

Prüfbericht-Nr.: <i>Test Report No.:</i>	50058975 001	Auftrags-Nr.: <i>Order No.:</i>	164071800	Seite 1 von 84 Page 1 of 84
Kunden-Referenz-Nr.: <i>Client Reference No.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	19.08.2016	
Auftraggeber: <i>Client:</i>	Anfair Electronics Plastic Factor 182 Qingzhang Road, Chang Shan Tou, QingXi Town, Dongguan, China			
Prüfgegenstand: <i>Test item:</i>	Bluetooth Receiver			
Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i>	NS-CAHBTAD, NS-CAHBTAD-C (INSIGNIA)			
Auftrags-Inhalt: <i>Order content:</i>	FCC/IC Certification			
Prüfgrundlage: <i>Test specification:</i>	CFR47 FCC Part 15: Subpart C Section 15.247 CFR47 FCC Part 15: Subpart C Section 15.209 CFR47 FCC Part 15: Subpart B Section 15.109 RSS-247 Issue 1 May 2015 ICES-003 Issue 6 January 2016 CFR47 FCC Part 15: Subpart C Section 15.207 CFR47 FCC Part 15: Subpart B Section 15.107 FCC KDB Publication 447498 D01 v06 RSS-Gen Issue 4 November 2014 RSS-102 Issue 5 March 2015			
Wareneingangsdatum: <i>Date of receipt:</i>	25.08.2016			
Prüfmuster-Nr.: <i>Test sample No.:</i>	A000409662-001, A000409662-002			
Prüfzeitraum: <i>Testing period:</i>	02.09.2016 - 25.10.2016			
Ort der Prüfung: <i>Place of testing:</i>	Shenzhen EMTEK Co., Ltd.			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von / tested by:		kontrolliert von / reviewed by:		
28.10.2016	Andy Yan / Project Manager	28.10.2016	Owen Tian / Technical Certifier	
Datum <i>Date</i>	Name / Stellung <i>Name / Position</i>	Unterschrift <i>Signature</i>	Datum <i>Date</i>	Name / Stellung <i>Name / Position</i>
				Unterschrift <i>Signature</i>
Sonstiges / Other:		FCC ID: 2AEI7CAHBTAD IC: 9697A-CAHBTAD		
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>		Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>		
* Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet Legend: 1 = very good 2 = good 3 = satisfactory 4 = sufficient 5 = poor P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested				
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <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>				

TEST SUMMARY

5.1.1 ANTENNA REQUIREMENT*RESULT: Pass***5.1.2 PEAK OUTPUT POWER***RESULT: Pass***5.1.3 20dB BANDWIDTH AND 99% BANDWIDTH***RESULT: Pass***5.1.4 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100KHz BANDWIDTH***RESULT: Pass***5.1.5 SPURIOUS EMISSION***RESULT: Pass***5.1.6 FREQUENCY SEPARATION***RESULT: Pass***5.1.7 NUMBER OF HOPPING FREQUENCY***RESULT: Pass***5.1.8 TIME OF OCCUPANCY***RESULT: Pass***5.1.9 CONDUCTED EMISSIONS***RESULT: Pass***5.1.10 RADIATED EMISSION***RESULT: Pass***6.1.1 ELECTROMAGNETIC FIELDS***RESULT: Pass*

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1. General Remarks

1.1 Complementary Materials

None.

2. Test Sites

2.1 Test Facilities

Shenzhen EMTEK Co., Ltd.

(FCC Registration No.: 709623)

(Test site Industry Canada No.: 4480A-2)

Bldg 69, Majialong Industry Zone, Nanshan District,
Shenzhen, Guangdong, P.R. China

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

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Kind of Equipment	Manufacturer	Type	S/N	Calibrated until
Transmitter spurious emissions				
EMI Test Receiver	Rohde & Schwarz	ESU	1302.6005.26	2017-05-16
Loop Antenna	Schwarzbeck	FMZB 1519	1519-012	2017-05-16
Cable	H+B	3M SF104-26.5	295838/4	2017-05-28
Cable	H+B	6M SF104-26.5	295840/4	2017-05-28
Pre-Amplifier	HP	8447F	2944A07999	2017-05-16
Bilog Antenna	Schwarzbeck	VULB9163	142	2017-05-28
Cable	Schwarzbeck	AK9513	ACRX1	2017-05-16
Cable	Rosenberger	N/A	FP2RX2	2017-05-16
Cable	Schwarzbeck	AK9513	CRPX1	2017-05-28
Cable	Schwarzbeck	AK9513	CRRX2	2017-05-28
Pre-Amplifier	A.H.	PAM-0126	1415261	2017-05-16
Horn Antenna	Schwarzbeck	BBHA 9120	707	2017-05-28
Pre-Amplifier	A.H.	PAM-0126	1415261	2017-05-16
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA91703 99	2017-05-16
EMI Test Receiver	Rohde & Schwarz	FSV40	132.1- 3008K39- 100967-AP	2017-05-16
Pre-Amplifier	Lunar EM	LNA26G40-40	J101313102 8001	2017-05-16
Horn Antenna	AHS/USA	SAS-573	184	2017-05-16
Cable	H+B	0.5M SF104- 26.5	289147/4	2017-05-16
Cable	H+B	3M SF104-26.5	295838/4	2017-05-16
Cable	H+B	6M SF104-26.5	295840/4	2017-05-16
Radio Spectrum Test				
EMI Test Receiver	Rohde & Schwarz	ESCI	101045	2017-05-16
Vector Signal Generater	Agilent	N5182B	My53050553	2017-05-28
Analog Signal Generator	Agilent	N5171B	My53050878	2017-05-28
Signal Analyzer	Agilent	N9010A	My53470879	2017-05-28
Power Meter	Agilent	PS-X10-100	N/A	2017-05-28
Temp. / Humidity Chamber	Kingson	THS-M1	242	2017-05-28

2.3 Traceability

All measurement equipment calibrations are traceable to NIST or where calibration is performed outside the United States, 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

Table 2: Measurement Uncertainty

Parameter	Uncertainty
Radio Frequency	$\pm 1 \times 10^{-5}$
Maximum Peak Output Power Test	$\pm 1.0\text{dB}$
Conducted Emissions Test	$\pm 2.0\text{dB}$
Radiated Emission Test	$\pm 2.0\text{dB}$
Power Density	$\pm 2.0\text{dB}$
Occupied Bandwidth Test	$\pm 1.0\text{dB}$
Band Edge Test	$\pm 3\text{dB}$
All emission, radiated	$\pm 3\text{dB}$
Antenna Port Emission	$\pm 3\text{dB}$
Temperature	$\pm 0.5^\circ\text{C}$
Humidity	$\pm 3\%$

2.6 Location of Original Data

The original copies of all test data taken during actual testing were retained in the TÜV Rheinland (Shenzhen) file for certification follow-up purposes.

2.7 Status of Facility Used for Testing

Shenzhen EMTEK Co., Ltd. test facility located at Bldg 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, P.R. China is listed on the US Federal Communications Commission list of facilities approved to perform measurements.

3. General Product Information

3.1 Product Function and Intended Use

The EUTs are Bluetooth receiver for headphone.
 All models are identical except the model name.
 For details refer to the User Manual and Circuit Diagram.

3.2 Ratings and System Details

Table 3: Technical Specification of Bluetooth

Technical Specification	Value
Kind of Equipment	Bluetooth Receiver
Type Designation	NS-CAHBTAD, NS-CAHBTAD-C
FCC ID	2AEI7CAHBTAD
IC	9697A-CAHBTAD
Operating Frequency band	2402 – 2480MHz
Channel separation	1MHz
Extreme Temperature Range	-10~+70°C
Operation Voltage	DC 3.7V (via Li-ion battery)
Modulation	FHSS, GFSK, 8DPSK, $\pi/4$ DQPSK
Bluetooth version	4.2, Single Mode
Antenna Gain	1.5dBi

Table 4: RF channel and frequency of Bluetooth

RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
0	2402.00	21	2423.00	42	2444.00	63	2465.00
1	2403.00	22	2424.00	43	2445.00	64	2466.00
2	2404.00	23	2425.00	44	2446.00	65	2467.00
3	2405.00	24	2426.00	45	2447.00	66	2468.00
4	2406.00	25	2427.00	46	2448.00	67	2469.00
5	2407.00	26	2428.00	47	2449.00	68	2470.00
6	2408.00	27	2429.00	48	2450.00	69	2471.00
7	2409.00	28	2430.00	49	2451.00	70	2472.00
8	2410.00	29	2431.00	50	2452.00	71	2473.00
9	2411.00	30	2432.00	51	2453.00	72	2474.00
10	2412.00	31	2433.00	52	2454.00	73	2475.00
11	2413.00	32	2434.00	53	2455.00	74	2476.00

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12	2414.00	33	2435.00	54	2456.00	75	2477.00
13	2415.00	34	2436.00	55	2457.00	76	2478.00
14	2416.00	35	2437.00	56	2458.00	77	2479.00
15	2417.00	36	2438.00	57	2459.00	78	2480.00
16	2418.00	37	2439.00	58	2460.00		
17	2419.00	38	2440.00	59	2461.00		
18	2420.00	39	2441.00	60	2462.00		
19	2421.00	40	2442.00	61	2463.00		
20	2422.00	41	2443.00	62	2464.00		

3.3 Independent Operation Modes

The basic operation modes are:

- A. On
 - 1. Bluetooth mode
 - a. Transmitting
 - i. Low Channel
 - ii. Middle Channel
 - iii. High Channel
 - b. Receiving
 - 2. Charging only
- B. Standby
- C. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit Diagram.

3.5 Submitted Documents

- | | |
|--------------------|----------------------|
| - Bill of Material | - Circuit Diagram |
| - PCB Layout | - Instruction Manual |
| - Photo Document | - Rating Label |

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 C63.10: 2013.

4.3 Special Accessories and Auxiliary Equipment

None.

4.4 Countermeasures to achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Constructional Data Form or the Technical Construction File. No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test

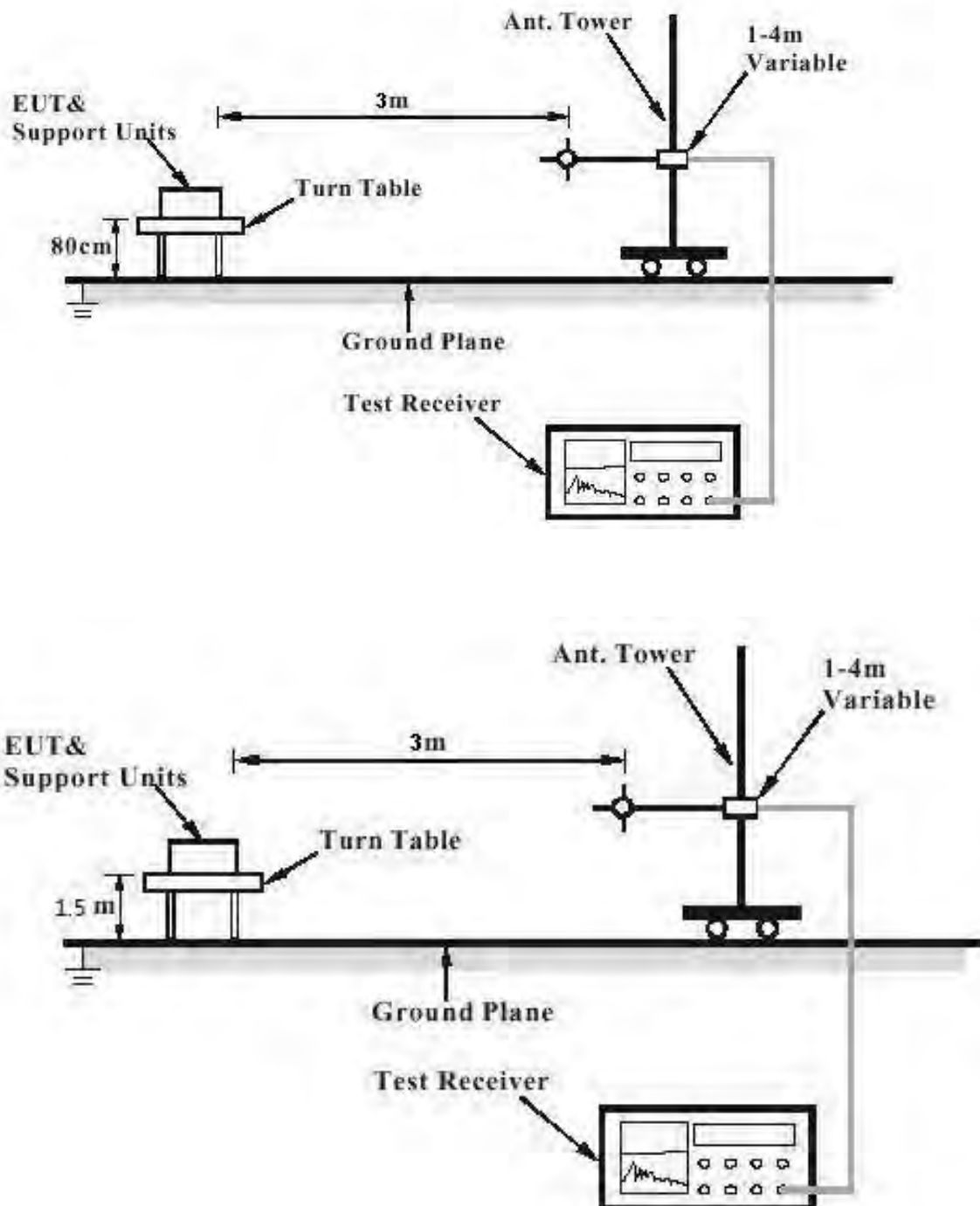


Diagram of Measurement Equipment Configuration for Conduction Measurement

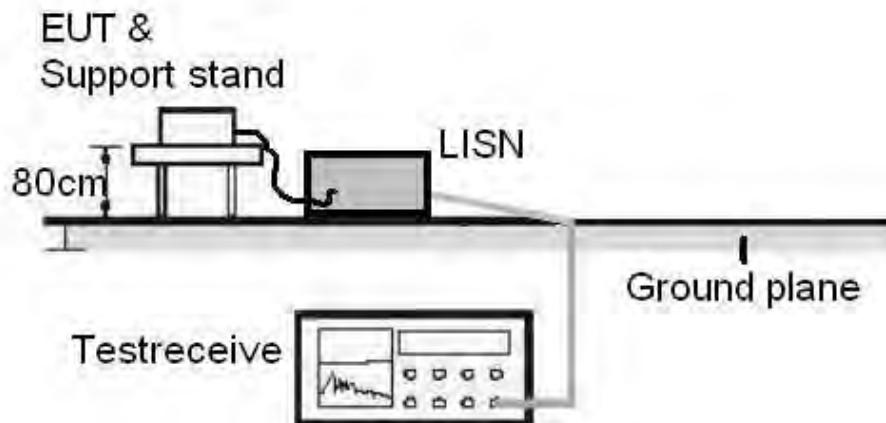
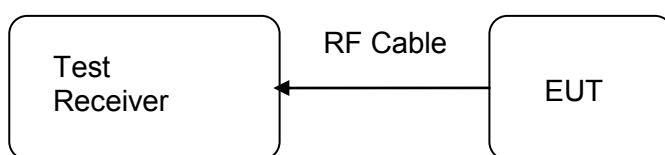


Diagram of Measurement Equipment Configuration for Transmitter Measurement



5. Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT:**Pass**

Test standard	:	Part 15.203 RSS-Gen Clause 8.3
Limit		The use of antennas with directional gains that do not exceed 6dBi

According to the manufacturer declared, the EUT has an internal antenna, the directional gain of antenna is 1.5dBi, 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.

5.1.2 Peak Output Power

RESULT:
Pass

Test date : 2016-09-02
 Test standard : FCC Part 15.247(b)(1)
 RSS-247 clause 5.4(2)
 Basic standard : ANSI C63.10: 2013
 Clause 9.1 of KDB 558074 v03r01
 Limit : 1W
 Kind of test site : Shielded room

Test setup

Test Channel : Low/ Middle/ High
 Operation Mode : A.1.a
 Ambient temperature : 25°C
 Relative humidity : 50%
 Atmospheric pressure : 101kPa

Table 5: Test result of Peak Output Power of Bluetooth (BDR mode)

Channel	Channel Frequency (MHz)	Peak Output Power	Limit
		(dBm)	(dBm)
Low Channel	2402	-1.05	30
Middle Channel	2441	-1.11	30
High Channel	2480	-1.48	30

Table 6: Test result of Peak Output Power of Bluetooth (EDR mode)

Channel	Channel Frequency (MHz)	Peak Output Power	Limit
		(dBm)	(dBm)
Low Channel	2402	0.31	30
Middle Channel	2441	0.26	30
High Channel	2480	-0.05	30

5.1.3 20dB Bandwidth and 99% Bandwidth

RESULT:

Pass

Date of testing	:	2016-09-05
Test standard	:	FCC Part 15.247(a)(1) RSS-247 clause 5.1(2) RSS-Gen clause 6.6
Basic standard	:	ANSI C63.10: 2013 Clause 8 of KDB 558074 v03r01
Kind of test site	:	Shielded room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A.1.a
Ambient temperature	:	25°C
Relative humidity	:	50%
Atmospheric pressure	:	101kPa

Table 7: Test result of 20dB and 99% Bandwidth of BDR mode

Channel	Channel Frequency (MHz)	20dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low Channel	2402	1.042	0.925
Mid Channel	2441	1.042	0.925
High Channel	2480	1.042	0.929

Table 8: Test result of 20dB and 99% Bandwidth of EDR mode

Channel	Channel Frequency (MHz)	20dB Bandwidth (MHz)	99% Bandwidth (MHz)
Low Channel	2402	1.303	1.181
Mid Channel	2441	1.303	1.181
High Channel	2480	1.303	1.181

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5.1.4 Conducted Spurious Emissions measured in 100kHz Bandwidth**RESULT:****Pass**

Date of testing	:	2016-09-05
Test standard	:	FCC part 15.247(d) RSS-247 clause 5.5
Basic standard	:	ANSI C63.10: 2013
Limit	:	20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power);
Kind of test site	:	Shield room

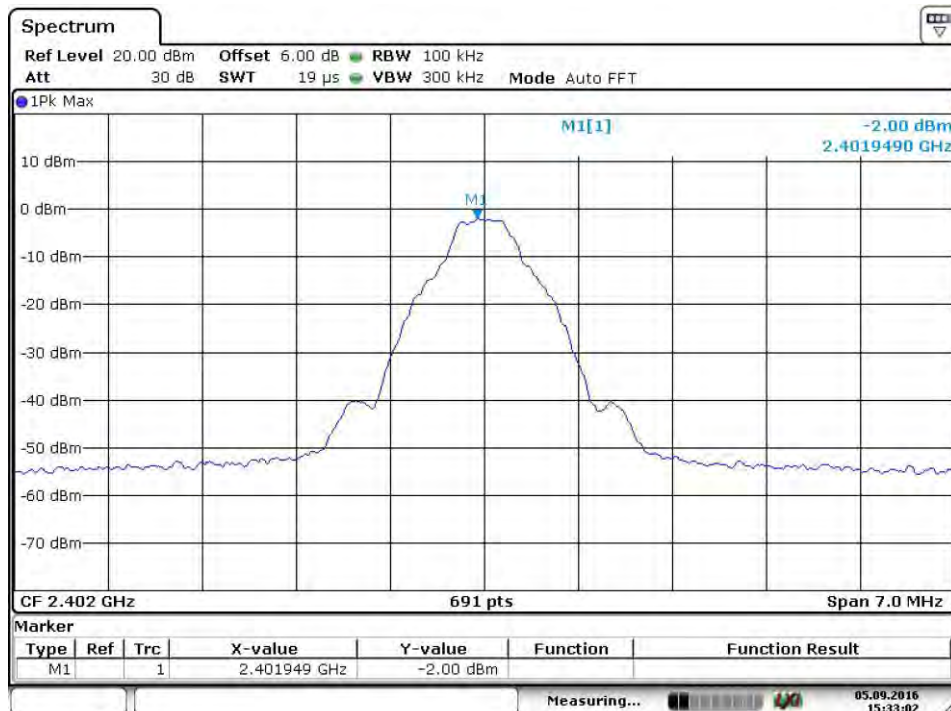
Test setup

Test Channel	:	Low/ Middle/ High
Operation mode	:	A.1.a
Ambient temperature	:	25°C
Relative humidity	:	50%
Atmospheric pressure	:	101kPa

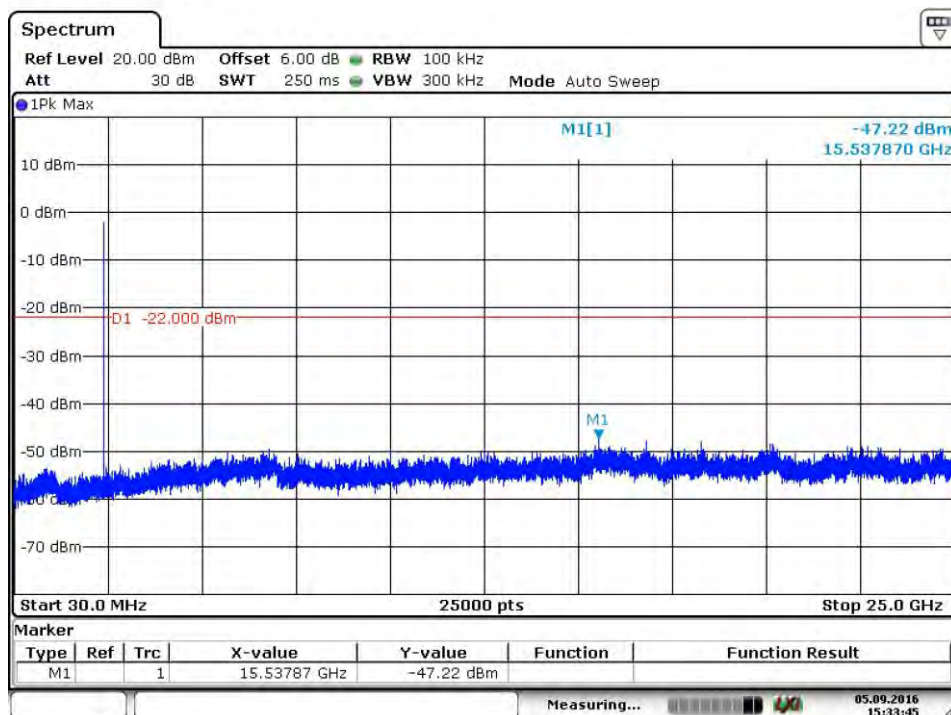
For details refer to following test plot.

