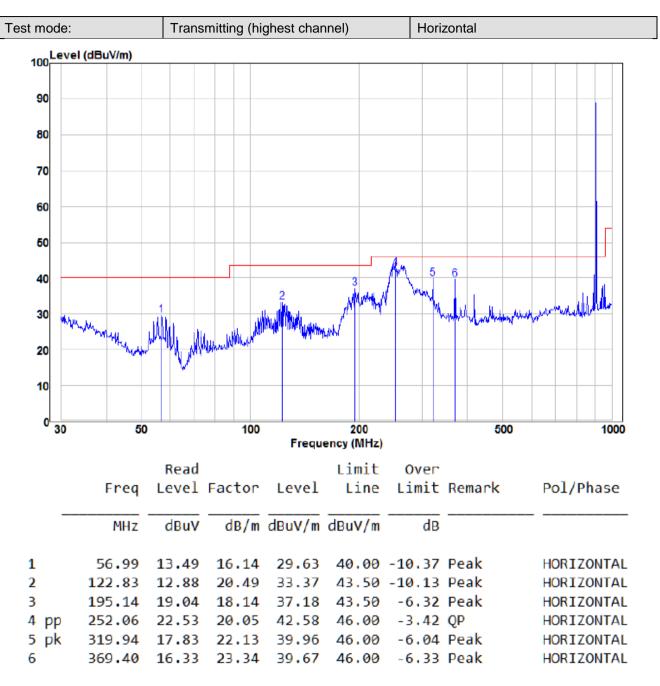
5.3.1 Radiated Emission below 1GHz

	łz									
st mode:		Transr	mitting (hig	hest chan	nnel)	Vert	ical			
100 Level ((dBuV/m)									
100										
90										
80										
70										
60										
50										
40			3		4	5				6
70	1	alat u	1,111	LIME.	M.	/ ^M Mu.			.	
30 MAN	Marin Marin						Mars day	pally from the second	printer printer	MAN
	ANNAS, ANNA	, L. Albert	MAN [, JM,		"	h all haber			
20										
10										
	50		100		200			500		100
0 30				Freque	anay (MHz)					
30		Read		Frequ	ency (MHz) Limit	0ver				
30	Freq	Read Level	Factor	Frequ	Limit	Over Limit	Remark	Р	ol/Ph	ase
30		Level		Level	Limit Line	Limit	Remark	P	ol/Ph	ase
30	Freq MHz			Level	Limit		Remark	P	ol/Ph	ase
1		Level		Level	Limit Line	Limit			POl/Ph	
-	MHZ	Level dBuV	dB/m	Level	Limit Line dBuV/m	Limit dB	Peak	 v		AL
1	MHz 45.38	dBuV 12.73 20.14 19.86	dB/m	Level dBuV/m 34.36	Limit Line dBuV/m 40.00 40.00	-5.64 -4.29	Peak Peak Peak	 v	ERTIC	AL AL
1 2	MHz 45.38 58.41	dBuV 12.73 20.14	dB/m 21.63 15.57	Level dBuV/m 34.36 35.71	Limit Line dBuV/m 40.00 40.00	dB -5.64 -4.29	Peak Peak Peak Peak	 V V V	ERTIC	AL AL AL

833.32 9.83 30.57 40.40 46.00 -5.60 Peak



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Remark:

The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Factor = Antenna Factor + Cable Factor - Preamplifier Factor,

Level = Read Level + Factor,

Over Limit=Level-Limit Line.



5.3.2 Transmitter Emission above 1GHz

Test mode:		Transmitti	ng	Test chann	nel:	Lowest	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector	Ant. Pol.
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Type	H/V
905	56.43	30.39	86.82	114	-27.18	peak	Н
905	48.15	30.39	78.54	94	-15.46	AVG	Н
1810	51.98	-9.84	42.14	74	-31.86	peak	Н
1810	38.53	-9.84	28.69	54	-25.31	AVG	Н
2715	50.08	-8.02	42.06	74	-31.94	peak	Н
2715	36.38	-8.02	28.36	54	-25.64	AVG	Н
905	53.66	30.39	84.05	114	-29.95	peak	V
905	46.11	30.39	76.50	94	-17.50	AVG	V
1810	54.88	-9.84	45.04	74	-28.96	peak	V
1810	38.45	-9.84	28.61	54	-25.39	AVG	V
2715	50.10	-8.02	42.08	74	-31.92	peak	V
2715	37.17	-8.02	29.15	54	-24.85	AVG	V



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Test mode:		Transmitti	ng	Test chann	nel:	Middle	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector	Ant. Pol.
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Type	H/V
910	54.16	30.53	84.69	114	-29.31	peak	Н
910	46.35	30.53	76.88	94	-17.12	AVG	Н
1820	53.10	-9.58	43.52	74	-30.48	peak	Н
1820	37.64	-9.58	28.06	54	-25.94	AVG	Н
2730	49.33	-8.07	41.26	74	-32.74	peak	Н
2730	35.99	-8.07	27.92	54	-26.08	AVG	Н
910	53.22	30.53	83.75	114	-30.25	peak	V
910	45.06	30.53	75.59	94	-18.41	AVG	V
1820	54.03	-9.58	44.45	74	-29.55	peak	V
1820	38.24	-9.58	28.66	54	-25.34	AVG	V
2730	49.41	-8.07	41.34	74	-32.66	peak	V
2730	37.92	-8.07	29.85	54	-24.15	AVG	V



