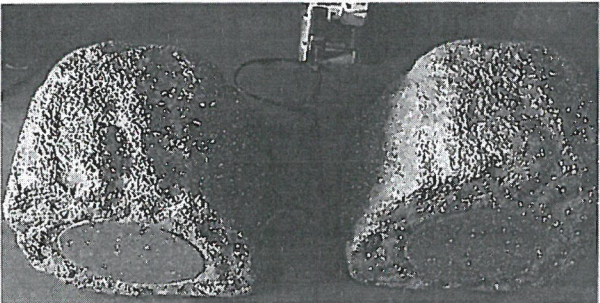


Prüfbericht-Nr.: Test Report No.:	16069377 001	Auftrags-Nr.: Order No.:	174037021	Seite 1 von 28 Page 1 of 28
Kunden-Referenz-Nr.: Client Reference No.:	440253	Auftragsdatum: Order date.:	03 Jul, 2015	
Auftraggeber: Client:	Dongguan Alllike Electronics Co., Ltd. Chuanacha Development Zone, Machong Town 523141 P.R. China			
Prüfgegenstand: Test item:	Bluetooth Rock Speaker	FCC ID: FCC ID:	BUQBR90P	
Bezeichnung / Typ-Nr.: Identification / Type No.:	ITSBO-358P			
Auftrags-Inhalt: Order content:	TUV Rheinland - EMC service			
Prüfgrundlage: Test specification:	CFR47 FCC Part 15: Subpart C Section 15.247 CFR47 FCC Part 15: Subpart C Section 15.207 CFR47 FCC Part 15: Subpart C Section 15.209 FCC KDB Publication 4447498 D01 v05r02			
Wareneingangsdatum: Date of receipt:	17 Jul, 2015			
Prüfmuster-Nr.: Test sample No.:	Engineering samples			
Prüfzeitraum: Testing period:	Refer to test report			
Ort der Prüfung: Place of testing:	Refer to section 2.1			
Prüflaboratorium: Testing laboratory:	TÜV Rheinland (Guangdong) Ltd.			
Prüfergebnis*: Test result*:	Pass			
geprüft von / tested by:		kontrolliert von / reviewed by:		
25 Sep, 2015 <i>Amy Wang</i> Amy Wang / Project Engineer		14 Dec. 2015 <i>Max Y. C. Yao</i> Max Y. C. Yao / Department Manager		
Datum Date	Name/Stellung Name/Position	Unterschrift Signature	Datum Date	Name/Stellung Name/Position
Sonstiges / Other:				
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:		Prüfmuster vollständig und unbeschädigt Test item complete and undamaged:		
* Legende: 1 = sehr gut 2 = gut 3 = befriedigend P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) Legend: 1 = very good 2 = good 3 = satisfactory P(ass) = passed a.m. test specifications(s) F(ail) = failed a.m. test specifications(s)		4 = ausreichend 5 = mangelhaft N/A = nicht anwendbar N/T = nicht getestet 4 = sufficient 5 = poor 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 <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i>				

V04

Test Summary

5.1.1 ANTENNA REQUIREMENT

RESULT: *Passed*

5.1.2 PEAK OUTPUT POWER

RESULT: *Passed*

5.1.3 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 kHz BANDWIDTH

RESULT: *Passed*

5.1.4 SPURIOUS EMISSION

RESULT: *Passed*

5.1.5 20dB BANDWIDTH

RESULT: *Passed*

5.1.6 FREQUENCY SEPARATION

RESULT: *Passed*

5.1.7 NUMBER OF HOPPING FREQUENCY

RESULT: *Passed*

5.1.8 TIME OF OCCUPANCY

RESULT: *Passed*

5.1.9 CONDUCTED EMISSIONS

RESULT: *Passed*

6.1.1 ELECTROMAGNETIC FIELDS

RESULT: *Passed*

Contents

1	GENERAL REMARKS	5
1.1	COMPLEMENTARY MATERIALS	5
2	TEST SITES	5
2.1	TEST FACILITIES	5
2.2	LIST OF TEST AND MEASUREMENT INSTRUMENTS	6
2.3	TRACEABILITY.....	7
2.4	CALIBRATION.....	7
2.5	MEASUREMENT UNCERTAINTY.....	7
2.6	LOCATION OF ORIGINAL DATA.....	7
2.7	STATUS OF FACILITY USED FOR TESTING	7
3	GENERAL PRODUCT INFORMATION.....	8
3.1	PRODUCT FUNCTION AND INTENDED USE.....	8
3.2	RATINGS AND SYSTEM DETAILS	8
3.3	INDEPENDENT OPERATION MODES	10
3.4	NOISE GENERATING AND NOISE SUPPRESSING PARTS	10
3.5	SUBMITTED DOCUMENTS	10
4	TEST SET-UP AND OPERATION MODES.....	11
4.1	PRINCIPLE OF CONFIGURATION SELECTION.....	11
4.2	TEST OPERATION AND TEST SOFTWARE	11
4.3	SPECIAL ACCESSORIES AND AUXILIARY EQUIPMENT	11
4.4	COUNTERMEASURES TO ACHIEVE EMC COMPLIANCE.....	11
4.5	TEST SET-UP	12
5	TEST RESULTS	14
5.1	TRANSMITTER REQUIREMENT & TEST SUITES	14
5.1.1	Antenna Requirement.....	14
5.1.2	Peak Output Power.....	15
5.1.3	Conducted Spurious Emissions Measured in 100 kHz Bandwidth.....	17
5.1.4	Spurious Emission.....	18
5.1.5	20dB Bandwidth.....	19
5.1.6	Frequency Separation	20
5.1.7	Number of Hopping Frequency.....	21
5.1.8	Time of Occupancy.....	22
5.1.9	Conducted Emissions.....	24
6	SAFETY HUMAN EXPOSURE	25
6.1	RADIO FREQUENCY EXPOSURE COMPLIANCE	25

6.1.1	Electromagnetic Fields	25
7	PHOTOGRAPHS OF THE TEST SET-UP	26
8	LIST OF TABLES.....	28
9	LIST OF PHOTOGRAPHS	28

1 General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix 1: Test result

2 Test Sites

2.1 Test Facilities

GUANGZHOU GRG METEROLOGY & TEST TECHNOLOGY CO.,LTD

163 Ping Yun Rd, West of HuangPu Ave, Guangzhou, Guangdong, P.R.China

FCC Registration No. 688188

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

Prüfbericht - Nr.: 16069377 001
Test Report No.

Seite 6 von 28
Page 6 of 28

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Name of Equipment	Manufacturer	Model	Serial Number	Calibration Due
carrier frequencies separated/ hopping channel number/ dwell time/ maximum peak output power/100kHz bandwidth of frequency band edge/ Spurious Emissions at Antenna Port/ Restricted Bands				
Receiver	R&S	ESU26	100526	2016-03-08
Conducted Emissions				
EMI Receiver	R&S	ESCI	100529	2016-03-24
L.I.S.N	SCHWARZBECK	NSLK 8127	8127450	2015-08-18
Radiated Spurious Emissions				
Receiver	R&S	ESU26	100526	2016-03-08
Loop antenna	R&S	HFH2-Z2	881058/58	2016-04-17
Biconical Log-periodic Antenna	ETS.LINDGREN	3142C	00075971	2016-04-17
Horn antenna	SCHWARZBECK	BBHA9120D	D752	2017-03-03
Per-Amplifier (0.1-26.5GHz)	Compliance Directions systems Inc.	PAP-0126	25002	2016-01-03

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

Uncertainty for conducted emissions measurements is 2.40dB.

Uncertainty for radiated emissions measurements is 4.40dB (30M-1GHz) and 4.40dB (> 1GHz).

The reported expanded uncertainty is based on a standard uncertainty multiply by a coverage factor $k=2$, providing a level of confidence of approximately 95%.

2.6 Location of original data

The original copies of test data taken during actual testing were attached at Appendix 1 of this report and delivered to the applicant. A copy has been retained in the TÜV Rheinland (Guangdong) file for certification follow-up purposes.

2.7 Status of facility used for testing

GUANGZHOU GRG METEROLOGY & TEST TECHNOLOGY CO.,LTD
163 Ping Yun Rd, West of HuangPu Ave, Guangzhou, Guangdong, P.R.China. whose registration number is 688188.

3 General Product Information

3.1 Product Function and Intended Use

The EUT is a “Bluetooth Speaker” with Bluetooth 2.1 +EDR, which is intended to enable Bluetooth connectivity with Notebook or smart phone, and play the music from Bluetooth device.

For more details refer to the Technical Documentation or User manual.

3.2 Ratings and System Details

Table 2: Rating of EUT

Kind of Equipment	Bluetooth Rock Speaker
Type Designation	ITSB-358P
FCC ID	BUQBR90P

Table 3: Technical Specification of Bluetooth (BDR & EDR)

Technical Specification	Value
Operating Frequency band	2402 – 2480 MHz
Bluetooth Core Version	2.1+EDR
Channel separation	1MHz
Extreme Temperature Range	-10°C to +40°C
Operation Voltage	DC 5V, 1A
Operation Voltage (Adapter YN6W-050100UU)	100~240Vac, 50/60Hz;
Modulation	GFSK, 8DPSK, $\pi/4$ DQPSK
Antenna Type	Internal Antenna, Non-User Replaceable
Antenna Gain	0 dBi
RF Output Power	0.00164W (2.150dBm)

Table 4: RF channel and frequency of Bluetooth (BDR & EDR mode)

RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
0	2402.00	20	2422.00	40	2442.00	60	2462.00
1	2403.00	21	2423.00	41	2443.00	61	2463.00
2	2404.00	22	2424.00	42	2444.00	62	2464.00
3	2405.00	23	2425.00	43	2445.00	63	2465.00
4	2406.00	24	2426.00	44	2446.00	64	2466.00
5	2407.00	25	2427.00	45	2447.00	65	2467.00
6	2408.00	26	2428.00	46	2448.00	66	2468.00
7	2409.00	27	2429.00	47	2449.00	67	2469.00
8	2410.00	28	2430.00	48	2450.00	68	2470.00
9	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	/	/

3.3 Independent Operation Modes

The basic operation modes are:

- A. On, Traditional Bluetooth
 - 1. Transmitting on low channel
 - 2. Transmitting on middle channel
 - 3. Transmitting on high channel
- B. On, Traditional Bluetooth on Hopping channel
- C. On, Bluetooth connecting mode
- D. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

3.5 Submitted Documents

- 1. Block Diagram
- 2. Circuit Diagram
- 3. Operation Description
- 4. PCB Layout
- 5. BOM
- 6. FCC label and location
- 7. User Manual
- 8. Internal Photos
- 9. External Photos
- 10. Application form

4 Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

The equipment under test (EUT) was configured to measure its maximum power 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 C63.4: 2009 & ANSI C63.10: 2013.

4.3 Special Accessories and Auxiliary Equipment

The product has been tested together with the following additional accessories:

Kind of Equipment	Manufacturer	Model Name	S/N
Notebook	Lenovo	E46A	EB24320428
AC/DC Adapter	Yingna	YN6W-050100UU	/
iPhone	Apple	A1586	/

4.4 Countermeasures to achieve EMC Compliance

The test sample, which has been tested, contained the noise suppression parts as described in the technical document. No additional measures were employed to achieve compliance.

4.5 Test set-up

Diagram of Measurement Configuration for Radiation Test

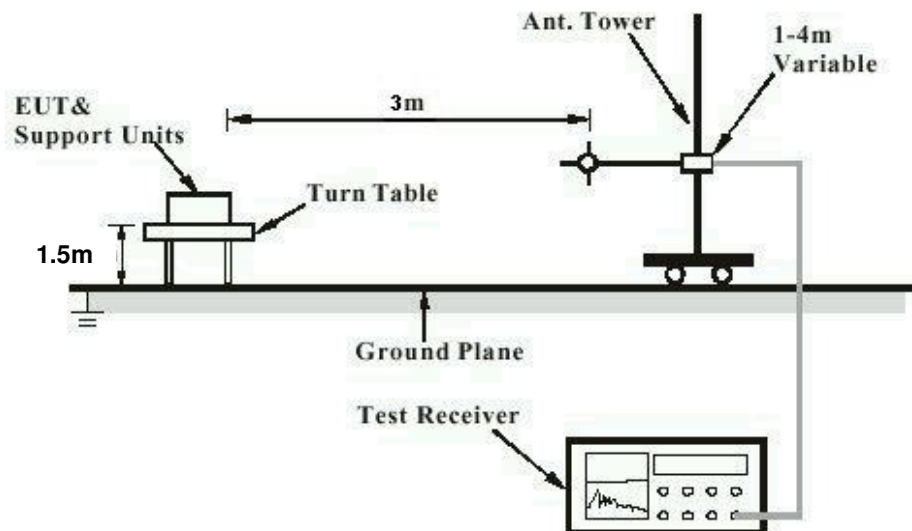


Diagram of Measurement Configuration for Mains Conduction Measurement

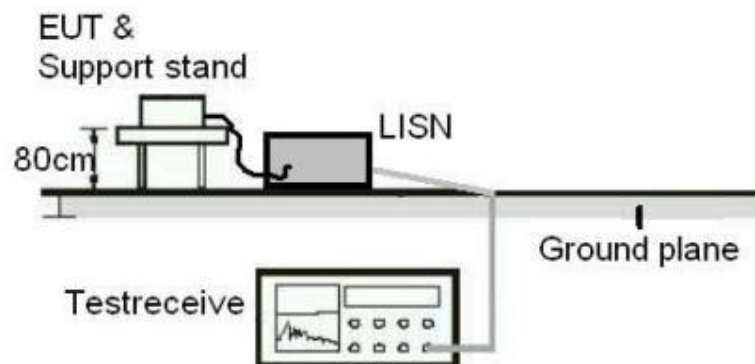
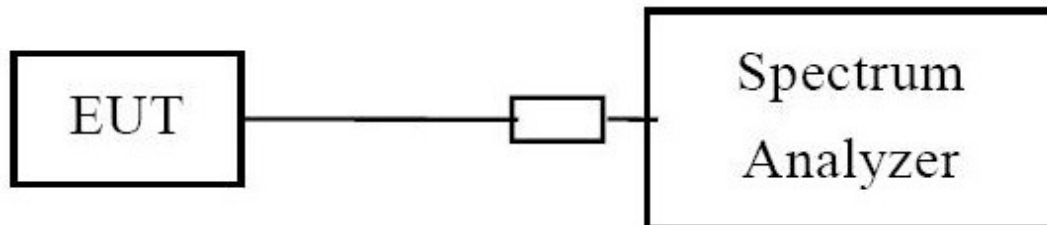


Diagram of Measurement Configuration for Conducted Transmitter Measurement



5 Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT: **Passed**

Test Specification

Test standard	: FCC Part 15.247(b)(4) and Part 15.203
Limits	: the use of antennas with directional gains that do not exceed 6 dBi

According to the manufacturer declared, the EUT has an internal antenna, the directional gain of antenna is 0 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.

For more details, refer to EUT photo.

5.1.2 Peak Output Power

RESULT:

Passed

Test Specification

Test standard	: FCC Part 15.247(b)(1) & (b)(3)
Basic standard	: ANSI C63.10: 2013
Limits	: BDR/ EDR: 0.125 Watts
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 17 Jul, 2015 & 29 Jul, 2015
Power supply	: 120Vac, 60Hz
Operation mode	: A (See 3.3)
Test channel	: Low / Middle / High
Ambient temperature	: 23.2 °C
Relative Humidity	: 61 %
Atmospheric pressure	: 101 kPa

Table 5: Test result of Peak Output Power, GFSK

Channel	Channel Frequency (MHz)	Peak Output Power		Limit (W)
		(dBm)	(W)	
Low Channel	2402	2.150	0.00164	0.125
Middle Channel	2441	1.450	0.00140	0.125
High Channel	2480	0.730	0.00118	0.125

Table 6: Test result of Peak Output Power, $\pi/4$ DQPSK

Channel	Channel Frequency (MHz)	Peak Output Power		Limit (W)
		(dBm)	(W)	
Low Channel	2402	1.490	0.00141	0.125
Middle Channel	2441	0.800	0.00120	0.125
High Channel	2480	-1.770	0.00067	0.125

Table 7: Test result of Peak Output Power, 8DPSK

Channel	Channel Frequency (MHz)	Peak Output Power		Limit (W)
		(dBm)	(W)	
Low Channel	2402	1.970	0.00157	0.125
Middle Channel	2441	1.260	0.00134	0.125
High Channel	2480	0.570	0.00114	0.125

5.1.3 Conducted Spurious Emissions Measured in 100 kHz Bandwidth

RESULT:

Passed

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	: 15 Jul, 2015
Power supply	: 120Vac, 60Hz
Operation mode	: A (See 3.3)
Test channel	: Low / Middle / High
Ambient temperature	: 23.2 °C
Relative Humidity	: 61 %
Atmospheric pressure	: 101 kPa

All emissions are more than 20dB below fundamental, compliance is achieved as well.

For the measurement records, refer to the appendix 1.

5.1.4 Spurious Emission

RESULT:

Passed

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

Test Setup

Date of testing	: Refer to the appendix 1.
Power supply	: 120Vac, 60Hz
Operation mode	: A(See 3.3)
Test channel	: Low / Middle / High
Ambient temperature	: Refer to the appendix 1.
Relative Humidity	: Refer to the appendix 1.
Atmospheric pressure	: Refer to the appendix 1.

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 setup photos.

Testing was carried out within frequency range 30MHz to the tenth harmonic. For details refer to appendix 1. The Radiated Emissions testing was performed in the X, Y and Z axis orientation. The worst-case Axis orientation is recorded in this test report. Due to the small size of the product and that there are no inductive components of significant size, 9kHz to 30MHz frequency range is not tested based on technical judgment.

For the measurement records, refer to the appendix 1.

5.1.5 20dB Bandwidth

RESULT:

Passed

Test Specification

Test standard : FCC Part 15.247(a)(1)
Basic standard : ANSI C63.4: 2003
Kind of test site : Shielded Room

Test Setup

Date of testing : 15 Jul, 2015
Power supply : 120Vac, 60Hz
Operation mode : A (See 3.3)
Test channel : Low / Middle / High
Ambient temperature : 25 °C
Relative Humidity : 60 %
Atmospheric pressure : 101 kPa

Table 8: Test result of 20dB Bandwidth, GFSK mode

Channel	Channel Frequency (MHz)	20dB Bandwidth (kHz)	Limit (MHz)	Result
Low Channel	2402	1085.4	/	Pass
Mid Channel	2441	1070.9	/	Pass
High Channel	2480	1070.9	/	Pass

Table 9: Test result of 20dB Bandwidth, 8DPSK

Channel	Channel Frequency (MHz)	20dB Bandwidth (kHz)	Limit (MHz)	Result
Low Channel	2402	1353.1	/	Pass
Mid Channel	2441	1353.1	/	Pass
High Channel	2480	1215.6	/	Pass

5.1.6 Frequency Separation

RESULT:

Passed

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 : 15 Jul, 2015
Power supply : 120Vac, 60Hz
Operation mode : A (See 3.3)
Test channel : Low / Middle / High
Ambient temperature : $23.2\text{ }^{\circ}\text{C}$
Relative Humidity : 61 %
Atmospheric pressure : 101 kPa

Table 10: Test result of Frequency Separation

Channel	Channel Frequency (MHz)	Measured Channel Separation (MHz)	Limit (kHz)	Result
Low Channel	2402	1.0	≥ 25kHz or 2/3 of 20dB bandwidth	Pass
Adjacency Channel	2403			
Mid Channel	2441	1.0		Pass
Adjacency Channel	2442			
High Channel	2480	1.0		Pass
Adjacency Channel	2479			

5.1.7 Number of Hopping Frequency

RESULT:

Passed

Test Specification

Test standard : FCC part 15.247(a)(1)(iii)
Basic standard : ANSI C63.4: 2003
Limits : ≥ 15 non-overlapping channels
Kind of test site : Shielded Room

Test Setup

Date of testing : 15 Jul, 2015
Power supply : 120Vac, 60Hz
Operation mode : B (See 3.3)
Ambient temperature : 23.2 °C
Relative Humidity : 61 %
Atmospheric pressure : 101 kPa

Table 11: Test result of Number of hopping frequency

Frequency Range	Measured Quantity of Hopping Channel	Limit	Result
<u>2400</u> to <u>2483.5</u> MHz	79	≥ 15	Pass

5.1.8 Time of Occupancy

RESULT:

Passed

Test Specification

Test standard : FCC part 15.247(a)(1)(iii)
Basic standard : ANSI C63.4: 2003
Limits : 0.4s
Kind of test site : Shielded Room

Test Setup

Date of testing : 15 Jul, 2015
Power supply : 120Vac, 60Hz
Operation mode : A (See 3.3)
Test channel : Low / Middle / High
Ambient temperature : 23.2 °C
Relative Humidity : 61 %
Atmospheric pressure : 101 kPa

Table 12: Test result of Time of Occupancy, 8DPSK mode

Channel	Data Mode	Pulse width (ms)	Measured Dwell time (s)	Limit (s)	Result
Low Channel	DH1	0.391	0.132	0.4	Pass
	DH3	1.601	0.225	0.4	Pass
	DH5	2.783	0.281	0.4	Pass
Mid Channel	DH1	0.413	0.132	0.4	Pass
	DH3	1.406	0.225	0.4	Pass
	DH5	2.632	0.281	0.4	Pass
High Channel	DH1	0.405	0.130	0.4	Pass
	DH3	1.406	0.225	0.4	Pass
	DH5	2.632	0.281	0.4	Pass

Table 13: Test result of Time of Occupancy, GFSK mode

Channel	Data Mode	Pulse width (ms)	Measured Dwell time (s)	Limit (s)	Result
Low Channel	DH1	0.413	0.132	0.4	Pass
	DH3	1.558	0.249	0.4	Pass
	DH5	2.974	0.317	0.4	Pass
Mid Channel	DH1	0.384	0.123	0.4	Pass
	DH3	1.580	0.253	0.4	Pass
	DH5	2.748	0.293	0.4	Pass
High Channel	DH1	0.399	0.128	0.4	Pass
	DH3	1.580	0.253	0.4	Pass
	DH5	2.748	0.293	0.4	Pass

Note:

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

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

5.1.9 Conducted Emissions

RESULT:

Passed

Test Specification

Test standard	: FCC part 15.207
Basic standard	: ANSI C63.4: 2009
Frequency range	: 0.15 – 30MHz
Limits	: FCC Part 15.207(a)
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 15 Jul, 2015
Power supply	: 120Vac, 60Hz
Operation mode	: D (See 3.3)
Earthing	: Not connected
Ambient temperature	: 23.2 °C
Relative Humidity	: 61 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix 1.