Test Plot of Conducted spurious emissions measured in 100kHz Bandwidth of BDR mode

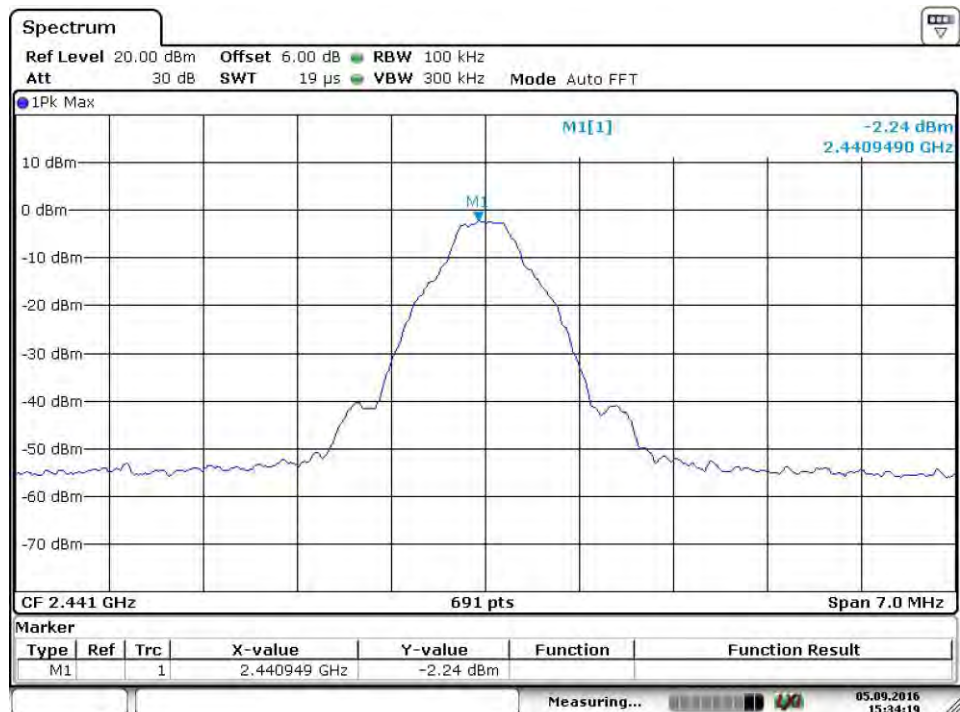
Low Channel



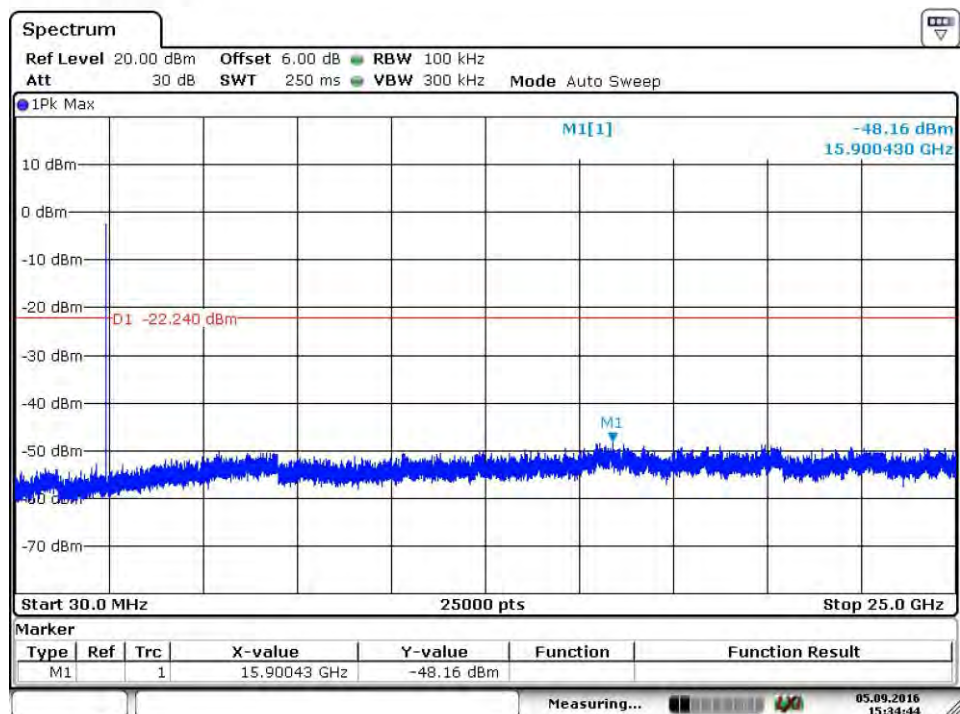
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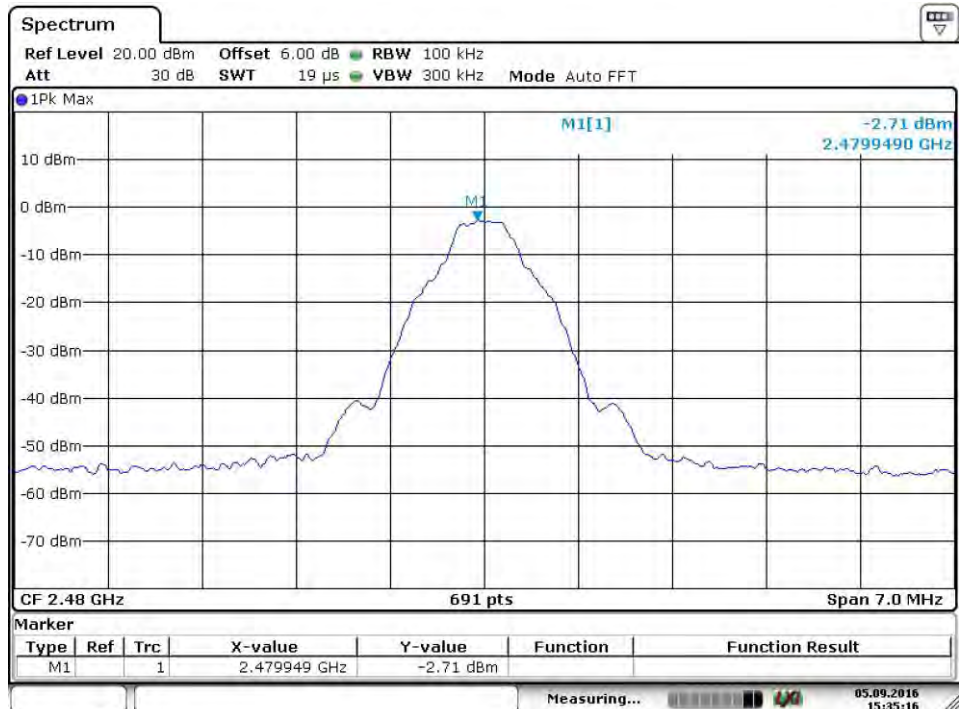
Middle Channel


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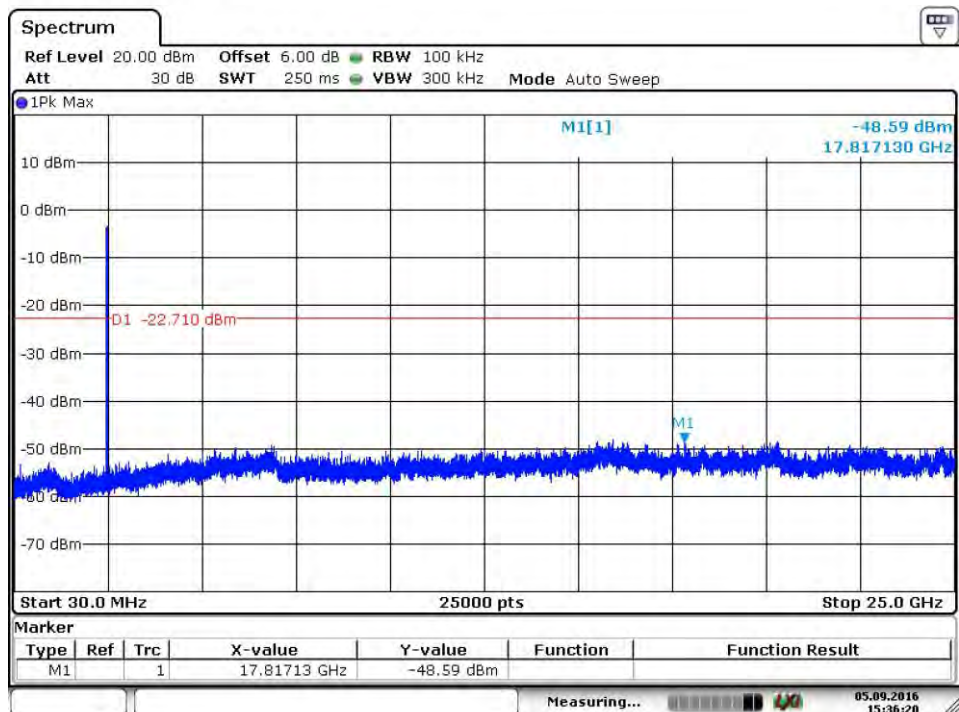


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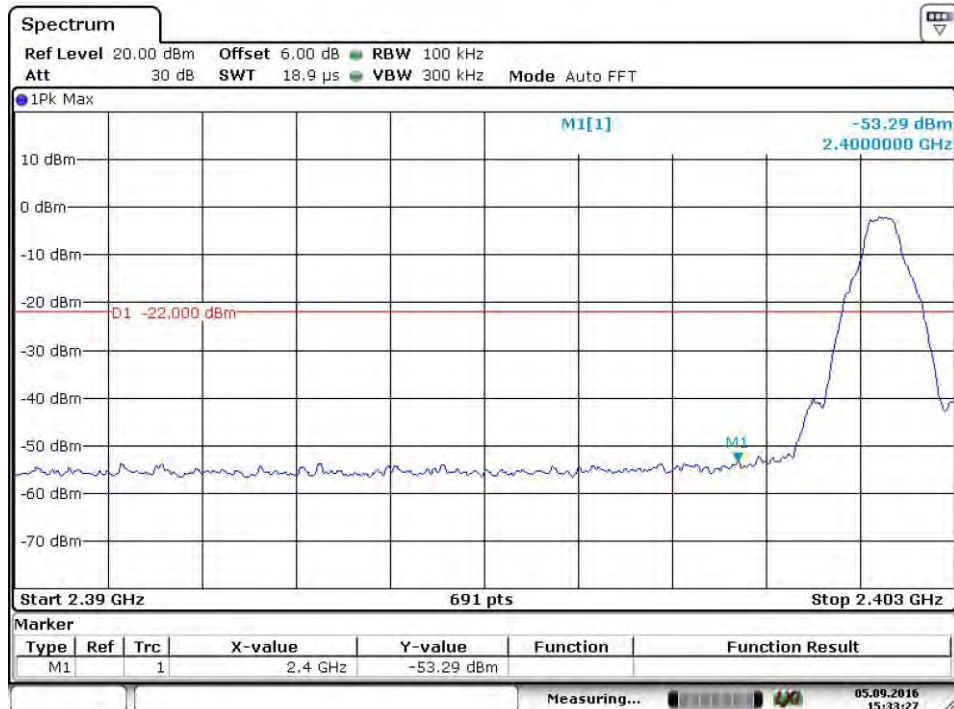
High Channel



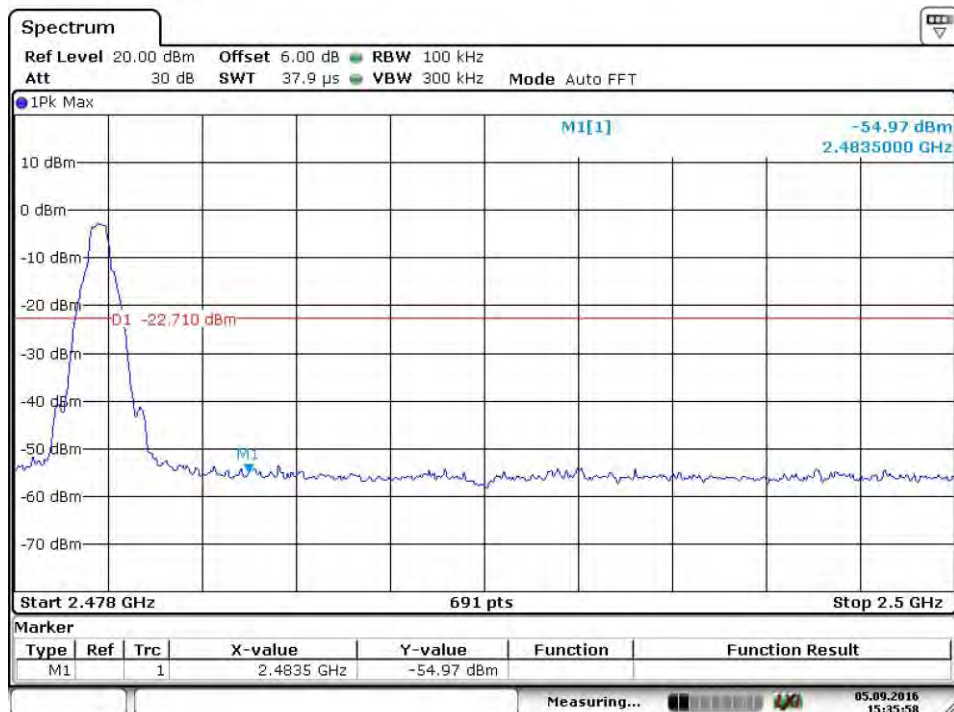
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Date: 5.SEP.2016 15:36:20

Band Edge


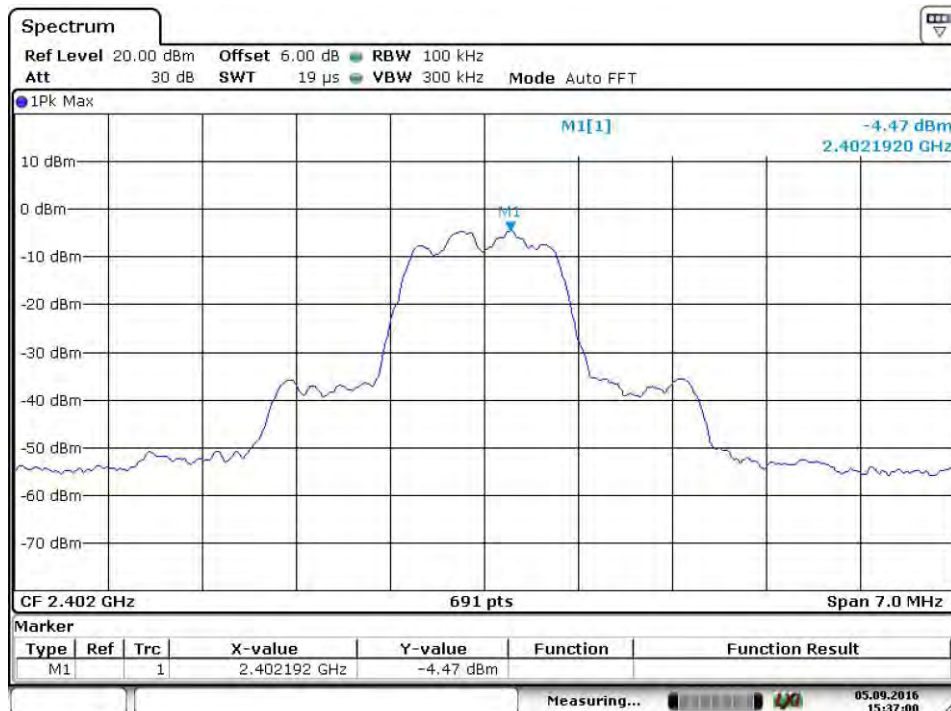
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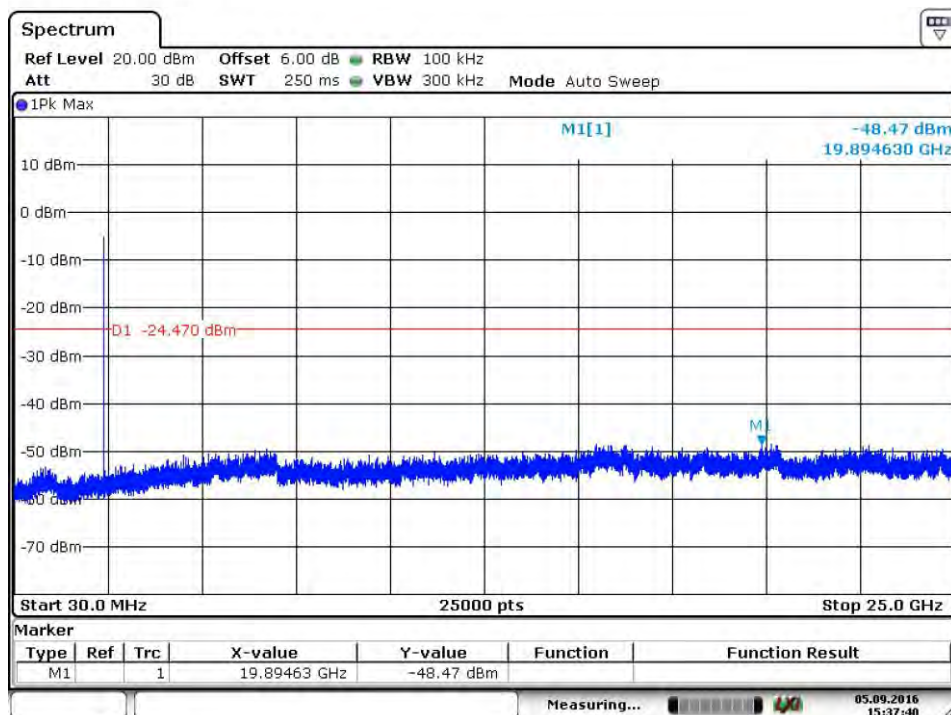
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Test Plot of Conducted spurious emissions measured in 100kHz Bandwidth of EDR mode

