

EMC - TEST REPORT

Report Number	GST.190806.A101W-E
Model	VT-6133, VT-6211, VT-6244
Product Type	BLUETOOTH SPEAKER
Applicant	V-TAC EXPORTS LIMITED
Address	ROOM NO.301, KAM ON BUILDING 176A QUEENS ROAD CENTRAL, CENTRAL, HONGKONG
Production Facility	V-TAC EXPORTS LIMITED
Address	ROOM NO.301, KAM ON BUILDING 176A QUEENS ROAD CENTRAL, CENTRAL, HONGKONG

Test Result **Positive** **Negative**

Total pages including 32

Appendices

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1 Report Version


Revision	Release Date	History/Memo.
1.0	August 09, 2019	Initial Release

2 General Information

2.1 Notes

The above equipment has been tested by Global-Standard Testing Service Co., Ltd. and found compliance with the requirements set forth in the technical standards mentioned above. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.

This report is the confidential property of the client. As a mutual protection to our clients, the public and ourselves, extracts from the test report shall not be reproduced except in full without our written approval.

Tested By: 

Evan Chen

Date: August 06, 2019

Approved By:



Date: August 09, 2019

2.2 Testing Laboratory

Test Laboratory:

Site 1

Global-Standard Testing Service Co., Ltd.

Address: Room 1505, Building B, Chuangxin Plaza, Pingshan Avenue,
Pingshan District, Shenzhen, P. R. China,

Phone: +86-755-3386 3620

Fax: +86-755-3386 3718

2.3 Details of Applicant

Client: V-TAC EXPORTS LIMITED

Address: ROOM NO.301, KAM ON BUILDING 176A QUEENS ROAD
CENTRAL, CENTRAL, HONGKONG

Model No.: VT-6133, VT-6211, VT-6244

Product description: BLUETOOTH SPEAKER

2.4 Application Details

Date of receipt of order: August 05, 2019

Date of receipt of test item: August 06, 2019

Date of test: August 06, 2019-August 09, 2019

2.5 Applied Standard

EN 55032:2015

EN 55035:2017

ETSI EN 301 489-1 V2.2.0 (2017-03)

ETSI EN 301 489-17 V3.2.0 (2017-03)

2.6 Test Summary

Test Items	Test Mode	Performance Class & Required Performance Criteria	Result	Site
<u>Radiated Emissions</u> Enclosure Port	TM1&TM2	CLASS B	Pass	Site 1
<u>Concted Emissions</u> <input type="checkbox"/> DC Power Port <input type="checkbox"/> AC Power Port <input type="checkbox"/> Telecommunication Ports	N/A	N/A	N/A	
<u>Cuirent harmonics emissions</u> AC Power Port	N/A	N/A	N/A	
<u>Voltage fluctuations and flickers</u> AC Power Port	N/A	N/A	N/A	
<u>Immunity To Radiated Electromagnetic Fields</u> Enclosure Port	TM1&TM2	CT/CR	Pass	Site1
<u>Immunity To Electrostatic Discharge</u> Enclosure Port	TM1&TM2	TT/TR	Pass	Site 1
<u>Immunity To electrical Fast Transient Bursts</u> <input type="checkbox"/> AC Power Port <input type="checkbox"/> DC Power Port <input type="checkbox"/> Telecommunication Ports	N/A	N/A	N/A	
<u>Immunity To Surges</u> <input type="checkbox"/> AC Power Port <input type="checkbox"/> DC Power Port <input type="checkbox"/> Telecommunication Ports	N/A	N/A	N/A	
<u>Immunity To Continuous Conducted Interference</u> <input type="checkbox"/> AC Power Port <input type="checkbox"/> DC Power Port <input type="checkbox"/> Telecommunication Ports	N/A	N/A	N/A	
<u>Immunity To Voltage dips and Short Interruption</u> <input type="checkbox"/> AC Power Port	N/A	N/A	N/A	

2.7 Performance Criteria

EN301 489-1 performance criteria	
Criteria	Performance Criteria
CT/CR	During and after the test, the apparatus shall continue to operate as intended. No degradation of performance or loss of function is allowed below a permissible performance level specified by the manufacturer when the apparatus is used as intended.
TT/TR	After the test, the apparatus shall continue to operate as intended. No degradation of performance or loss of function is allowed below a permissible performance level specified by the manufacturer, when the apparatus is used as intended.

EN55024 performance criteria		
Criteria	Criteria During test	After test
A	Shall operate as intended. May show degradation of performance(see note 1).Shall be no loss of function.Shall be no unintentional transmissions.	Shall operate as intended. Shall be no degradation of performance (see note 2).Shall be no loss of function.Shall be no loss of stored data or user programmable functions.
B	May show loss of function (one or more). May show degradation of performance (see note 1). No unintentional transmissions.	Functions shall be self-recoverable. Shall operate as intended after recovering. Shall be no degradation of performance (see note 2). Shall be no loss of stored data or user programmable functions.
C	May be loss of function (one or more).	Functions shall be recoverable by the operator.Shall be no degradation of


NOTE 1: Degradation of performance during the test is understood as a degradation to a level not below a minimum performance level specified by the manufacturer for the use of the apparatus as intended. In some cases the specified minimum performance level may be replaced by a permissible degradation of performance. If the minimum performance level or the permissible performance degradation is not specified by the manufacturer then either of these may be derived from the product description and documentation (including leaflets and advertising) and what the user may reasonably expect from the apparatus if used as intended.

NOTE 2: no degradation of performance after the test is understood as any degradation below a minimum performance level specified by the manufacturer for the use of the apparatus as intended. In some cases the specified minimum performance level may be replaced by a permissible degradation of performance. After the test no change of actual operating data or user retrievable data is allowed. If the minimum performance level or the permissible performance degradation is not specified by the manufacturer then either of these may be derived from the product description and documentation (including leaflets and advertising) and what the user may reasonably expect from the apparatus if used as intended.

3 EUT Information

3.1 EUT Description

VT-6211 is a BLUETOOTH SPEAKER with Bluetooth 3.0.
The TX and RX range is 2402MHz-2480MHz.

Description	
Product Name	BLUETOOTH SPEAKER
Product Model	VT-6211
Brand name	
Input Rated Voltage:	DC5.0V, 3.5A
Work Frequency	Transmitting Frequency: 2402-2480MHz Receiving Frequency: 2402-2480MHz
Maximum RF	1.7dBm

3.2 EUT Appearance



Appearance

4 System Configuration during EMC Test

4.1 Test Configurations

The applicant has verified the construction and function in typical operation. All the test modes were carried out with the EUT in normal operation, which was in this test report and defined as:

Test Mode	
TC1	TM1
TC2	TM2
TC3	TM3

4.2 Test Mode

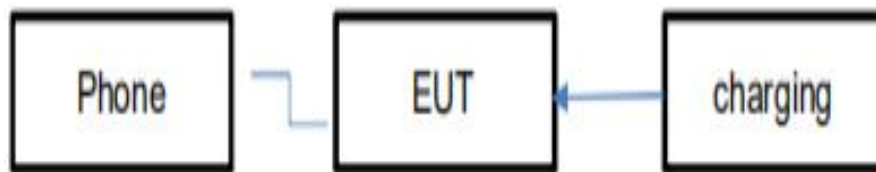
TM1: Charging and BT connect

TM2: Charging and USB

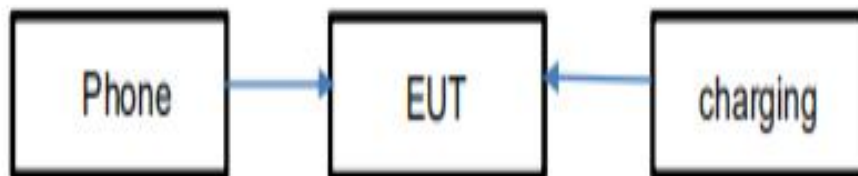
TM3: Charging and AUX IN

4.3 Configurations of Test System

TC1: BT link playing and charging



TC2/3: USB in playing and charging/AUX in playing and charging



4.4 Associated Equipment Used during Test

Name	Model	Manufacturer	S/N	Cal Due Date
iPod	---	Apple	---	---
Adapter1	A1357	Apple	---	---
Adapter2	KSA29B0500 210HE	Ktec	---	---
Adapter3	RD1201500- C55-81OG	RUIDE		
USB Cable 1 (with Shield)	---	---	---	---
USB Cable 2 (with Shield and a ferrite core)	---	---	---	---

Remark: Associated assist equipment is not sell within EUT packet.