6 Safety Human exposure

6.1 Radio Frequency Exposure Compliance

6.1.1 Electromagnetic Fields

RESULT:

Passed

Test Specification

Test standard : FCC KDB Publication 447498 v05r02

The minimum distance for the EUT is less than 5mm.
Since maximum peak output power of the transmitter is 1.64mW <10 mW.

Hence the EUT is excluded from SAR evaluation according to FCC KDB Publication 447498 D01 General RF Exposure Guidance v05r02.

7 Photographs of the Test Set-Up

Photograph 1: Set-up for Spurious Emissions (30MHz-1GHz)



Photograph 2: Set-up for Spurious Emissions (above 1GHz)



Photograph 3: Set-up for Conducted Emissions



8 List of Tables

Table 1: List of Test and Measurement Equipment.....	6
Table 2: Rating of EUT	8
Table 3: Technical Specification of Bluetooth (BDR & EDR).....	9
Table 4: RF channel and frequency of Bluetooth (BDR & EDR mode).....	9
Table 5: Test result of Peak Output Power, GFSK.....	16
Table 6: Test result of Peak Output Power, $\pi/4$ DQPSK.....	16
Table 7: Test result of Peak Output Power, 8DPSK.....	16
Table 8: Test result of 20dB Bandwidth, GFSK mode.....	19
Table 9: Test result of 20dB Bandwidth, 8DPSK.....	19
Table 10: Test result of Frequency Separation	20
Table 11: Test result of Number of hopping frequency	21
Table 12: Test result of Time of Occupancy, 8DPSK mode	22
Table 13: Test result of Time of Occupancy, GFSK mode	23

9 List of Photographs

Photograph 1: Set-up for Spurious Emissions (30MHz-1GHz).....	26
Photograph 2: Set-up for Spurious Emissions (above 1GHz)	26
Photograph 3: Set-up for Conducted Emissions	27

Prüfbericht - Nr.:

16069377 001

Test Report No.

Seite 1 von 60

Page 1 of 60

GRGTEST

GUANGZHOU GRG METEROLOGY & TEST TECHNOLOGY CO.,LTD

Tel (86)020-38699960

Http://www.grgtest.com

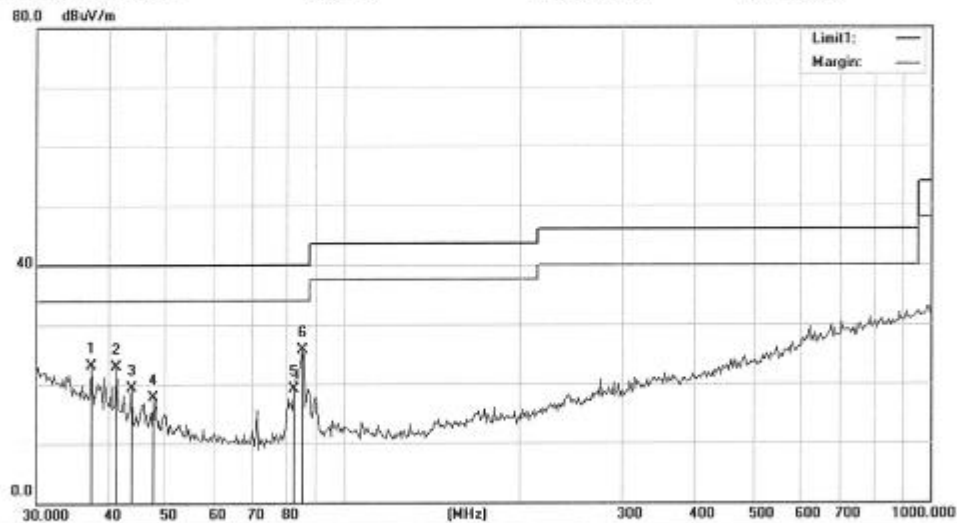
Radiated Emission Measurement

File :20150716TUV租场

Data :#48

Date: 2015-9-24

Time: 19:45:22



Site Chamber #1

Limit: (RE)FCC PART 15 class B 3m

EUT: Bluetooth Rock Speaker

M/N: ITSBO-358P

Mode: GFSK-2402

Note:

Polarization: **Horizontal**

Power: AC 120V/60Hz

Distance: 3m

Temperature: 23.2

Humidity: 56.0 %

Test Result: Pass

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		37.3509	8.18	14.93	23.11	40.00	-16.89	peak		
2		41.0951	9.94	12.93	22.87	40.00	-17.13	peak		
3		43.7155	7.27	12.02	19.29	40.00	-20.71	peak		
4		47.5601	7.12	10.62	17.74	40.00	-22.26	peak		
5		82.4923	10.31	8.82	19.13	40.00	-20.87	peak		
6	*	85.3210	16.50	9.13	25.63	40.00	-14.37	peak		

*:Maximum data x:Over limit !:over margin

Prüfbericht - Nr.:

16069377 001

Test Report No.

Seite 2 von 60

Page 2 of 60

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Http://www.grgtest.com

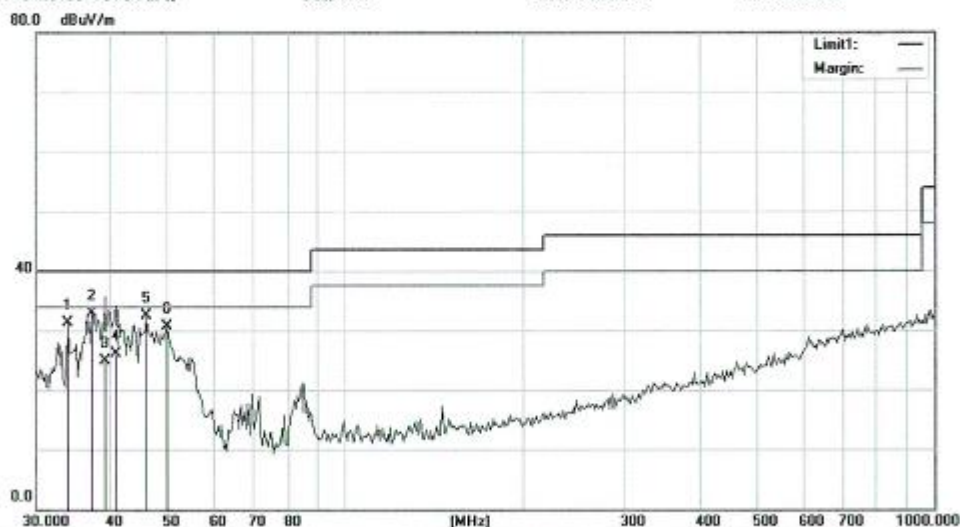
Radiated Emission Measurement

File :20150716TUV租场

Data :#47

Date: 2015-9-24

Time: 19:42:08



Site Chamber #1

Limit: (RE)FCC PART 15 class B 3m

EUT: Bluetooth Rock Speaker

M/N: ITSBO-358P

Mode: GFSK-2402

Note:

Polarization: **Vertical**

Power: AC 120V/60Hz

Distance: 3m

Temperature: 23.2

Humidity: 56.0 %

Test Result: Pass

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		33.9479	14.21	17.02	31.23	40.00	-8.77	peak			
2	*	37.3509	18.02	14.93	32.95	40.00	-7.05	peak			
3		39.2885	11.15	13.75	24.90	40.00	-15.10	QP			
4		40.8648	13.08	13.02	26.10	40.00	-13.90	QP			
5		45.9833	21.26	11.19	32.45	40.00	-7.55	peak			
6		49.7470	20.90	9.83	30.73	40.00	-9.27	peak			

*:Maximum data x:Over limit !:over margin

Prüfbericht - Nr.:

16069377 001

Test Report No.

Seite 3 von 60

Page 3 of 60

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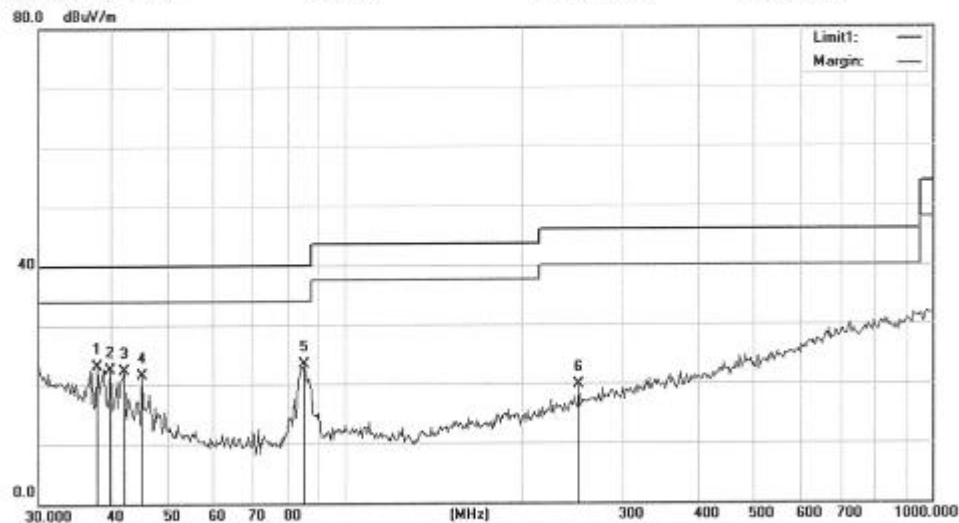
Radiated Emission Measurement

File :20150716TUV租场

Data :#50

Date: 2015-9-24

Time: 19:49:59



Site Chamber #1

Limit: (RE)FCC PART 15 class B 3m

EUT: Bluetooth Rock Speaker

M/N: ITSBO-358P

Mode: GFSK-2441

Note:

Polarization: **Horizontal**

Power: AC 120V/60Hz

Distance: 3m

Temperature: 23.2

Humidity: 56.0 %

Test Result: Pass

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		37.7730	8.50	14.67	23.17	40.00	-16.83	peak		
2		39.7324	9.08	13.48	22.56	40.00	-17.44	peak		
3		42.0292	9.74	12.62	22.36	40.00	-17.64	peak		
4		45.2145	10.01	11.47	21.48	40.00	-18.52	peak		
5	*	85.3210	14.13	9.13	23.26	40.00	-16.74	peak		
6		250.9772	6.08	13.70	19.78	46.00	-26.22	peak		

*:Maximum data x:Over limit !:over margin

Prüfbericht - Nr.:

16069377 001

Test Report No.

Seite 4 von 60

Page 4 of 60

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Radiated Emission Measurement

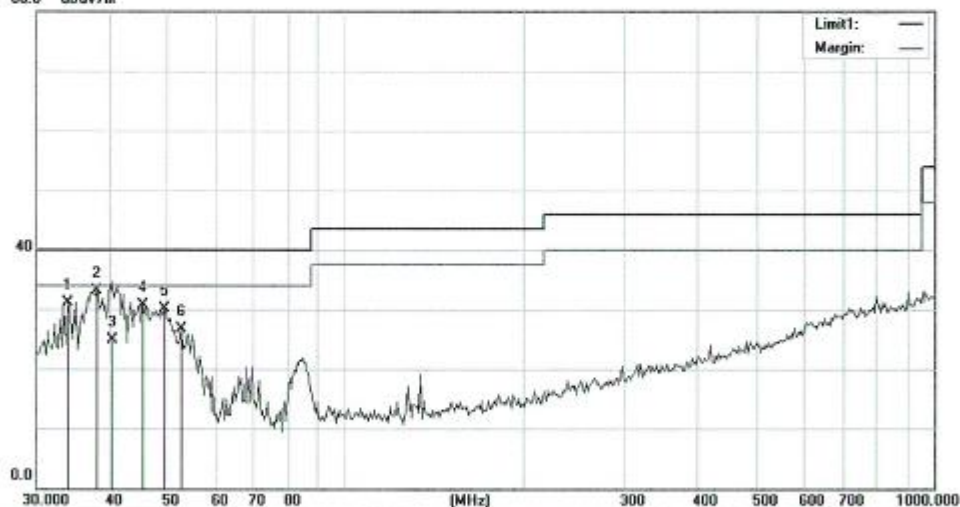
File :20150716TUV租场

Data :#49

Date: 2015-9-24

Time: 19:47:01

80.0 dBuV/m



Site Chamber #1

Limit: (RE)FCC PART 15 class B 3m

EUT: Bluetooth Rock Speaker

M/N: ITSBO-358P

Mode: GFSK-2441

Note:

Polarization: **Vertical**

Power: AC 120V/60Hz

Distance: 3m

Temperature: 23.2

Humidity: 56.0 %

Test Result: Pass

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree degree	Comment
1		33.9479	14.06	17.03	31.09	40.00	-8.91	peak		
2	*	37.9859	18.53	14.55	33.08	40.00	-6.92	peak		
3		40.4081	11.74	13.16	24.90	40.00	-15.10	QP		
4		45.4694	19.39	11.37	30.76	40.00	-9.24	peak		
5		49.4683	20.08	9.93	30.01	40.00	-9.99	peak		
6		52.6226	17.45	9.29	26.74	40.00	-13.26	peak		

*:Maximum data x:Over limit !:over margin

Prüfbericht - Nr.:

16069377 001

Test Report No.

Seite 5 von 60

Page 5 of 60

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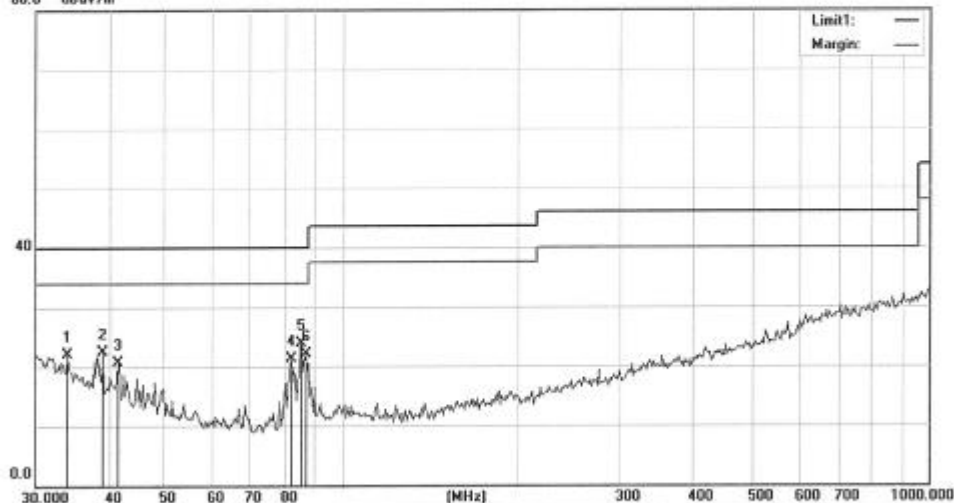
File :20150716TUV租场

Data :#52

Date: 2015-9-24

Time: 19:54:36

00.0 dBuV/m



Site Chamber #1

Limit: (RE)FCC PART 15 class B 3m

EUT: Bluetooth Rock Speaker

M/N: ITSBO-358P

Mode: GFSK-2480

Note:

Polarization: **Horizontal**

Power: AC 120V/60Hz

Distance: 3m

Temperature: 23.2

Humidity: 56.0 %

Test Result: **Pass**

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree degree	Comment
1		33.9479	5.13	17.03	22.16	40.00	-17.84	peak		
2		39.0684	8.59	13.88	22.47	40.00	-17.53	peak		
3		41.5596	7.90	12.77	20.67	40.00	-19.33	peak		
4		82.0300	12.49	8.78	21.27	40.00	-18.73	peak		
5	*	85.3210	14.76	9.13	23.89	40.00	-16.11	peak		
6		86.7716	12.87	9.29	22.16	40.00	-17.84	peak		

*:Maximum data x:Over limit !:over margin

Prüfbericht - Nr.:

16069377 001

Test Report No.

Seite 6 von 60

Page 6 of 60

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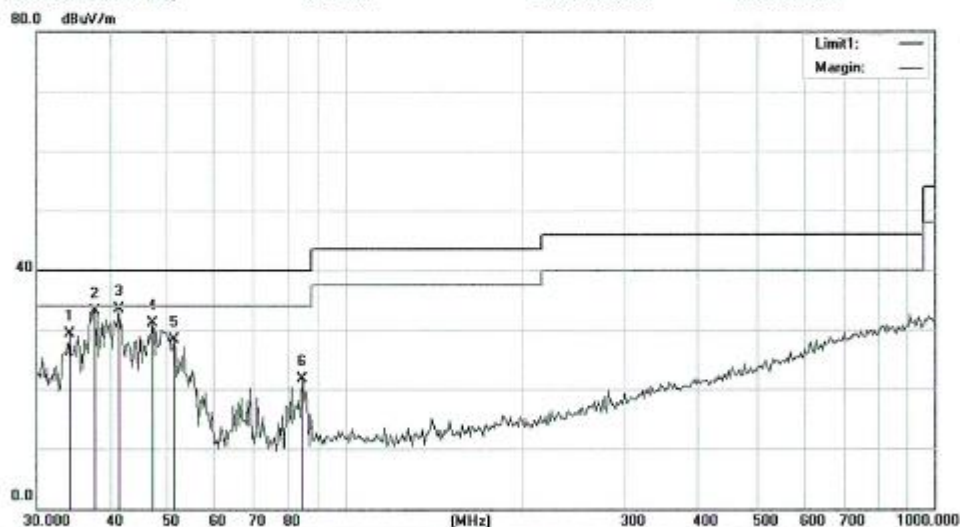
Radiated Emission Measurement

File :20150716TUV租场

Data :#51

Date: 2015-9-24

Time: 19:53:04



Site Chamber #1

Limit: (RE)FCC PART 15 class B 3m

EUT: Bluetooth Rock Speaker

M/N: ITSBO-358P

Mode: GFSK-2480

Note:

Polarization: **Vertical**

Power: AC 120V/60Hz

Distance: 3m

Temperature: 23.2

Humidity: 56.0 %

Test Result: Pass

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		34.1392	12.38	16.92	29.30	40.00	-10.70	peak			
2		37.5614	18.40	14.80	33.20	40.00	-6.80	peak			
3	*	41.3267	20.62	12.86	33.48	40.00	-6.52	peak			
4		47.0286	20.26	10.80	31.06	40.00	-8.94	peak			
5		51.1646	18.83	9.53	28.36	40.00	-11.64	peak			
6		84.3675	12.64	9.03	21.67	40.00	-18.33	peak			

*:Maximum data x:Over limit !:over margin

Prüfbericht - Nr.:

16069377 001

Test Report No.

Seite 7 von 60

Page 7 of 60

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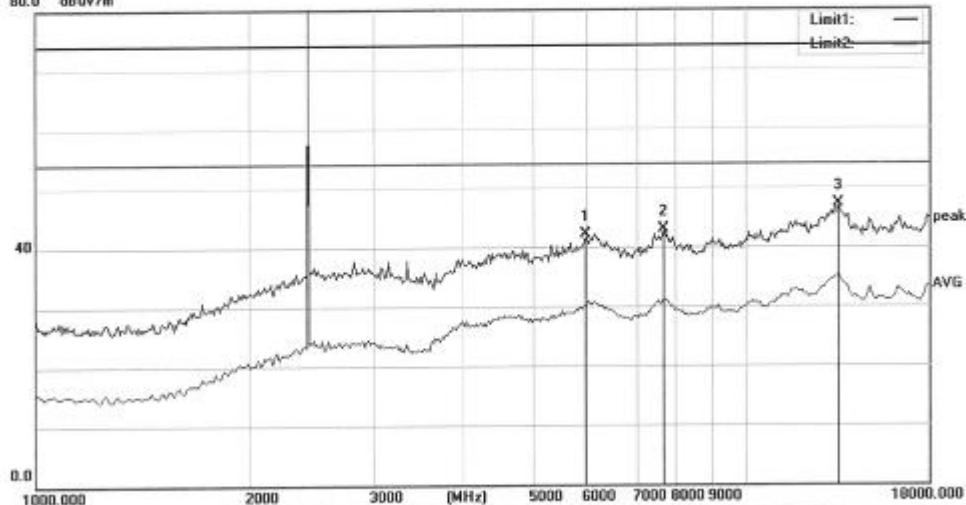
File :20150716TUV租场

Data :#54

Date: 2015-9-24

Time: 20:08:51

80.0 dBuV/m



Site Chamber #1

Limit: (RE)FCC PART 15 class B 3m_PEAK

EUT: Bluetooth Rock Speaker

M/N: ITSBO-358P

Mode: GFSK-2402

Note:

Polarization: **Horizontal**

Power: AC 120V/60Hz

Distance: 3m

Temperature: 23.2

Humidity: 56.0 %

Test Result: Pass

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree degree	Comment
1		5949.590	29.38	12.81	42.19	74.00	-31.81	peak		
2		7675.878	28.71	14.13	42.84	74.00	-31.16	peak		
3	*	13382.17	26.85	20.18	47.03	74.00	-26.97	peak		

*:Maximum data x:Over limit !:over margin

File :20150716TUV租场Data :#54

Page: 1

Prüfbericht - Nr.:

16069377 001

Test Report No.