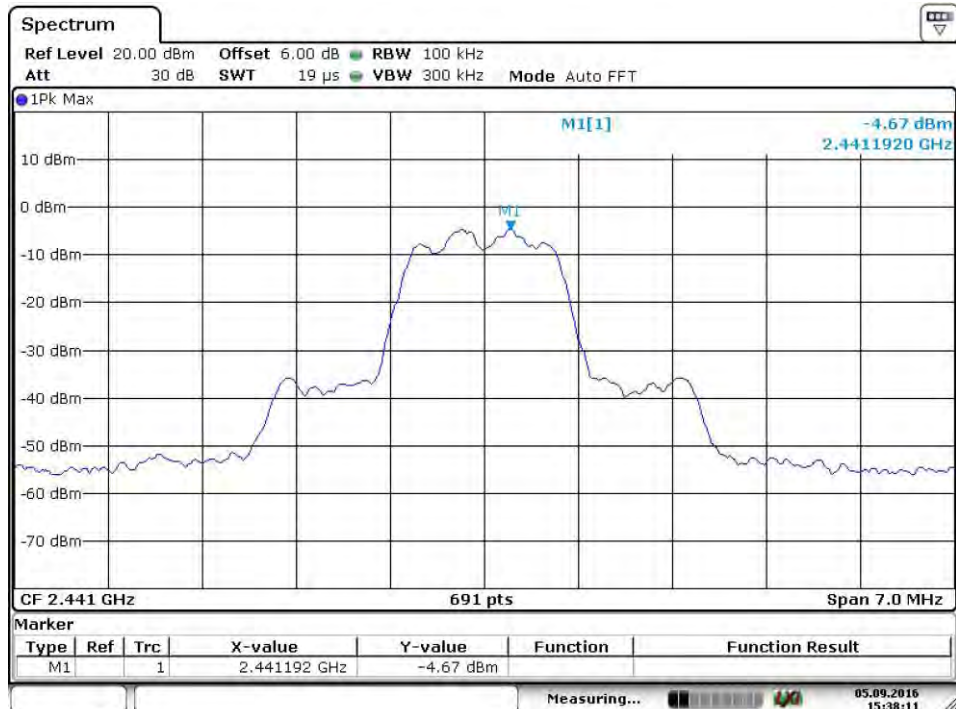
Low Channel



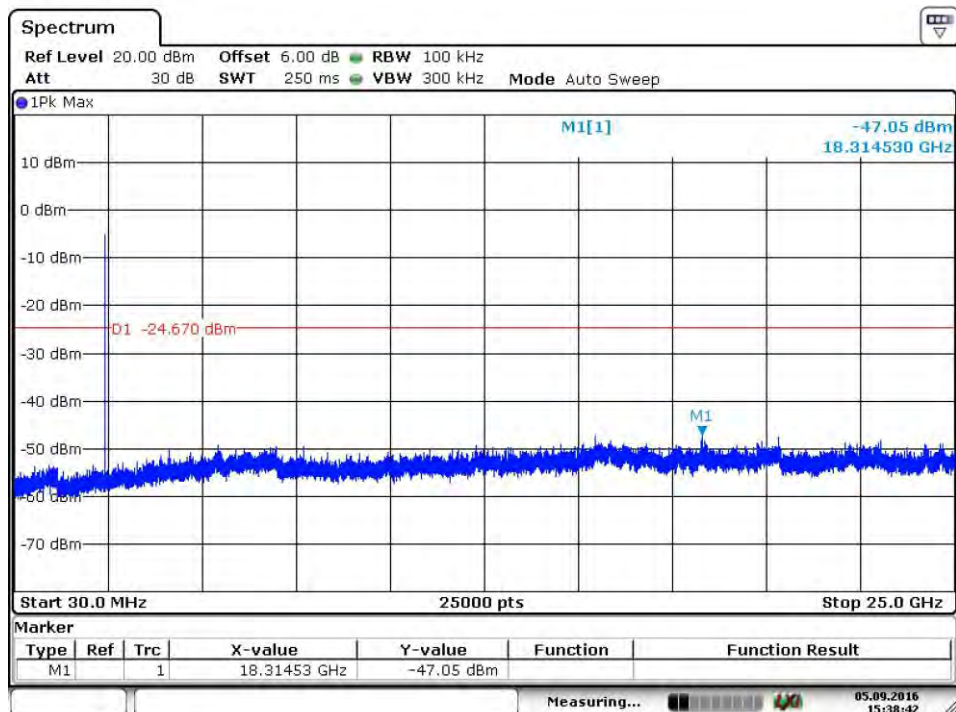
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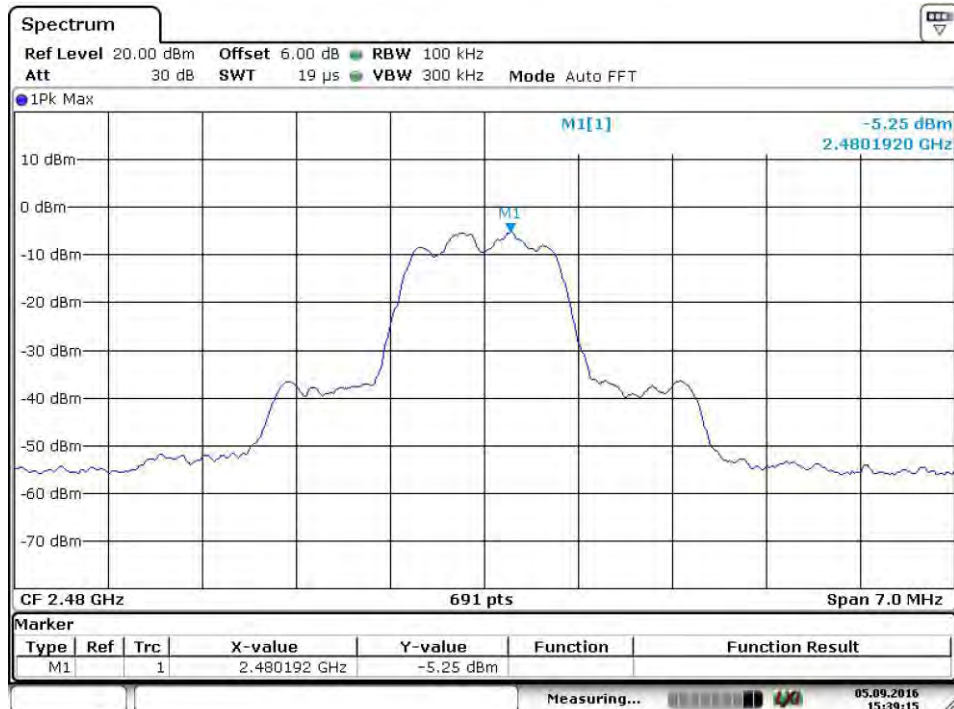
Middle Channel


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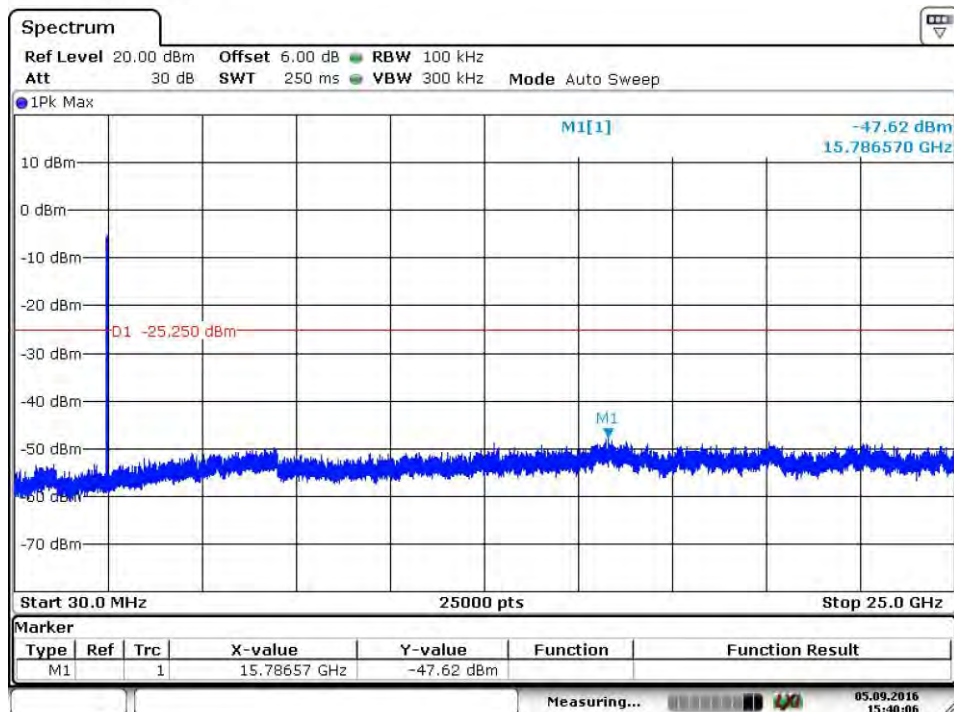


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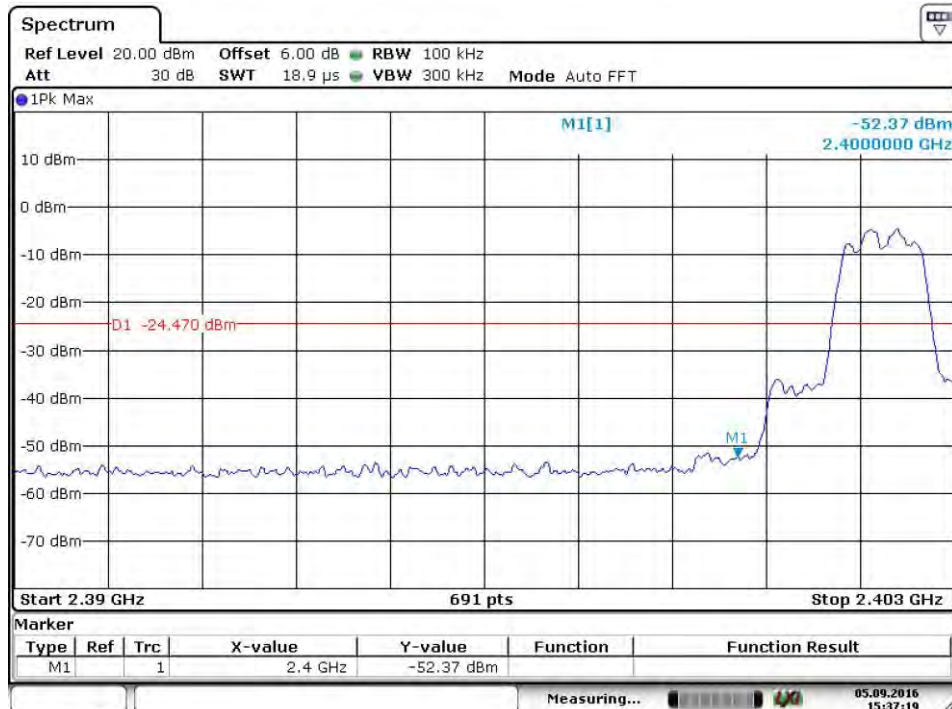
High Channel



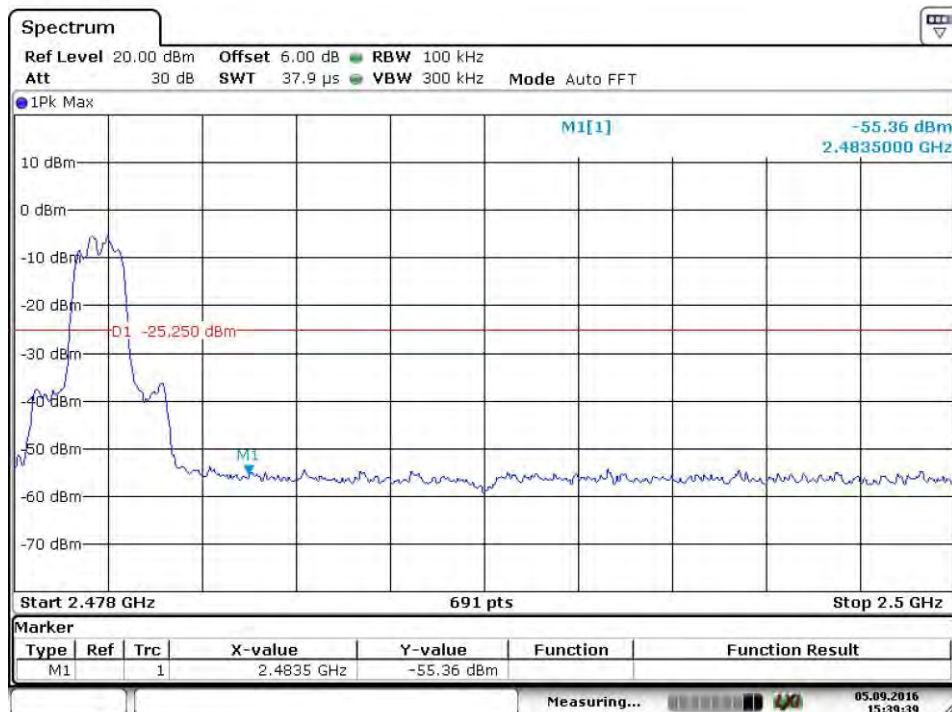
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Date: 5.SEP.2016 15:40:06

Band Edge


Date: 5.SEP.2016 15:37:19



Date: 5.SEP.2016 15:39:38

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5.1.5 Spurious Emission

RESULT:**Pass**

Date of testing	:	2016-09-14 to 2016-09-17
Test standard	:	FCC part 15.247(d) RSS-Gen
Basic standard	:	ANSI C63.10: 2013 Clause 11 of KDB 558074 v03r01
Limits	:	FCC part 15.209(a)
Kind of test site	:	3m Semi-Anechoic Chamber & Anechoic Chamber

Test setup

Test Channel	:	Low/ Middle/ High
Operation mode	:	A.1.a
Ambient temperature	:	24°C
Relative humidity	:	53%
Atmospheric pressure	:	101kPa

For details refer to following test plot.

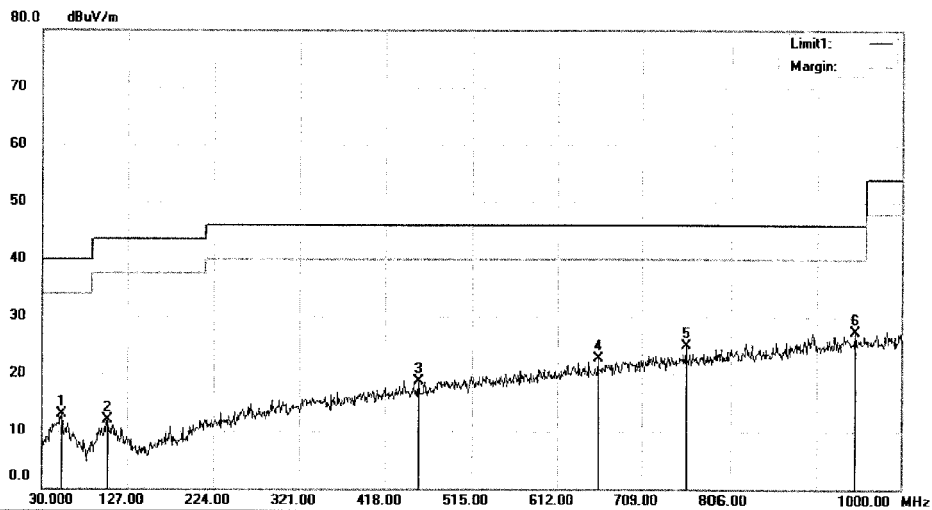
Shenzhen EMTEK Co., Ltd.
 Bldg. 69, Majialong Industry Zone, Nanshan District, Shenzhen, Guangdong, 518052 P. R. China
 www.emtek.com.cn Tel: +86-755-2695 4280 Fax: +86-755-2695 4282

Radiated Emission Measurement

File :TUV

Data :#1848

Date: 2016/09/14



Site 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode:GFSK 2402

Note:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		52.3100	27.62	-14.77	12.85	40.00	-27.15	QP		
2		103.7200	27.19	-15.29	11.90	43.50	-31.60	QP		
3		455.8300	27.61	-8.82	18.79	46.00	-27.21	QP		
4		658.5600	27.59	-4.88	22.71	46.00	-23.29	QP		
5		759.4400	28.15	-3.31	24.84	46.00	-21.16	QP		
6	*	947.6200	27.97	-0.75	27.22	46.00	-18.78	QP		

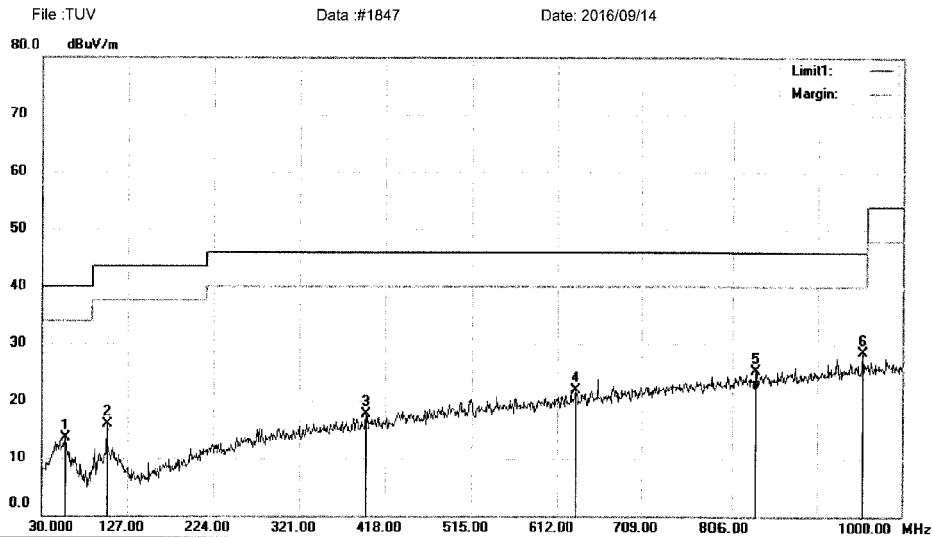
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Operator: KK

File :TUV\Data :#1848

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Radiated Emission Measurement


Site 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode: GFSK 2402

Note:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree Comment
1		56.1900	28.66	-15.24	13.42	40.00	-26.58	QP		
2		103.7200	31.24	-15.29	15.95	43.50	-27.55	QP		
3		396.6600	27.16	-9.48	17.68	46.00	-28.32	QP		
4		633.3400	27.28	-5.29	21.99	46.00	-24.01	QP		
5		832.1900	27.65	-2.31	25.34	46.00	-20.66	QP		
6	*	955.3800	29.18	-0.63	28.55	46.00	-17.45	QP		

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

Operator: KK

File: TUV\Data: #1847

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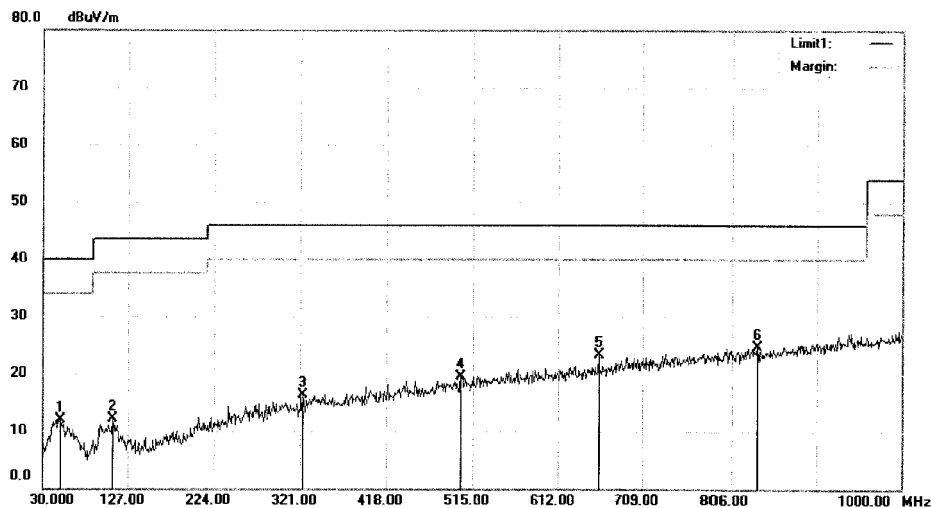
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Radiated Emission Measurement

File : TUV

Data : #1850

Date : 2016/09/14



Site 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode: GFSK 2441

Note:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table
		MHz	dBuV	Factor	ment	dBuV/m	dB	Height	Degree
			dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree
1		50.3700	26.55	-14.55	12.00	40.00	-28.00	QP	
2		109.5400	27.47	-15.38	12.09	43.50	-31.41	QP	
3		323.9100	27.40	-11.03	16.37	46.00	-29.63	QP	
4		501.4200	26.97	-7.41	19.56	46.00	-26.44	QP	
5		658.5600	28.09	-4.88	23.21	46.00	-22.79	QP	
6	*	835.1000	26.96	-2.28	24.68	46.00	-21.32	QP	

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

Operator: KK

File : TUV\Data : #1850

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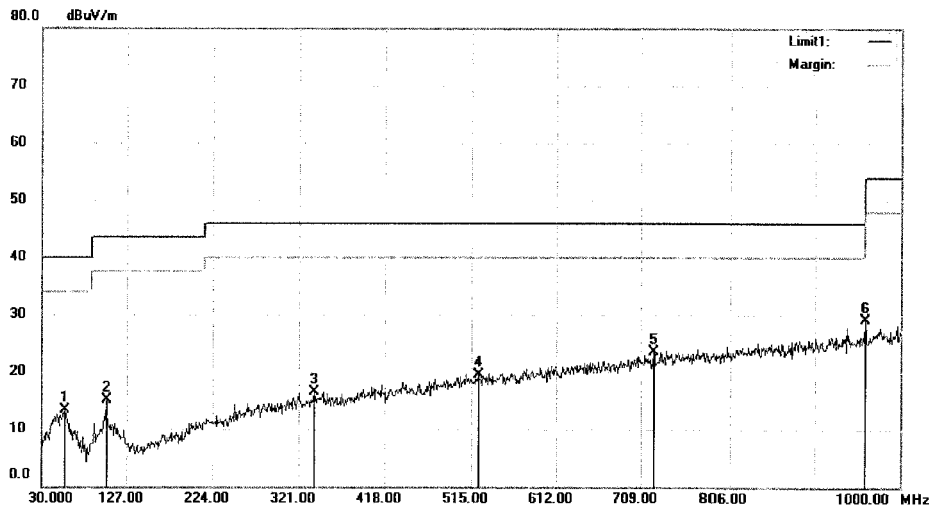
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Radiated Emission Measurement