5 Electromagnetic Interference (EMI)

5.1 Radiated Disturbance 30MHz to 6000MHz

5.1.1 Test Procedure

The test site semi-anechoic chamber has met the requirement of NSA tolerance 4dB according to the standards: ANSI C63.4. The test distance was 3m for 30 ~ 1GHz. The test site full-anechoic chamber has met the requirement of VSWR tolerance 6dB according to the standards: CISPR 16-1-4. The test distance was 3m for 1GHz ~ 6GHz. The set-up and test methods were according to EN 55032/CISPR 32A preliminary scan and a final scan of the emissions were made from 30 MHz to 1GHz by using test script of software; the emissions were measured using Quasi-Peak Detector (30MHz~1GHz) and AV/PK Detector (above 1GHz). The maximal emission value was acquired by adjusting the antenna height, polarization and turntable azimuth in accordance with the software setup. Normally, the height range of antenna was 1m to 4m, the azimuth range of turntable was 0° to 360°, The receive antenna has two polarizations V and H.

5.1.2 Test Setup

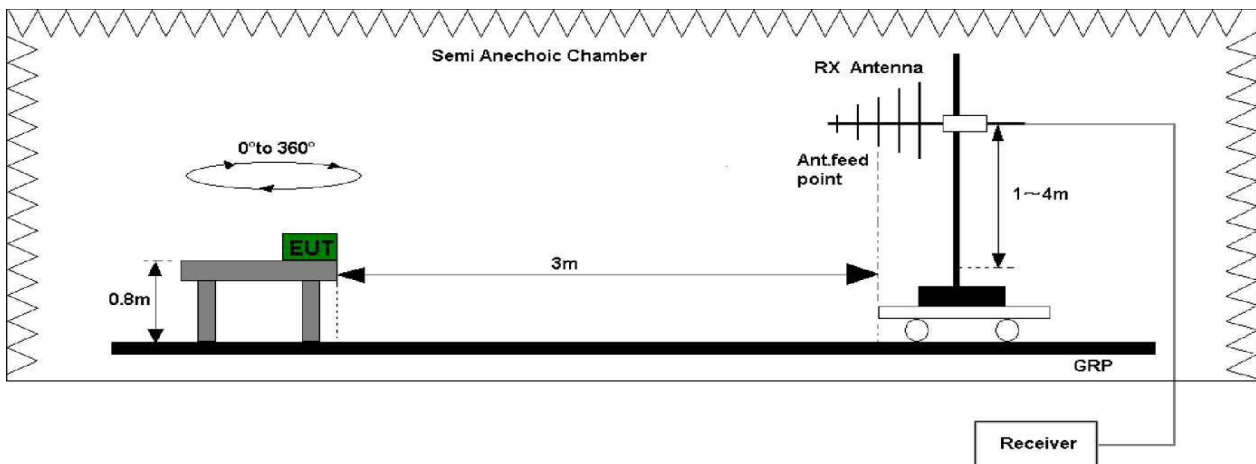


Figure 1. Test set-up of radiated disturbance(30MHz-1GHz)

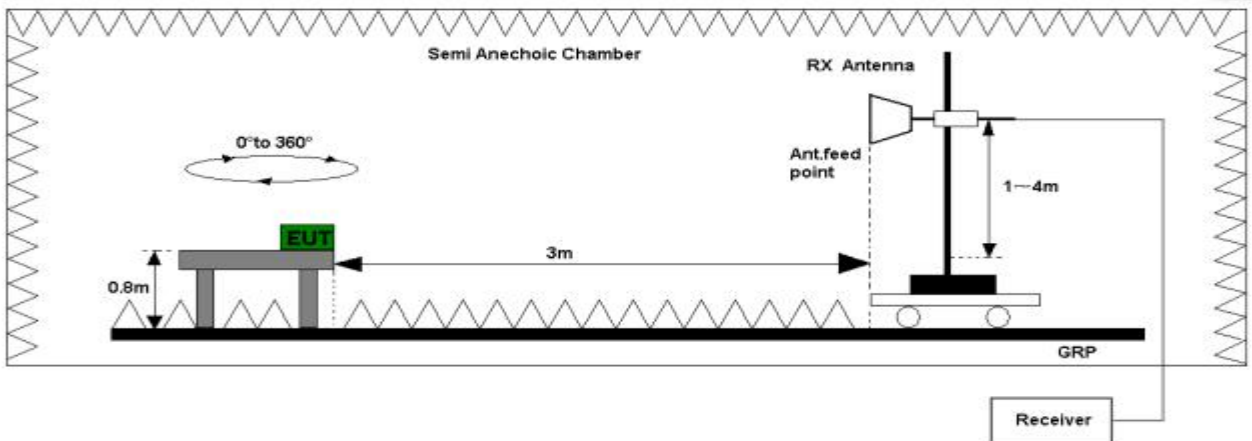


Figure 2. Test set-up of radiated disturbance(above 1GHz)

5.1.3 Test Results

The EUT has met the requirements for Radiated Emission of enclosure port.
The test data see section 9.1 of this report.

Test Limits			
Frequency (MHz)	Distance (m)	QP (dBuV/m)	
30 - 230	3	40	
230 - 1000	3	47	
Frequency (MHz)	Distance	Average (dBuV/m)	Peak (dBuV/m)
1-3	3	50	70
3-6	3	54	74

Test environment condition:

Performed Item	Item	Required	Actual
Radiated Emission	Ambient temperature	15°C~35°C	23.6°C
	Relative humidity	25% ~75%	53.4%
	Atmospheric pressure	86 kPa ~ 106kPa	101.5kPa

Associated Equipment : Adapter2 & Adapter1

6 Electromagnetic Susceptibility (EMS)

6.1 Immunity to Electrostatic Discharge

6.1.1 Test Procedure

The EUT was configured as described in section 4 for this test. The set-up and test methods were according to IEC 61000-4-2.

6.1.2 Test Set up

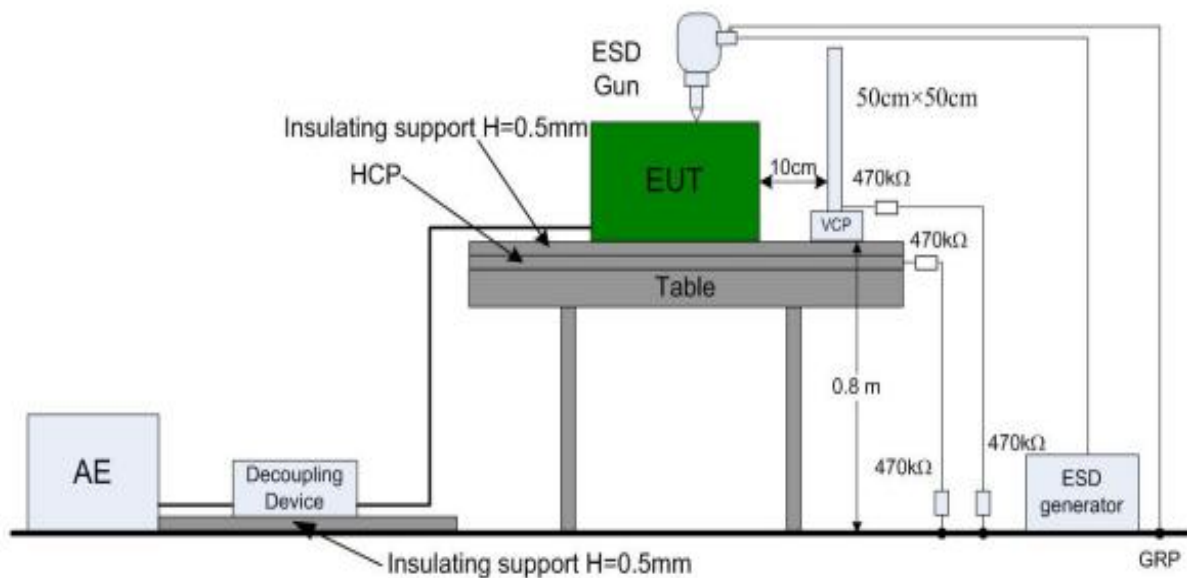


Figure 3. Test set-up of electrostatic discharge

6.1.3 Test Results

Details of the points tested were presented in below:

Test Results					
Test Points	Specification Level				Conclusion
	±2kV,±4kV Contact		±2kV,±4kV, ±8kV Air Discharges		
	Positive	Negative	Positive	Negative	
Indirect Contact					
Indirect Contact, HCP(left, right, front, rear)	√	√	N/A	N/A	Pass
Indirect Contact, VCP(left, right, front, rear)	√	√	N/A	N/A	Pass
Direct Contact/Air Contact					
Direct Air Discharge	N/A	N/A	√	√	Pass
Direct Contact Discharge	√	√	N/A	N/A	Pass

√The EUT's performance was not impaired at this test point when the ESD pulse was applied.