Seite 8 von 60

Page 8 of 60

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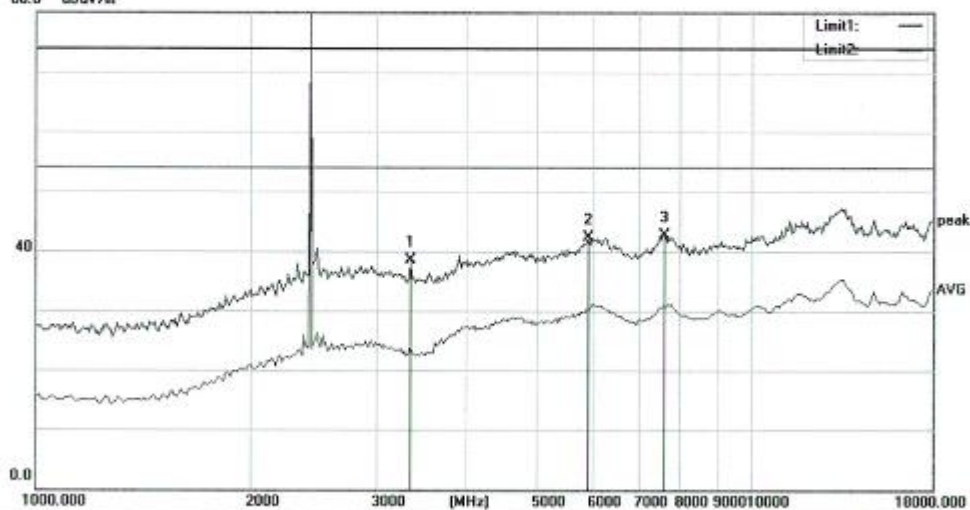
File :20150716TUV租场

Data :#53

Date: 2015-8-24

Time: 20:07:50

80.0 dBuV/m



Site Chamber #1

Limit: (RE)FCC PART 15 class B 3m_PEAK

EUT: Bluetooth Rock Speaker

M/N: ITSBO-358P

Mode: GFSK-2402

Note:

Polarization: **Vertical**

Power: AC 120V/60Hz

Distance: 3m

Temperature: 23.2

Humidity: 56.0 %

Test Result: Pass

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		3334.496	31.06	7.47	38.53	74.00	-35.47	peak		
2		5922.095	29.47	12.80	42.27	74.00	-31.73	peak		
3	*	7569.951	28.57	14.18	42.75	74.00	-31.25	peak		

*:Maximum data x:Over limit :over margin

File :20150716TUV租场Data :#53

Page: 1

Prüfbericht - Nr.:

16069377 001

Test Report No.

Seite 9 von 60

Page 9 of 60

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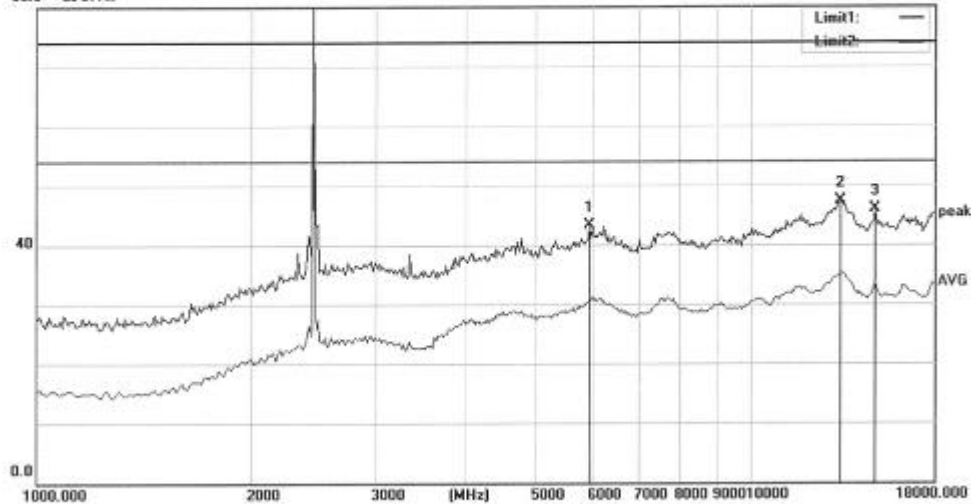
File :20150716TUV租场

Data :#55

Date: 2015-9-24

Time: 20:13:33

80.0 dBuV/m



Site Chamber #1

Limit: (RE)FCC PART 15 class B 3m_PEAK

EUT: Bluetooth Rock Speaker

M/N: ITSBO-358P

Mode: GFSK-2441

Note:

Polarization: **Horizontal**

Power: AC 120V/60Hz

Distance: 3m

Temperature: 23.2

Humidity: 56.0 %

Test Result: Pass

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		5949.590	30.53	12.81	43.34	74.00	-30.66	peak		
2	*	13320.32	27.11	20.11	47.22	74.00	-26.78	peak		
3		14886.57	28.55	17.34	45.89	74.00	-28.11	peak		

*:Maximum data x:Over limit :over margin

Prüfbericht - Nr.:

16069377 001

Test Report No.

Seite 10 von 60

Page 10 of 60

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Radiated Emission Measurement

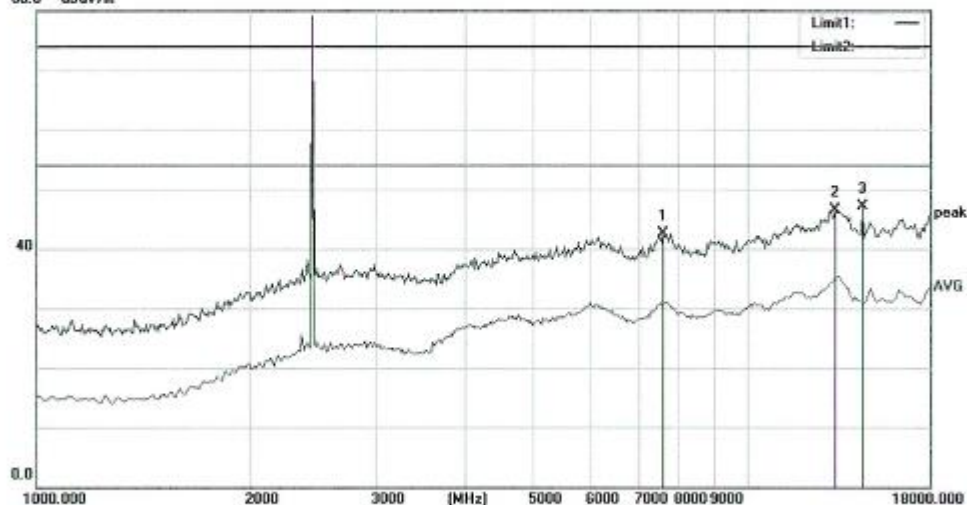
File :20150716TUV租场

Data :#56

Date: 2015-9-24

Time: 20:14:49

90.0 dBuV/m



Site Chamber #1

Polarization: **Vertical**

Temperature: 23.2

Limit: (RE)FCC PART 15 class B 3m_PEAK

Power: AC 120V/60Hz

Humidity: 56.0 %

EUT: Bluetooth Rock Speaker

Distance: 3m

Test Result: Pass

M/N: ITSBO-358P

Mode: GFSK-2441

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree degree	Comment
1		7605.097	28.41	14.17	42.58	74.00	-31.42	peak		
2		13258.77	26.52	20.05	46.57	74.00	-27.43	peak		
3	*	14478.53	29.92	17.16	47.08	74.00	-26.92	peak		

*:Maximum data x:Over limit !:over margin

File :20150716TUV租场Data :#56

Page: 1

Prüfbericht - Nr.:

16069377 001

Test Report No.

Seite 11 von 60

Page 11 of 60

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Radiated Emission Measurement

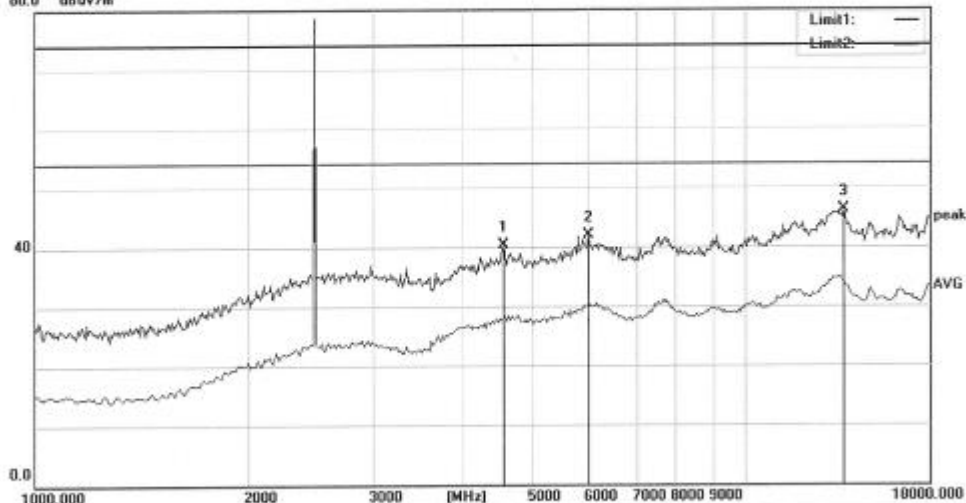
File :20150716TUV租场

Data :#58

Date: 2015-9-24

Time: 20:21:08

80.0 dBuV/m



Site Chamber #1

Limit: (RE)FCC PART 15 class B 3m_PEAK

EUT: Bluetooth Rock Speaker

M/N: ITSBO-358P

Mode: GFSK-2480

Note:

Polarization: **Horizontal**

Power: AC 120V/60Hz

Distance: 3m

Temperature: 23.2

Humidity: 56.0 %

Test Result: Pass

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		4547.902	30.08	10.31	40.39	74.00	-33.61	peak		
2		6004.963	29.04	12.83	41.87	74.00	-32.13	peak		
3	*	13632.42	26.40	19.73	46.13	74.00	-27.87	peak		

*:Maximum data x:Over limit !:over margin

Prüfbericht - Nr.:

16069377 001

Test Report No.

Seite 12 von 60

Page 12 of 60

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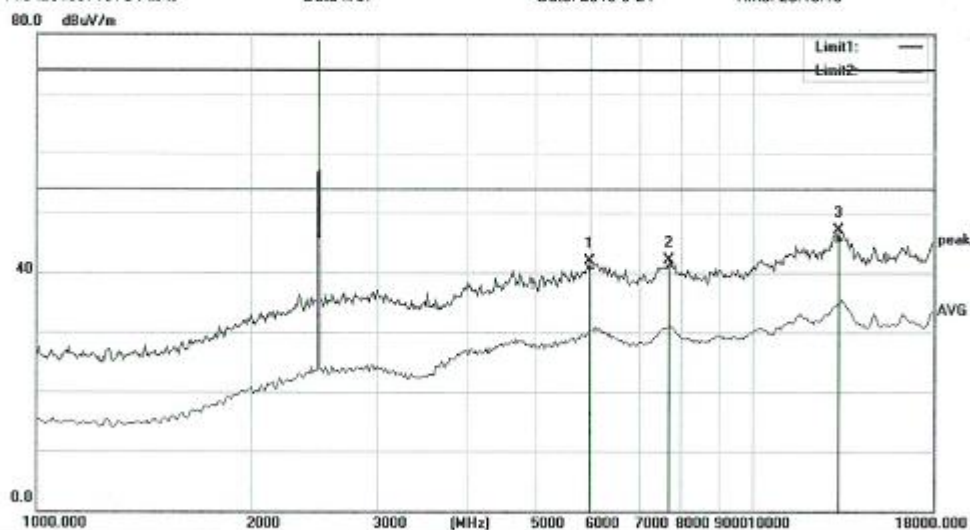
Radiated Emission Measurement

File :20150716TUV租场

Data :#57

Date: 2015-9-24

Time: 20:18:13



Site Chamber #1

Limit: (RE)FCC PART 15 class B 3m_PEAK

EUT: Bluetooth Rock Speaker

M/N: ITSBO-358P

Mode: GFSK-2480

Note:

Polarization: **Vertical**

Power: AC 120V/60Hz

Distance: 3m

Temperature: 23.2

Humidity: 56.0 %

Test Result: Pass

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		5949.590	29.03	12.81	41.84	74.00	-32.16	peak		
2		7675.878	28.06	14.13	42.19	74.00	-31.81	peak		
3	*	13258.77	27.02	20.05	47.07	74.00	-26.93	peak		

*:Maximum data x:Over limit !:over margin

Prüfbericht - Nr.:

16069377 001

Test Report No.

Seite 13 von 60

Page 13 of 60

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Radiated Emission Measurement

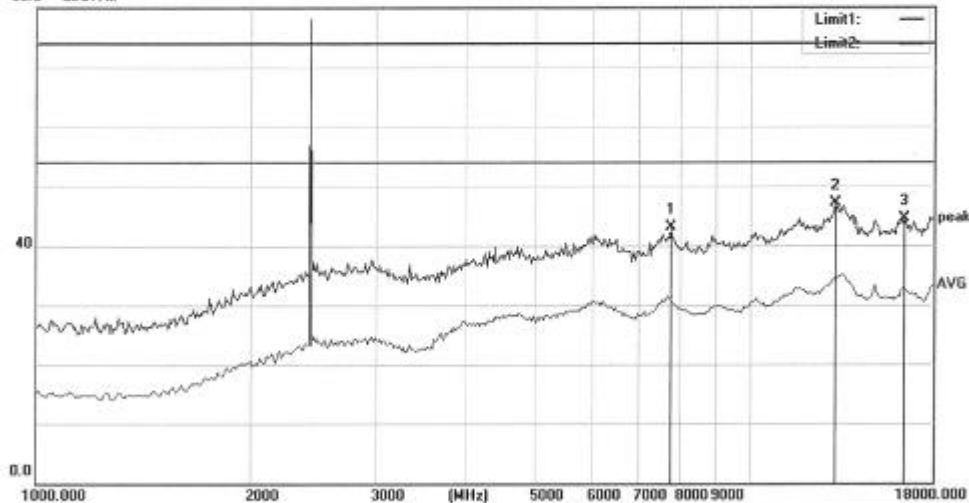
File :20150716TUV租场

Data :#59

Date: 2015-9-24

Time: 20:24:00

80.0 dBuV/m



Site Chamber #1

Limit: (RE)FCC PART 15 class B 3m_PEAK

EUT: Bluetooth Rock Speaker

M/N: ITSBO-358P

Mode: 8DPSK-2402

Note:

Polarization: **Horizontal**

Power: AC 120V/60Hz

Distance: 3m

Temperature: 23.2

Humidity: 56.0 %

Test Result: Pass

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree degree	Comment
1		7747.318	28.93	14.09	43.02	74.00	-30.98	peak		
2	*	13075.80	27.28	19.85	47.13	74.00	-26.87	peak		
3		16407.38	26.51	18.05	44.56	74.00	-29.44	peak		

*:Maximum data x:Over limit !:over margin

Prüfbericht - Nr.:

16069377 001

Test Report No.

Seite 14 von 60

Page 14 of 60



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Radiated Emission Measurement

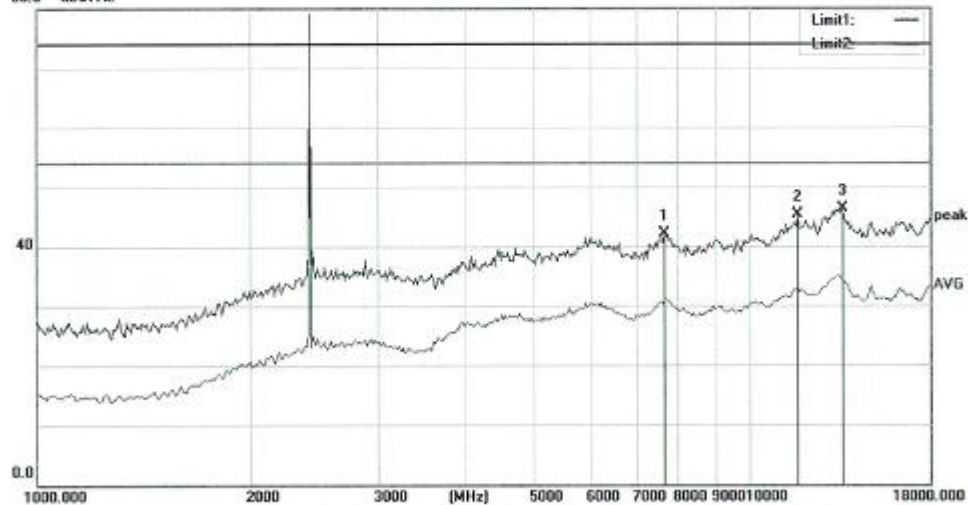
File :20150716TUV租场

Data :#60

Date: 2015-9-24

Time: 20:25:23

80.0 dBuV/m



Site Chamber #1

Polarization: **Vertical**

Temperature: 23.2

Limit: (RE)FCC PART 15 class B 3m_PEAK

Power: AC 120V/60Hz

Humidity: 56.0 %

EUT: Bluetooth Rock Speaker

Distance: 3m

Test Result: Pass

M/N: ITSBO-358P

Mode: 8DPSK-2402

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degrees
1		7640.405	28.02	14.15	42.17	74.00	-31.83	peak		
2		11700.07	27.88	17.41	45.29	74.00	-28.71	peak		
3	*	13569.42	26.24	20.01	46.25	74.00	-27.75	peak		

*:Maximum data x:Over limit !:over margin

Prüfbericht - Nr.:

16069377 001

Test Report No.

Seite 15 von 60

Page 15 of 60

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Radiated Emission Measurement

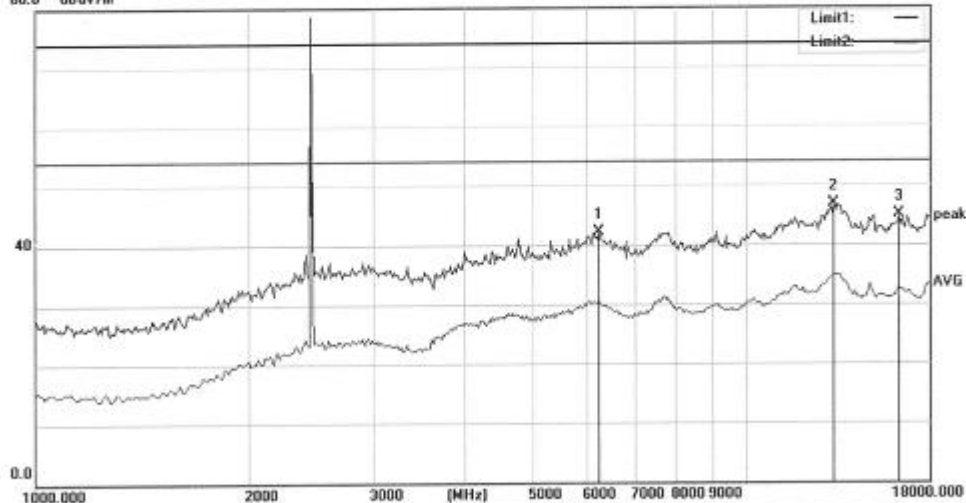
File :20150716TUV租场

Data :#62

Date: 2015-9-24

Time: 20:28:30

80.0 dBuV/m



Site Chamber #1

Limit: (RE)FCC PART 15 class B 3m_PEAK

EUT: Bluetooth Rock Speaker

M/N: ITSBO-358P

Mode: 8DPSK-2441

Note:

Polarization: **Horizontal**

Power: AC 120V/60Hz

Distance: 3m

Temperature: 23.2

Humidity: 56.0 %

Test Result: Pass

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		6202.859	29.12	13.02	42.14	74.00	-31.86	peak		
2	*	13197.49	26.75	19.98	46.73	74.00	-27.27	peak		
3		16331.56	27.01	17.92	44.93	74.00	-29.07	peak		

*:Maximum data x:Over limit !:over margin

Prüfbericht - Nr.:

16069377 001

Test Report No.

Seite 16 von 60

Page 16 of 60

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Radiated Emission Measurement

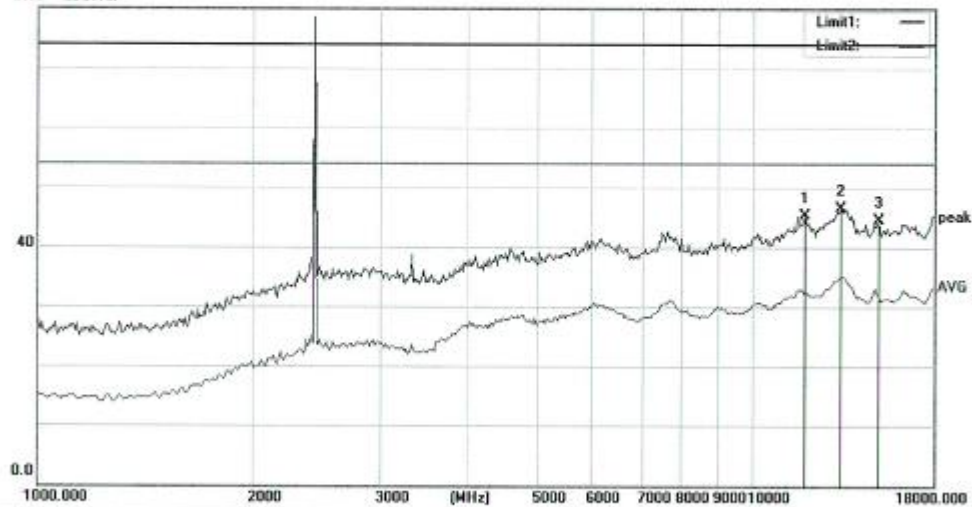
File :20150716TUV租场

Data :#61

Date: 2015-9-24

Time: 20:26:57

80.0 dBuV/m



Site Chamber #1

Limit: (RE)FCC PART 15 class B 3m_PEAK

EUT: Bluetooth Rock Speaker

M/N: ITSBO-358P

Mode: 8DPSK-2441

Note:

Polarization: **Vertical**

Power: AC 120V/60Hz

Distance: 3m

Temperature: 23.2

Humidity: 56.0 %

Test Result: Pass

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		11863.79	27.88	17.42	45.30	74.00	-28.70	peak			
2	*	13320.32	26.38	20.11	46.49	74.00	-27.51	peak			
3		15025.12	26.99	17.43	44.42	74.00	-29.58	peak			

*:Maximum data x:Over limit l:over margin

File :20150716TUV租场Data :#61

Page: 1

Prüfbericht - Nr.:

16069377 001

Test Report No.