File: TUV

Data: #1849

Date: 2016/09/14



Site: 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode: GFSK 2441

Note:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table	
		MHz	dBuV	Factor	ment			Height	Degree	
			dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		56.1900	28.47	-15.24	13.23	40.00	-26.77	QP		
2		103.7200	30.40	-15.29	15.11	43.50	-28.39	QP		
3		338.4600	26.79	-10.28	16.51	46.00	-29.49	QP		
4		522.7600	26.64	-7.06	19.58	46.00	-26.42	QP		
5	*	723.5500	27.26	-3.84	23.42	46.00	-22.58	QP		
6		960.2300	29.59	-0.55	29.04	54.00	-24.96	QP		

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

Operator: KK

File: TUV\Data: #1849

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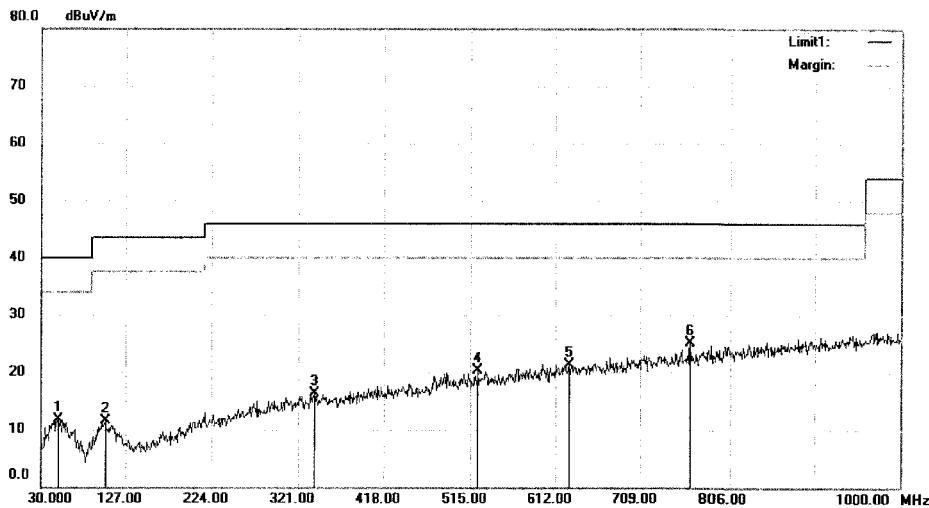
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Radiated Emission Measurement

File :TUV

Data :#1852

Date: 2016/09/14



Site 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode:GFSK 2480

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		50.3700	26.28	-14.55	11.73	40.00	-28.27	QP		
2		103.7200	26.82	-15.29	11.53	43.50	-31.97	QP		
3		339.4300	26.54	-10.23	16.31	46.00	-29.69	QP		
4		523.7300	27.27	-7.05	20.22	46.00	-25.78	QP		
5		627.5200	26.78	-5.40	21.38	46.00	-24.62	QP		
6	*	765.2600	28.30	-3.23	25.07	46.00	-20.93	QP		

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

Operator: KK

File :TUV\Data :#1852

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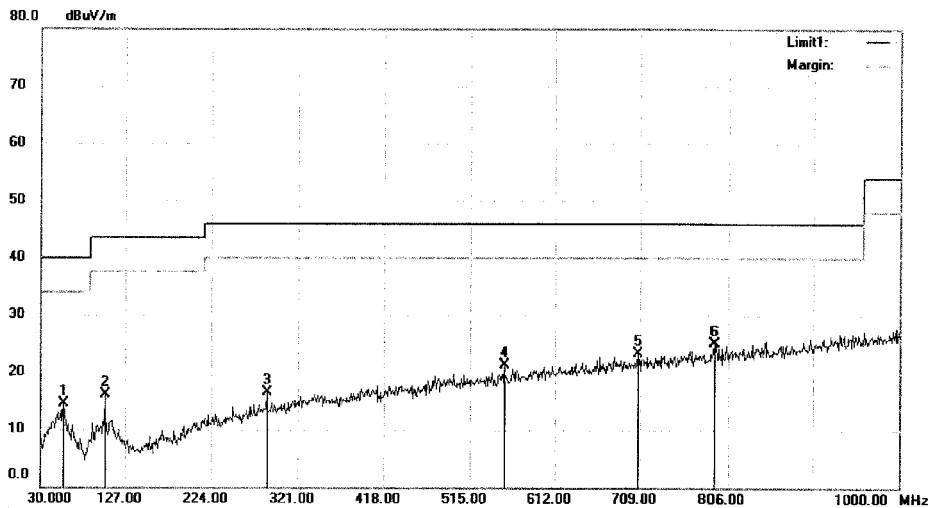
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Radiated Emission Measurement

File :TUV

Data :#1851

Date: 2016/09/14



Site 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode:GFSK 2480

Note:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		56.1900	29.69	-15.24	14.45	40.00	-25.55	QP		
2		103.7200	31.35	-15.29	16.06	43.50	-27.44	QP		
3		286.0800	28.59	-12.10	16.49	46.00	-29.51	QP		
4		553.8000	27.87	-6.58	21.29	46.00	-24.71	QP		
5		707.0600	27.30	-4.09	23.21	46.00	-22.79	QP		
6	*	790.4800	28.04	-2.86	25.18	46.00	-20.82	QP		

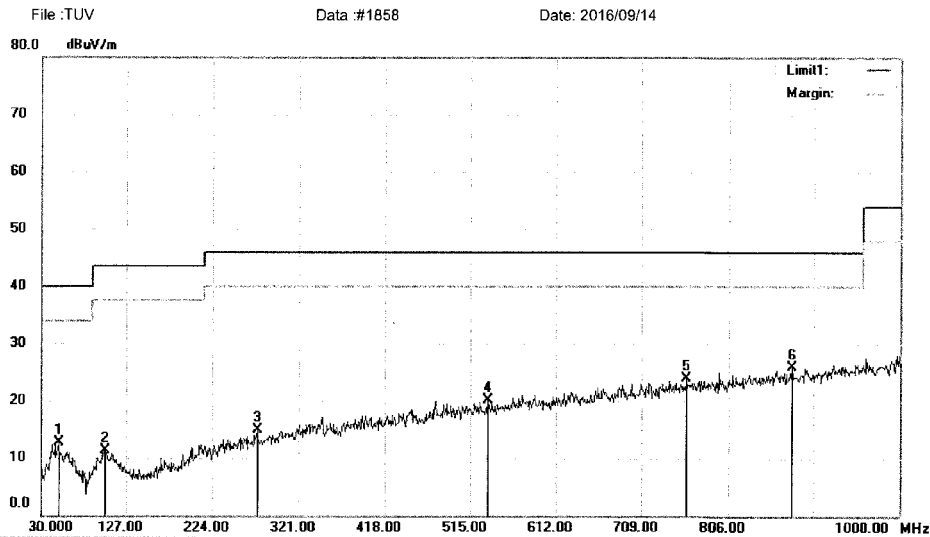
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Operator: KK

File :TUV\Data :#1851

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Radiated Emission Measurement


Site 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode: 8DPSK 2402

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		49.4000	27.03	-14.27	12.76	40.00	-27.24	QP		
2		102.7500	26.70	-15.30	11.40	43.50	-32.10	QP		
3		274.4400	27.49	-12.51	14.98	46.00	-31.02	QP		
4		534.4000	26.90	-6.88	20.02	46.00	-25.98	QP		
5		760.4100	27.12	-3.31	23.81	46.00	-22.19	QP		
6	*	878.7500	27.69	-1.73	25.96	46.00	-20.04	QP		

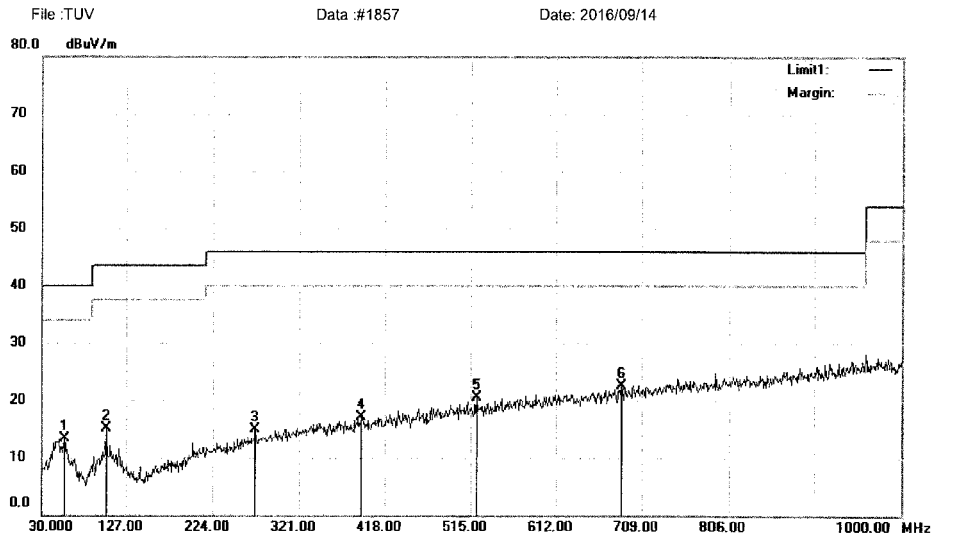
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Operator: KK

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Radiated Emission Measurement


Site 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode: 8DPSK 2402

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		56.1900	28.62	-15.24	13.38	40.00	-26.62	QP		
2		103.7200	30.32	-15.29	15.03	43.50	-28.47	QP		
3		271.5300	27.43	-12.59	14.84	46.00	-31.16	QP		
4		391.8100	26.75	-9.66	17.09	46.00	-28.91	QP		
5		521.7900	27.57	-7.08	20.49	46.00	-25.51	QP		
6	*	686.6900	27.00	-4.41	22.59	46.00	-23.41	QP		

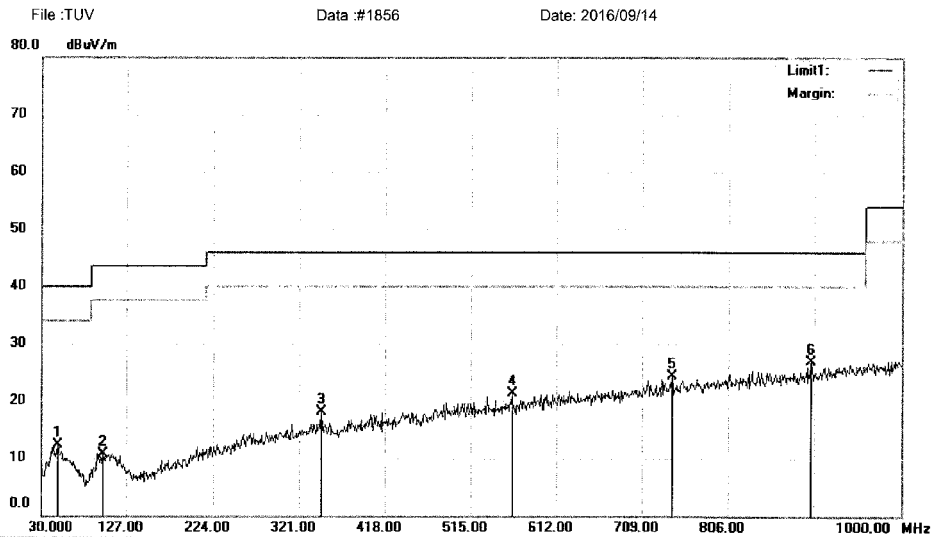
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Operator: KK

File: TUV\Data: #1857

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Radiated Emission Measurement


Site 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode: 8DPSK 2441

Note:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		48.4300	26.16	-13.90	12.26	40.00	-27.74	QP		
2		100.8100	26.04	-15.27	10.77	43.50	-32.73	QP		
3		346.2200	28.41	-10.30	18.11	46.00	-27.89	QP		
4		561.5600	27.84	-6.46	21.38	46.00	-24.62	QP		
5		742.9500	27.92	-3.56	24.36	46.00	-21.64	QP		
6	*	899.1200	28.47	-1.47	27.00	46.00	-19.00	QP		

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

Operator: KK

File: TUV\Data: #1856

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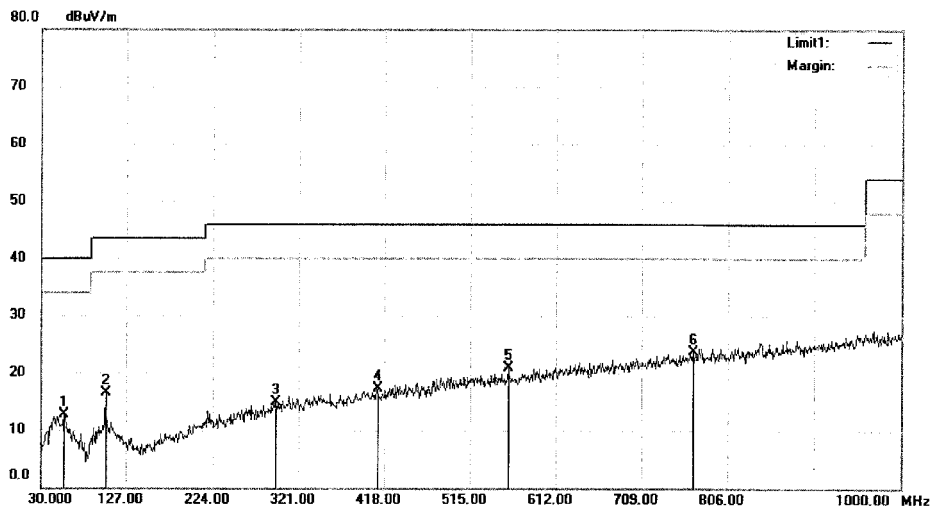
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Radiated Emission Measurement

File :TUV

Data :#1855

Date: 2016/09/14



Site 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode:8DPSK 2441

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		56.1900	27.92	-15.24	12.68	40.00	-27.32	QP		
2		103.7200	31.73	-15.29	16.44	43.50	-27.06	QP		
3		295.7800	26.57	-11.69	14.88	46.00	-31.12	QP		
4		410.2400	26.56	-9.33	17.23	46.00	-28.77	QP		
5		557.6800	27.50	-6.52	20.98	46.00	-25.02	QP		
6	*	767.2000	26.86	-3.20	23.66	46.00	-22.34	QP		

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

Operator: KK

File :TUV\Data :#1855

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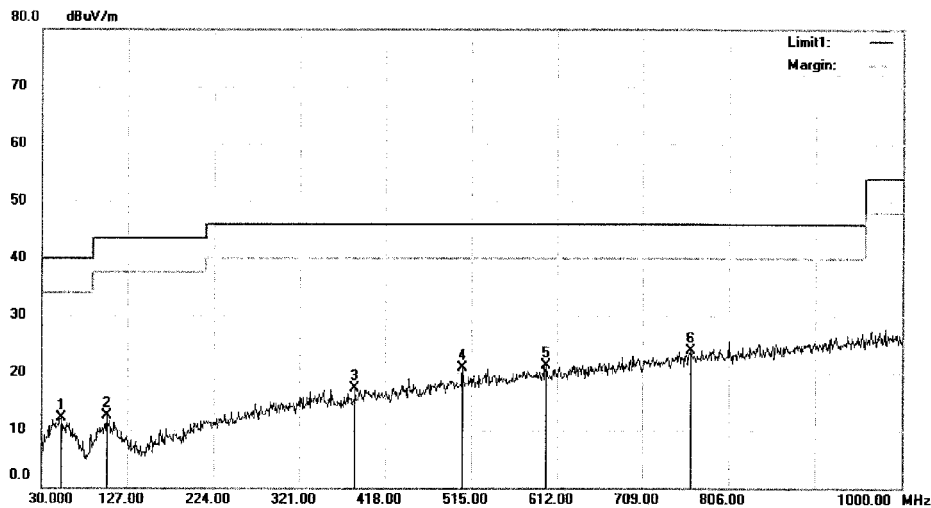
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Radiated Emission Measurement

File :TUV

Data :#1854

Date: 2016/09/14



Site 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode: 8DPSK 2480

Note:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table	
		MHz	dBuV	Factor	ment	dBuV/m	dB	Height	Degree	
			dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		52.3100	26.84	-14.77	12.07	40.00	-27.93	QP		
2		103.7200	27.82	-15.29	12.53	43.50	-30.97	QP		
3		384.0500	27.32	-9.94	17.38	46.00	-28.62	QP		
4		505.3000	28.16	-7.34	20.82	46.00	-25.18	QP		
5		599.3900	27.20	-5.86	21.34	46.00	-24.66	QP		
6	*	763.3200	27.22	-3.27	23.95	46.00	-22.05	QP		

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

Operator: KK

File :TUV\Data :#1854

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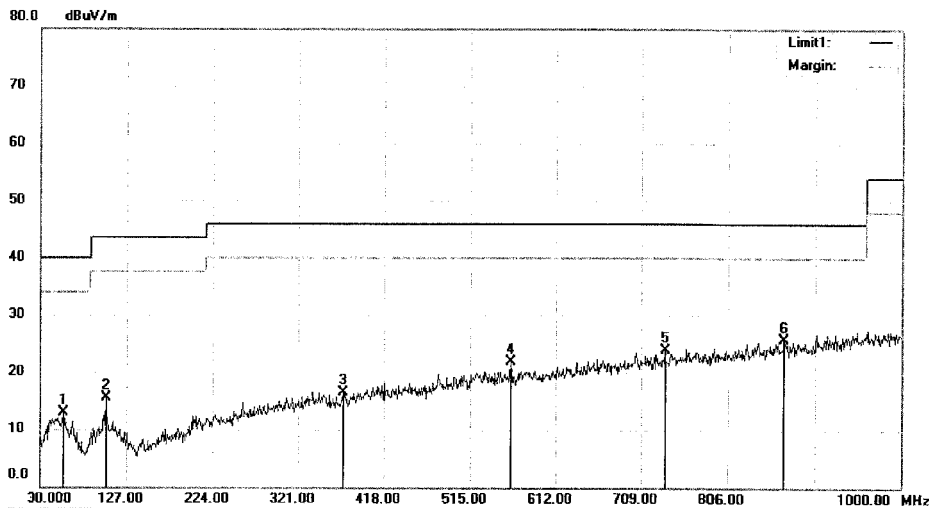
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Radiated Emission Measurement

File :TUV

Data :#1853

Date: 2016/09/14



Site 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode:8DPSK 2480

Note:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		56.1900	28.24	-15.24	13.00	40.00	-27.00	QP		
2		103.7200	30.83	-15.29	15.54	43.50	-27.96	QP		
3		371.4400	26.87	-10.28	16.59	46.00	-29.41	QP		
4		560.5900	28.31	-6.47	21.84	46.00	-24.16	QP		
5		736.1600	27.67	-3.67	24.00	46.00	-22.00	QP		
6	*	869.0500	27.46	-1.85	25.61	46.00	-20.39	QP		

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

Operator: KK

File :TUV\Data :#1853

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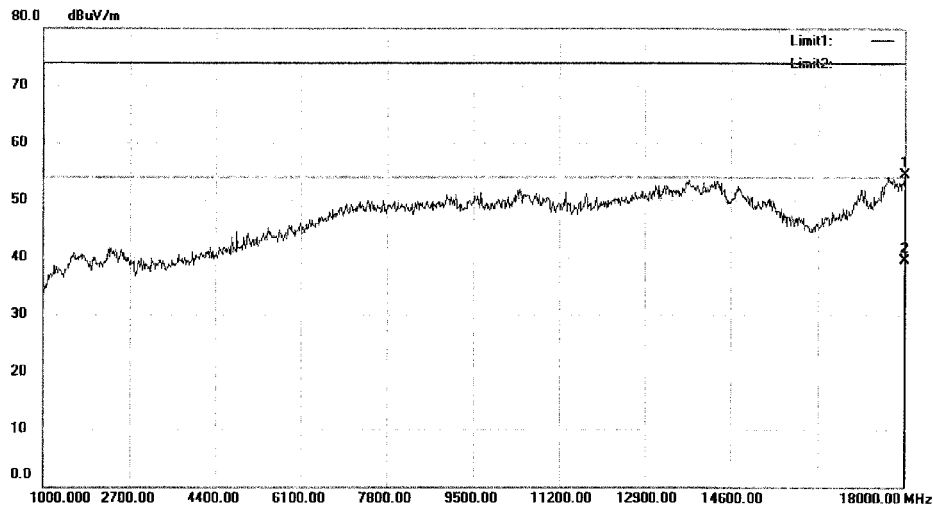
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Radiated Emission Measurement