Test environment condition:

Performed Item	Item	Required	Actual
Immunity to Electrostatic Discharge	Ambient temperature	15°C~35°C	23.7°C
	Relative humidity	30% ~ 60%	52.7%
	Atmospheric pressure	86 kPa ~ 106kPa	101.9kPa

Associated Equipment: Adapter3

6.2 Immunity to Radiated Electric Fields 80MHz to 6000MHz

6.2.1 Test Procedure

The EUT was configured as described in section 4 for this test. The set-up and test methods were according to IEC 61000-4-3. All sides of the EUT (front, rear, left and right) were tested by antenna with vertical and horizontal polarization.

6.2.2 Test Setup

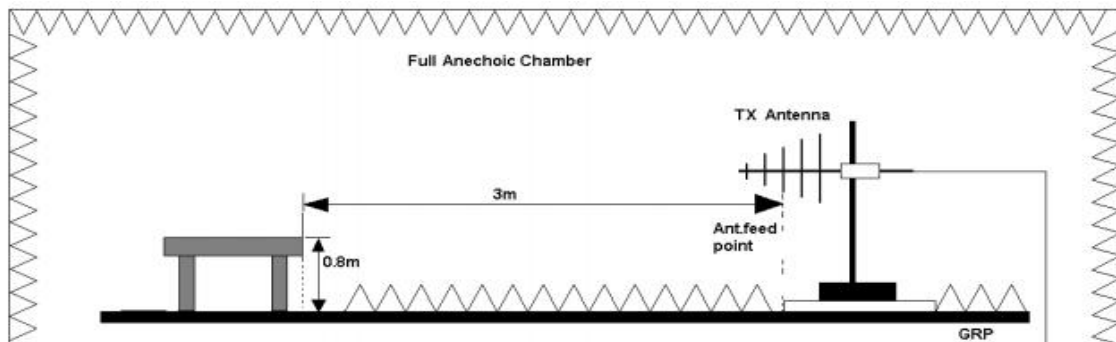


Figure 4. Test set-up of Immunity to Radiated Electric Fields

6.2.3 Test Results

Test Results of Radiated Electric Fields	
Test side of EUT	Front, Rear, Leh, Right
Criterion	CT&CR
Frequency range & Test Level	80MHz-6000MHz test level: 3 V/m(Unmodulated, rms)
Modulation	80% AM, 1kHz
Conclusion	Pass

Test environment condition:

Performed Item	Item	Required	Actual
Immunity to Radiated Electric Fields	Ambient temperature	15°C~35°C	23.1 °C
	Relative humidity	25% ~ 75%	50.7%
	Atmospheric pressure	86 kPa~106kPa	101.3kPa

Associated Equipment: Adapter2

7 Main Test Instruments

Description	Manufacturer	Model	Serial Number	Cal Date	Due Date
Spectrum Analyzer	Rohde & Schwarz	FSP	836079/035	2019-04-30	2020-04-29
EMI Test Receiver	Rohde & Schwarz	ESVB	825471/005	2019-04-30	2020-04-29
Amplifier	Agilent	8447F	3113A06717	2019-04-30	2020-04-29
Amplifier	C&D	PAP-1G18	2002	2019-04-30	2020-04-29
Broadband Antenna	Schwarz beck	VULB9163	9163-333	2019-05-05	2021-05-04
Horn Antenna	ETS	3117	00086197	2019-05-05	2021-05-04
Loop Antenna	Schwarz beck	FMZB 1516	9773	2019-05-05	2021-05-04
EMI Test Receiver	Rohde & Schwarz	ESPI	101611	2019-04-30	2020-04-29
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100911	2019-04-30	2020-04-29
AC LISN	Schwarz beck	NSLK8126	8126-224	2019-04-30	2020-04-29
DC LISN	Schwarz beck	NNBM8126D	279	2019-04-30	2020-04-29
8-WIRE LISN	Schwarz beck	8158	CAT3-8158-005 9	2019-04-30	2020-04-29
8-WIRE LISN	Schwarz beck	8158	CAT5-8158-011 7	2019-04-30	2020-04-29
Digital Power Analyzer	California Instrument	PACS-1	72831	2019-04-30	2020-04-29
Power Source	California Instrument	5001iX	25965	2019-04-30	2020-04-29
ESD Generator	LIOGCEL	ESD-203B	0170901	2019-05-05	2020-05-04
Signal Generator	Rohde & Schwarz	SMT03	100059	2019-04-30	2020-04-29
Voltage Probe	Rohde & Schwarz	URV5-Z2	100013	2019-04-30	2020-04-29
Power Amplifier	AR	150W1000	300999	2019-04-30	2020-04-29
Power Amplifier	AR	25S1G4AM1	305993	2019-04-30	2020-04-29
Transient 2000	EMC PARTNER	TRA2000	863	2019-05-21	2021-05-20
CS Immunity Tester	SCHAFFNER	NSG2070	1123	2019-04-30	2020-04-29
CDN	Luthi	CDNL-801	2655	2019-04-30	2020-04-29
Attenuator	EMCI	MA-5100/6BF 2	1009	2019-04-30	2020-04-29
EMC PRO	KEYTEK	EMCPro	0509124	2019-04-30	2020-04-29
Coil	KEYTEK	F-1000-4-8	0533	2019-04-30	2020-04-29
Anechoic chamber	Albatross Projects	MCDC	----	2019-04-30	2020-04-29
CS Generator	MARCONI	2024	112260/042	2019-04-30	2020-04-29
Attenuator	FRANKONIA	75-A-FFN-06	1001698	2019-04-30	2020-04-29
CDN	FRANKONIA	CDN M2+M3	A3027019	2019-04-30	2020-04-29

8 System Measurement Uncertainty

For a 95% confidence level, the measurement expanded uncertainties for defined systems, in accordance with the recommendations of ISO 17025 were:

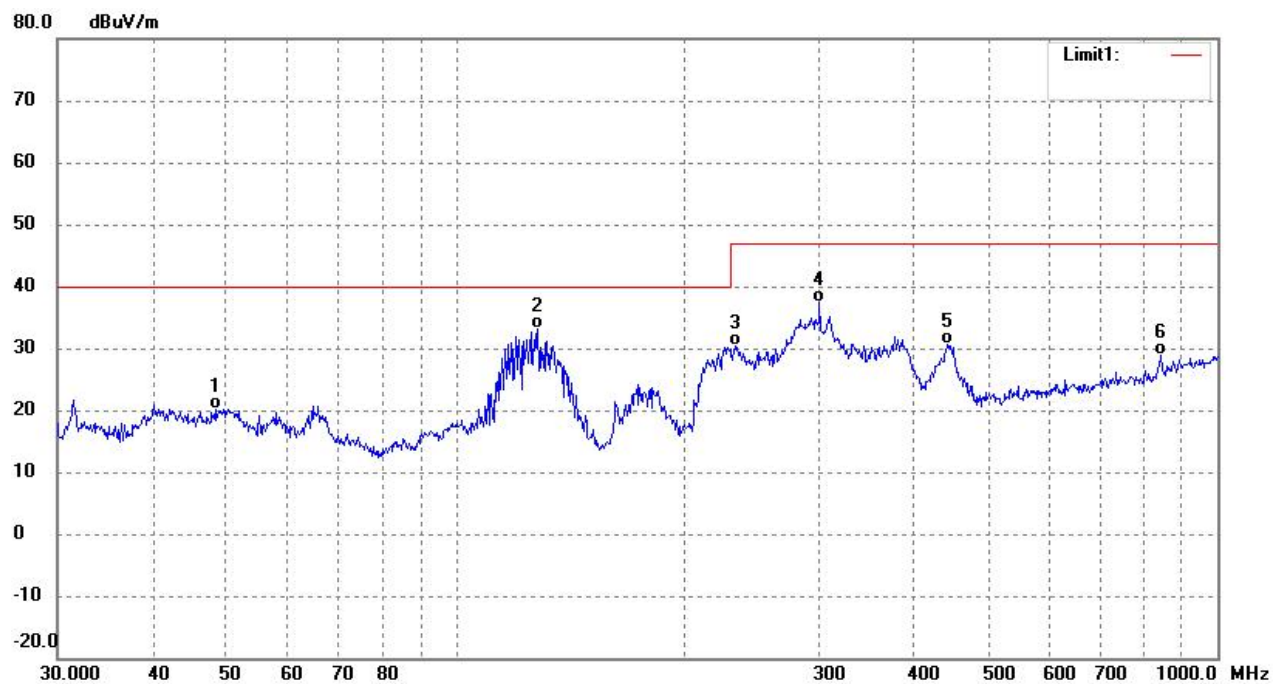
System Measurement Uncertainty	
Items	Extended Uncertainty
Uncertainty for Radiated Emission in 3m chamber 30MHz-1000MHz	Horizontal: 4.99dB; Vertical: 4.97dB;
Uncertainty for RS test(80MHz-3000MHz)	21%,K=2
Uncertainty for RS test(3000MHz- 6000MHz)	±1.7dB
Uncertainty for ESD test	The immunity measurement system uncertainty is within standard requirement and is based on a standard uncertainty multiplied by a coverage factor k=2, providing a level of confidence of approximately 95%.