Seite 17 von 60

Page 17 of 60

GRGTEST

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Http://www.grgtest.com

Radiated Emission Measurement

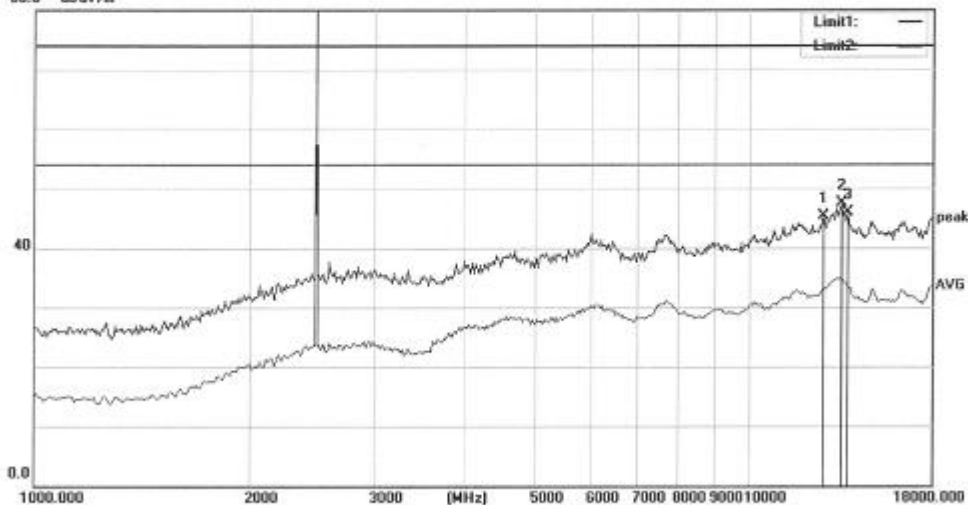
File :20150716TUV租场

Data :#63

Date: 2015-9-24

Time: 20:30:01

80.0 dBuV/m



Site Chamber #1

Polarization: **Horizontal**

Temperature: 23.2

Limit: (RE)FCC PART 15 class B 3m_PEAK

Power: AC 120V/60Hz

Humidity: 56.0 %

EUT: Bluetooth Rock Speaker

Distance: 3m

Test Result: Pass

M/N: ITSBO-358P

Mode: 8DPSK-2480

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree degree	Comment
1		12717.40	26.67	18.72	45.39	74.00	-28.61	peak		
2	*	13444.30	27.17	20.25	47.42	74.00	-26.58	peak		
3		13695.72	26.42	19.46	45.88	74.00	-28.12	peak		

*:Maximum data x:Over limit !:over margin

Prüfbericht - Nr.:

16069377 001

Test Report No.

Seite 18 von 60

Page 18 of 60



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Radiated Emission Measurement

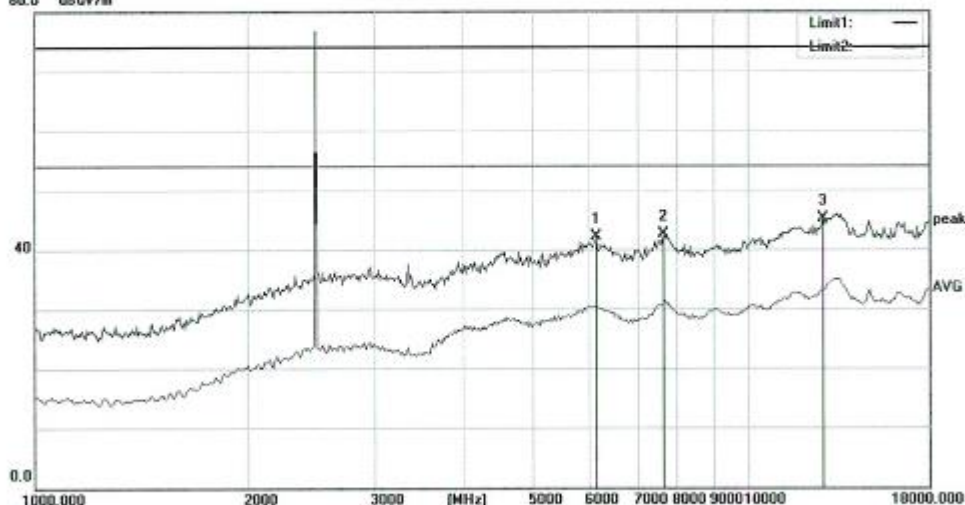
File :20150716TUV租场

Data :#64

Date: 2015-9-24

Time: 20:31:19

90.0 dBuV/m



Site Chamber #1

Limit: (RE)FCC PART 15 class B 3m_PEAK

EUT: Bluetooth Rock Speaker

M/N: ITSBO-358P

Mode: 8DPSK-2480

Note:

Polarization: **Vertical**

Power: AC 120V/60Hz

Distance: 3m

Temperature: 23.2

Humidity: 56.0 %

Test Result: Pass

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		6145.661	29.15	12.97	42.12	74.00	-31.88	peak		
2		7640.405	28.38	14.15	42.53	74.00	-31.47	peak		
3	*	12776.44	26.10	18.93	45.03	74.00	-28.97	peak		

*:Maximum data x:Over limit !:over margin

Prüfbericht - Nr.:

16069377 001

Test Report No.

Seite 19 von 60

Page 19 of 60

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Radiated Emission Measurement

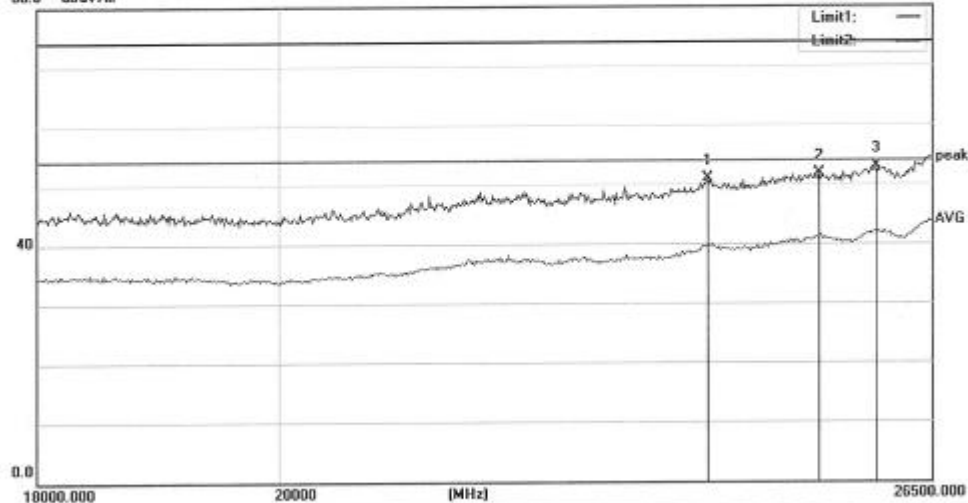
File :20150716TUV租场

Data :#66

Date: 2015-9-24

Time: 20:34:13

80.0 dBuV/m



Site Chamber #1

Limit: (RE)FCC PART 15 class B 3m_PEAK

EUT: Bluetooth Rock Speaker

M/N: ITSBO-358P

Mode: GFSK-2402

Note:

Polarization: **Horizontal**

Power: AC 120V/60Hz

Distance: 3m

Temperature: 23.2

Humidity: 56.0 %

Test Result: Pass

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		24072.52	27.66	23.25	50.91	74.00	-23.09	peak			
2		25249.29	27.58	24.22	51.80	74.00	-22.20	peak			
3	*	25867.08	28.21	24.77	52.98	74.00	-21.02	peak			

*:Maximum data x:Over limit !:over margin

Prüfbericht - Nr.:

16069377 001

Test Report No.

Seite 20 von 60

Page 20 of 60

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Radiated Emission Measurement

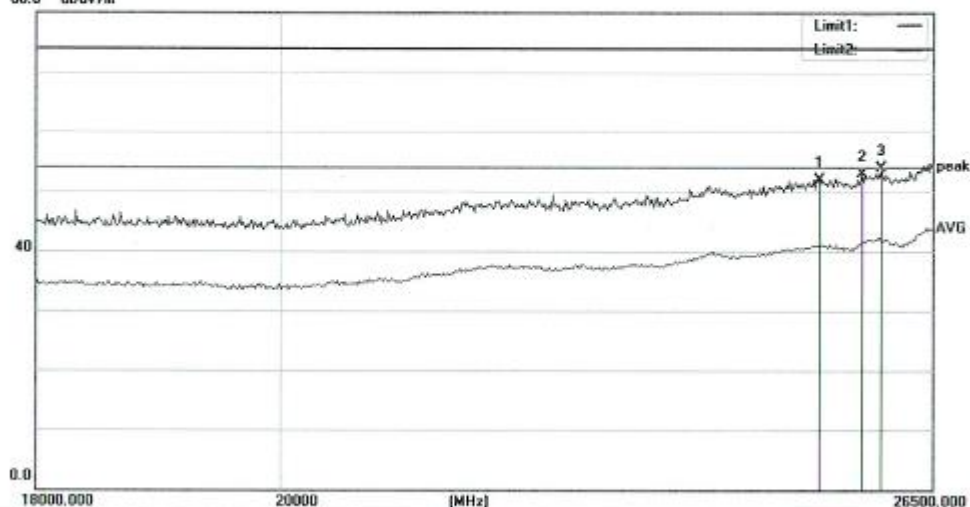
File :20150716TUV租场

Data :#65

Date: 2015-9-24

Time: 20:33:29

80.0 dBuV/m



Site Chamber #1

Limit: (RE)FCC PART 15 class B 3m_PEAK

EUT: Bluetooth Rock Speaker

M/N: ITSBO-358P

Mode: GFSK-2402

Note:

Polarization: **Vertical**

Power: AC 120V/60Hz

Distance: 3m

Temperature: 23.2

Humidity: 56.0 %

Test Result: Pass

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		25233.64	27.79	24.21	52.00	74.00	-22.00	peak		
2		25707.25	28.33	24.62	52.95	74.00	-21.05	peak		
3	*	25931.30	29.08	24.83	53.91	74.00	-20.09	peak		

*:Maximum data x:Over limit !:over margin

Prüfbericht - Nr.:

16069377 001

Test Report No.

Seite 21 von 60

Page 21 of 60

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Radiated Emission Measurement

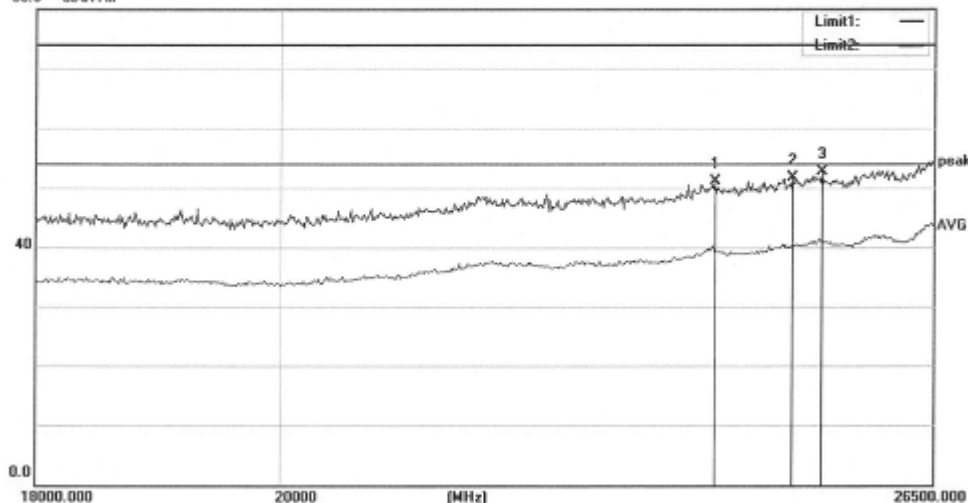
File :20150716TUV租场

Data :#67

Date: 2015-9-24

Time: 20:34:54

80.0 dBuV/m



Site Chamber #1

Limit: (RE)FCC PART 15 class B 3m_PEAK

EUT: Bluetooth Rock Speaker

M/N: ITSBO-358P

Mode: GFSK-2441

Note:

Polarization: **Horizontal**

Power: AC 120V/60Hz

Distance: 3m

Temperature: 23.2

Humidity: 56.0 %

Test Result: Pass

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		24132.28	27.80	23.31	51.11	74.00	-22.89	peak		
2		24953.68	27.81	23.96	51.77	74.00	-22.23	peak		
3	*	25264.94	28.43	24.24	52.67	74.00	-21.33	peak		

*:Maximum data x:Over limit !:over margin

Prüfbericht - Nr.:

16069377 001

Test Report No.

Seite 22 von 60

Page 22 of 60

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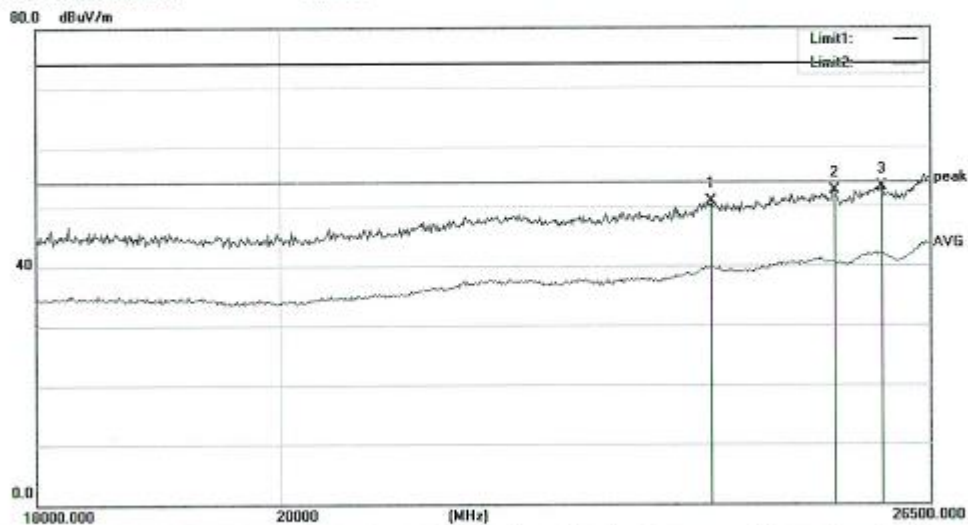
Radiated Emission Measurement

File :20150716TUV租场

Data :#68

Date: 2015-9-24

Time: 20:35:40



Site Chamber #1

Limit: (RE)FCC PART 15 class B 3m_PEAK

EUT: Bluetooth Rock Speaker

M/N: ITSBO-358P

Mode: GFSK-2441

Note:

Polarization: **Vertical**

Power: AC 120V/60Hz

Distance: 3m

Temperature: 23.2

Humidity: 56.0 %

Test Result: Pass

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		24102.38	27.50	23.28	50.78	74.00	-23.22	peak		
2		25437.79	28.20	24.38	52.58	74.00	-21.42	peak		
3	*	25963.46	28.18	24.86	53.04	74.00	-20.96	peak		

*:Maximum data x:Over limit !:over margin

Prüfbericht - Nr.:

16069377 001

Test Report No.

Seite 23 von 60

Page 23 of 60



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Radiated Emission Measurement

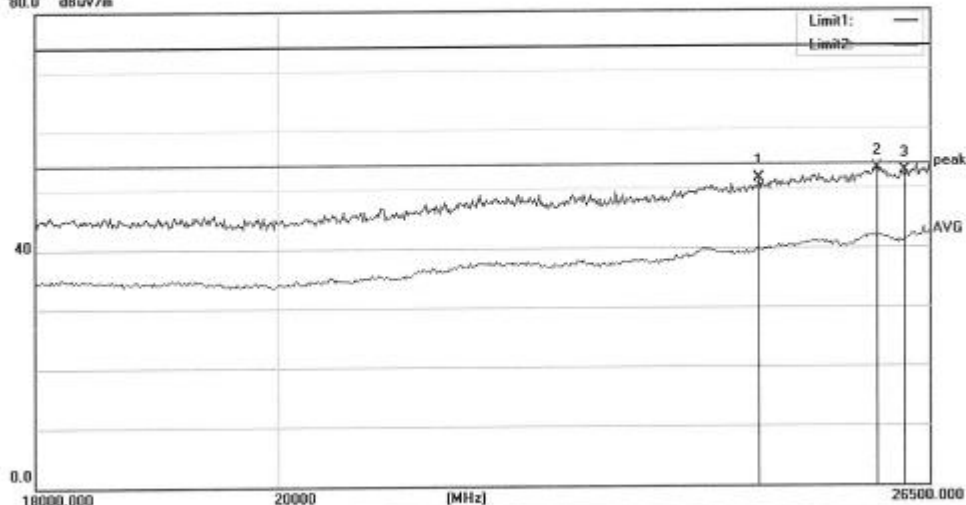
File :20150716TUV租场

Data :#70

Date: 2015-9-24

Time: 20:37:31

80.0 dBuV/m



Site Chamber #1

Limit: (RE)FCC PART 15 class B 3m_PEAK

EUT: Bluetooth Rock Speaker

M/N: ITSBO-358P

Mode: GFSK-2480

Note:

Polarization: **Horizontal**

Power: AC 120V/60Hz

Distance: 3m

Temperature: 23.2

Humidity: 56.0 %

Test Result: Pass

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		24630.97	27.75	23.71	51.46	74.00	-22.54	peak		
2	*	25915.23	28.39	24.81	53.20	74.00	-20.80	peak		
3		26222.23	27.50	25.13	52.63	74.00	-21.37	peak		

*:Maximum data x:Over limit !:over margin

Prüfbericht - Nr.:

16069377 001

Test Report No.

Seite 24 von 60

Page 24 of 60

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Radiated Emission Measurement

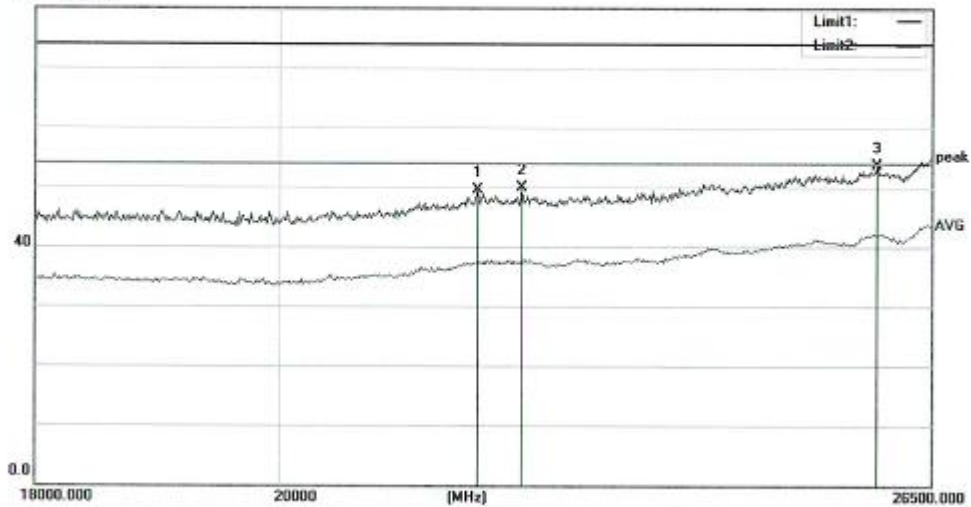
File :20150716TUV租场

Data :#69

Date: 2015-9-24

Time: 20:38:37

90.0 dBuV/m



Site Chamber #1

Limit: (RE)FCC PART 15 class B 3m_PEAK

EUT: Bluetooth Rock Speaker

M/N: ITSBO-358P

Mode: GFSK-2480

Note:

Polarization: **Vertical**

Power: AC 120V/60Hz

Distance: 3m

Temperature: 23.2

Humidity: 56.0 %

Test Result: Pass

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		21786.24	28.40	21.14	49.54	74.00	-24.46	peak		
2		22208.91	28.37	21.49	49.86	74.00	-24.14	peak		
3	*	25883.12	28.83	24.78	53.61	74.00	-20.39	peak		

*:Maximum data x:Over limit l:over margin

File :20150716TUV租场Data :#69

Page: 1

Prüfbericht - Nr.:

16069377 001

Test Report No.

Seite 25 von 60

Page 25 of 60

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Radiated Emission Measurement

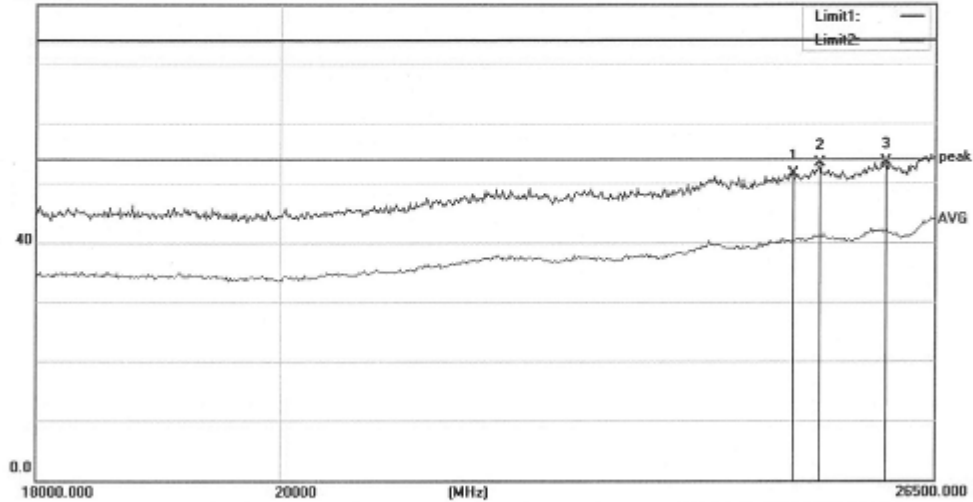
File :20150716TUV租场

Data :#71

Date: 2015-9-24

Time: 20:38:42

00.0 dBuV/m



Site Chamber #1

Limit: (RE)FCC PART 15 class B 3m_PEAK

EUT: Bluetooth Rock Speaker

M/N: ITSBO-358P

Mode: 8DPSK-2402

Note:

Polarization: **Horizontal**

Power: AC 120V/60Hz

Distance: 3m

Temperature: 23.2

Humidity: 56.0 %

Test Result: Pass

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		24953.68	27.45	23.96	51.41	74.00	-22.59	peak		
2		25233.64	29.08	24.21	53.29	74.00	-20.71	peak		
3	*	25947.37	28.75	24.84	53.59	74.00	-20.41	peak		

*:Maximum data x:Over limit !:over margin

Prüfbericht - Nr.:

16069377 001

Test Report No.