File :TUV

Data :#2216

Date: 16/09/17/



Site 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode:GFSK 2402

Note:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		18000.00	-4.05	58.52	54.47	74.00	-19.53	peak		
2	*	18000.00	-19.02	58.52	39.50	54.00	-14.50	AVG		

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

Operator: CSL

File :TUV\Data :#2216

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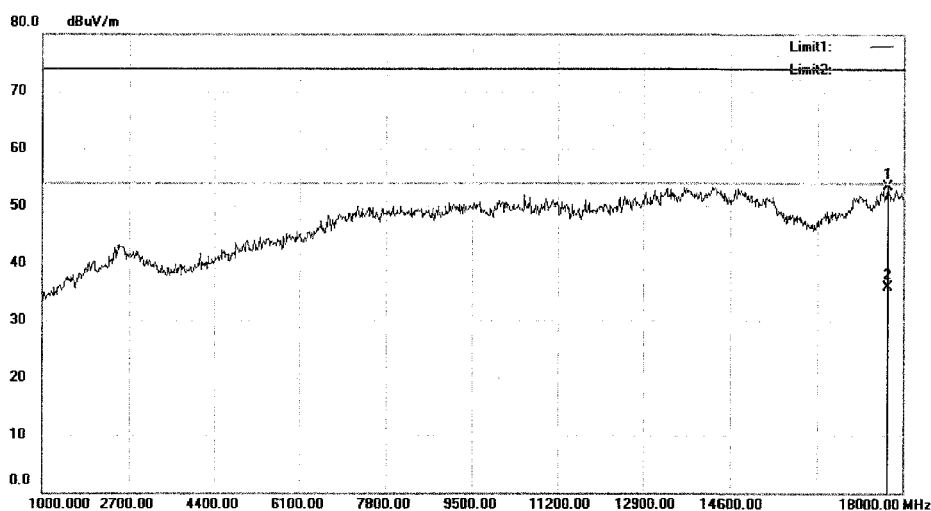
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Radiated Emission Measurement

File: TUV

Data: #2215

Date: 16/09/17/



Site 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode: GFSK 2402

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		17694.00	-3.03	56.47	53.44	74.00	-20.56	peak		
2	*	17694.00	-20.57	56.47	35.90	54.00	-18.10	AVG		

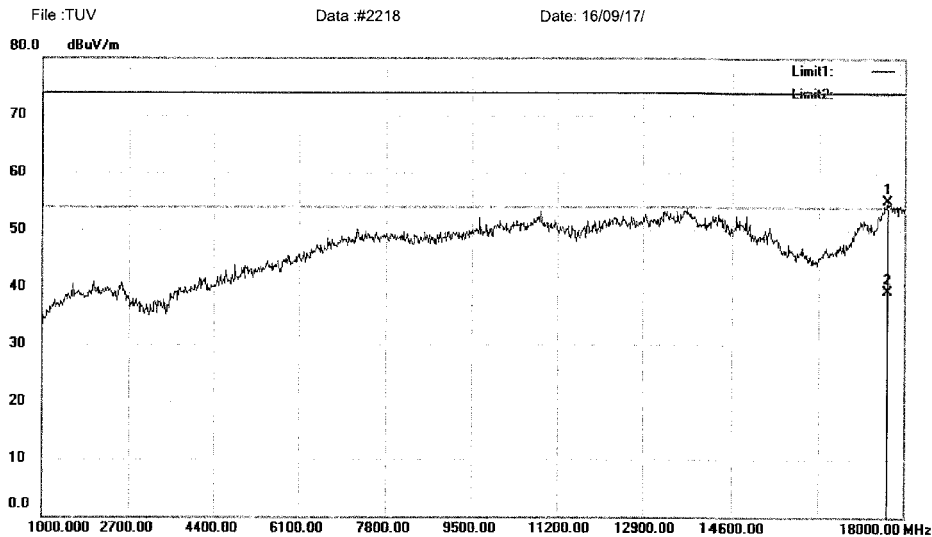
*:Maximum data x:Over limit !:over margin

Operator: CSL

File :TUV\Data :#2215

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Radiated Emission Measurement


Site 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode: GFSK 2441

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree Comment
1		17660.00	-1.06	56.24	55.18	74.00	-18.82	peak		
2	*	17660.00	-16.84	56.24	39.40	54.00	-14.60	AVG		

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

Operator: CSL

File: TUV\Data: #2218

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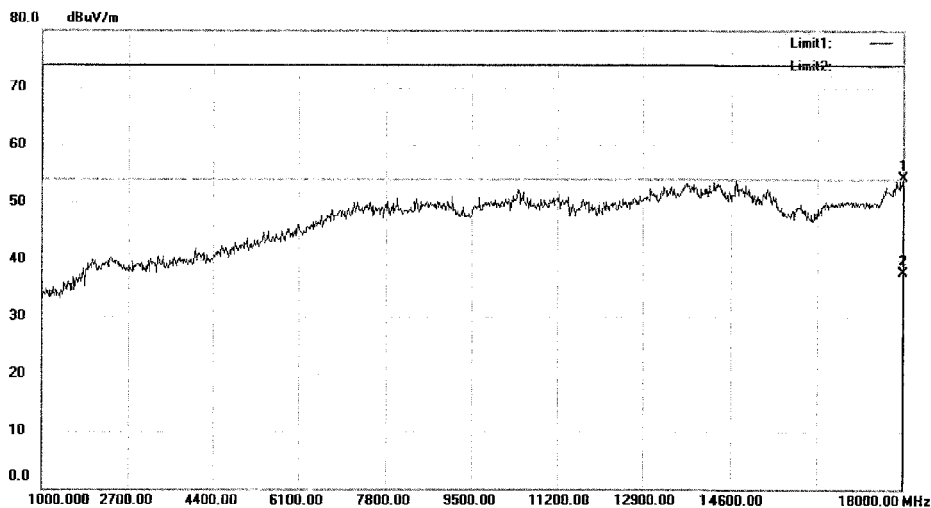
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Radiated Emission Measurement

File: TUV

Data: #2217

Date: 16/09/17/



Site 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode: GFSK 2441

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree Comment
1		18000.00	-4.17	58.52	54.35	74.00	-19.65	peak		
2	*	18000.00	-20.72	58.52	37.80	54.00	-16.20	AVG		

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

Operator: CSL

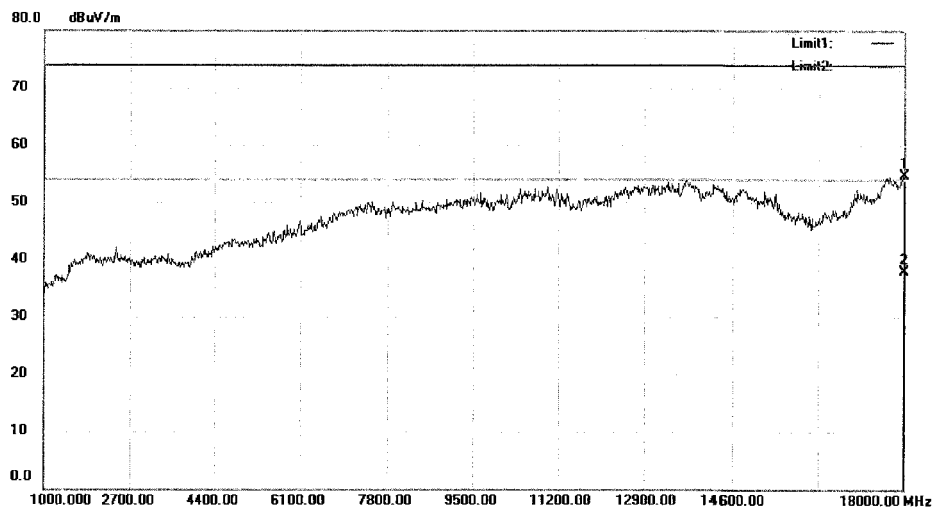
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Page: 1

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Radiated Emission Measurement

File : TUV Data : #2220 Date : 16/09/17/



Site 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode: GFSK 2480

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree Comment
1		18000.00	-3.85	58.52	54.67	74.00	-19.33	peak		
2	*	18000.00	-20.62	58.52	37.90	54.00	-16.10	AVG		

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

Operator: CSL

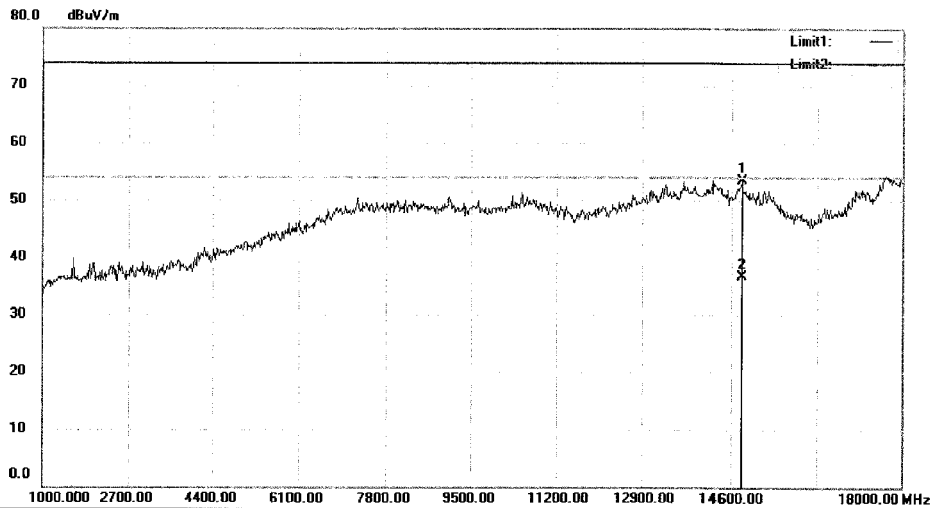
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Radiated Emission Measurement

File :TUV Data :#2219 Date: 16/09/17/



Site 3m Chamber #3

Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode:GFSK 2480

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		14804.00	1.07	52.42	53.49	74.00	-20.51	peak		
2	*	14804.00	-15.72	52.42	36.70	54.00	-17.30	AVG		

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

Operator: CSL

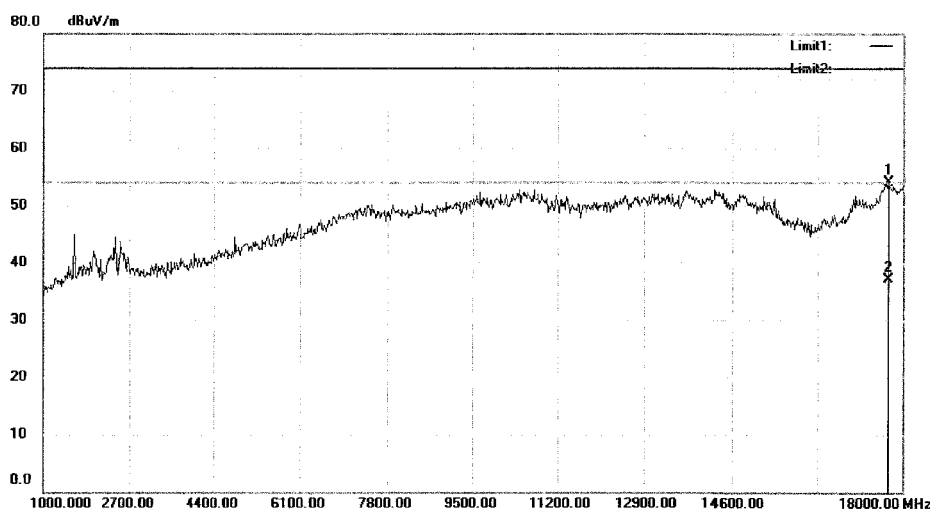
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Radiated Emission Measurement

File : TUV Data : #2226 Date : 16/09/17/



Site 3m Chamber #3 Polarization: **Horizontal** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Bluetooth Receiver
 M/N: NS-CAHBT
 Mode: 8DPSK 2402
 Note:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table
		MHz	Level	Factor	ment			Height	Degree
			dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree
1		17711.00	-2.53	56.58	54.05	74.00	-19.95	peak	
2	*	17711.00	-19.38	56.58	37.20	54.00	-16.80	AVG	

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

Operator: CSL

File : TUV\Data : #2226

Page: 1

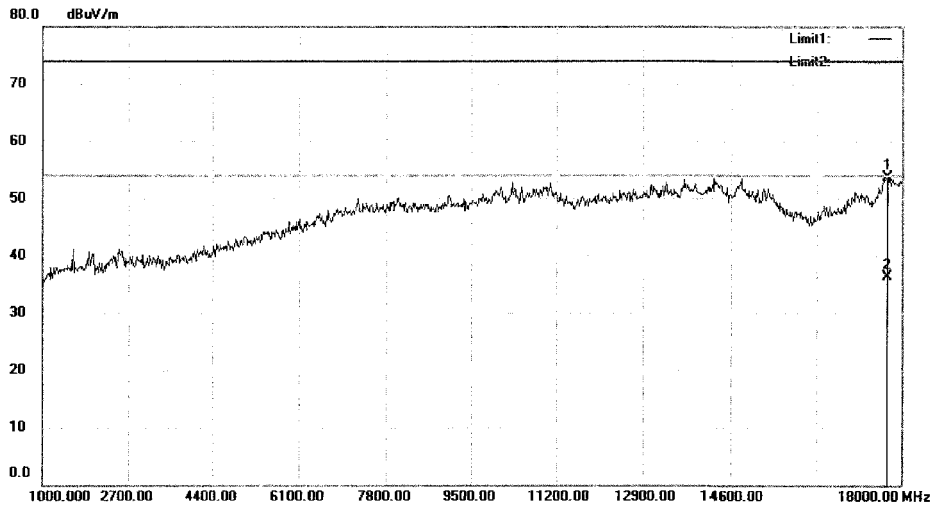
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Radiated Emission Measurement

File :TUV

Data :#2225

Date: 16/09/17/



Site 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode:8DPSK 2402

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree Comment
1		17711.00	-2.95	56.58	53.63	74.00	-20.37	peak		
2	*	17711.00	-20.28	56.58	36.30	54.00	-17.70	AVG		

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

Operator: CSL

File :TUV\Data :#2225

Page: 1

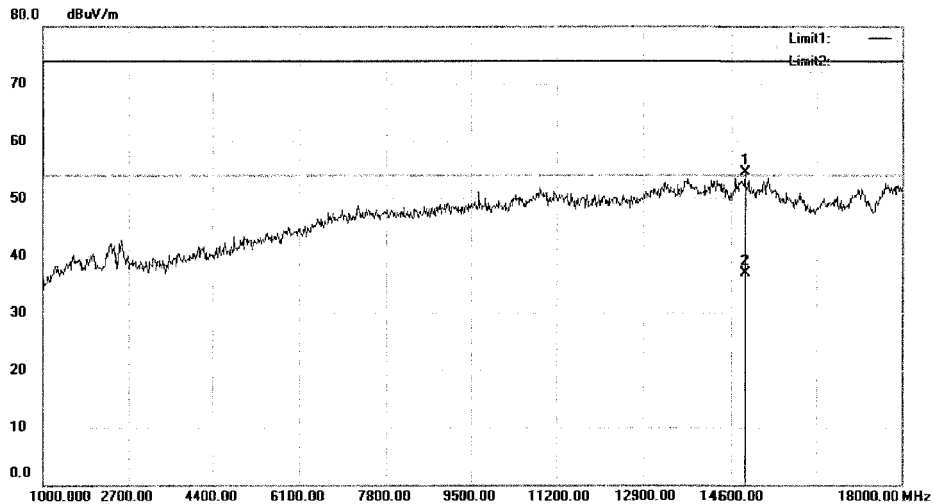
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Radiated Emission Measurement

File :TUV

Data :#2224

Date: 16/09/17/



Site 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode:8DPSK 2441

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree Comment
1		14872.00	2.09	52.37	54.46	74.00	-19.54	peak		
2	*	14872.00	-15.47	52.37	36.90	54.00	-17.10	AVG		

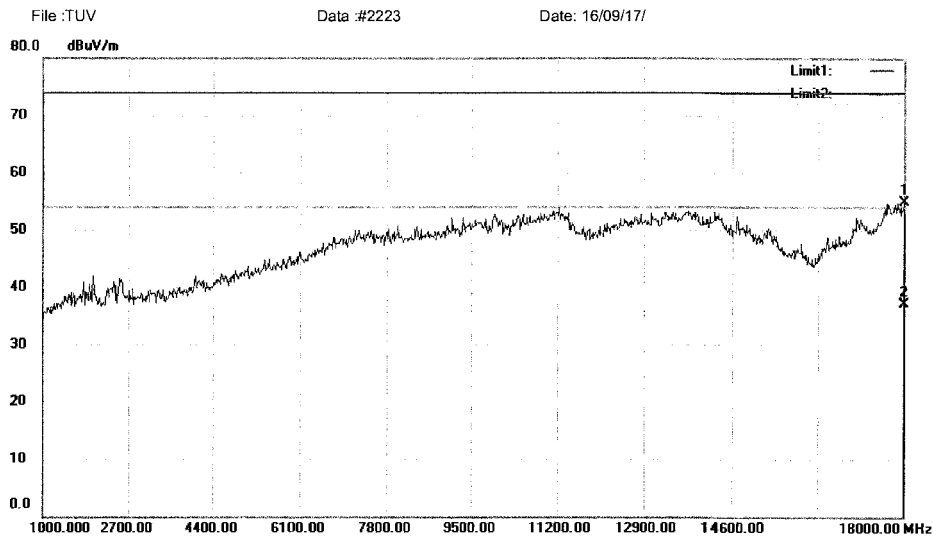
*:Maximum data x:Over limit !:over margin

Operator: CSL

File :TUV\Data :#2224

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Radiated Emission Measurement


Site 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode: 8DPSK 2441

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree Comment
1		18000.00	-3.67	58.52	54.85	74.00	-19.15	peak		
2	*	18000.00	-21.32	58.52	37.20	54.00	-16.80	AVG		

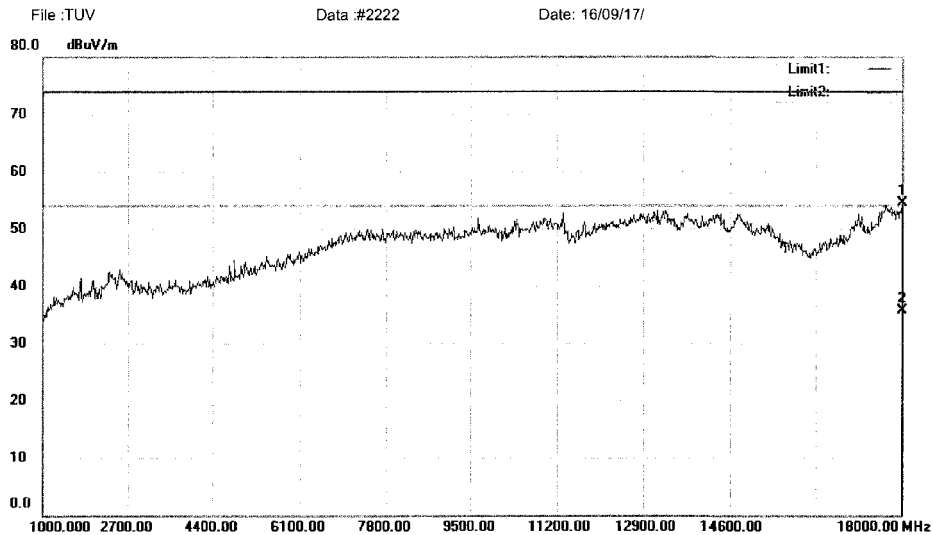
*:Maximum data x:Over limit !:over margin

Operator: CSL

File: TUV\Data: #2223

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Radiated Emission Measurement


Site 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode: 8DPSK 2480

Note:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table
		MHz	Level	Factor	ment			Height	Degree
			dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree
1		18000.00	-4.05	58.52	54.47	74.00	-19.53	peak	
2	*	18000.00	-22.82	58.52	35.70	54.00	-18.30	AVG	

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

Operator: CSL

File: TUV\Data: #2222

Page: 1

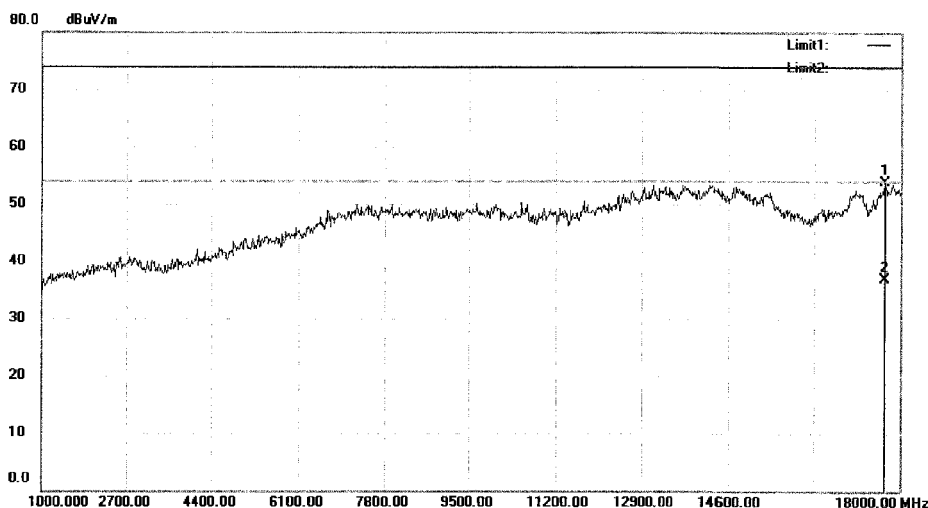
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Radiated Emission Measurement