9 Graph and Data of Emission Test

9.1 Radiated Disturbance

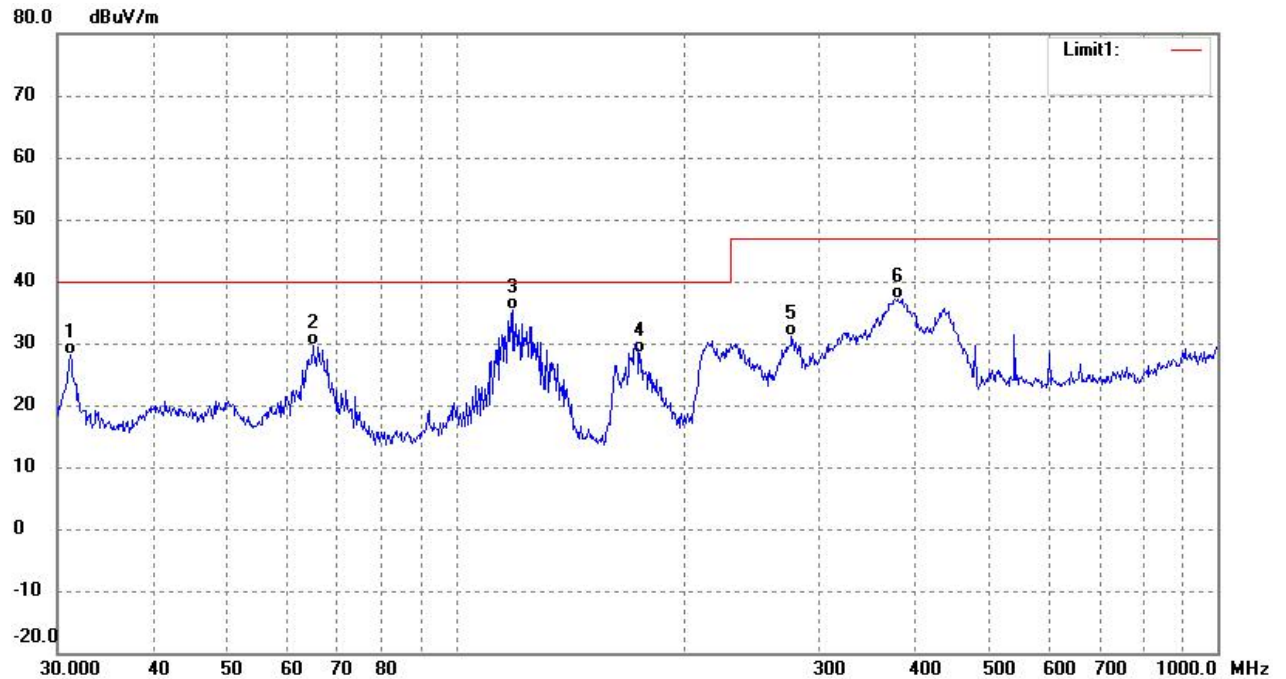
9.1.1 30MHz~1GHz

EUT: BLUETOOTH SPEAKER
M/N: VT-6211
Operating Condition: TM1
Test Specification: Horizontal



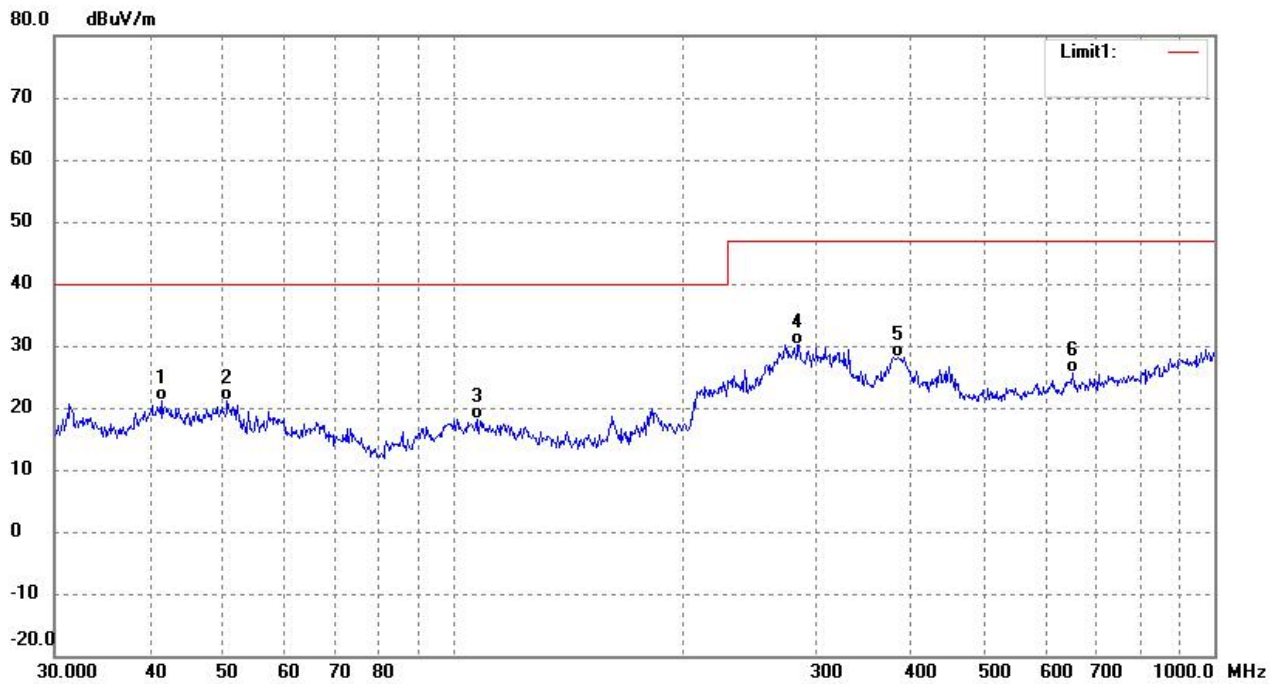
No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	48.3318	33.82	-13.73	20.09	40.00	-19.91			QP
2	128.1130	50.76	-17.69	33.07	40.00	-6.93			QP
3	233.3487	41.81	-11.53	30.28	47.00	-16.72			QP
4	300.3672	45.24	-7.83	37.41	47.00	-9.59			QP
5	441.7426	38.68	-8.13	30.55	47.00	-16.45			QP
6	842.1296	31.66	-2.79	28.87	47.00	-18.13			QP

EUT: BLUETOOTH SPEAKER
M/N: VT-6211
Operating Condition: TM1
Test Specification: Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	31.1798	44.52	-16.32	28.20	40.00	-11.80			QP
2	64.8865	45.75	-16.11	29.64	40.00	-10.36			QP
3	119.0180	50.87	-15.54	35.33	40.00	-4.67			QP
4	174.4241	43.73	-15.30	28.43	40.00	-11.57			QP
5	276.1235	40.91	-9.90	31.01	47.00	-15.99			QP
6	379.9141	45.16	-7.94	37.22	47.00	-9.78			QP