Seite 26 von 60

Page 26 of 60

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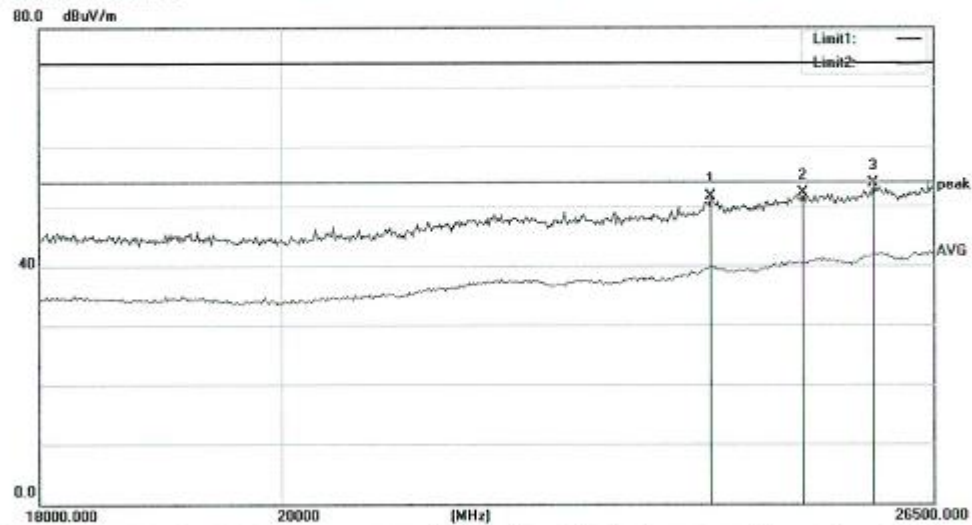
Radiated Emission Measurement

File :20150716TUV租场

Data :#72

Date: 2015-9-24

Time: 20:39:33



Site Chamber #1

Limit: (RE)FCC PART 15 class B 3m_PEAK

EUT: Bluetooth Rock Speaker

M/N: ITSBO-358P

Mode: 8DPSK-2402

Note:

Polarization: **Vertical**

Power: AC 120V/60Hz

Distance: 3m

Temperature: 23.2

Humidity: 56.0 %

Test Result: Pass

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		24072.52	28.26	23.25	51.51	74.00	-22.49	peak		
2		25062.18	27.95	24.06	52.01	74.00	-21.99	peak		
3	*	25835.04	28.94	24.74	53.68	74.00	-20.32	peak		

*:Maximum data x:Over limit !:over margin

Prüfbericht - Nr.:

16069377 001

Test Report No.

Seite 27 von 60

Page 27 of 60

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Radiated Emission Measurement

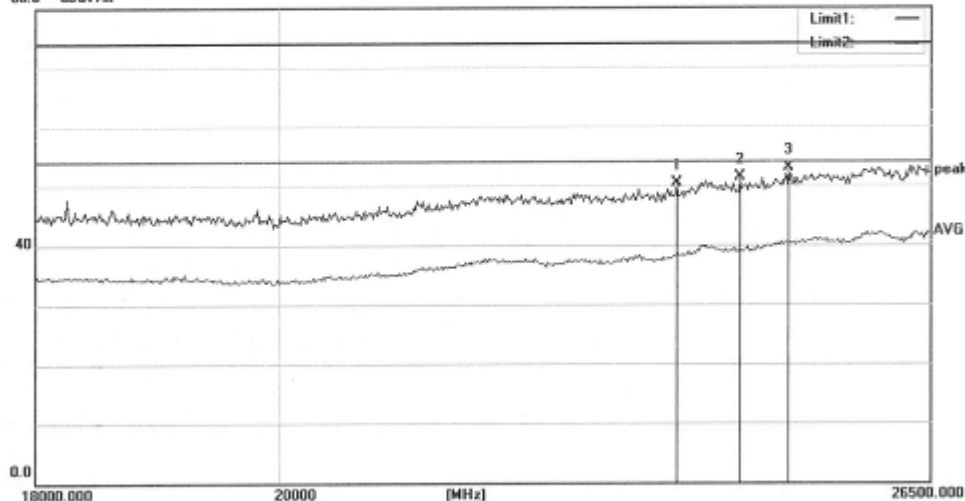
File :20150716TUV租场

Data :#74

Date: 2015-9-24

Time: 20:40:59

80.0 dBuV/m



Site Chamber #1

Limit: (RE)FCC PART 15 class B 3m_PEAK

EUT: Bluetooth Rock Speaker

M/N: ITSBO-358P

Mode: 8DPSK-2441

Note:

Polarization: **Horizontal**

Power: AC 120V/60Hz

Distance: 3m

Temperature: 23.2

Humidity: 56.0 %

Test Result: Pass

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		23761.22	27.26	22.96	50.22	74.00	-23.78	peak		
2		24418.16	27.70	23.53	51.23	74.00	-22.77	peak		
3	*	24938.21	29.04	23.95	52.99	74.00	-21.01	peak		

*:Maximum data x:Over limit !:over margin

Prüfbericht - Nr.:

16069377 001

Test Report No.

Seite 28 von 60

Page 28 of 60

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Radiated Emission Measurement

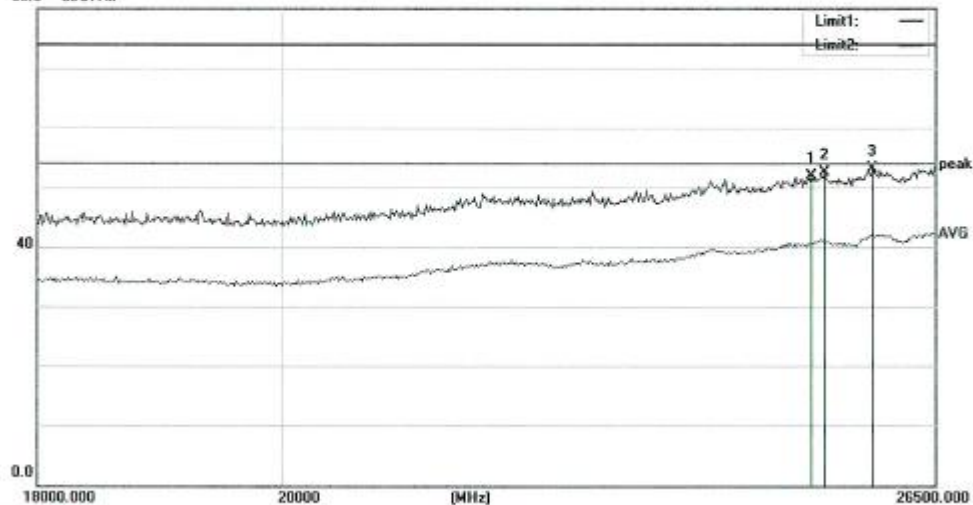
File :20150716TUV租场

Data :#73

Date: 2015-9-24

Time: 20:40:20

80.0 dBuV/m



Site Chamber #1

Limit: (RE)FCC PART 15 class B 3m_PEAK

EUT: Bluetooth Rock Speaker

M/N: ITSBO-358P

Mode: 8DPSK-2441

Note:

Polarization: **Vertical**

Power: AC 120V/60Hz

Distance: 3m

Temperature: 23.2

Humidity: 56.0 %

Test Result: Pass

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		25139.97	27.77	24.12	51.89	74.00	-22.11	peak			
2		25280.61	28.28	24.25	52.53	74.00	-21.47	peak			
3	*	25803.03	28.31	24.71	53.02	74.00	-20.98	peak			

*:Maximum data x:Over limit !:over margin

Prüfbericht - Nr.:

16069377 001

Test Report No.

Seite 29 von 60

Page 29 of 60

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Radiated Emission Measurement

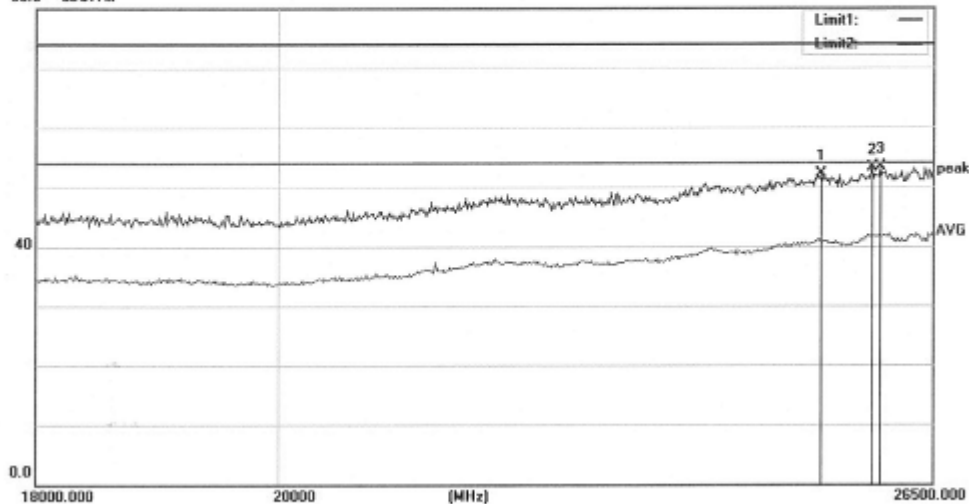
File :20150716TUV租场

Data :#75

Date: 2015-9-24

Time: 20:41:41

80.0 dBuV/m



Site Chamber #1

Polarization: **Horizontal**

Temperature: 23.2

Limit: (RE)FCC PART 15 class B 3m_PEAK

Power: AC 120V/60Hz

Humidity: 56.0 %

EUT: Bluetooth Rock Speaker

Distance: 3m

Test Result: Pass

M/N: ITSBO-358P

Mode: 8DPSK-2480

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree degree	Comment
1		25249.29	27.83	24.22	52.05	74.00	-21.95	peak		
2		25819.03	28.45	24.73	53.18	74.00	-20.82	peak		
3	*	25915.23	28.48	24.81	53.29	74.00	-20.71	peak		

*:Maximum data x:Over limit !:over margin

Prüfbericht - Nr.:

16069377 001

Test Report No.

Seite 30 von 60

Page 30 of 60



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Radiated Emission Measurement

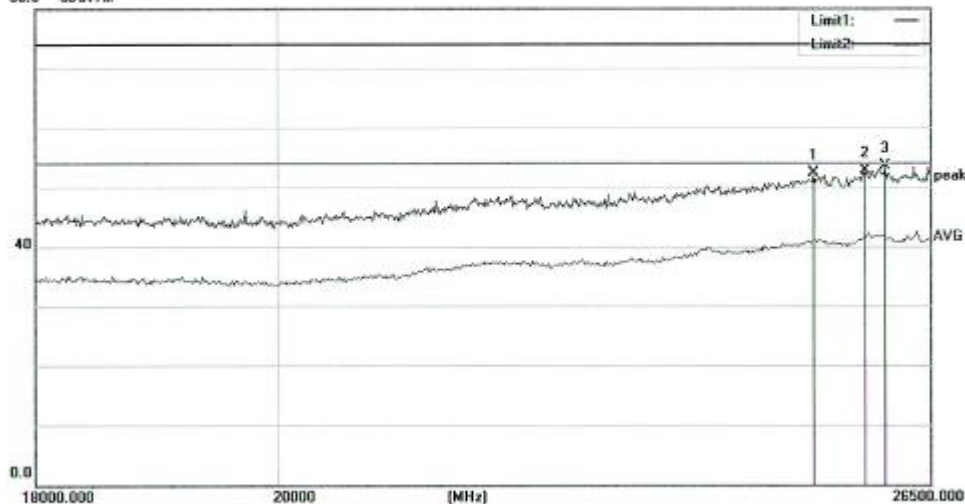
File :20150716TUV租场

Data :#76

Date: 2015-9-24

Time: 20:42:32

90.0 dBuV/m



Site Chamber #1

Polarization: **Vertical**

Temperature: 23.2

Limit: (RE)FCC PART 15 class B 3m_PEAK

Power: AC 120V/60Hz

Humidity: 56.0 %

EUT: Bluetooth Rock Speaker

Distance: 3m

Test Result: Pass

M/N: ITSBO-358P

Mode: 8DPSK-2480

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB/m	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree degree	Comment
1		25202.38	28.04	24.18	52.22	74.00	-21.78	peak		
2		25771.06	27.98	24.68	52.66	74.00	-21.34	peak		
3	*	25995.67	28.64	24.89	53.53	74.00	-20.47	peak		

*:Maximum data x:Over limit !:over margin

Prüfbericht - Nr.:

16069377 001

Seite 31 von 60

Test Report No.

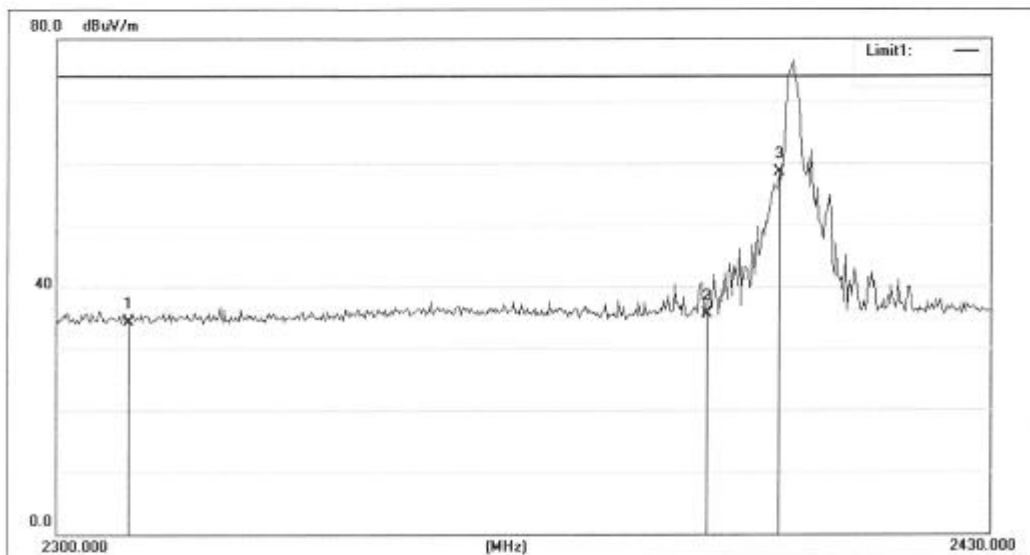
Page 31 of 60

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Http://www.grgtest.com

Project No.:	E201507088557	Polarization:	Vertical
Standard:	(RE)FCC PART 15 class B 3m_PEAK	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	2015-7-16
Temp./Hum.(%RH):	21.5/54%RH	Time:	18:36:53
EUT:	Bluetooth Rock Speaker	Distance:	3m
Model:	ITSBO-358P 8dpsk LCH	Test Result:	Pass
Note:			



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2310.000	27.33	6.94	34.27	74.00	-39.73	peak
2	2390.000	28.03	7.41	35.44	74.00	-38.56	peak
3	2400.000	51.14	7.46	58.60	74.00	-15.40	peak

Prüfbericht - Nr.:

16069377 001

Seite 32 von 60

Test Report No.

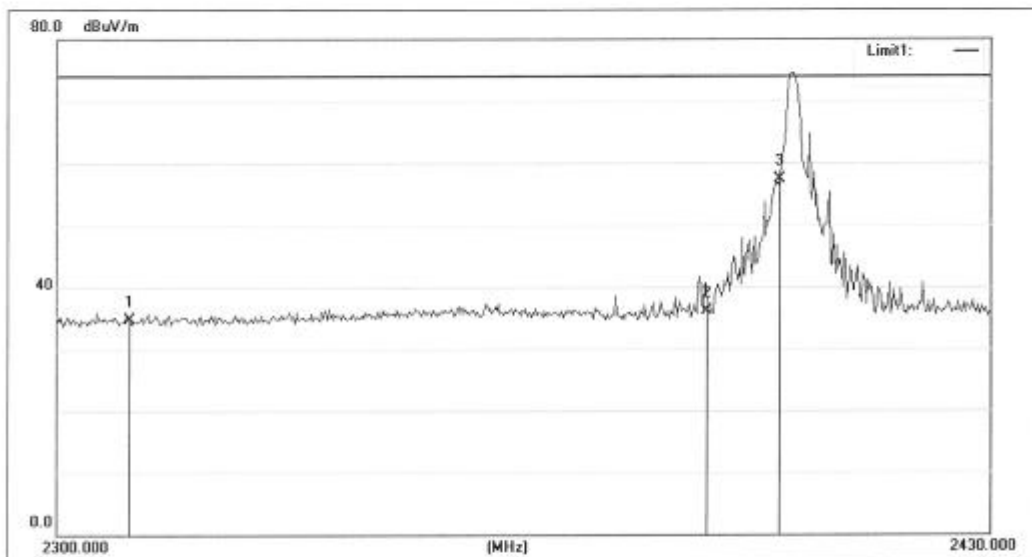
Page 32 of 60

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Project No.:	E201507088557	Polarization:	Horizontal
Standard:	(RE)FCC PART 15 class B 3m PEAK	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	2015-7-16
Temp./Hum. (%RH):	21.5/54% RH	Time:	18:39:33
EUT:	Bluetooth Rock Speaker	Distance:	3m
Model:	ITSBO-358P 8DPSK LowCH	Test Result:	Pass
Note:			



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2310.000	27.86	6.94	34.80	74.00	-39.20	peak
2	2390.000	28.70	7.41	36.11	74.00	-37.89	peak
3	2400.000	49.81	7.46	57.27	74.00	-16.73	peak

Prüfbericht - Nr.:

16069377 001

Seite 33 von 60

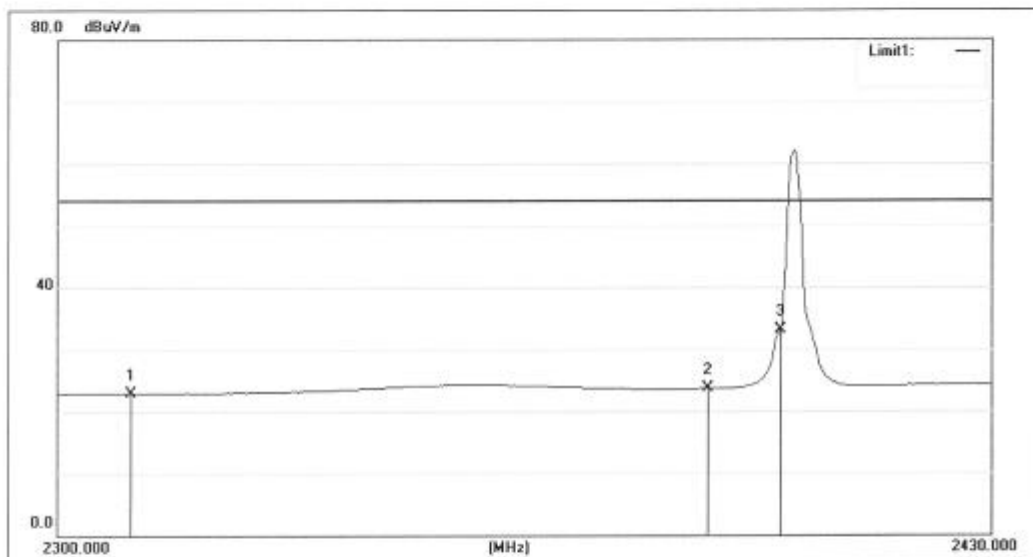
Test Report No.

Page 33 of 60

GUANGZHOU GRG METEROLOGY & TEST TECHNOLOGY

Tel (86)020-38699960
Http://www.grgtest.com

Project No.:	E201507088557	Polarization:	Horizontal
Standard:	(RE)FCC PART 15 class B 3m_AVG	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	2015-7-16
Temp./Hum.(%RH):	21.5/54%RH	Time:	18:41:02
EUT:	Bluetooth Rock Speaker	Distance:	3m
Model:	ITSBO-358P 8dpsk Low CH	Test Result:	Pass
Note:			



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2310.000	15.97	6.94	22.91	54.00	-31.09	AVG
2	2390.000	16.21	7.41	23.62	54.00	-30.38	AVG
3	2400.000	25.64	7.46	33.10	54.00	-20.90	AVG

Prüfbericht - Nr.:

16069377 001

Seite 34 von 60

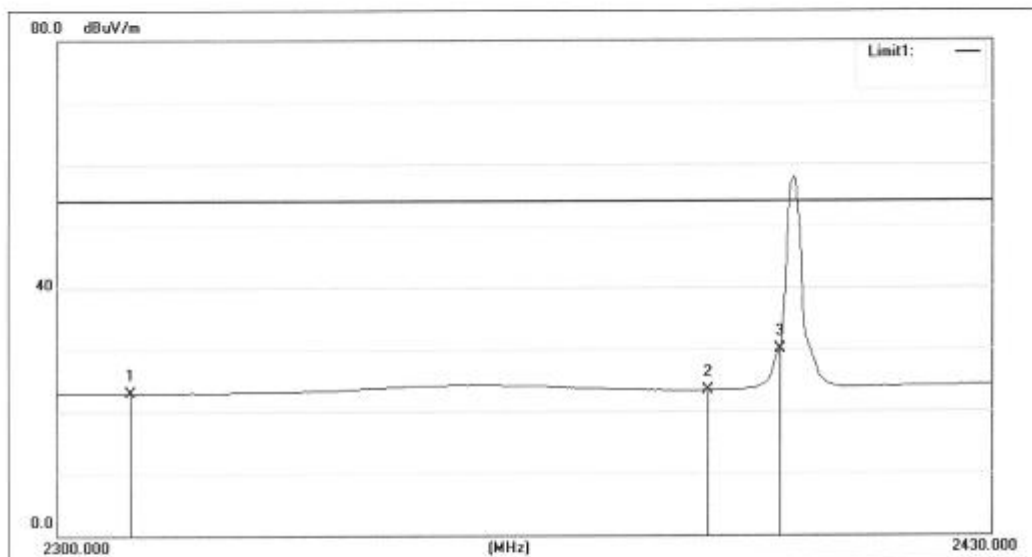
Test Report No.