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Test mode:		Transmitti	ng	Test chann	nel:	Highest	
Frequency	Meter Reading	Factor	Emission Level	Limits	Over	Detector	Ant. Pol.
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	Type	H/V
915	58.32	30.67	88.99	114	-25.01	peak	Н
915	49.16	30.67	79.83	94	-14.17	AVG	Н
1830	52.42	-9.33	43.09	74	-30.91	peak	Н
1830	38.90	-9.33	29.57	54	-24.43	AVG	Н
2745	50.53	-8.09	42.44	74	-31.56	peak	Н
2745	36.40	-8.09	28.31	54	-25.69	AVG	Н
915	54.21	30.67	84.88	114	-29.12	peak	V
915	46.13	30.67	76.80	94	-17.20	AVG	V
1830	54.54	-9.33	45.21	74	-28.79	peak	V
1830	38.15	-9.33	28.82	54	-25.18	AVG	V
2745	49.68	-8.09	41.59	74	-32.41	peak	V
2745	37.18	-8.09	29.09	54	-24.91	AVG	V

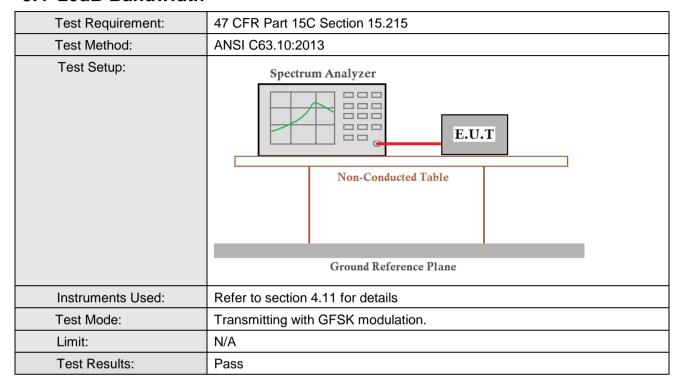
Remark:

- 1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:
 Final Test Level = Receiver Reading + Antenna Factor + Cable Factor Preamplifier Factor
- 2) Scan from 9kHz to 10GHz,The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
- 3) The adjacent to the restricted frequency band (608-614MHz and 960-1240MHz) is far away the fundamental, it is noise only. Please refer to Section 5.3.1 for test data.



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5.4 20dB Bandwidth



Measurement Data

Test channel	20dB bandwidth (MHz)	Results
Lowest	0.279	Pass
Middle	0.279	Pass
Highest	0.279	Pass

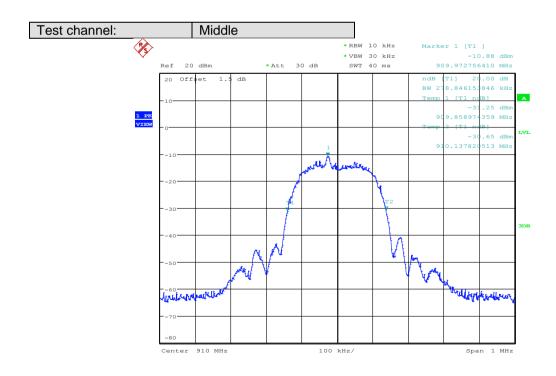


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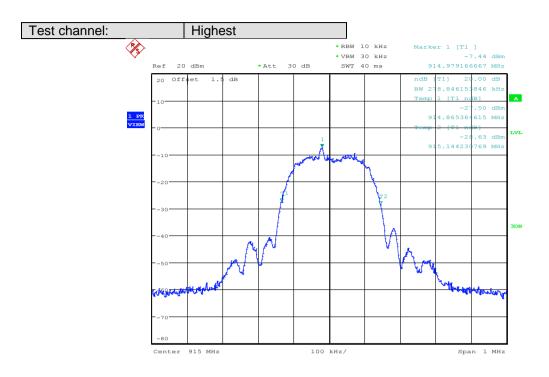
Date: 25.JUN.2019 11:27:06



Date: 25.JUN.2019 11:28:29



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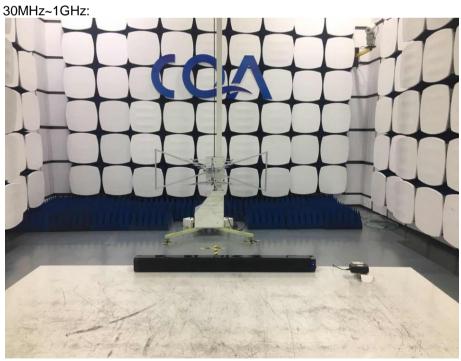
Date: 25.JUN.2019 11:29:44



6 Photographs

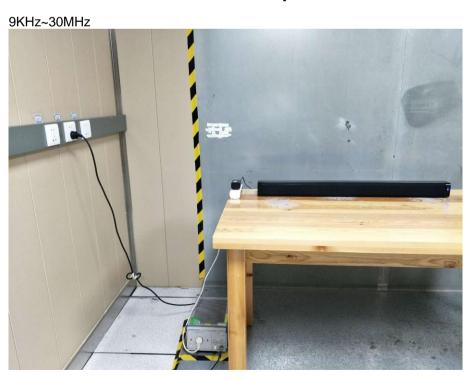
6.1 Radiated Emission Test Setup







6.1 Conducted Emission Test Setup







6.2 EUT Constructional Details

Refer to Photographs - EUT Constructional Details for CQASZ20190600399E-01.

END OF THE REPORT