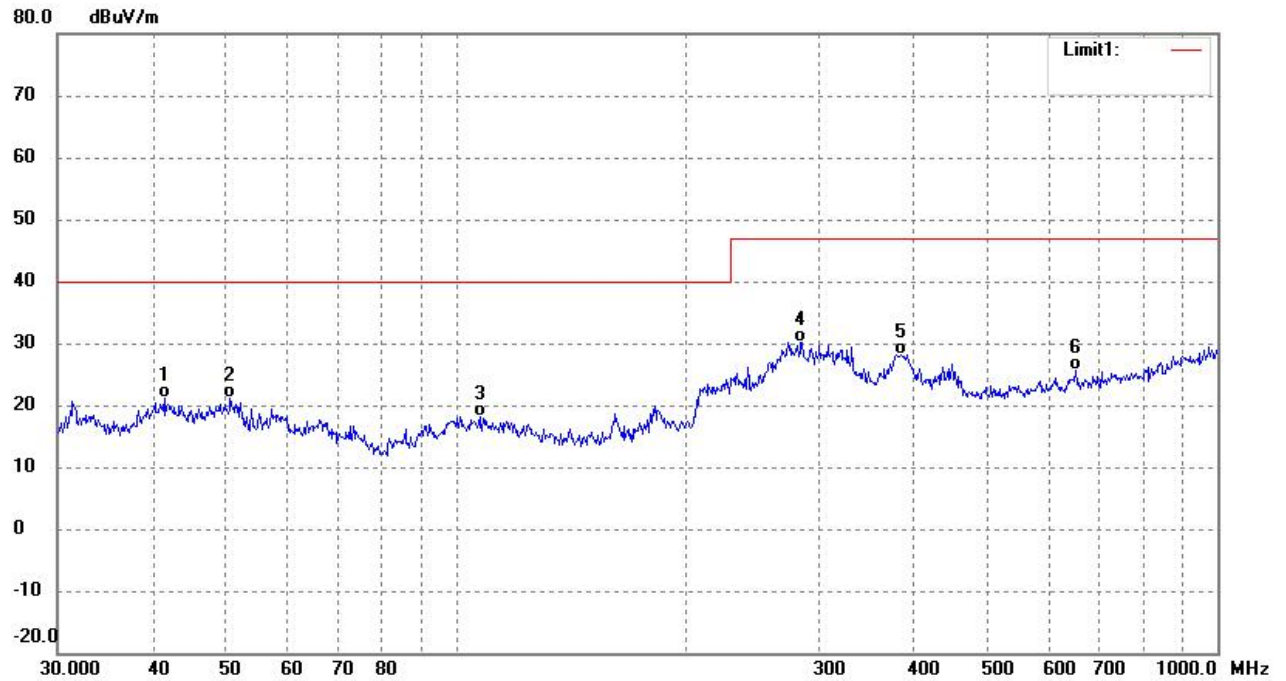
EUT: BLUETOOTH SPEAKER
M/N: VT-6211
Operating Condition: TM2
Test Specification: Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	41.4215	35.10	-14.09	21.01	40.00	-18.99			QP
2	50.5860	34.81	-13.79	21.02	40.00	-18.98			QP
3	107.5101	32.92	-14.82	18.10	40.00	-21.90			QP
4	283.9791	39.39	-9.22	30.17	47.00	-16.83			QP
5	383.9318	36.15	-7.92	28.23	47.00	-18.77			QP
6	651.9417	31.39	-5.87	25.52	47.00	-21.48			QP

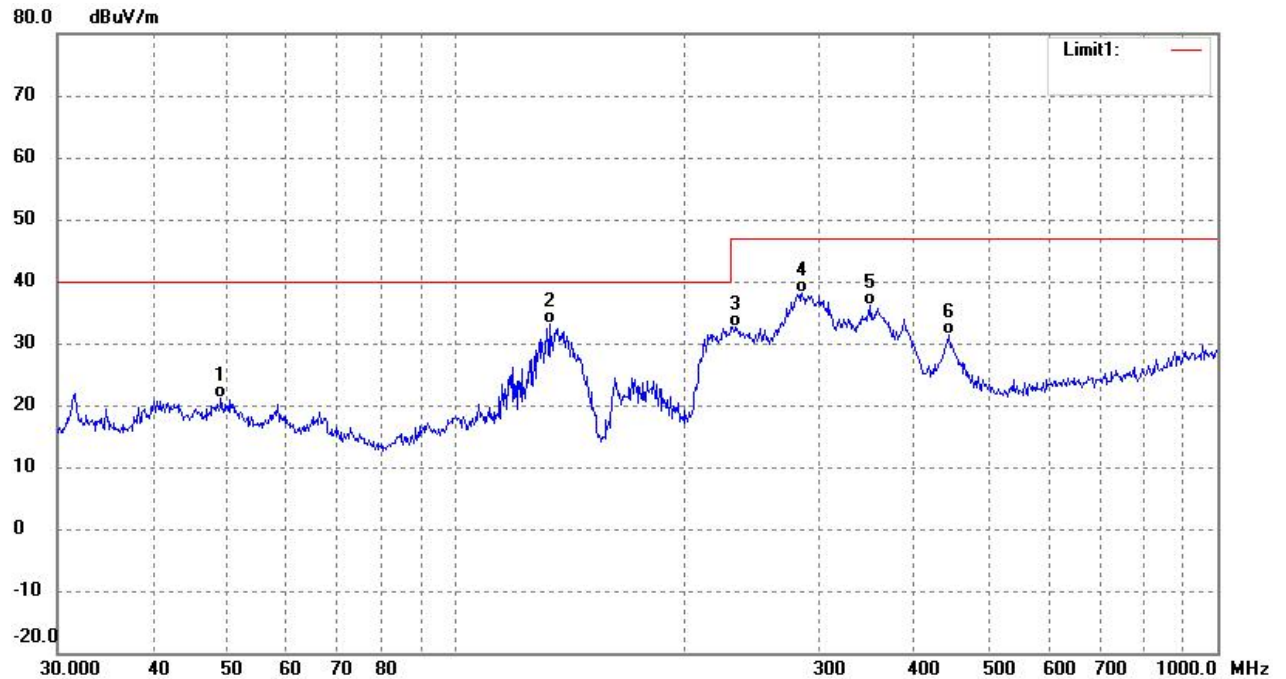


EUT: BLUETOOTH SPEAKER
 M/N: VT-6211
 Operating Condition: TM2
 Test Specification: Vertical



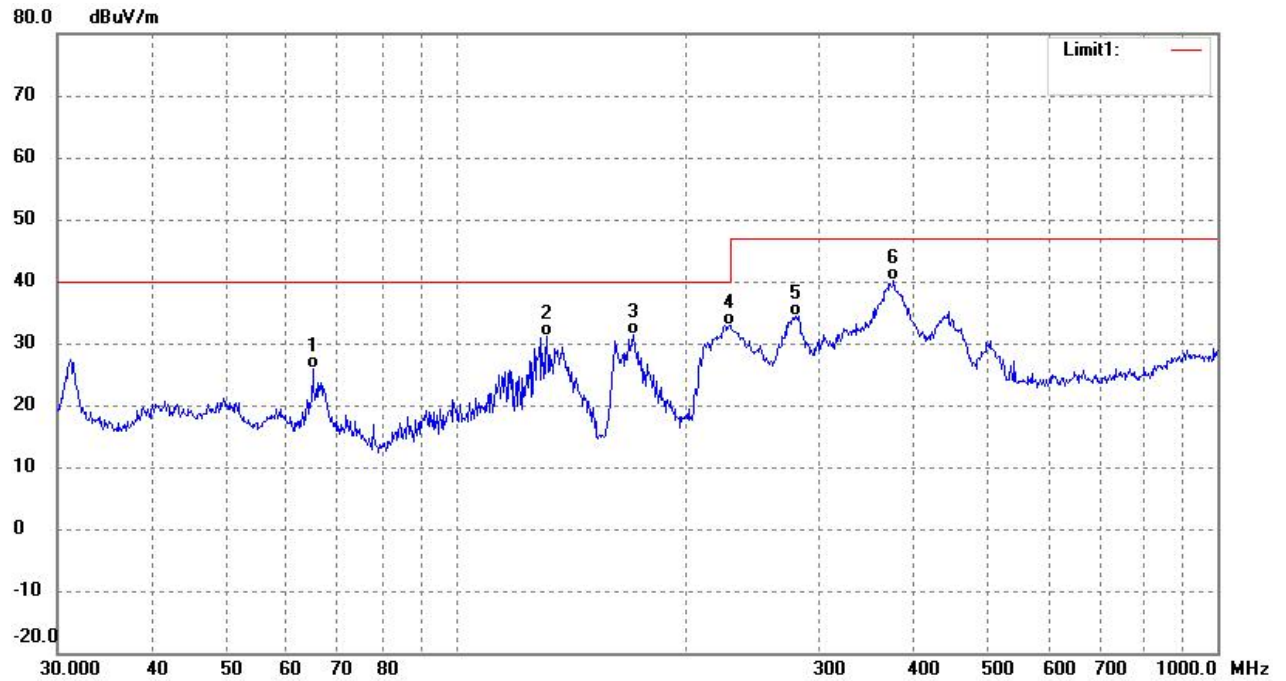
No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	41.4215	35.10	-14.09	21.01	40.00	-18.99			QP
2	50.5860	34.81	-13.79	21.02	40.00	-18.98			QP
3	107.5101	32.92	-14.82	18.10	40.00	-21.90			QP
4	283.9791	39.39	-9.22	30.17	47.00	-16.83			QP
5	383.9318	36.15	-7.92	28.23	47.00	-18.77			QP
6	651.9417	31.39	-5.87	25.52	47.00	-21.48			QP