Page 34 of 60

GUANGZHOU GRG METEROLOGY & TEST TECHNOLOGY

Tel (86)020-38699960
Http://www.grgtest.com

Project No.:	E201507088557	Polarization:	Vertical
Standard:	(RE)FCC PART 15 class B 3m_AVG	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	2015-7-16
Temp./Hum.(%RH):	21.5/54%RH	Time:	18:42:53
EUT:	Bluetooth Rock Speaker	Distance:	3m
Model:	ITSBO-358P <i>8PPSK Low CH</i>	Test Result:	Pass
Note:			



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2310.000	15.98	6.94	22.92	54.00	-31.08	AVG
2	2390.000	15.99	7.41	23.40	54.00	-30.60	AVG
3	2400.000	22.38	7.46	29.84	54.00	-24.16	AVG

Prüfbericht - Nr.:

16069377 001

Seite 35 von 60

Test Report No.

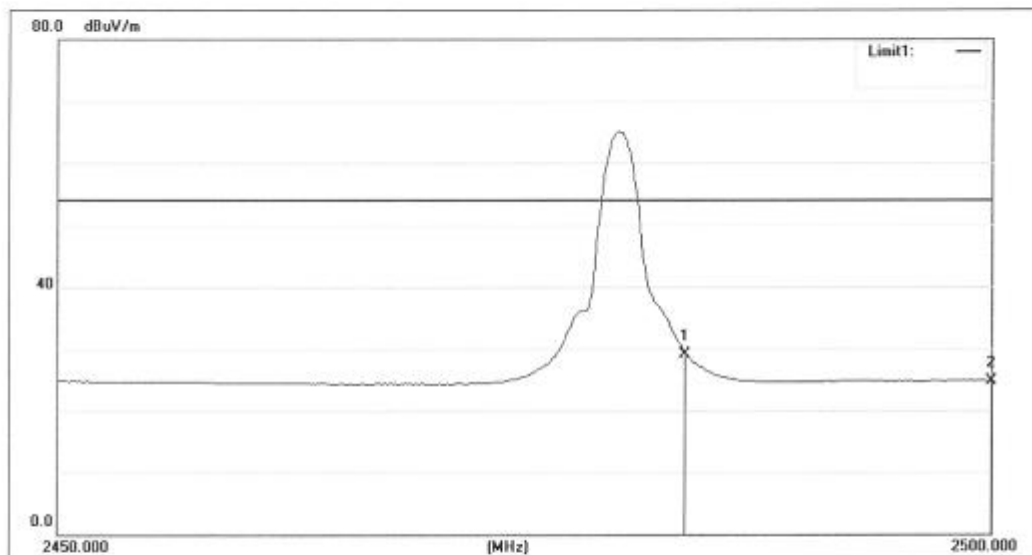
Page 35 of 60

GUANGZHOU GRG METEROLOGY & TEST TECHNOLOGY

Tel (86)020-38699960

Http://www.grgtest.com

Project No.:	E201507088557	Polarization:	Horizontal
Standard:	(RE)FCC PART 15 class B 3m_AVG	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	2015-7-16
Temp./Hum.(%RH):	21.5/54%RH	Time:	18:18:24
EUT:	Bluetooth Rock Speaker	Distance:	3m
Model:	ITSBO-358P 8dpsk High CH	Test Result:	Pass
Note:			



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	21.27	7.87	29.14	54.00	-24.86	AVG
2	2500.000	16.81	7.95	24.76	54.00	-29.24	AVG

Prüfbericht - Nr.:

16069377 001

Seite 36 von 60

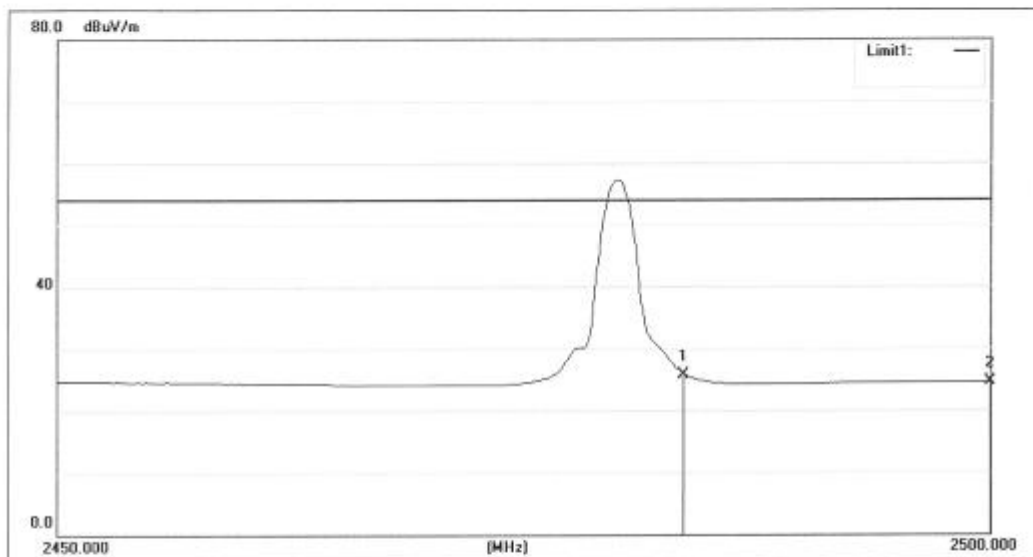
Test Report No.

Page 36 of 60

GUANGZHOU GRG METEROLOGY & TEST TECHNOLOGY

Tel (86)020-38699960
Http://www.grgtest.com

Project No.:	E201507088557	Polarization:	Vertical
Standard:	(RE)FCC PART 15 class B 3m_AVG	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	2015-7-16
Temp./Hum. (%RH):	21.5/54%RH	Time:	18:19:05
EUT:	Bluetooth Rock Speaker	Distance:	3m
Model:	ITSBO-358P 8dpsk High CH	Test Result:	Pass
Note:			



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	17.92	7.87	25.79	54.00	-28.21	AVG
2	2500.000	16.58	7.95	24.53	54.00	-29.47	AVG

Prüfbericht - Nr.:

16069377 001

Test Report No.

Seite 37 von 60

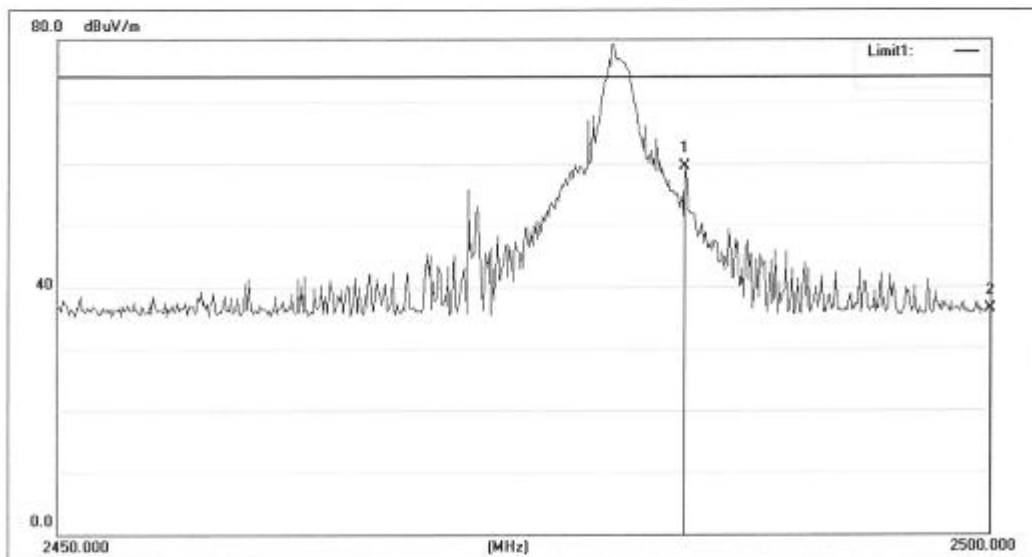
Page 37 of 60

GUANGZHOU GRG METEROLOGY & TEST TECHNOLOGY

Tel (86)020-38699960

Http://www.grgtest.com

Project No.:	E201507088557	Polarization:	Horizontal
Standard:	(RE)FCC PART 15 class B 3m_PEAK	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	2015-7-16
Temp./Hum. (%RH):	21.5/54%RH	Time:	18:20:22
EUT:	Bluetooth Rock Speaker	Distance:	3m
Model:	ITSBO-358P <i>801psk highch</i>	Test Result:	Pass
Note:			



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	51.59	7.87	59.46	74.00	-14.54	peak
2	2500.000	28.30	7.95	36.25	74.00	-37.75	peak

Prüfbericht - Nr.:

16069377 001

Seite 38 von 60

Test Report No.

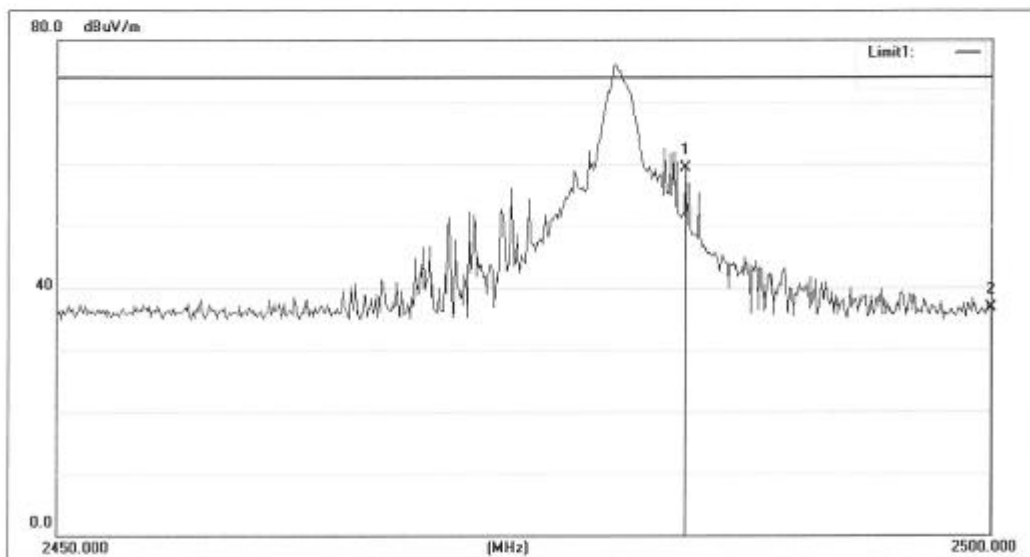
Page 38 of 60

GUANGZHOU GRG METEROLOGY & TEST TECHNOLOGY

Tel (86)020-38699960

Http://www.grgtest.com

Project No.:	E201507088557	Polarization:	Vertical
Standard:	(RE)FCC PART 15 class B 3m_PEAK	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	2015-7-16
Temp./Hum. (%RH):	21.5/54%RH	Time:	18:21:17
EUT:	Bluetooth Rock Speaker	Distance:	3m
Model:	ITSBO-358P 80PK High CH	Test Result:	Pass
Note:			



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	51.36	7.87	59.23	74.00	-14.77	peak
2	2500.000	28.83	7.95	36.78	74.00	-37.22	peak

Prüfbericht - Nr.:

16069377 001

Seite 39 von 60

Test Report No.

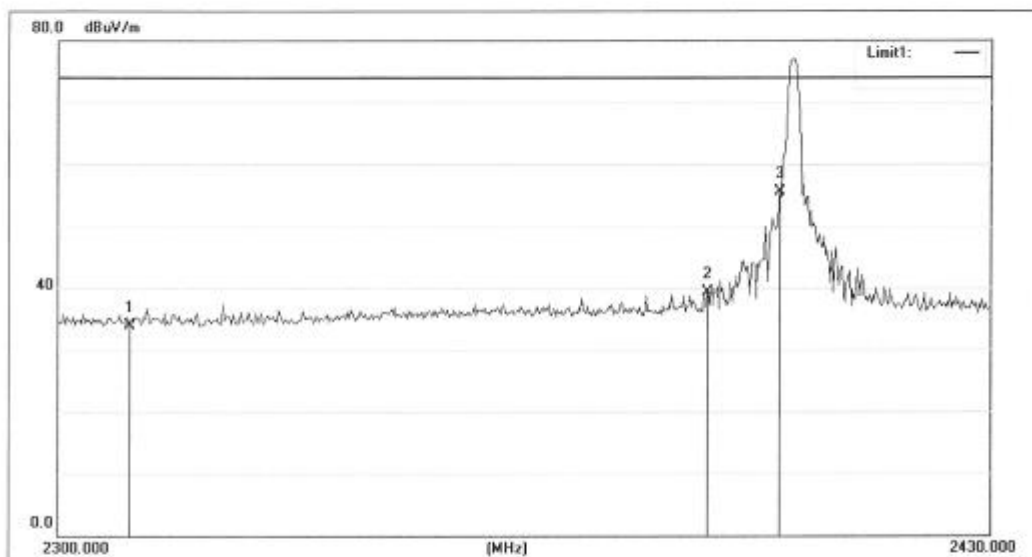
Page 39 of 60

GUANGZHOU GRG METEROLOGY & TEST TECHNOLOGY

Tel (86)020-38699960

Http://www.grgtest.com

Project No.:	E201507088557	Polarization:	Vertical
Standard:	(RE)FCC PART 15 class B 3m_PEAK	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	2015-7-16
Temp./Hum. (%RH):	21.5/54%RH	Time:	17:54:37
EUT:	Bluetooth Rock Speaker	Distance:	3m
Model:	ITSBO-358P <i>GFSK Low CH</i>	Test Result:	Pass
Note:			



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2310.000	26.97	6.94	33.91	74.00	-40.09	peak
2	2390.000	31.85	7.41	39.26	74.00	-34.74	peak
3	2400.000	48.02	7.46	55.48	74.00	-18.52	peak

Prüfbericht - Nr.:

16069377 001

Seite 40 von 60

Test Report No.

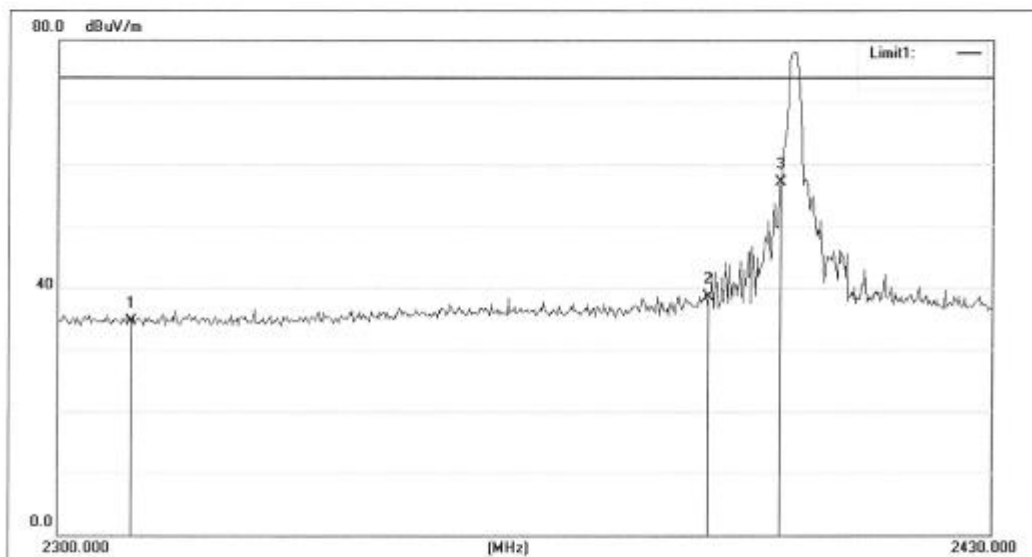
Page 40 of 60

GUANGZHOU GRG METEROLOGY & TEST TECHNOLOGY

Tel (86)020-38699960

Http://www.grgtest.com

Project No.:	E201507088557	Polarization:	Horizontal
Standard:	(RE)FCC PART 15 class B 3m_PEAK	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	2015-7-16
Temp./Hum. (%RH):	21.5/54%RH	Time:	17:55:40
EUT:	Bluetooth Rock Speaker	Distance:	3m
Model:	ITSBO-358P <i>GFSK low CH</i>	Test Result:	Pass
Note:			



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2310.000	27.55	6.94	34.49	74.00	-39.51	peak
2	2390.000	31.12	7.41	38.53	74.00	-35.47	peak
3	2400.000	49.66	7.46	57.12	74.00	-16.88	peak

Prüfbericht - Nr.:

16069377 001

Seite 41 von 60

Test Report No.

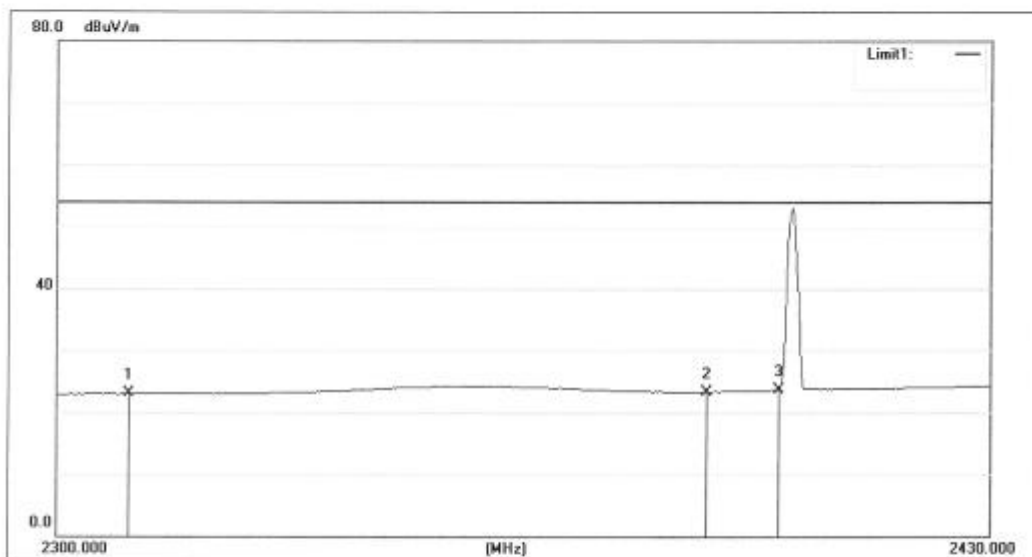
Page 41 of 60

GUANGZHOU GRG METEROLOGY & TEST TECHNOLOGY

Tel (86)020-38699960

Http://www.grgtest.com

Project No.:	E201507088557	Polarization:	Vertical
Standard:	(RE)FCC PART 15 class B 3m_AVG	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	2015-7-16
Temp./Hum.(%RH):	21.5/54%RH	Time:	17:57:26
EUT:	Bluetooth Rock Speaker	Distance:	3m
Model:	ITSBO-358P <i>GFSK low CH</i>	Test Result:	Pass
Note:			



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2310.000	16.09	6.94	23.03	54.00	-30.97	AVG
2	2390.000	15.96	7.41	23.37	54.00	-30.63	AVG
3	2400.000	16.26	7.46	23.72	54.00	-30.28	AVG

Prüfbericht - Nr.:

16069377 001

Test Report No.

Seite 42 von 60

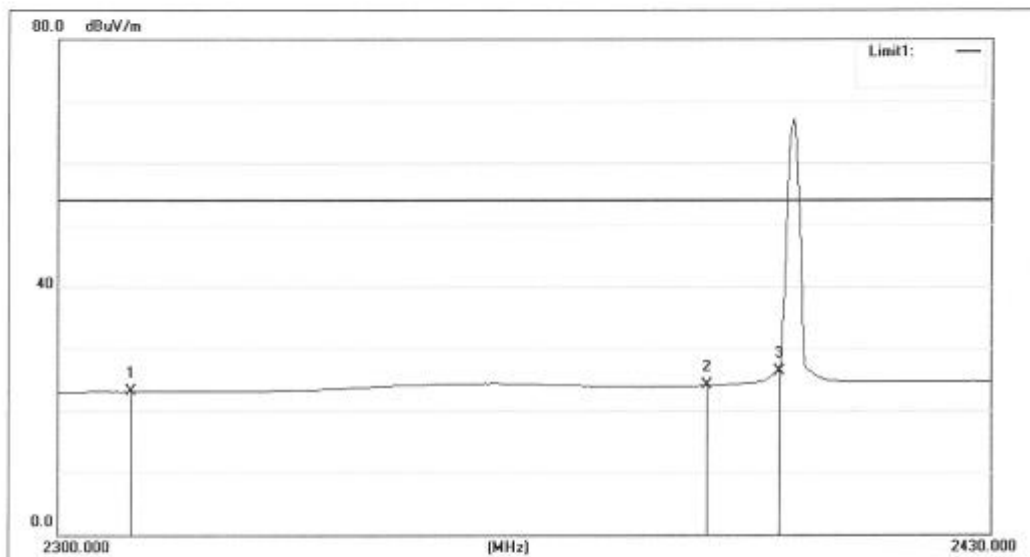
Page 42 of 60

GUANGZHOU GRG METEROLOGY & TEST TECHNOLOGY

Tel (86)020-38699960

Http://www.grgtest.com

Project No.:	E201507088557	Polarization:	Horizontal
Standard:	(RE)FCC PART 15 class B 3m_AVG	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	2015-7-16
Temp./Hum.(%RH):	21.5/54%RH	Time:	17:58:35
EUT:	Bluetooth Rock Speaker	Distance:	3m
Model:	ITSBO-358P <i>GFSK low CH</i>	Test Result:	Pass
Note:			



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2310.000	16.10	6.94	23.04	54.00	-30.96	AVG
2	2390.000	16.66	7.41	24.07	54.00	-29.93	AVG
3	2400.000	18.93	7.46	26.39	54.00	-27.61	AVG

Prüfbericht - Nr.:

16069377 001

Seite 43 von 60

Test Report No.