File: TUV

Data: #2221

Date: 16/09/17/



Site: 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode: 8DPSK 2480

Note:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table
		MHz	Level	Factor	ment			Height	Degree
			dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree
1		17694.00	-2.53	56.47	53.94	74.00	-20.06	peak	
2	*	17694.00	-19.57	56.47	36.90	54.00	-17.10	AVG	

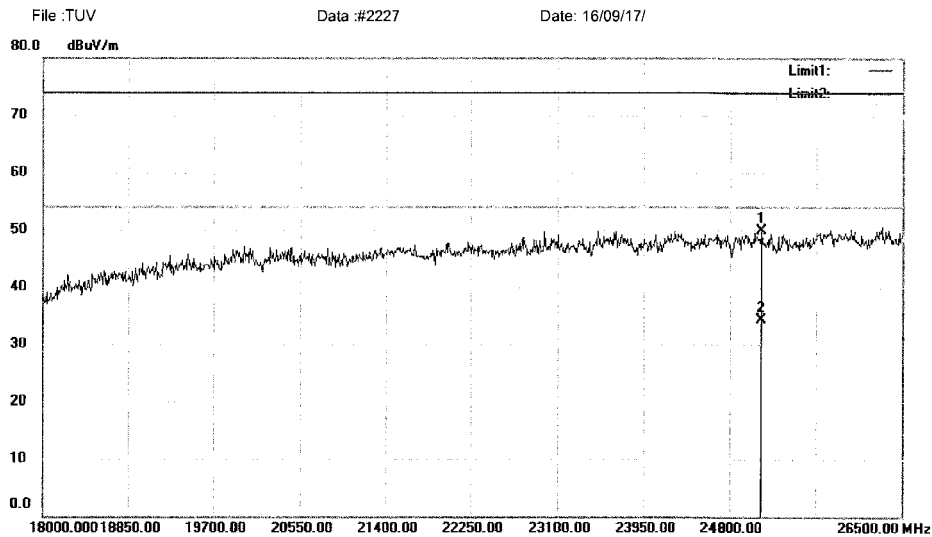
*:Maximum data x:Over limit !:over margin

Operator: CSL

File: TUV\Data: #2221

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Radiated Emission Measurement


Site 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode:GFSK 2402

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		25114.50	86.77	-36.87	49.90	74.00	-24.10	peak	0	
2	*	25114.50	71.13	-36.87	34.26	54.00	-19.74	AVG	0	

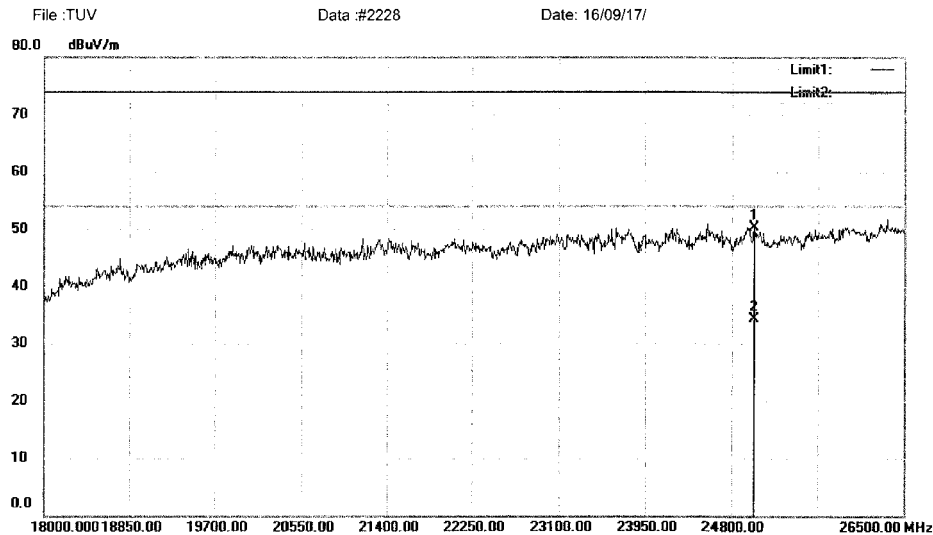
*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV\Data :#2227

Page: 1

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Radiated Emission Measurement


Site 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode: GFSK 2402

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		25021.00	87.36	-36.98	50.38	74.00	-23.62	peak		0
2	*	25021.00	71.21	-36.98	34.23	54.00	-19.77	AVG		0

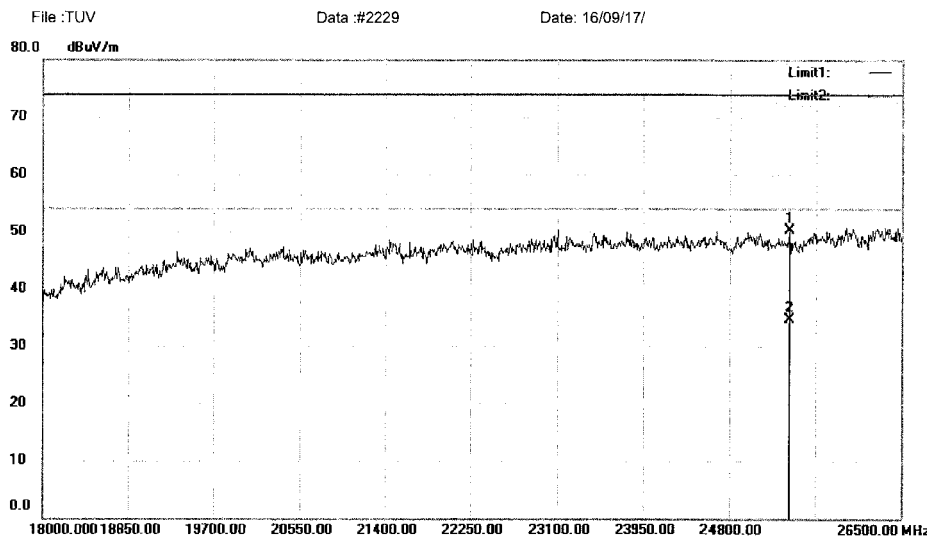
*:Maximum data x:Over limit !:over margin

Operator: KK

File : TUV\Data :#2228

Page: 1

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Radiated Emission Measurement


Site 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode: GFSK 2441

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		25395.00	86.88	-36.53	50.35	74.00	-23.65	peak		0
2	*	25395.00	71.15	-36.53	34.62	54.00	-19.38	AVG		0

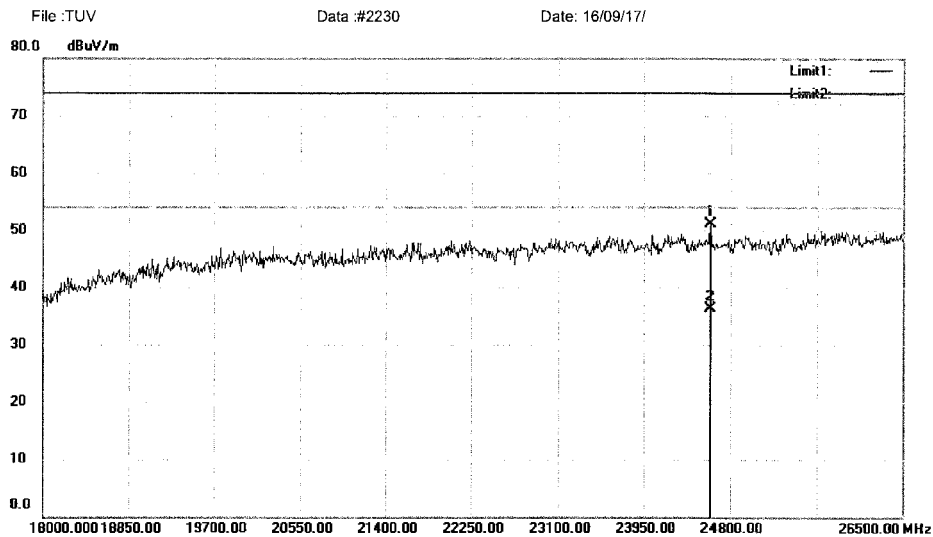
*:Maximum data x:Over limit !:over margin

Operator: KK

File: TUV\Data: #2229

Page: 1

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Radiated Emission Measurement


Site 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode: GFSK 2441

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree
1		24613.00	88.11	-37.06	51.05	74.00	-22.95	peak	0
2	*	24613.00	73.29	-37.06	36.23	54.00	-17.77	AVG	0

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

Operator: KK

File :TUV\Data :#2230

Page: 1

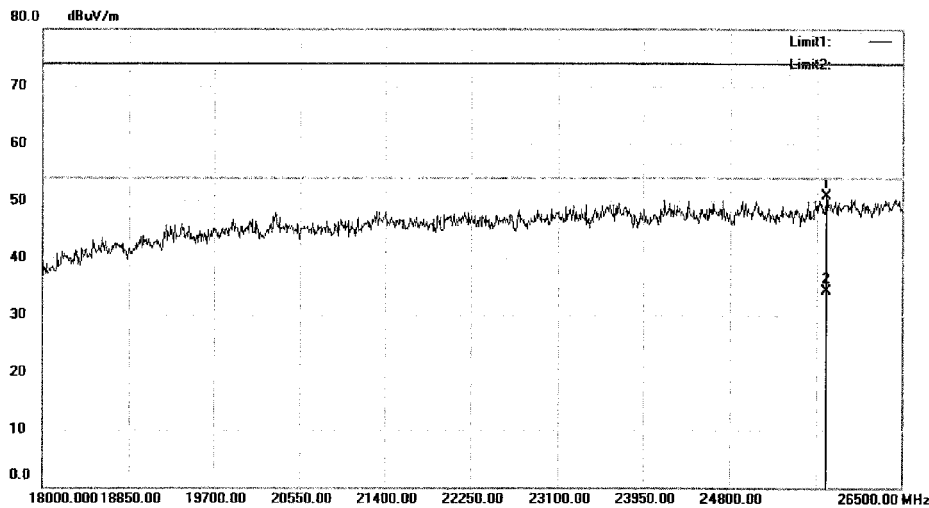
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Radiated Emission Measurement

File :TUV

Data :#2231

Date: 16/09/17/



Site 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode:GFSK 2480

Note:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table	
		MHz	Level	Factor	ment			Height	Degree	
			dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		25743.50	86.93	-36.10	50.83	74.00	-23.17	peak	0	
2	*	25743.50	70.36	-36.10	34.26	54.00	-19.74	AVG	0	

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

Operator: KK

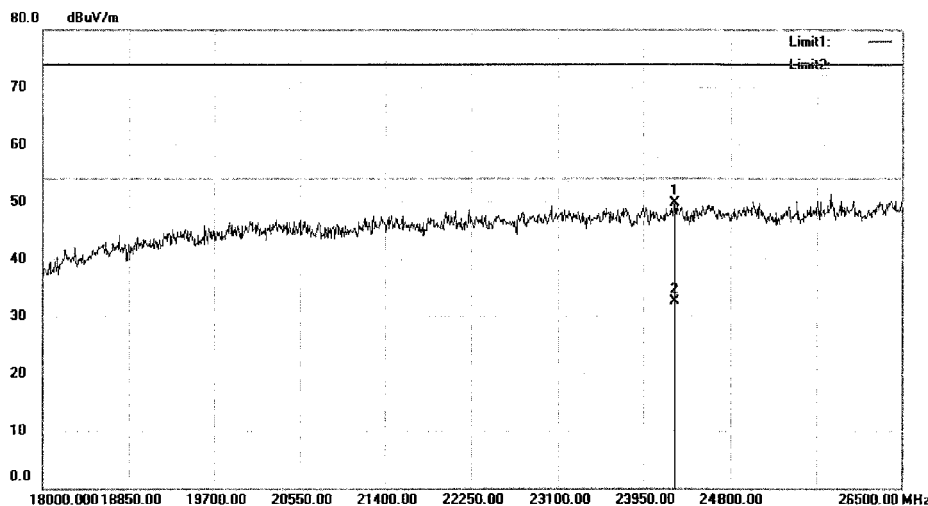
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Radiated Emission Measurement

File :TUV Data :#2232 Date: 16/09/17/



Site 3m Chamber #3

Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode:GFSK 2480

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		24273.00	86.79	-37.10	49.69	74.00	-24.31	peak	0	
2	*	24273.00	69.66	-37.10	32.56	54.00	-21.44	AVG	0	

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

Operator: KK

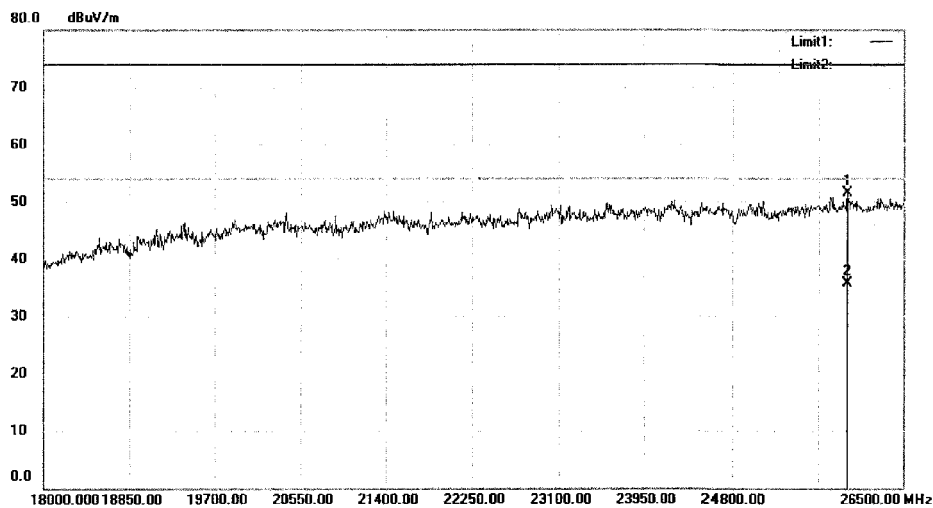
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Page: 1

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Radiated Emission Measurement

File : TUV Data : #2233 Date : 16/09/17/



Site 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode: 8DPSK 2402

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		25939.00	87.43	-35.86	51.57	74.00	-22.43	peak	0	
2	*	25939.00	71.48	-35.86	35.62	54.00	-18.38	AVG	0	

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

Operator: KK

File : TUV\Data : #2233

Page: 1

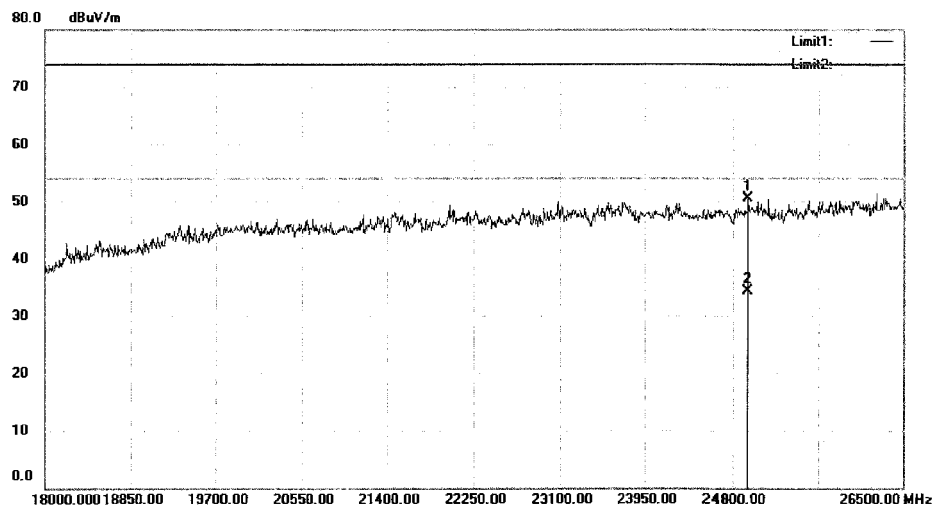
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Radiated Emission Measurement

File :TUV

Data :#2234

Date: 16/09/17/



Site 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode:8DPSK 2402

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		24944.50	87.53	-37.02	50.51	74.00	-23.49	peak	0	
2	*	24944.50	71.28	-37.02	34.26	54.00	-19.74	AVG	0	

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

Operator: KK

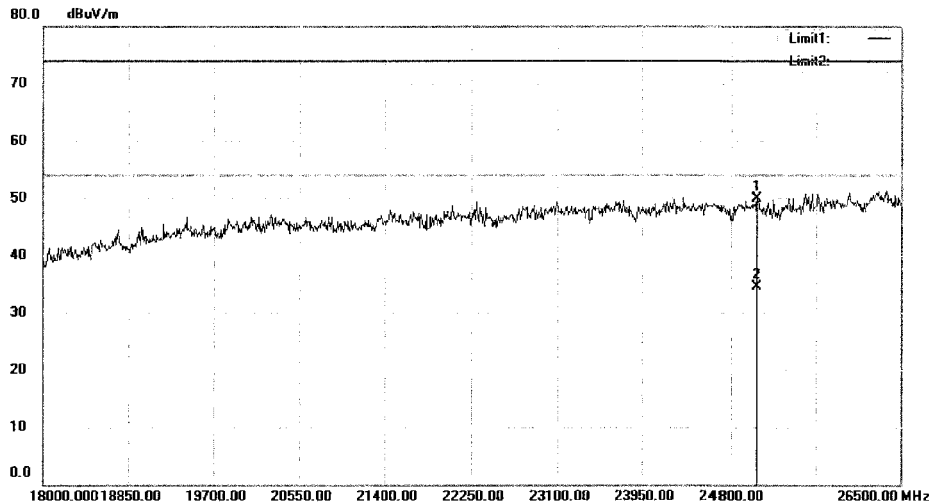
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Radiated Emission Measurement

File :TUV Data :#2235 Date: 16/09/17/



Site 3m Chamber #3 Polarization: **Horizontal** Temperature: 24 C
 Limit: (RE)FCC PART 15 C Power: AC 120V/60Hz Humidity: 53 %
 EUT: Bluetooth Receiver
 M/N: NS-CAHBT
 Mode:8DPSK 2441
 Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		25055.00	86.88	-36.94	49.94	74.00	-24.06	peak	0	
2	*	25055.00	71.45	-36.94	34.51	54.00	-19.49	AVG	0	

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

Operator: KK

File :TUV\Data :#2235

Page: 1

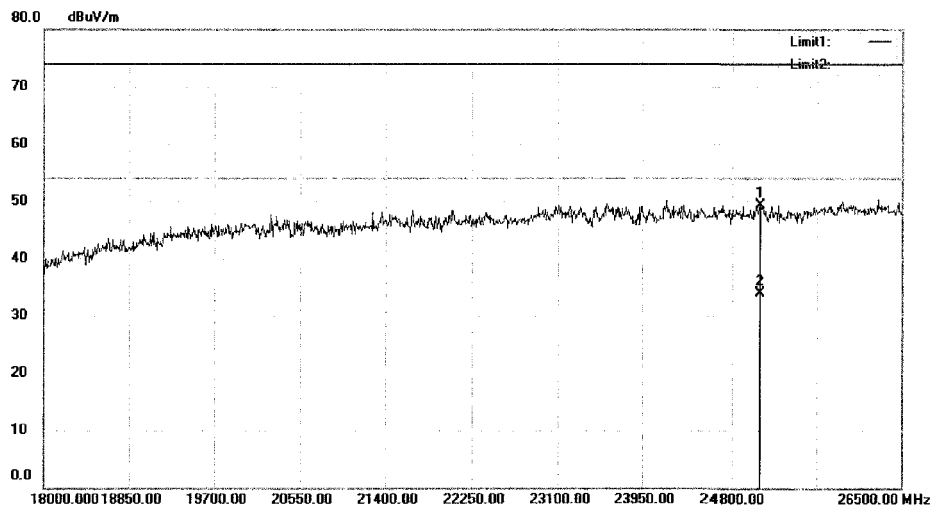
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Radiated Emission Measurement

File :TUV

Data :#2236

Date: 16/09/17/



Site: 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode:8DPSK 2441

Note:

No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	Antenna	Table
		MHz	dBuV	Factor	ment	dBuV/m	dB	Height	Degree
			dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree
1		25072.00	86.32	-36.92	49.40	74.00	-24.60	peak	0
2	*	25072.00	70.87	-36.92	33.95	54.00	-20.05	AVG	0