EUT: BLUETOOTH SPEAKER
M/N: VT-6211
Operating Condition: TM3
Test Specification: Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	49.1865	34.91	-13.68	21.23	40.00	-18.77			QP
2	132.6850	51.16	-17.94	33.22	40.00	-6.78			QP
3	233.3487	44.26	-11.53	32.73	47.00	-14.27			QP
4	284.9767	47.31	-9.13	38.18	47.00	-8.82			QP
5	350.4768	43.71	-7.59	36.12	47.00	-10.88			QP
6	443.2943	39.51	-8.15	31.36	47.00	-15.64			QP

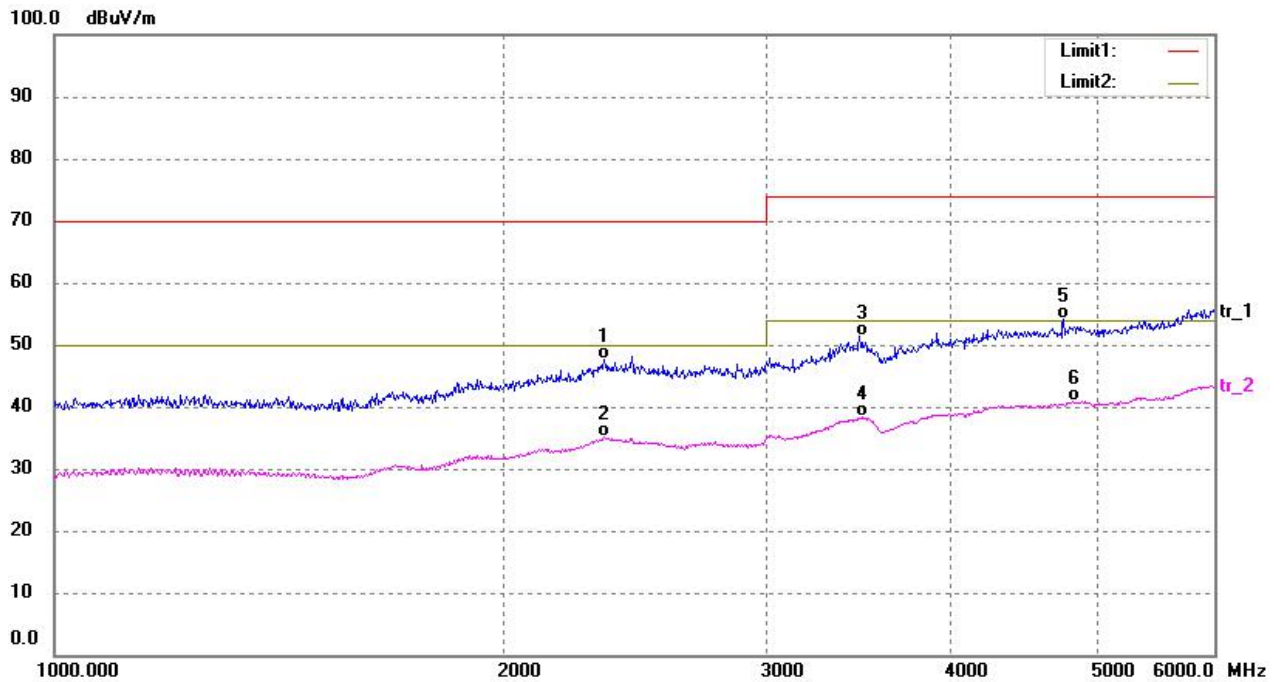
EUT: BLUETOOTH SPEAKER
M/N: VT-6211
Operating Condition: TM3
Test Specification: Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	64.8865	41.88	-16.11	25.77	40.00	-14.23			QP
2	131.7577	49.19	-18.00	31.19	40.00	-8.81			QP
3	170.7926	46.87	-15.61	31.26	40.00	-8.74			QP
4	228.4904	44.81	-11.83	32.98	40.00	-7.02			QP
5	279.0436	43.92	-9.64	34.28	47.00	-12.72			QP
6	375.9385	47.97	-7.96	40.01	47.00	-6.99			QP

9.1.2 1GHz~6GHz

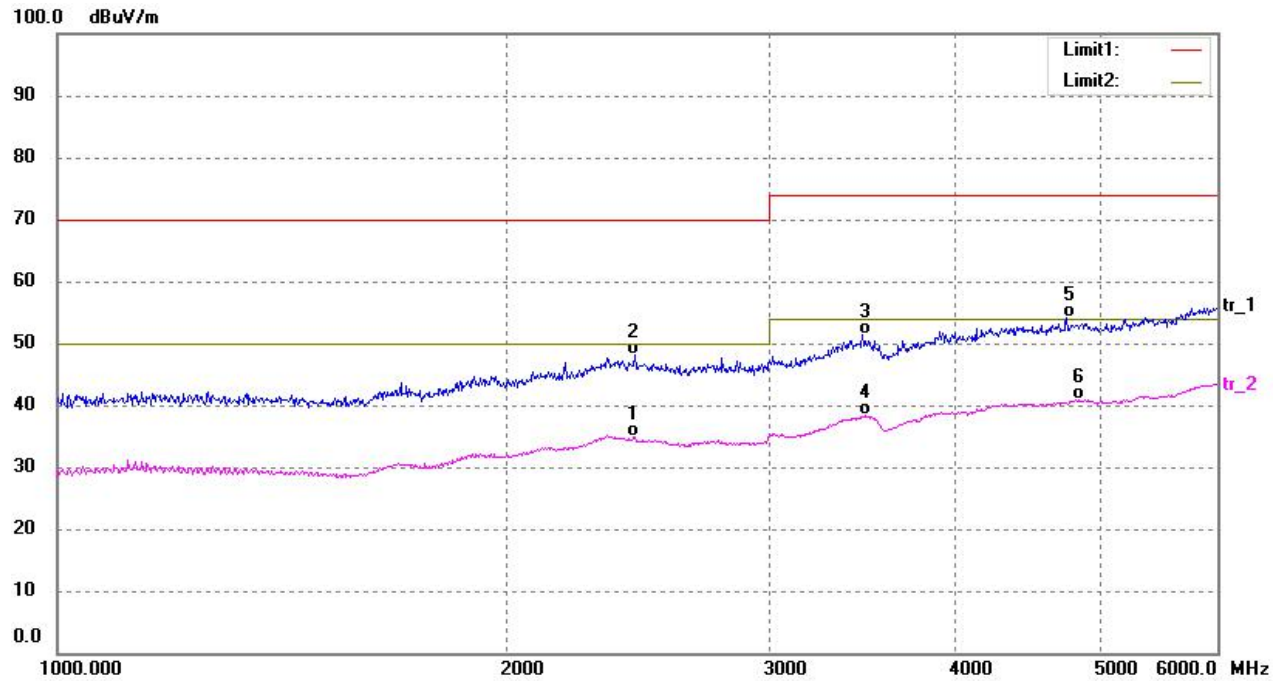
EUT: BLUETOOTH SPEAKER
M/N: VT-6211
Operating Condition: TM1
Test Specification: Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	2337.996	54.95	-7.28	47.67	70.00	-22.33			QP
2	2337.996	42.35	-7.28	35.07	50.00	-14.93			AVG
3	3467.664	55.11	-3.66	51.45	74.00	-22.55			QP
4	3480.112	41.90	-3.60	38.30	54.00	-15.70			AVG
5	4753.260	53.84	0.23	54.07	74.00	-19.93			QP
6	4821.884	40.45	0.34	40.79	54.00	-13.21			AVG