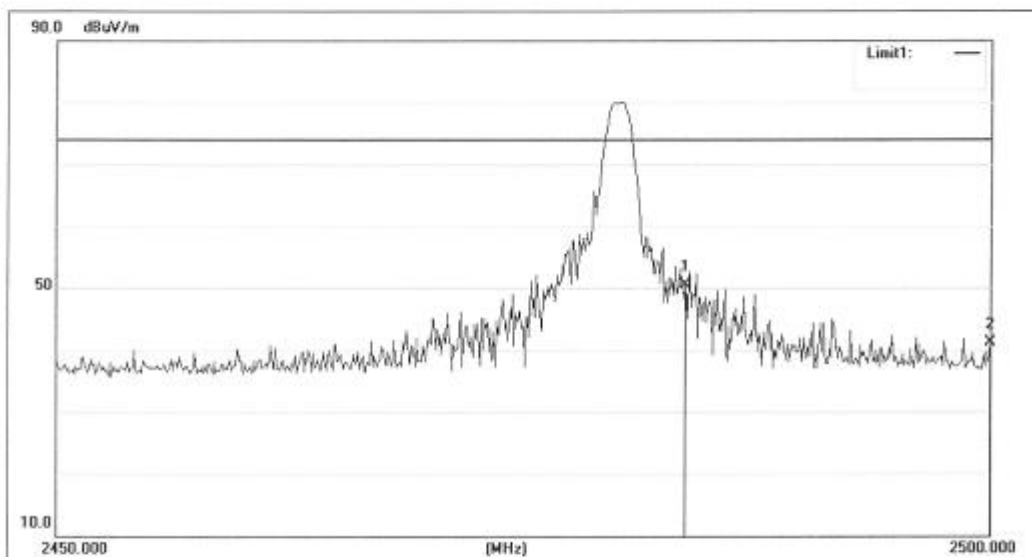
Page 43 of 60

GUANGZHOU GRG METEROLOGY & TEST TECHNOLOGY

Tel (86)020-38699960

Http://www.grgtest.com

Project No.:	E201507088557	Polarization:	Horizontal
Standard:	(RE)FCC PART 15 class B 3m_PEAK	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	2015-7-16
Temp./Hum. (%RH):	21.5/54%RH	Time:	18:11:32
EUT:	Bluetooth Rock Speaker	Distance:	3m
Model:	ITSBO-358P <i>GFSK High CH</i>	Test Result:	Pass
Note:			



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	42.62	7.87	50.49	74.00	-23.51	peak
2	2500.000	33.20	7.95	41.15	74.00	-32.85	peak

Prüfbericht - Nr.:

16069377 001

Test Report No.

Seite 44 von 60

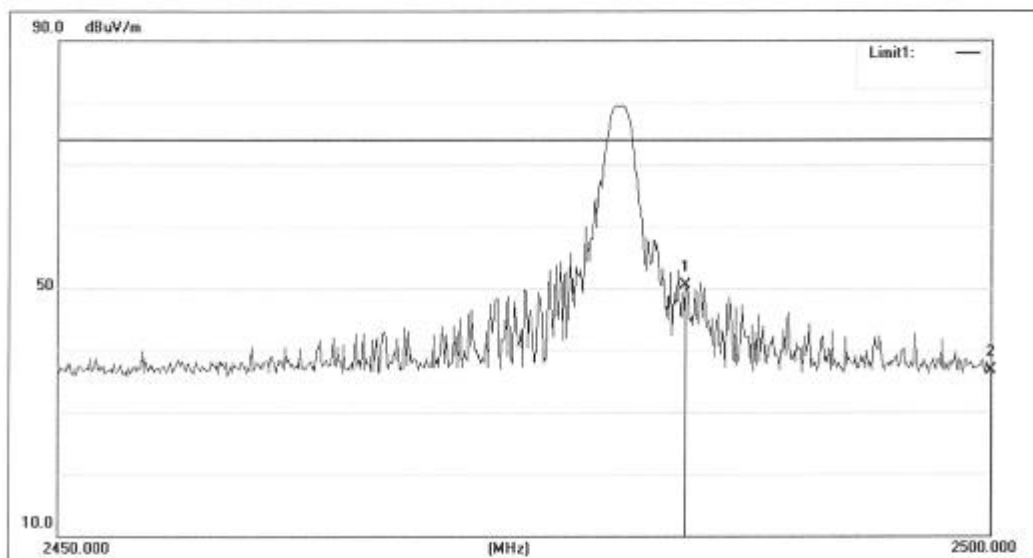
Page 44 of 60

GUANGZHOU GRG METEROLOGY & TEST TECHNOLOGY

Tel (86)020-38699960

Http://www.grgtest.com

Project No.:	E201507088557	Polarization:	Vertical
Standard:	(RE)FCC PART 15 class B 3m_PEAK	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	2015-7-16
Temp./Hum. (%RH):	21.5/54%RH	Time:	18:12:51
EUT:	Bluetooth Rock Speaker	Distance:	3m
Model:	ITSBO-358P <i>GTSk High CH</i>	Test Result:	Pass
Note:			



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	42.60	7.87	50.47	74.00	-23.53	peak
2	2500.000	28.78	7.95	36.73	74.00	-37.27	peak

Prüfbericht - Nr.:

16069377 001

Test Report No.

Seite 45 von 60

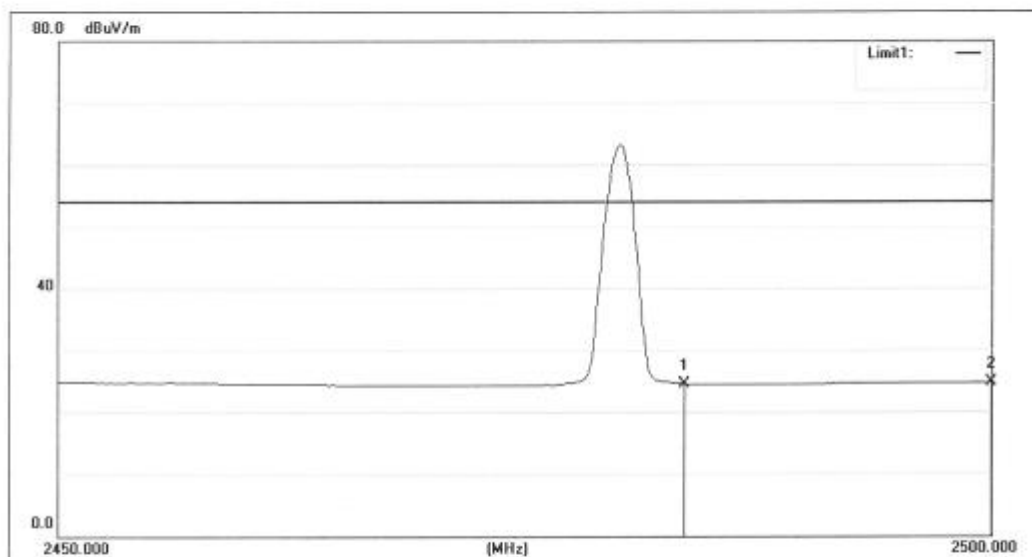
Page 45 of 60

GUANGZHOU GRG METEROLOGY & TEST TECHNOLOGY

Tel (86)020-38699960

Http://www.grgtest.com

Project No.:	E201507088557	Polarization:	Vertical
Standard:	(RE)FCC PART 15 class B 3m_AVG	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	2015-7-16
Temp./Hum. (%RH):	21.5/54%RH	Time:	18:15:41
EUT:	Bluetooth Rock Speaker	Distance:	3m
Model:	ITSBO-358P <i>GFSK High CH</i>	Test Result:	Pass
Note:			



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	16.70	7.87	24.57	54.00	-29.43	AVG
2	2500.000	16.75	7.95	24.70	54.00	-29.30	AVG

Prüfbericht - Nr.:

16069377 001

Seite 46 von 60

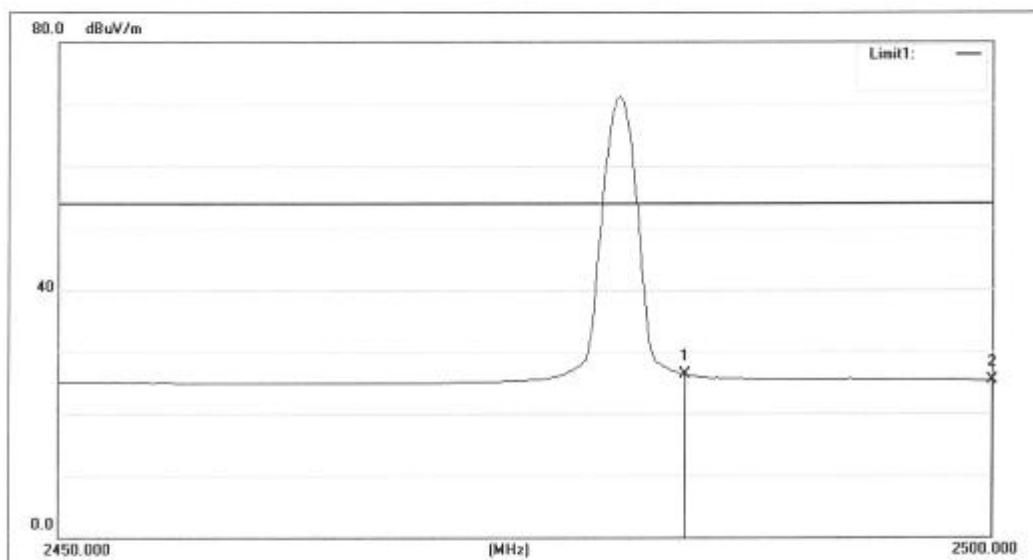
Test Report No.

Page 46 of 60

GUANGZHOU GRG METEROLOGY & TEST TECHNOLOGY

Tel (86)020-38699960
Http://www.grgtest.com

Project No.:	E201507088557	Polarization:	Horizontal
Standard:	(RE)FCC PART 15 class B 3m_AVG	Power Source:	AC 120V/60Hz
Test item:	Radiation Test	Date:	2015-7-16
Temp./Hum. (%RH):	21.5/54%RH	Time:	18:16:41
EUT:	Bluetooth Rock Speaker	Distance:	3m
Model:	ITSBO-358P <i>Grfsk high CH</i>	Test Result:	Pass
Note:			



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	18.37	7.87	26.24	54.00	-27.76	AVG
2	2500.000	17.38	7.95	25.33	54.00	-28.67	AVG

Prüfbericht - Nr.:

16069377 001

Test Report No.

Seite 47 von 60

Page 47 of 60

GRGTEST

GUANGZHOU GRG METEROLOGY & TEST TECHNOLOGY CO.,LTD

Tel (86)020-38699960

Http://www.grgtest.com

Conducted Emission Measurement

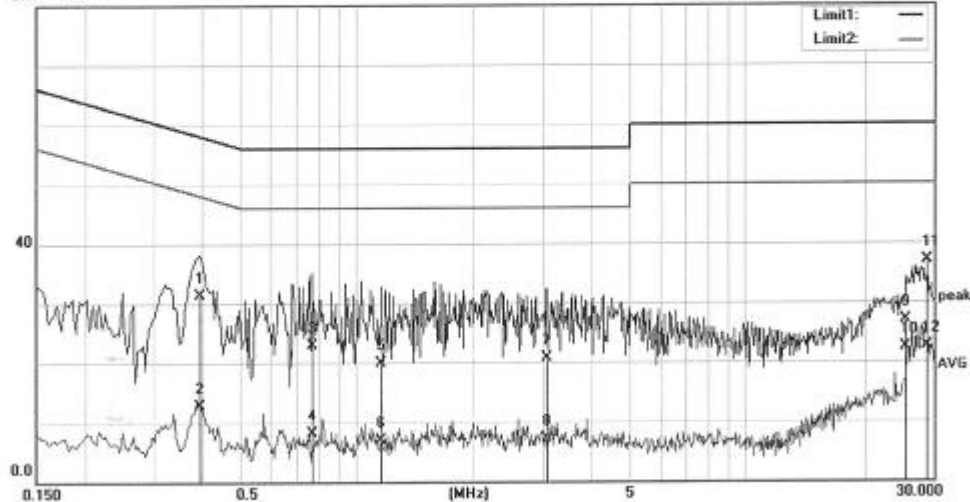
File :20150717 TUV

Data :#7

Date: 2015-9-25

Time: 8:59:15

80.0 dBuV



Site Chamber #1

Phase: L1

Temperature: 23.3

Limit: (CE)FCC PART 15 class B_QP

Power: AC 120V/60Hz

Humidity: 61.1 %

EUT: Bluetooth Rock Speaker

Test Result: Pass

M/N: ITSBO-358P

Mode: 8DPSK-2402

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.3940	24.79	6.51	31.30	57.98	-26.68	QP	
2		0.3940	6.19	6.51	12.70	47.98	-35.28	AVG	
3		0.7660	16.53	6.47	23.00	56.00	-33.00	QP	
4		0.7660	1.63	6.47	8.10	46.00	-37.90	AVG	
5		1.1580	13.36	6.54	19.90	56.00	-36.10	QP	
6		1.1580	0.46	6.54	7.00	46.00	-39.00	AVG	
7		3.0820	14.13	6.67	20.80	56.00	-35.20	QP	
8		3.0820	0.53	6.67	7.20	46.00	-38.80	AVG	
9		25.5220	19.95	7.05	27.00	60.00	-33.00	QP	
10		25.5220	15.25	7.05	22.30	50.00	-27.70	AVG	
11	*	28.9580	29.71	7.19	36.90	60.00	-23.10	QP	
12		28.9580	15.31	7.19	22.50	50.00	-27.50	AVG	

*:Maximum data x:Over limit !:over margin

Prüfbericht - Nr.:

16069377 001

Test Report No.

Seite 48 von 60

Page 48 of 60

GRGTEST

GUANGZHOU GRG METEROLOGY & TEST TECHNOLOGY CO.,LTD

Tel (86)020-38699960

[Http://www.grgtest.com](http://www.grgtest.com)

Conducted Emission Measurement

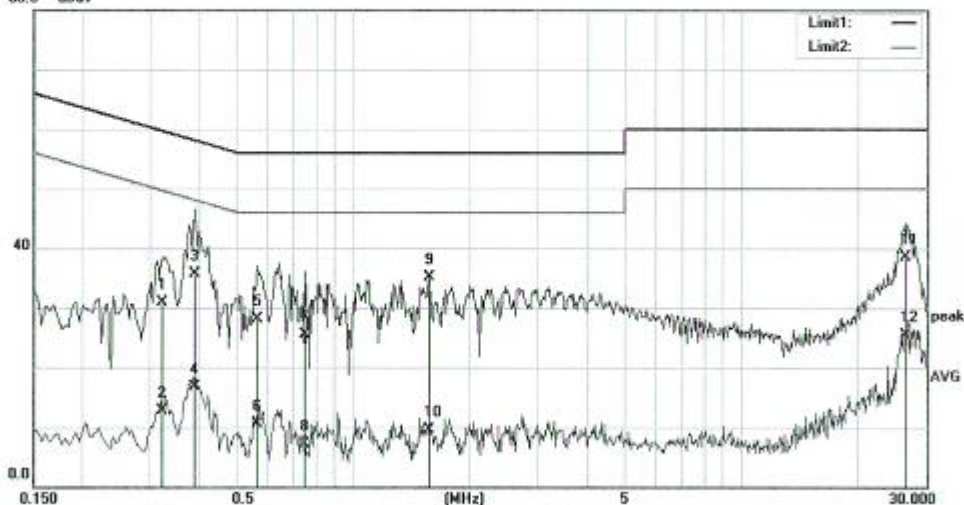
File :20150717 TUV

Data :#8

Date: 2015-9-25

Time: 9:16:59

00.0 dBuV



Site Chamber #1

Phase: *N*

Temperature: 23.3

Limit: (CE)FCC PART 15 class B_QP

Power: AC 120V/60Hz

Humidity: 61.1 %

EUT: Bluetooth Rock Speaker

Test Result: Pass

M/N: ITSBO-358P

Mode: 8DPSK-2402

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.3220	24.40	6.50	30.90	59.65	-28.75	QP	
2		0.3220	6.20	6.50	12.70	49.65	-36.95	AVG	
3		0.3899	29.29	6.51	35.80	58.06	-22.26	QP	
4		0.3899	10.19	6.51	16.70	48.06	-31.36	AVG	
5		0.5660	21.60	6.50	28.10	56.00	-27.90	QP	
6		0.5660	4.10	6.50	10.60	46.00	-35.40	AVG	
7		0.7500	19.03	6.47	25.50	56.00	-30.50	QP	
8		0.7500	0.73	6.47	7.20	46.00	-38.80	AVG	
9	*	1.5740	28.45	6.58	35.03	56.00	-20.97	QP	
10		1.5740	2.92	6.58	9.50	46.00	-36.50	AVG	
11		26.4780	31.35	7.15	38.50	60.00	-21.50	QP	
12		26.4780	18.35	7.15	25.50	50.00	-24.50	AVG	

*:Maximum data x:Over limit l:over margin

File :20150717 TUVData :#8

Page: 1

Prüfbericht - Nr.:

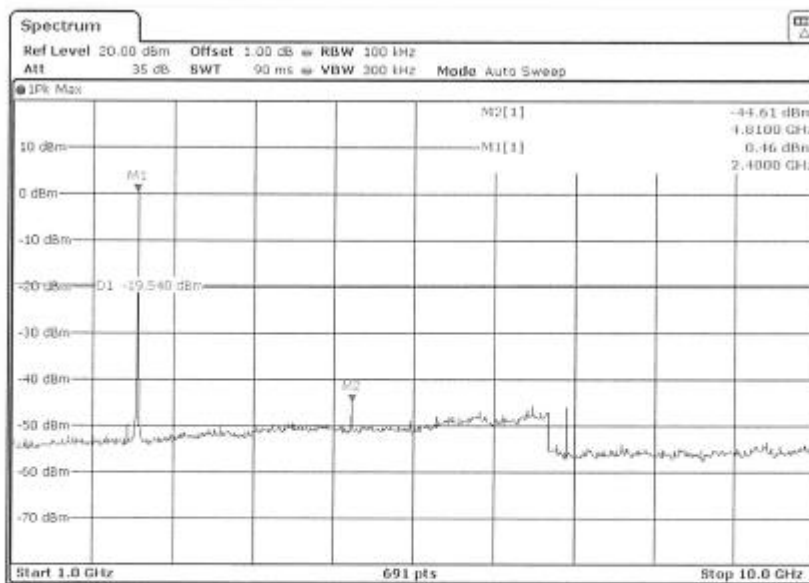
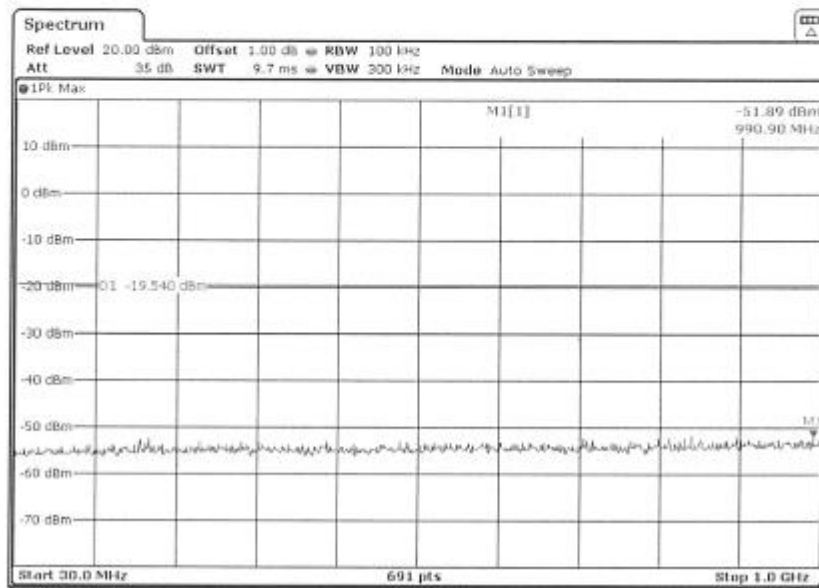
16069377 001

Test Report No.

Seite 49 von 60

Page 49 of 60

Conducted Spurious Emission
2402MHz, 8DPSK



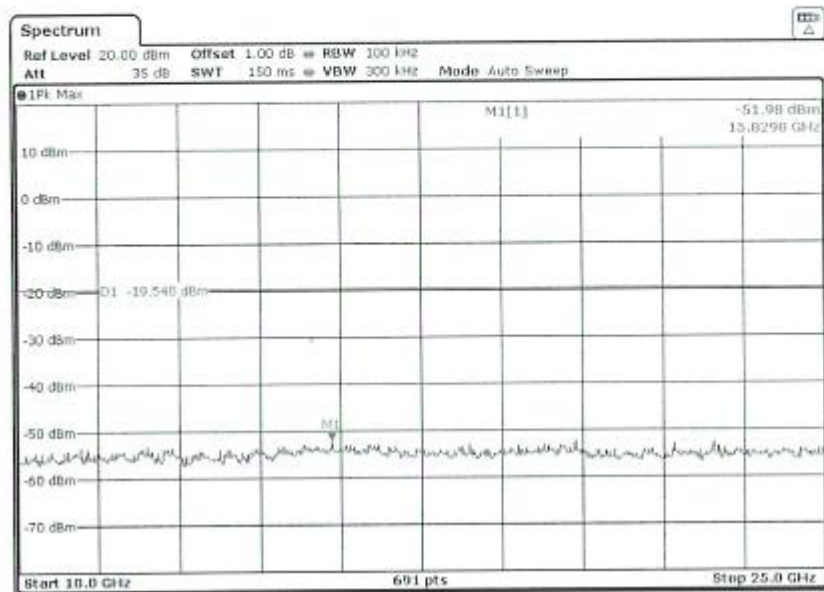
Prüfbericht - Nr.:

16069377 001

Test Report No.