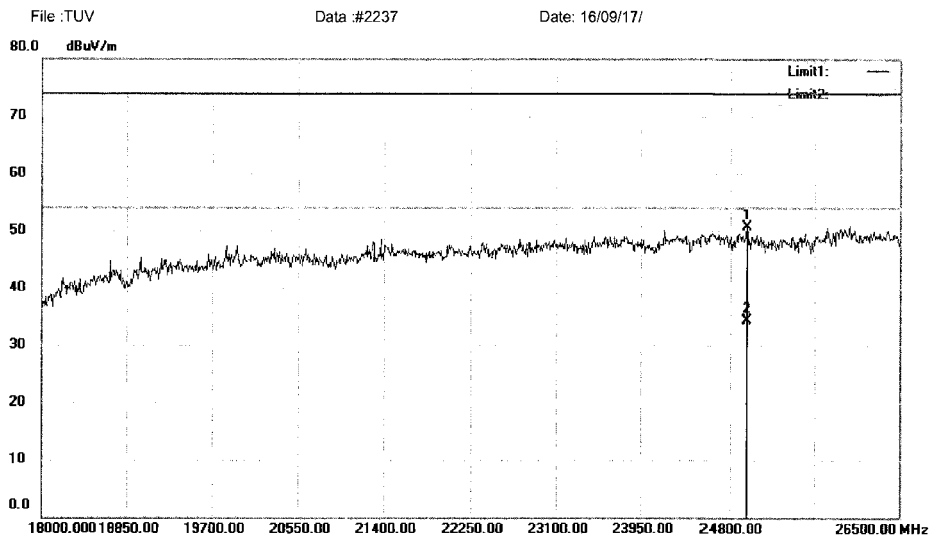
*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV\Data :#2236

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Radiated Emission Measurement


Site 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode: 8DPSK 2480

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree
1		24961.50	87.66	-37.01	50.65	74.00	-23.35	peak	0
2	*	24961.50	71.27	-37.01	34.26	54.00	-19.74	AVG	0

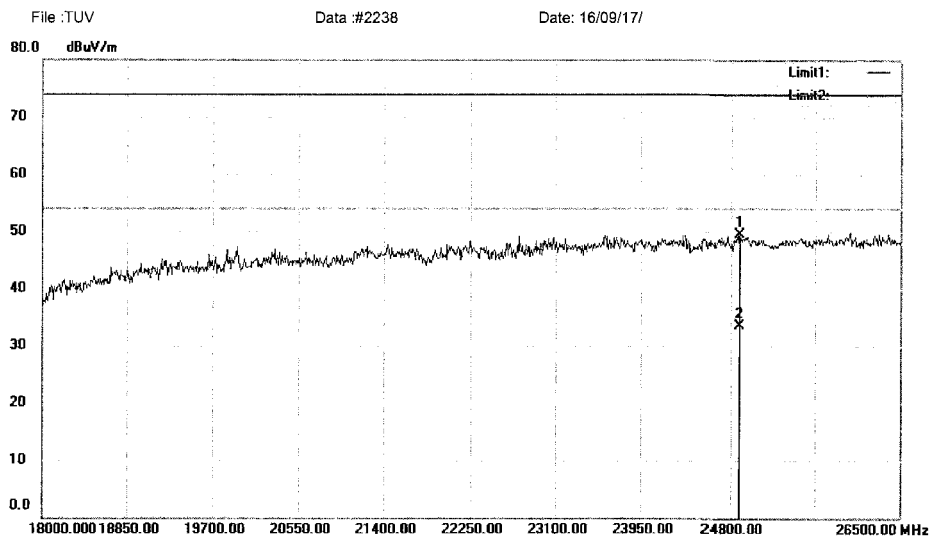
*:Maximum data x:Over limit !:over margin

Operator: KK

File : TUV\Data : #2237

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Radiated Emission Measurement


Site 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode:8DPSK 2480

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		24885.00	86.60	-37.02	49.58	74.00	-24.42	peak	0	
2	*	24885.00	70.61	-37.02	33.59	54.00	-20.41	AVG	0	

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

Operator: KK

File :TUVData :#2238

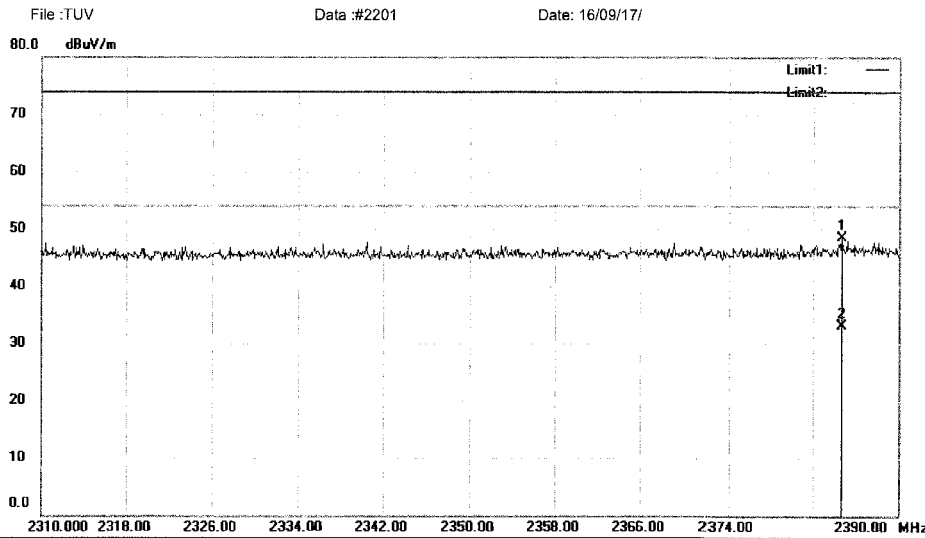
Page: 1

Test Plot of Band Edge

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Radiated Emission Measurement



Site 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode: GFSK 2402

Note:

No. Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Antenna Height	Table Degree	
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1	2384.720	18.23	30.25	48.48	74.00	-25.52	peak		
2 *	2384.720	2.85	30.25	33.10	54.00	-20.90	AVG		

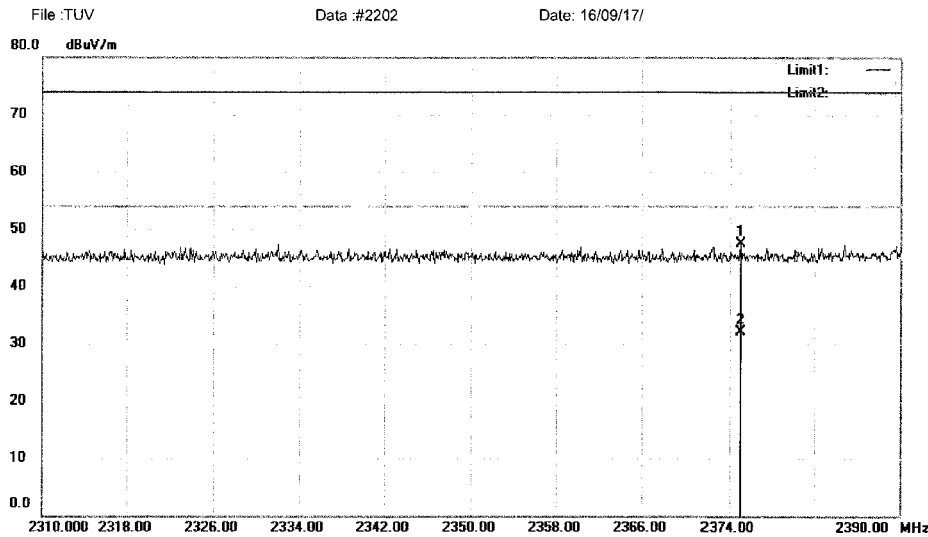
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Operator: CSL

File: TUVData: #2201

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Radiated Emission Measurement


Site 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode:GFSK 2402

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree Comment
1		2374.960	17.26	30.20	47.46	74.00	-26.54	peak		
2	*	2374.960	1.90	30.20	32.10	54.00	-21.90	AVG		

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

Operator: CSL

File :TUV\Data :#2202

Page: 1

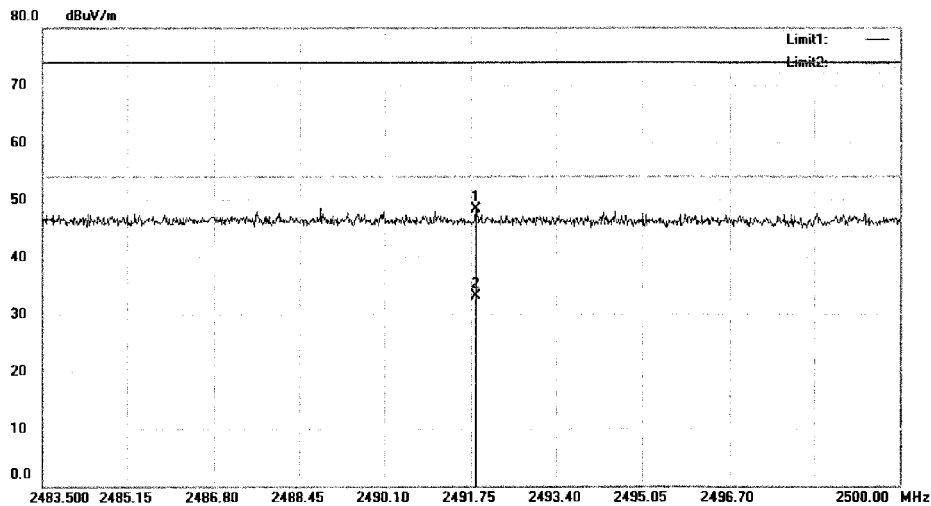
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Radiated Emission Measurement

File : TUV

Data : #2203

Date: 16/09/17/



Site 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode: GFSK 2480

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		2491.849	17.60	30.74	48.34	74.00	-25.66	peak		
2	*	2491.849	2.36	30.74	33.10	54.00	-20.90	AVG		

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

Operator: CSL

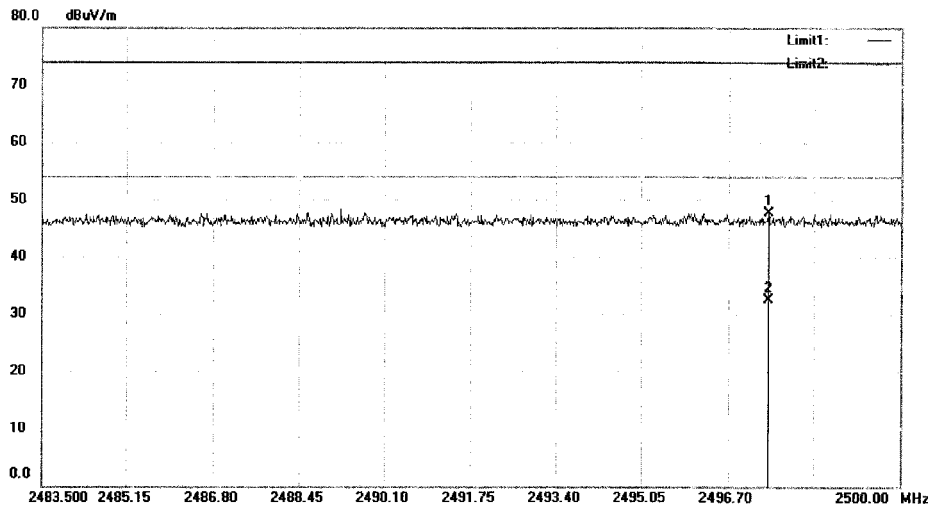
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Page: 1

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Radiated Emission Measurement

File: TUV Data: #2204 Date: 16/09/17/



Site 3m Chamber #3

Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode: GFSK 2480

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree Comment
1		2497.476	16.99	30.77	47.76	74.00	-26.24	peak		
2	*	2497.476	1.83	30.77	32.60	54.00	-21.40	AVG		

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

Operator: CSL

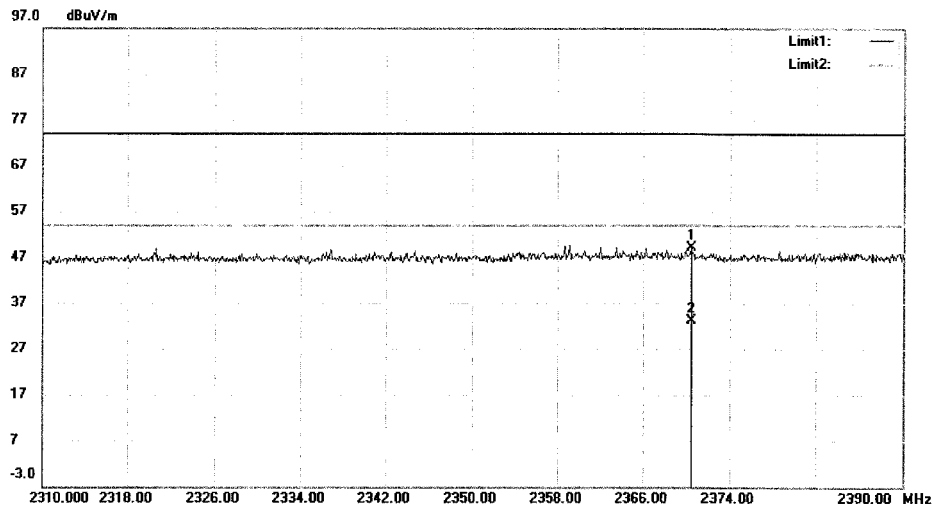
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Page: 1

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Radiated Emission Measurement

File : TUV Data : #2205 Date : 16/09/17/



Site 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode: 8DPSK 2402

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree Comment
1		2370.480	18.97	30.19	49.16	74.00	-24.84	peak		
2	*	2370.480	2.91	30.19	33.10	54.00	-20.90	AVG		

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

Operator: KK

File : TUV\Data : #2205

Page: 1

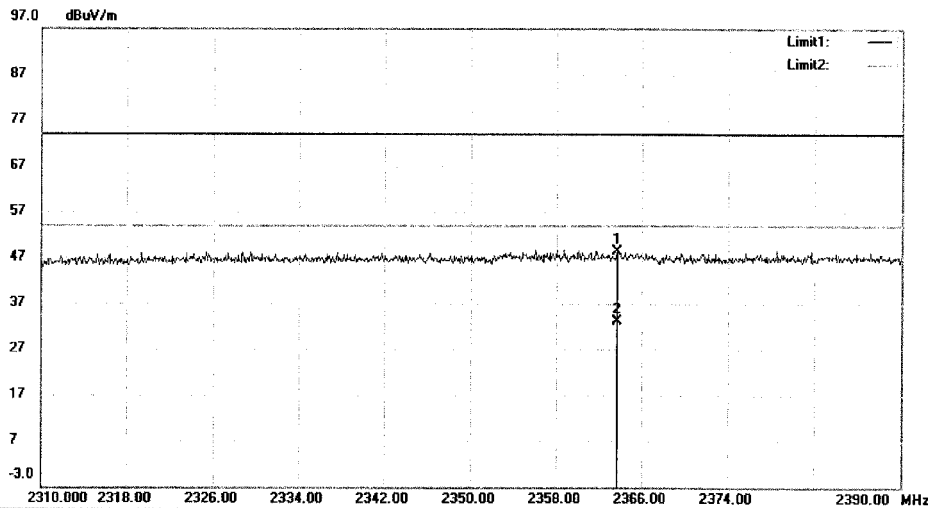
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Radiated Emission Measurement

File :TUV

Data :#2206

Date: 16/09/17/



Site 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode:8DPSK 2402

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		2363.680	18.12	30.16	48.28	74.00	-25.72	peak		
2	*	2363.680	3.04	30.16	33.20	54.00	-20.80	AVG		

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

Operator: KK

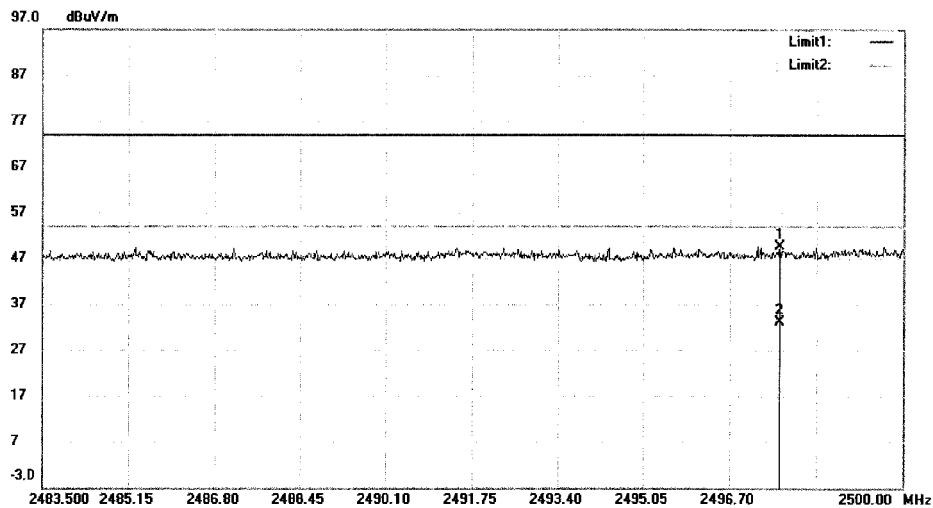
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Page: 1

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Radiated Emission Measurement

File: TUV Data: #2207 Date: 16/09/17/



Site 3m Chamber #3

Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode: 8DPSK 2480

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree Comment
1		2497.657	18.78	30.77	49.55	74.00	-24.45	peak		
2	*	2497.657	2.33	30.77	33.10	54.00	-20.90	AVG		

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

Operator: KK

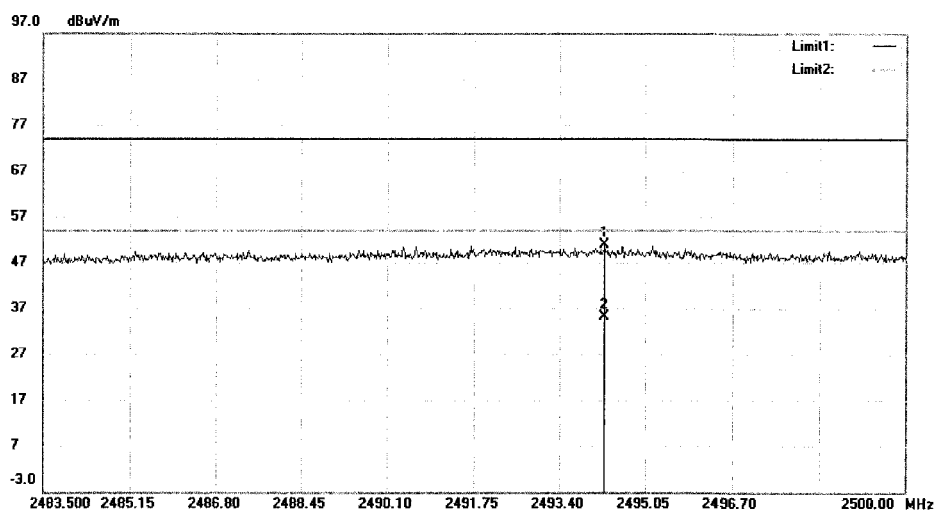
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Page: 1

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Radiated Emission Measurement

File :TUV Data :#2208 Date: 16/09/17/



Site 3m Chamber #3

Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode:8DPSK 2480

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree
1		2494.274	20.18	30.75	50.93	74.00	-23.07	peak	
2	*	2494.274	4.45	30.75	35.20	54.00	-18.80	AVG	

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

Operator: KK

File :TUV\Data :#2208

Page: 1

5.1.6 Frequency Separation

RESULT:

Pass

Date of testing	:	2016-09-02
Test standard	:	FCC part 15.247(a)(1) RSS-247 clause 5.1(2)
Basic standard	:	ANSI C63.10: 2013
Limit	:	≥ 25kHz or two-thirds of 20dB bandwidth, whichever is greater
Kind of test site	:	Shield room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A.1.a
Ambient temperature	:	25°C
Relative humidity	:	50%
Atmospheric pressure	:	101kPa

Table 9: Test result of Frequency Separation

Channel	Channel Frequency (MHz)	Measured Channel Separation (MHz)	Limit (kHz)	Result
Low Channel	2402	0.999	≥ 25kHz or two-thirds of 20dB bandwidth	Pass
Adjacency Channel	2403			
Mid Channel	2441	1.003	≥ 25kHz or two-thirds of 20dB bandwidth	Pass
Adjacency Channel	2442			
High Channel	2479	1.003	≥ 25kHz or two-thirds of 20dB bandwidth	Pass
Adjacency Channel	2480			

Prüfbericht - Nr.: 50058975 001

Test Report No.