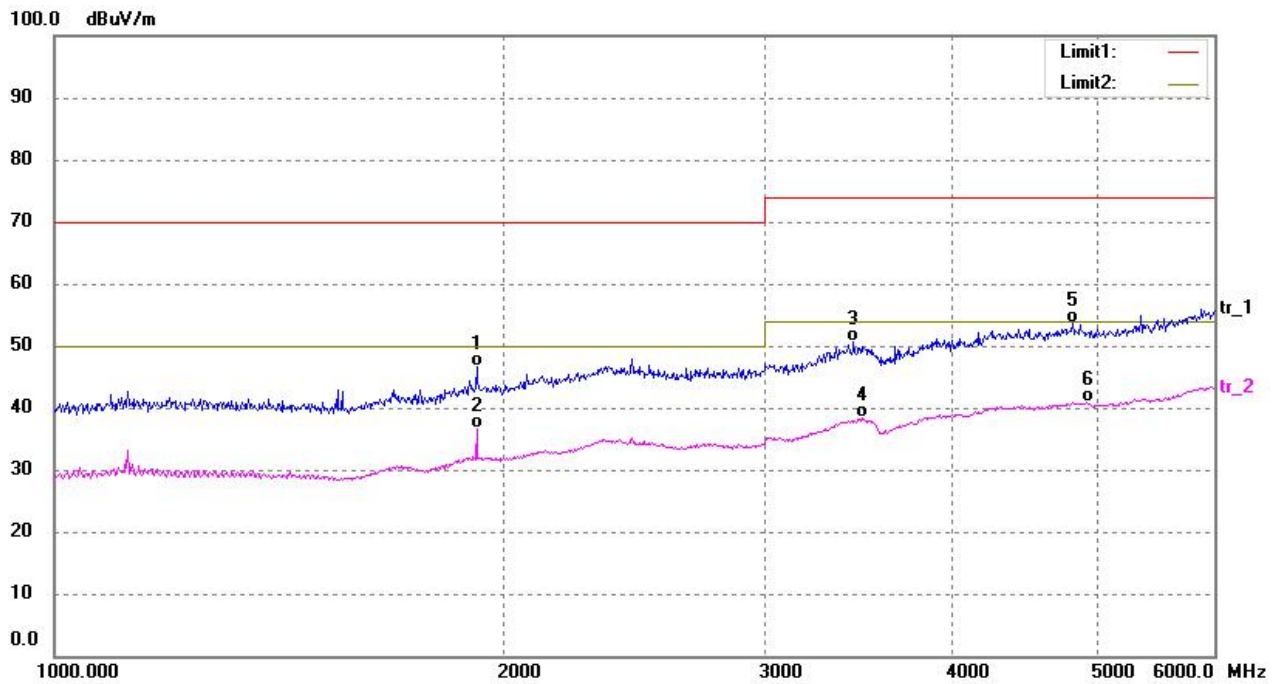


EUT: BLUETOOTH SPEAKER
 M/N: VT-6211
 Operating Condition: TM1
 Test Specification: Vertical



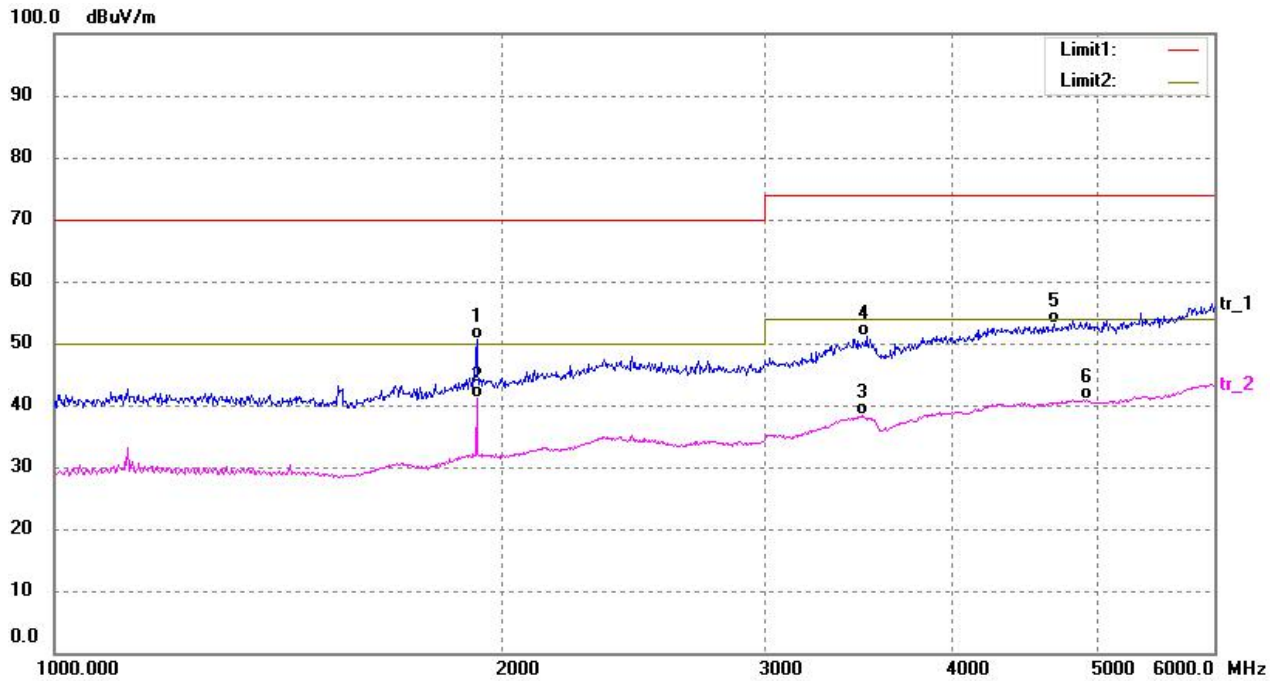
No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	2436.358	41.79	-6.87	34.92	50.00	-15.08			AVG
2	2440.728	54.89	-6.84	48.05	70.00	-21.95			QP
3	3467.664	55.11	-3.66	51.45	74.00	-22.55			QP
4	3480.112	42.05	-3.60	38.45	54.00	-15.55			AVG
5	4753.260	53.84	0.23	54.07	74.00	-19.93			QP
6	4839.195	40.56	0.36	40.92	54.00	-13.08			AVG

EUT: BLUETOOTH SPEAKER
M/N: VT-6211
Operating Condition: TM2
Test Specification: Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	1919.761	55.90	-9.31	46.59	70.00	-23.41			QP
2	1919.761	46.03	-9.31	36.72	50.00	-13.28			AVG
3	3436.736	54.35	-3.79	50.56	74.00	-23.44			QP
4	3480.112	41.91	-3.60	38.31	54.00	-15.69			AVG
5	4821.884	53.30	0.34	53.64	74.00	-20.36			QP
6	4926.683	40.35	0.50	40.85	54.00	-13.15			AVG

EUT: BLUETOOTH SPEAKER
M/N: VT-6211
Operating Condition: TM2
Test Specification: Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	1919.761	59.99	-9.31	50.68	70.00	-19.32			QP
2	1919.761	50.40	-9.31	41.09	50.00	-8.91			AVG
3	3480.112	41.91	-3.60	38.31	54.00	-15.69			AVG
4	3505.144	54.65	-3.52	51.13	74.00	-22.87			QP
5	4685.613	52.90	0.13	53.03	74.00	-20.97			QP
6	4900.272	40.33	0.46	40.79	54.00	-13.21			AVG

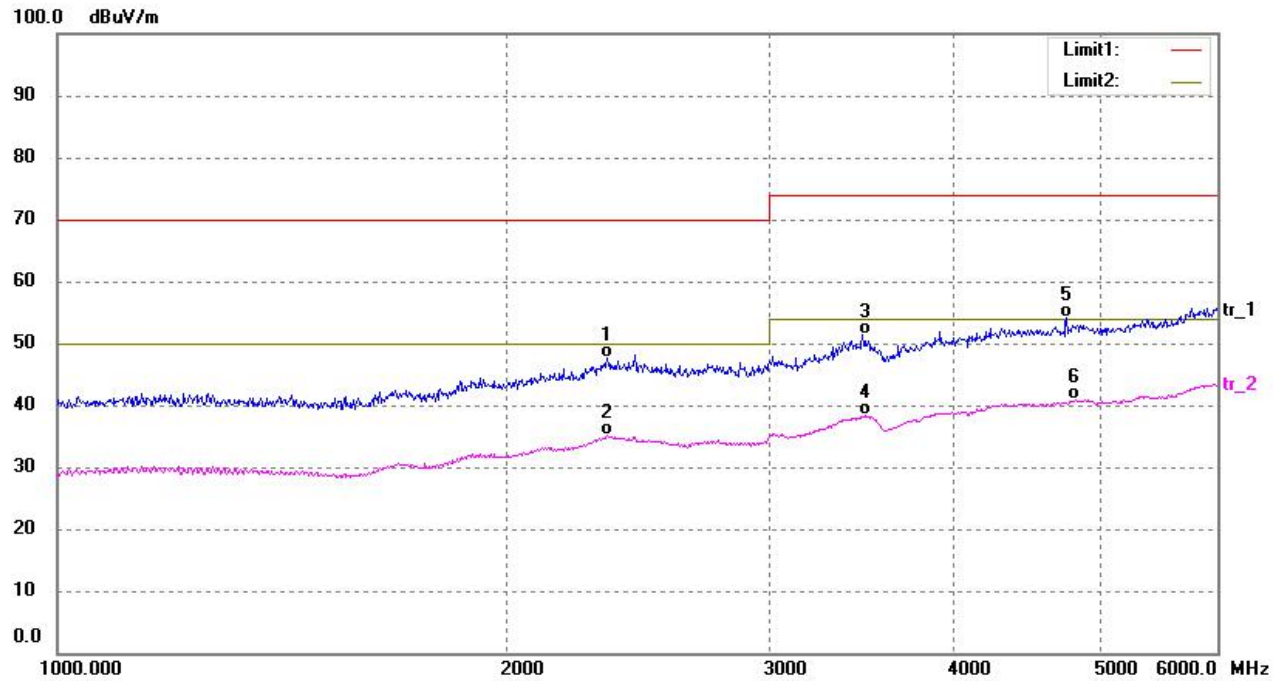
EUT: BLUETOOTH SPEAKER
M/N: VT-6211
Operating Condition: TM3
Test Specification: Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	2436.358	41.79	-6.87	34.92	50.00	-15.08			AVG
2	2440.728	54.89	-6.84	48.05	70.00	-21.95			QP
3	3467.664	55.11	-3.66	51.45	74.00	-22.55			QP
4	3480.112	42.05	-3.60	38.45	54.00	-15.55			AVG
5	4753.260	53.84	0.23	54.07	74.00	-19.93			QP
6	4839.195	40.56	0.36	40.92	54.00	-13.08			AVG