Seite 50 von 60

Page 50 of 60



Prüfbericht - Nr.:

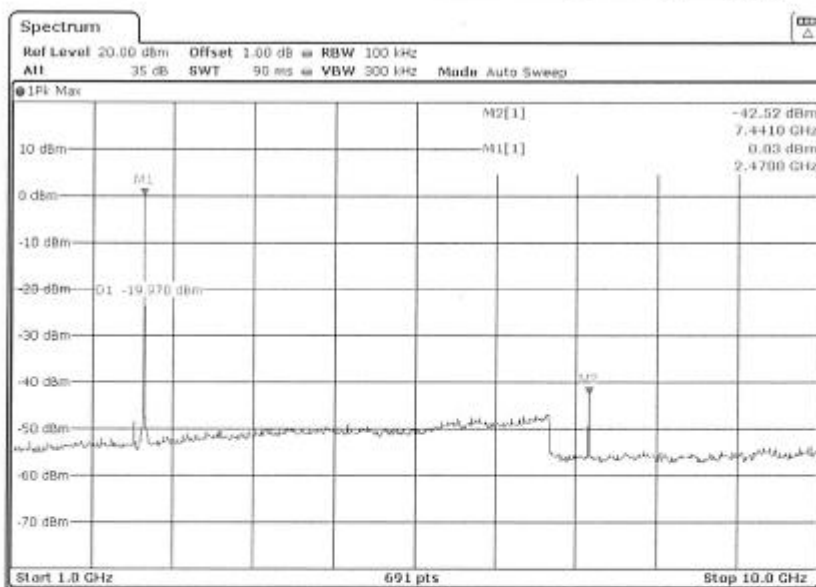
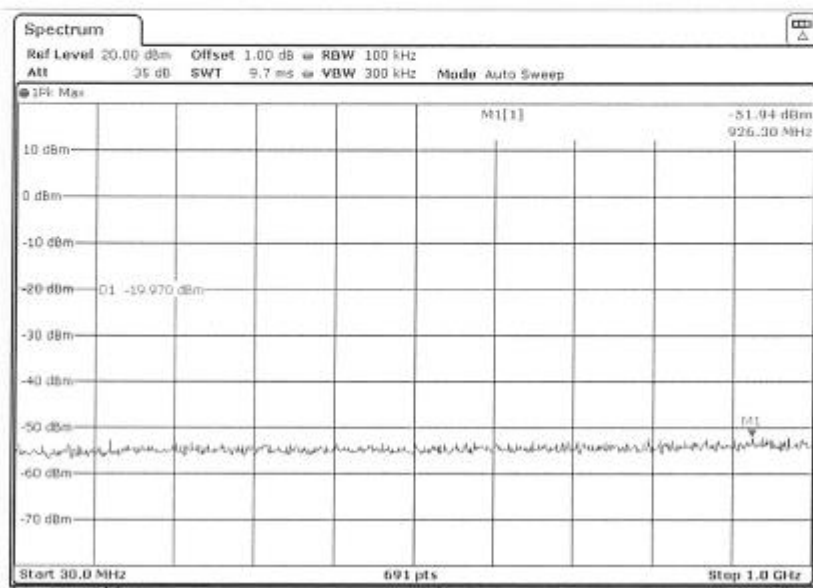
16069377 001

Test Report No.

Seite 51 von 60

Page 51 of 60

2480MHz, GFSK



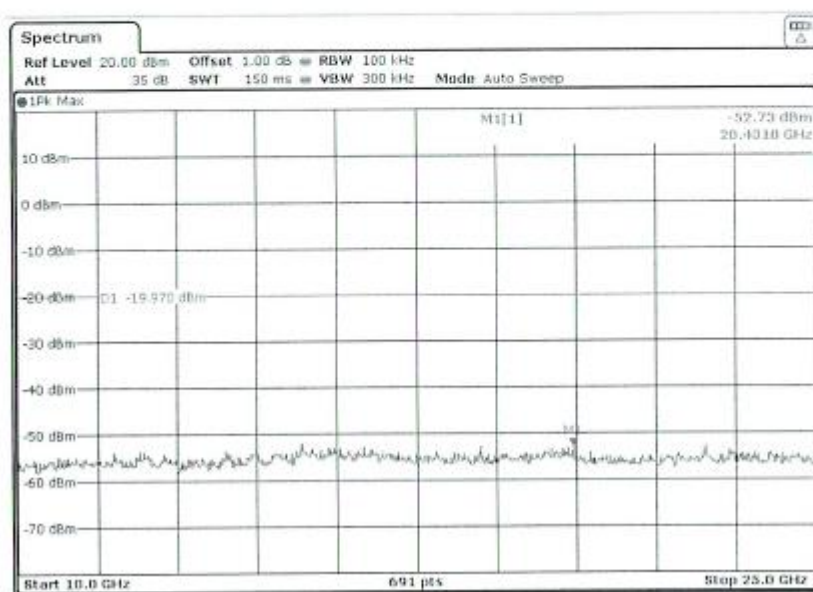
Prüfbericht - Nr.:

16069377 001

Test Report No.

Seite 52 von 60

Page 52 of 60



Prüfbericht - Nr.:

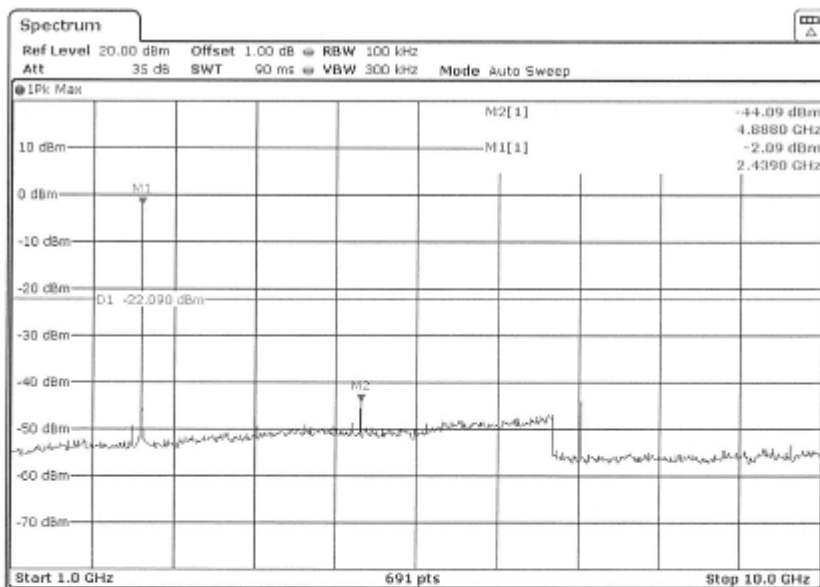
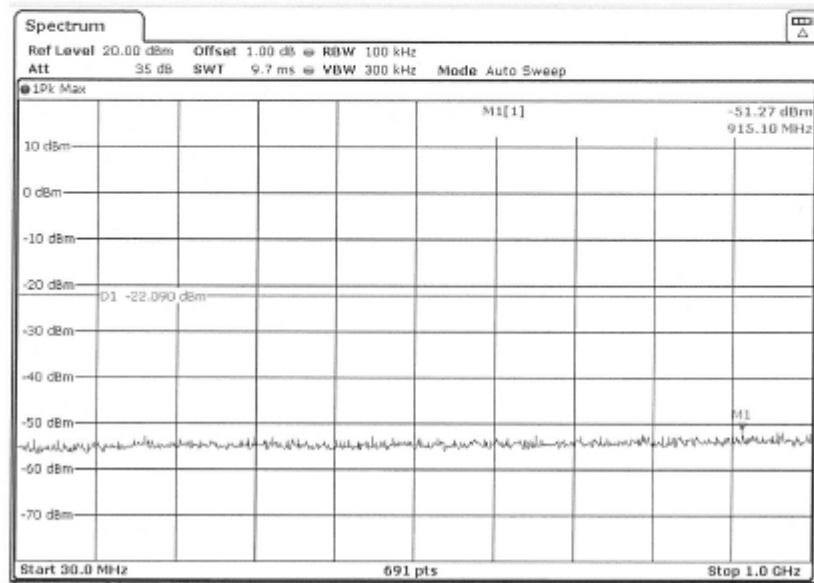
16069377 001

Test Report No.

Seite 53 von 60

Page 53 of 60

2441MHz, 8DPSK



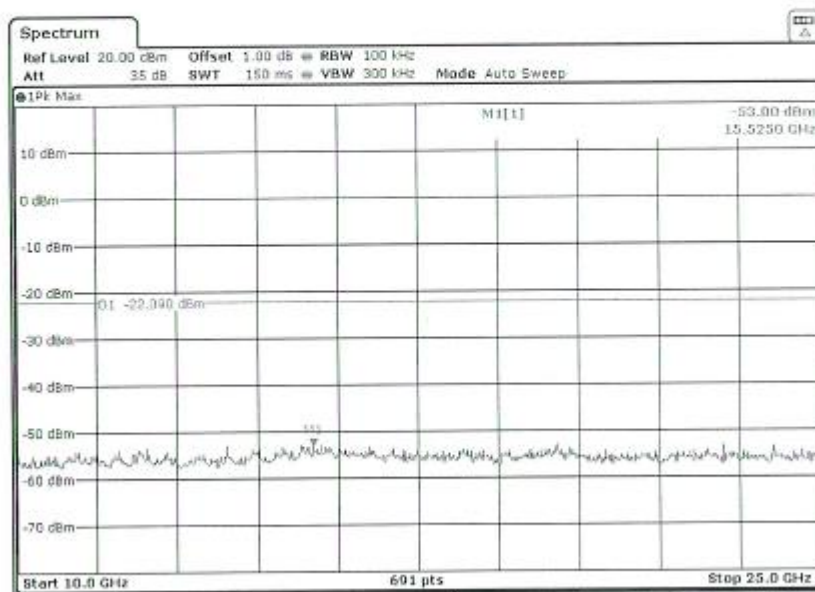
Prüfbericht - Nr.:

16069377 001

Seite 54 von 60

Test Report No.

Page 54 of 60



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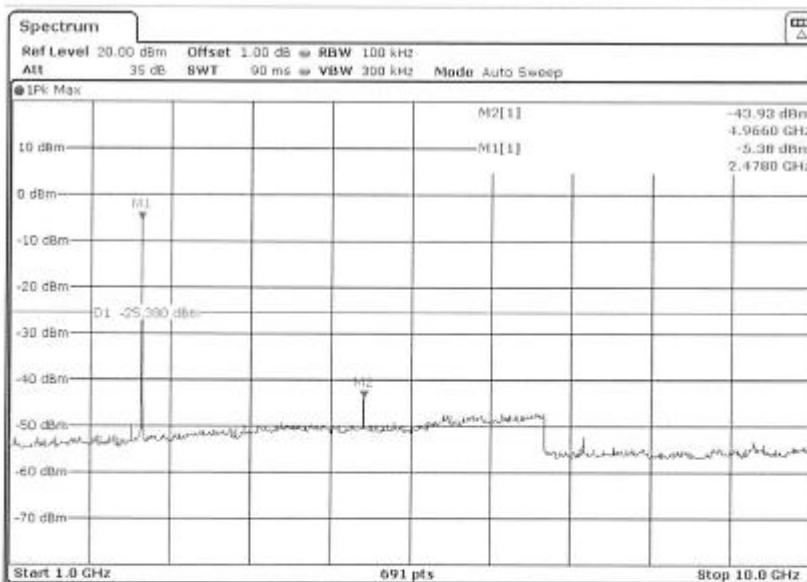
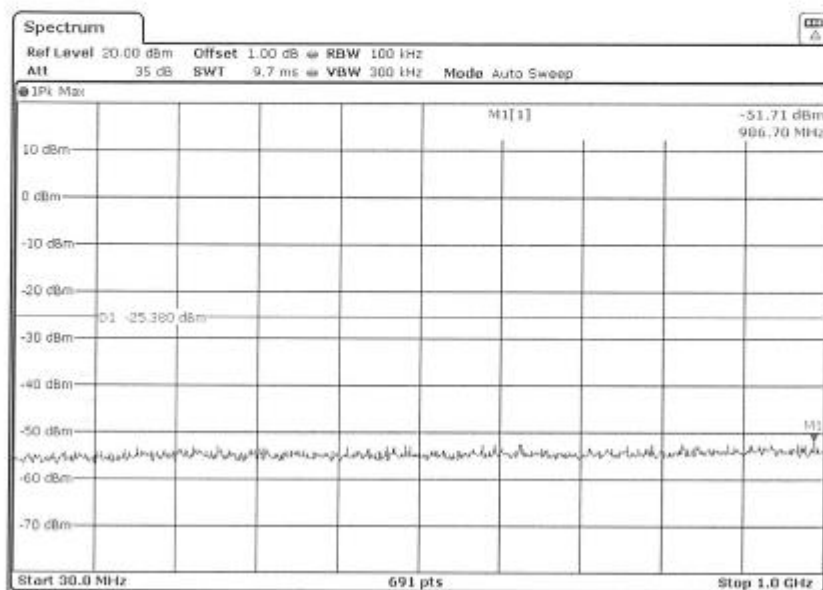
16069377 001

Test Report No.

Seite 55 von 60

Page 55 of 60

2480MHz, 8DPSK



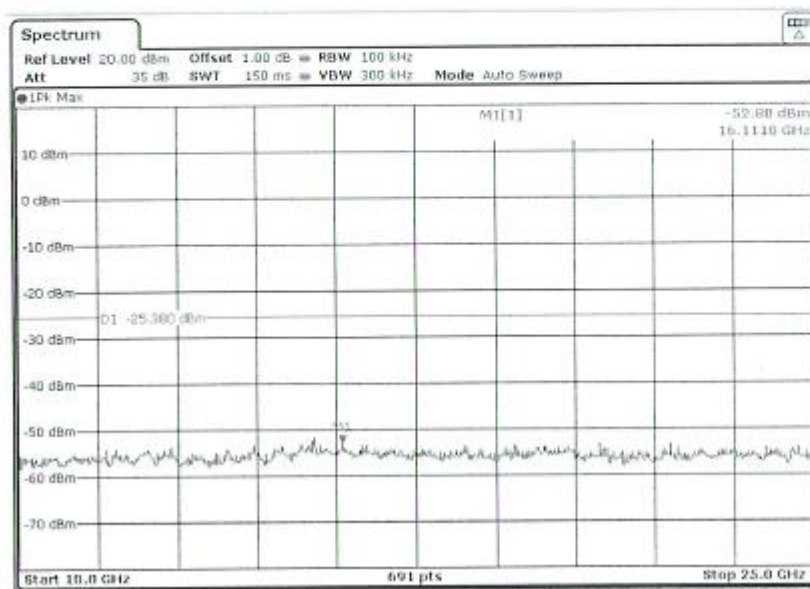
Prüfbericht - Nr.:

16069377 001

Test Report No.

Seite 56 von 60

Page 56 of 60



Prüfbericht - Nr.:

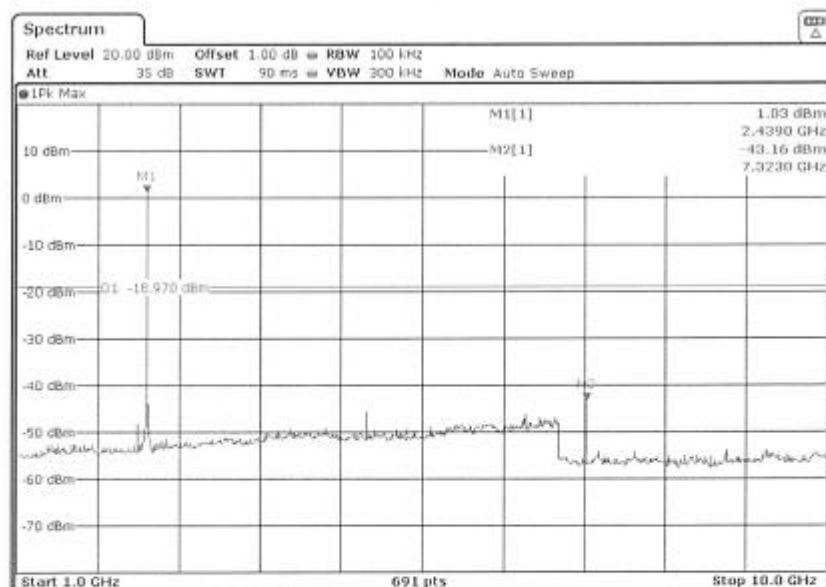
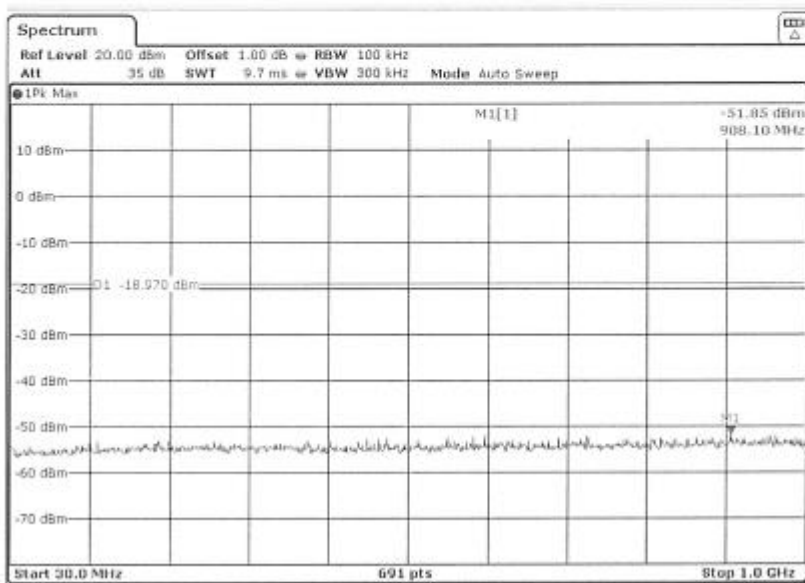
16069377 001

Test Report No.

Seite 57 von 60

Page 57 of 60

2441MHz, GFSK



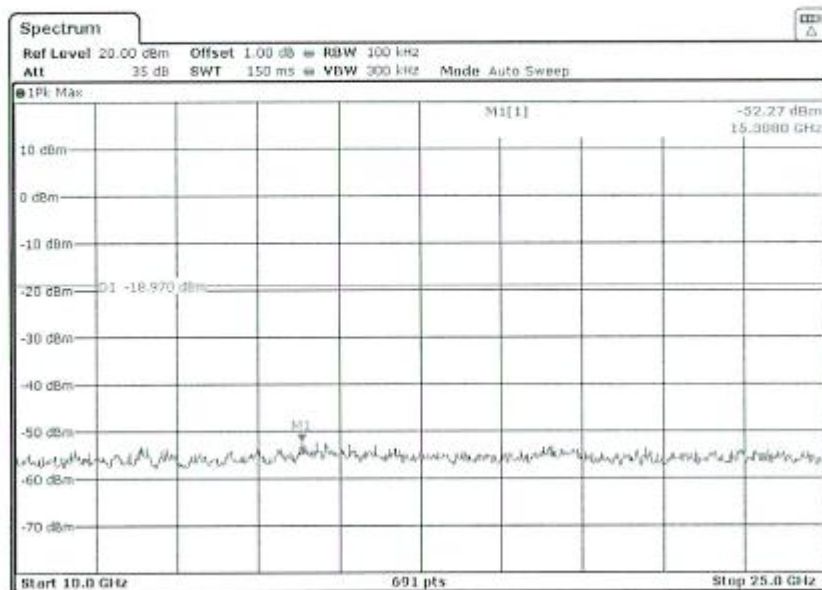
Prüfbericht - Nr.:

16069377 001

Seite 58 von 60

Test Report No.

Page 58 of 60



Prüfbericht - Nr.:

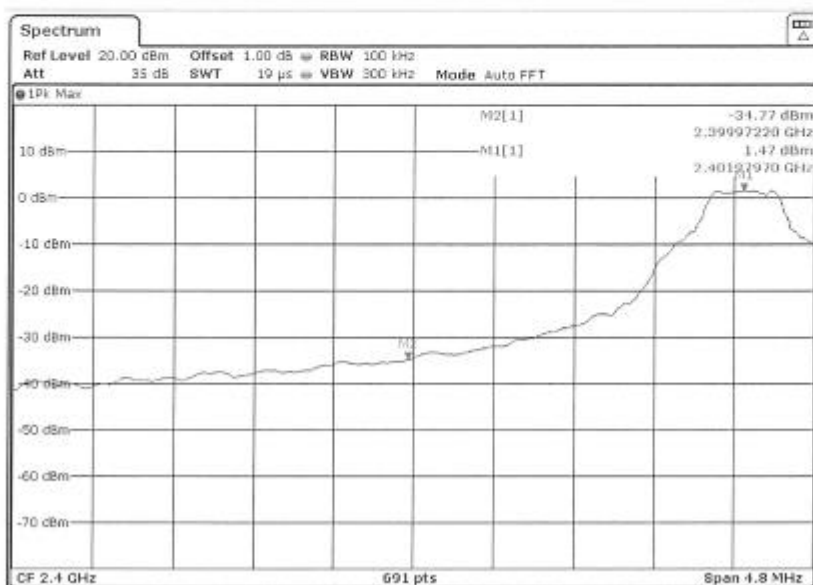
16069377 001

Test Report No.

Seite 59 von 60

Page 59 of 60

Band Edge, GFSK (Low)



Band Edge, GFSK (High)



Prüfbericht - Nr.:

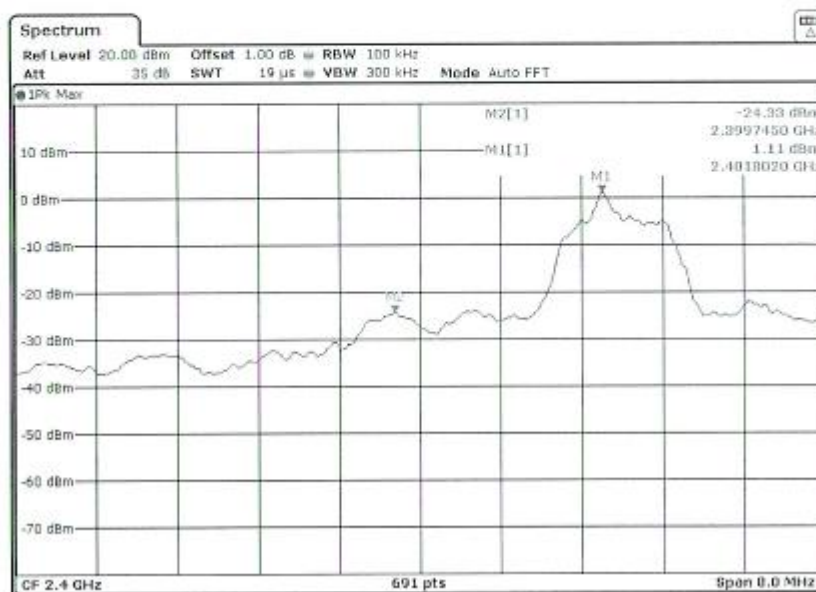
16069377 001

Test Report No.

Seite 60 von 60

Page 60 of 60

Band Edge, 8DPSK (Low)



Band Edge, 8DPSK (High)