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Page 71 of 84

5.1.7 Number of hopping frequency**RESULT:****Pass**

Date of testing : 2016-09-02
Test standard : FCC part 15.247(a)(1)(iii)
RSS-247 clause 5.1(4)
Basic standard : ANSI C63.10: 2013
Limits : ≥ 15 non-overlapping channels
Kind of test site : Shield room

Test setup

Test Channel : Low/ Middle/ High
Operation Mode : A.1.a
Ambient temperature : 25°C
Relative humidity : 50%
Atmospheric pressure : 101kPa

Table 10: Test result of Number of hopping frequency

Frequency Range	Measured Quantity of Hopping Channel	Limit	Result
2402 to 2480MHz	79	≥ 15	Pass

5.1.8 Time of Occupancy

RESULT:

Pass

Date of testing	:	2016-09-05
Test standard	:	FCC part 15.247(a)(1)(iii) RSS-247 clause 5.1(4)
Basic standard	:	ANSI C63.10: 2013
Limits	:	0.4s
Kind of test site	:	Shield room

Test setup

Test Channel	:	Low/ Middle/ High
Operation Mode	:	A.1.a
Ambient temperature	:	25°C
Relative humidity	:	50%
Atmospheric pressure	:	101kPa

Table 11: Test result of Time of Occupancy

Mode	Packet Type	Channel Frequency (MHz)	Packet Duration [ms]	Number of Hops per Channel	Dwell Time (ms)	Limit [ms]
BDR	DH1	2402	0.365	320	116.800	400
		2441	0.371	320	118.720	400
		2480	0.365	320	116.800	400
	DH3	2402	1.623	165	267.795	400
		2441	1.623	165	267.795	400
		2480	1.623	165	267.795	400
	DH5	2402	2.870	112	321.440	400
		2441	2.870	112	321.440	400
		2480	2.870	112	321.440	400
EDR	DH1	2402	0.388	320	124.160	400
		2441	0.388	320	124.160	400
		2480	0.388	320	124.160	400
	DH3	2402	1.646	165	271.590	400
		2441	1.636	165	269.940	400
		2480	1.636	165	269.940	400
	DH5	2402	2.883	112	322.896	400
		2441	2.883	112	322.896	400
		2480	2.883	112	322.896	400

Prüfbericht - Nr.: 50058975 001

Test Report No.

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5.1.9 Conducted emissions**RESULT:****Pass**

Date of testing	:	2016-10-24
Test standard	:	FCC Part 15.107 (a) FCC Part 15.207 RSS-Gen Clause 8.8 ICES-003 Issue 6 January 2016
Basic standard	:	ANSI C63.10: 2013 ANSI C63.4: 2014
Frequency range	:	0.15 – 30MHz
Limits	:	FCC Part 15.207 Table 3 of RSS-Gen
Kind of test site	:	Shield room

Test setup

Input Voltage	:	AC 120V, 60Hz
Operation Mode	:	A+B, B
Earthing	:	Not Connected
Ambient temperature	:	22°C
Relative humidity	:	55%
Atmospheric pressure	:	101kPa

For details refer to following test plot.

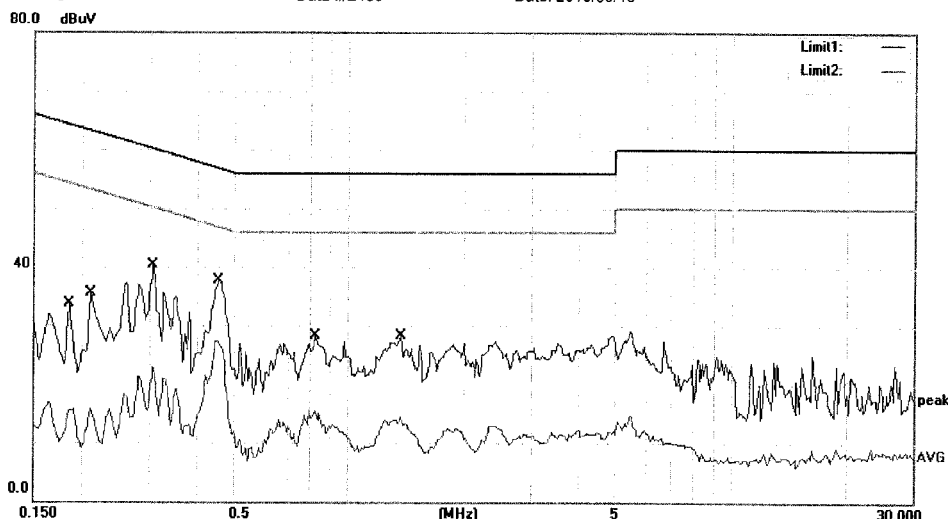
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Conducted Emission Measurement

File : TUV

Data : #2430

Date: 2016/09/18



Site Conduction #1

Phase: L1

Temperature: 22

Limit: (CE)FCC PART 15 class B_QP

Power: NS-CAHBT

Humidity: 55 %

EUT: TUV

M/N: BLUETOOTH RECEIVER

Mode: ON

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1850	33.78	0.00	33.78	64.26	-30.48	QP	
2		0.1850	15.56	0.00	15.56	54.26	-38.70	AVG	
3		0.2100	35.41	0.00	35.41	63.21	-27.80	QP	
4		0.2100	15.74	0.00	15.74	53.21	-37.47	AVG	
5		0.3050	40.29	0.00	40.29	60.11	-19.82	QP	
6		0.3050	22.87	0.00	22.87	50.11	-27.24	AVG	
7	*	0.4550	37.72	0.00	37.72	56.78	-19.06	QP	
8		0.4550	27.39	0.00	27.39	46.78	-19.39	AVG	
9		0.8200	28.30	0.00	28.30	56.00	-27.70	QP	
10		0.8200	15.55	0.00	15.55	46.00	-30.45	AVG	
11		1.3650	28.33	0.00	28.33	56.00	-27.67	QP	
12		1.3650	14.45	0.00	14.45	46.00	-31.55	AVG	

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

Comment: Factor build in receiver.

Operator: CSL

File : TUV\Data : #2430

Page: 1

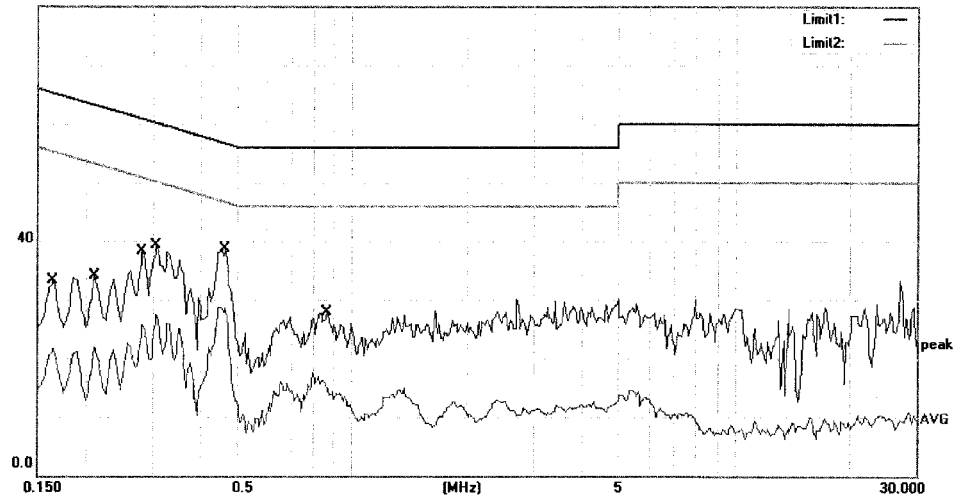
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Conducted Emission Measurement

 File :TUV
 80.0 dBuV

Data :#2431

Date: 2016/09/18



Site Conduction #1

Phase: N

Temperature: 22

Limit: (CE)FCC PART 15 class B_QP

Power: NS-CAHBT

Humidity: 55 %

EUT: TUV

M/N: BLUETOOTH RECEIVER

Mode: ON

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1650	33.26	0.00	33.26	65.21	-31.95	QP	
2		0.1650	21.70	0.00	21.70	55.21	-33.51	AVG	
3		0.2100	34.01	0.00	34.01	63.21	-29.20	QP	
4		0.2100	21.90	0.00	21.90	53.21	-31.31	AVG	
5		0.2800	38.29	0.00	38.29	60.82	-22.53	QP	
6		0.2800	25.73	0.00	25.73	50.82	-25.09	AVG	
7		0.3050	39.36	0.00	39.36	60.11	-20.75	QP	
8		0.3050	27.46	0.00	27.46	50.11	-22.65	AVG	
9	*	0.4650	38.78	0.00	38.78	56.60	-17.82	QP	
10		0.4650	28.78	0.00	28.78	46.60	-17.82	AVG	
11		0.8650	27.83	0.00	27.83	56.00	-28.17	QP	
12		0.8650	16.87	0.00	16.87	46.00	-29.13	AVG	

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

Comment: Factor build in receiver.

Operator: CSL

File :TUV\Data :#2431

Page: 1

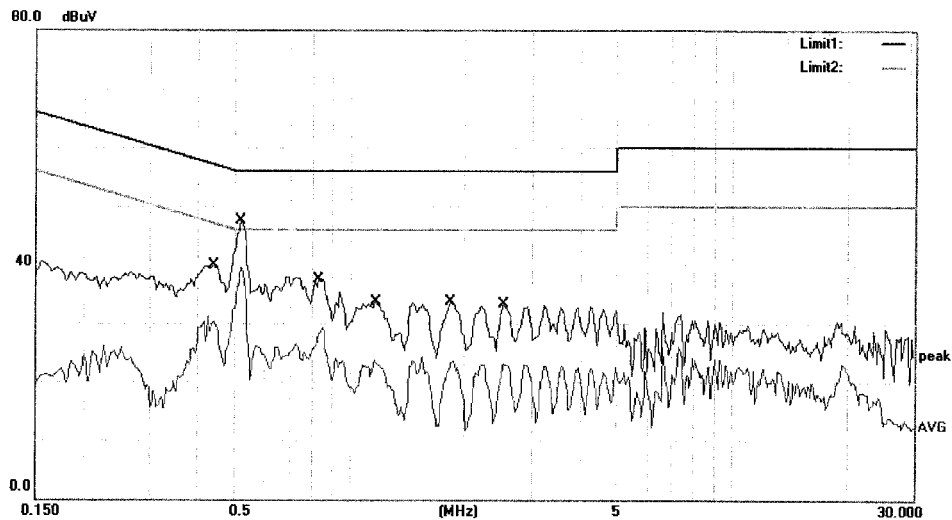
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Conducted Emission Measurement

File : TUV

Data : #2455

Date: 2016/10/24



Site Conduction #1

 Phase: **L1**

Temperature: 22

Limit: (CE)FCC PART 15 class B_QP

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode: charging

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.4400	39.83	0.00	39.83	57.06	-17.23	QP	
2		0.4400	31.09	0.00	31.09	47.06	-15.97	AVG	
3		0.5200	47.41	0.00	47.41	56.00	-8.59	QP	
4	*	0.5200	39.48	0.00	39.48	46.00	-6.52	AVG	
5		0.8300	37.54	0.00	37.54	56.00	-18.46	QP	
6		0.8300	29.31	0.00	29.31	46.00	-16.69	AVG	
7		1.1700	33.66	0.00	33.66	56.00	-22.34	QP	
8		1.1700	23.65	0.00	23.65	46.00	-22.35	AVG	
9		1.8300	33.74	0.00	33.74	56.00	-22.26	QP	
10		1.8300	23.59	0.00	23.59	46.00	-22.41	AVG	
11		2.5200	33.21	0.00	33.21	56.00	-22.79	QP	
12		2.5200	23.07	0.00	23.07	46.00	-22.93	AVG	

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

Comment: Factor build in receiver.

Operator: WQG

File : TUV\Data : #2455

Page: 1

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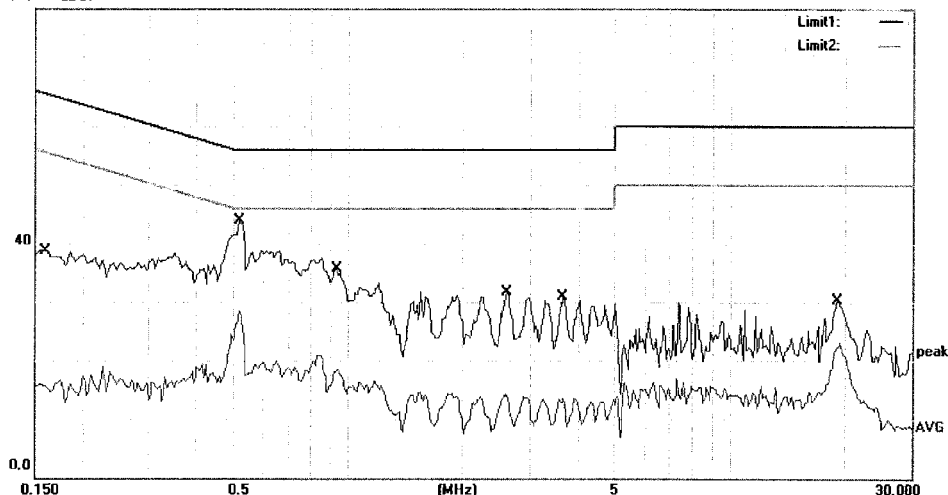
Conducted Emission Measurement

File :TUV

Data :#2456

Date: 2016/10/24

80.0 dBuV



Site Conduction #1

Phase: N

Temperature: 22

Limit: (CE)FCC PART 15 class B_QP

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Bluetooth Recevier

M/N: NS-CAHBT

Mode: charging

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1607	38.61	0.00	38.61	65.43	-26.82	QP	
2		0.1607	16.76	0.00	16.76	55.43	-38.67	AVG	
3	*	0.5200	43.97	0.00	43.97	56.00	-12.03	QP	
4		0.5200	28.51	0.00	28.51	46.00	-17.49	AVG	
5		0.9300	35.69	0.00	35.69	56.00	-20.31	QP	
6		0.9300	20.85	0.00	20.85	46.00	-25.15	AVG	
7		2.6000	31.72	0.00	31.72	56.00	-24.28	QP	
8		2.6000	14.21	0.00	14.21	46.00	-31.79	AVG	
9		3.6400	30.97	0.00	30.97	56.00	-25.03	QP	
10		3.6400	13.56	0.00	13.56	46.00	-32.44	AVG	
11		19.0500	30.30	0.00	30.30	60.00	-29.70	QP	
12		19.0500	23.07	0.00	23.07	50.00	-26.93	AVG	

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

Comment: Factor build in receiver.

Operator: WQG

File :TUVData :#2456

Page: 1

Prüfbericht - Nr.: 50058975 001

Test Report No.

Seite 78 von 84

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5.1.10 Radiated Emission**RESULT:****Pass**

Date of testing	:	2016-10-25
Test standard	:	FCC Part 15.109 (a) ICES-003 Issue 6 January 2016
Test procedure	:	ANSI C63.4: 2014
Frequency range	:	30 - 6000MHz
Equipment Classification	:	Class B
Limits	:	FCC Part 15.109(a) ICES-003 Issue 6 January 2016
Kind of test site	:	3m Semi-Anechoic Chamber

Test setup

Input Voltage	:	AC 120V, 60Hz
Operation mode	:	B
Earthing	:	Not connected
Ambient temperature	:	24°C
Relative humidity	:	53%
Atmospheric pressure	:	101kPa

For details refer to following test plot.

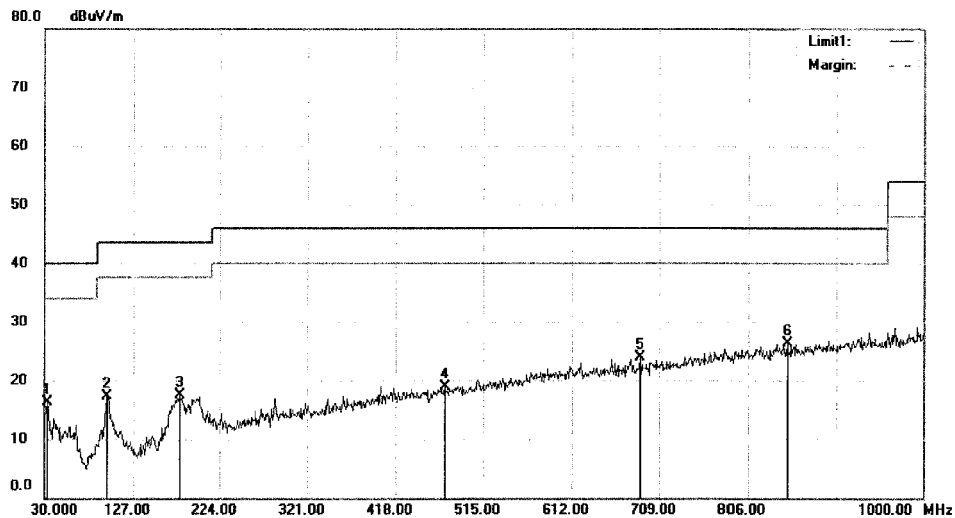
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Radiated Emission Measurement

File :TUV

Data :#1951

Date: 2016/10/25



Site 3m Chamber #3

 Polarization: **Horizontal**

Temperature: 24 C

Limit: (RE)FCC PART 15 CLASS B

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode:Charging

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		32.9100	32.28	-16.04	16.24	40.00	-23.76	QP		
2		97.9000	32.60	-15.28	17.32	43.50	-26.18	QP		
3		179.3800	34.51	-16.92	17.59	43.50	-25.91	QP		
4		472.3200	26.93	-8.07	18.86	46.00	-27.14	QP		
5		687.6600	28.08	-4.12	23.96	46.00	-22.04	QP		
6	*	848.6800	27.79	-1.51	26.28	46.00	-19.72	QP		

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

Operator: LQZ

File :TUVData :#1951

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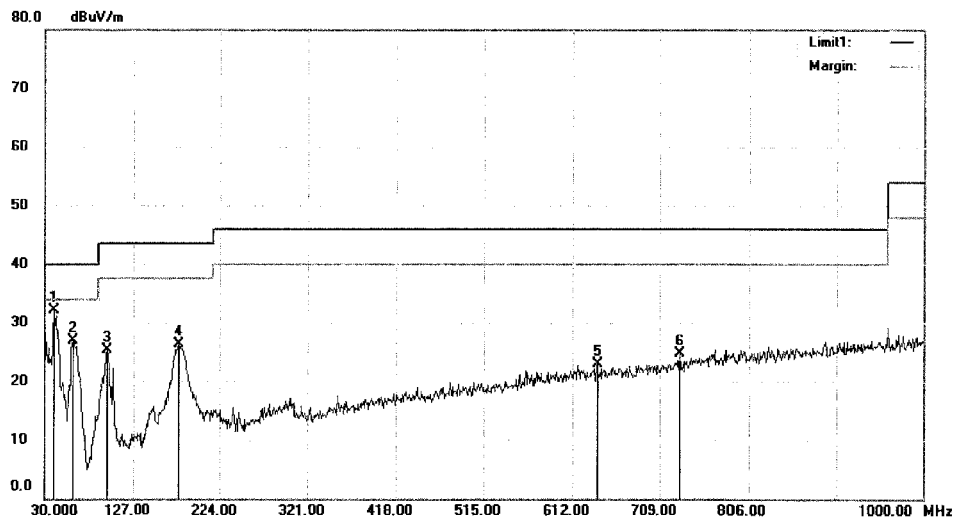
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Radiated Emission Measurement

File :TUV

Data :#1952

Date: 2016/10/25



Site 3m Chamber #3

 Polarization: **Vertical**

Temperature: 24 C

Limit: (RE)FCC PART 15 CLASS B

Power: AC 120V/60Hz

Humidity: 53 %

EUT: Bluetooth Receiver

M/N: NS-CAHBT

Mode:Charging

Note:

No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree degree	Comment
1	*	39.7000	47.39	-15.38	32.01	40.00	-7.99	QP		
2		60.0700	42.64	-15.73	26.91	40.00	-13.09	QP		
3		97.9000	40.66	-15.28	25.38	43.50	-18.12	QP		
4		177.4400	43.42	-17.20	26.22	43.50	-17.28	QP		
5		639.1600	27.56	-4.63	22.93	46.00	-23.07	QP		
6		731.3100	28.08	-3.37	24.71	46.00	-21.29	QP		

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

Operator: LQZ

File :TUV\Data :#1952

Page: 1

6. Safety Human exposure

6.1 Radio Frequency Exposure Compliance

6.1.1 Electromagnetic Fields

RESULT:**Pass**

Test standard : RSS-102 Issue 5 March 2015
FCC KDB Publication 447498 D01 v06

The maximum radiated power of the transmitter is 1.074mW (0.31dBm) only, which less than 4mW. Hence the EUT is exempted from routine evaluation limits (SAR Evaluation) according to clause 2.5.1 of RSS-102 Issue 5.

Since maximum radiated power of the transmitter is 1.074mW<10mW, and the distance from EUT to human is ≥ 5 mm, hence the EUT is excluded from SAR evaluation according to FCC KDB publication 447498 D01 General RF Exposure Guidance v06.

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