EUT: BLUETOOTH SPEAKER
 M/N: VT-6211
 Operating Condition: TM3
 Test Specification: Vertical



No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree ()	Height (cm)	Remark
1	2337.996	54.95	-7.28	47.67	70.00	-22.33			QP
2	2337.996	42.35	-7.28	35.07	50.00	-14.93			AVG
3	3467.664	55.11	-3.66	51.45	74.00	-22.55			QP
4	3480.112	41.90	-3.60	38.30	54.00	-15.70			AVG
5	4753.260	53.84	0.23	54.07	74.00	-19.93			QP
6	4821.884	40.45	0.34	40.79	54.00	-13.21			AVG

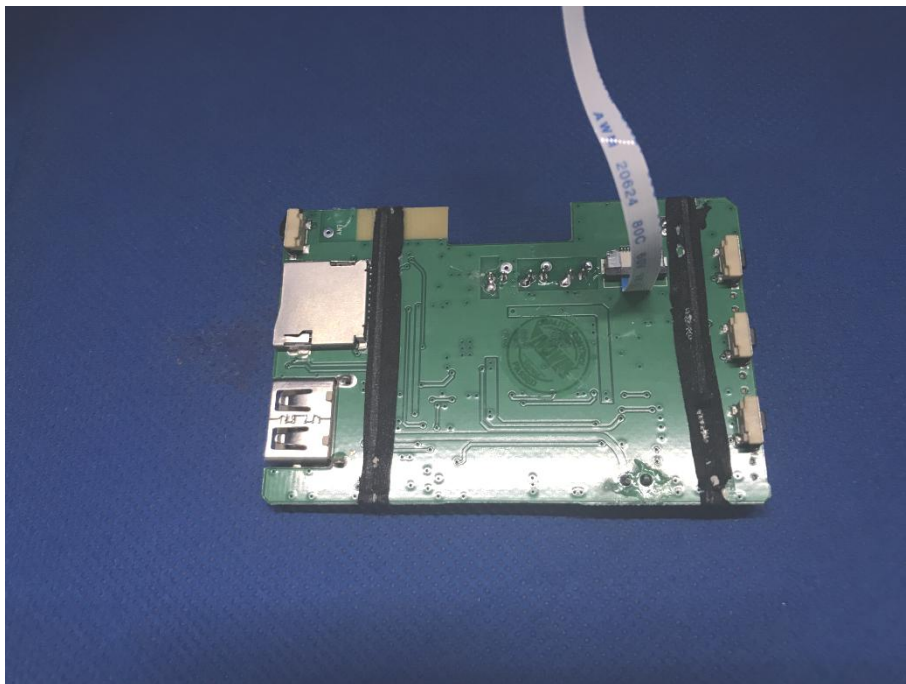
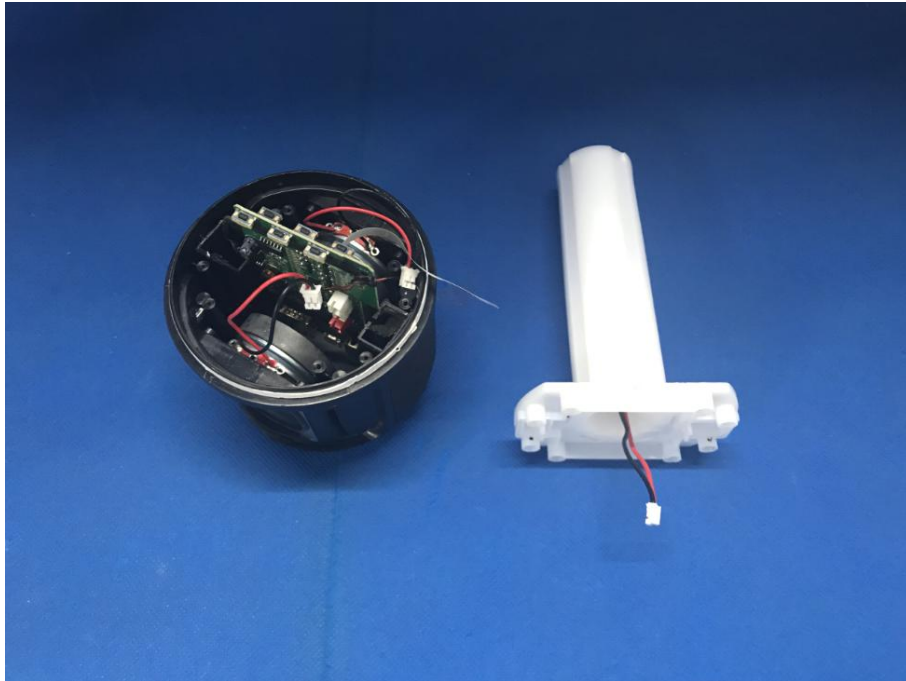
10 Photographs of EUT

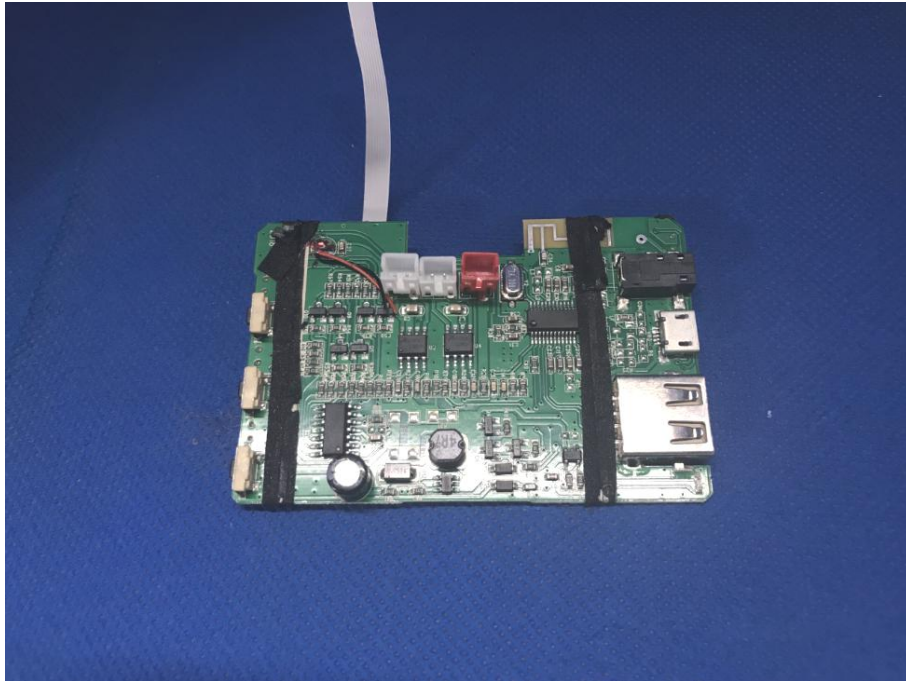
External Photo:



Internal Photo:







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