

Prüfbericht-Nr.: <i>Test report no.:</i>	CN21MB6W 001	Auftrags-Nr.: <i>Order no.:</i>	168335554	Seite 1 von 15 <i>Page 1 of 15</i>
Kunden-Referenz-Nr.: <i>Client reference no.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	2021-09-15	
Auftraggeber: <i>Client:</i>	Xiamen R&T Plumbing Technology Co., Ltd. No.18, HouXiang Road, HaiCang District, Xiamen, 361028, China			
Prüfgegenstand: <i>Test item:</i>	ELECTRONIC TOILET SEAT			
Bezeichnung / Typ-Nr.: <i>Identification / Type no.:</i>	V7216 (Trademark: R&T)			
Auftrags-Inhalt: <i>Order content:</i>	Test Report			
Prüfgrundlage: <i>Test specification:</i>	FCC CFR Title 47, Part 15, Subpart C, Section 15.249			
Wareneingangsdatum: <i>Date of sample receipt:</i>	2021-10-09	Please refer to Photo Document		
Prüfmuster-Nr.: <i>Test sample no.:</i>	A003140963-003~005			
Prüfzeitraum: <i>Testing period:</i>	2021-10-26 – 2021-10-27			
Ort der Prüfung: <i>Place of testing:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von: <i>tested by:</i>	genehmigt von: <i>authorized by:</i>			
Datum: <i>Date:</i> 2021-11-04	Ausstellungsdatum: <i>Issue date:</i> 2021-11-04			
Stellung / Position:	Section Manager	Stellung / Position:	Reviewer	
Sonstiges / Other:	FCC ID: 2AW23-VC360			
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>				

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Test Summary

5.1.1 ANTENNA REQUIREMENT

RESULT: Pass

5.1.2 FIELD STRENGTH OF FUNDAMENTAL AND HARMONICS

RESULT: Pass

5.1.3 20dB AND 99% BANDWIDTH

RESULT: Pass

5.1.4 BAND EDGE

RESULT: Pass

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1 General Remarks

1.1 Complementary Materials

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

Appendix A: Photographs of the Test Set-up

Appendix B: Test Results of FCC Part 15C

2 Test Sites

2.1 Test Facilities

TÜV Rheinland (Shenzhen) Co., Ltd.

362 Huanguan Road Middle Longhua District, Shenzhen 518110 People's Republic of China

FCC Accreditation Designation No.: CN1260

ISED wireless device testing laboratory: 25069

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Unwanted Emission Testing (TS9975)				
Equipment	Manufacturer	Model	Serial No.	Cal. until
EMI Test Receiver	R&S	ESR 7	102021	2022-08-10
Signal Analyzer	R&S	FSV 40	101439	2022-08-09
System Controller Interface	R&S	SCI-100	S10010038	N/A
Filterbank	R&S	Wlan	100759	2022-08-09
OSP	R&S	OSP 120	102040	N/A
Pre-amplifier	R&S	SCU08F1	08320031	2022-08-09
Amplifier	R&S	SCU-18F	180070	2022-08-09
Amplifier	R&S	SCU40A	100475	2022-08-09
Trilog Broadband Antenna (30 MHz - 7 GHz)	Schwarzbeck	VULB 9162	193	2022-08-08
Double-Ridged Antenna (1 -18 GHz)	ETS-LINDGREN	3117	00218717	2022-08-08
Wideband Ridged Horn Antenna (18-40 GHz)	Steatite	QMS-00880	19067	2022-08-08
Active Loop Antenna	Schwarzbeck	FMZB 1513	302	2022-09-13
Test software	R&S	EMC32 (V10.60.10)	N/A	N/A
Control PC	Dell	OptiPlex 7050	36NV9P2	N/A
3m Semi-Anechoic Chamber	Albatross	SAC-3m	APC17151-SAC	2024-06-22

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

The estimated combined standard uncertainty for radiated emissions measurements as below table.

Parameter	Uncertainty
Radio Frequency	$\pm 1 \times 10^{-7}$
RF Power (conducted)	± 2.5 dB
Radiated Emission of Transmitter, valid up to 26.5 GHz	± 6 dB
Radiated Emission of Receiver, valid up to 26.5 GHz	± 6 dB
Temperature	± 1 °C
Humidity	± 5 %
Voltage (DC)	± 1 %
Voltage (AC, <10kHz)	± 2 %

2.6 Location of Original Data

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

2.7 Status of Facility Used for Testing

The TÜV Rheinland (Shenzhen) Co., Ltd. Test facility located at 362 Huanguan Road Middle Longhua District, Shenzhen 518110 People's Republic of 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 products are ELECTRONIC TOILET SEAT, which contains a Remote Control and a Toilet Seat. The Remote Control supports 2.4GHz transmitter wireless technology and Toilet Seat supports 2.4GHz Receiver wireless technology.

For details refer to the User Manual, Technical Description and Circuit Diagram.

3.2 Ratings and System Details

Table 2: Technical Specification of EUT

General Information of EUT	Value
Kind of Equipment:	ELECTRONIC TOILET SEAT
Type Designation:	V7216
Trademark:	R&T
FCC ID:	2AW23-VC360
Operating Voltage:	DC 3V (2 X AAA battery) for Remote Control
Testing Voltage:	Fully charged battery for Remote Control
Operating Temperature Range:	-20 °C ~ 80 °C
Technical Specification of 2.4GHz	
Frequency Range:	2465 - 2480 MHz
Type of Modulation:	GFSK
Channel Number:	4 channels
Channel Separation:	5MHz
Antenna Type:	PCB Layout Antenna
Antenna Gain:	-2.0 dBi

3.3 Independent Operation Modes

The basic operation modes are:

A. 2.4GHz transmitting mode (Remote Control only)

1. Low channel
2. Middle channel
3. High channel

3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.5 Submitted Documents

- | | |
|-------------------------|------------------------------|
| - Application Form | - ID Label and Location Info |
| - Operation Description | - Block Diagram |
| - Schematics | - PCB Layout |
| - Parts List | |

4 Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

Radio Spectrum: The equipment under test (EUT) was configured at its highest power output in order to measure its highest possible radiation and conducted level. The test modes were adapted accordingly in reference to the instructions for use.

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation 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 tests were performed according to the procedures in ANSI C63.10: 2013.

Table 3: Test environments

Environment Parameter	Values During Tests		
	Temperature	Voltage (Battery operated)	Relative Humidity
NTNV	25°C±2°C	3.0Vdc	Ambient

Table 4: Test channel and frequency

Mode	Test Channels (MHz)	Remark
Transmitting	L/M/H: 2465MHz, 2470MHz, 2480MHz	--

4.3 Special Accessories and Auxiliary Equipment

Table 5: Auxiliary Equipment Used during Test

Description	Manufacturer	Model	S/N
-	-	-	-

4.4 Countermeasures to Achieve EMC Compliance

The test sample which has been tested contained the noise suppression parts as described in the Technical Construction File (TCF).

No additional measures were employed to achieve compliance.

4.5 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test (Below 1GHz)

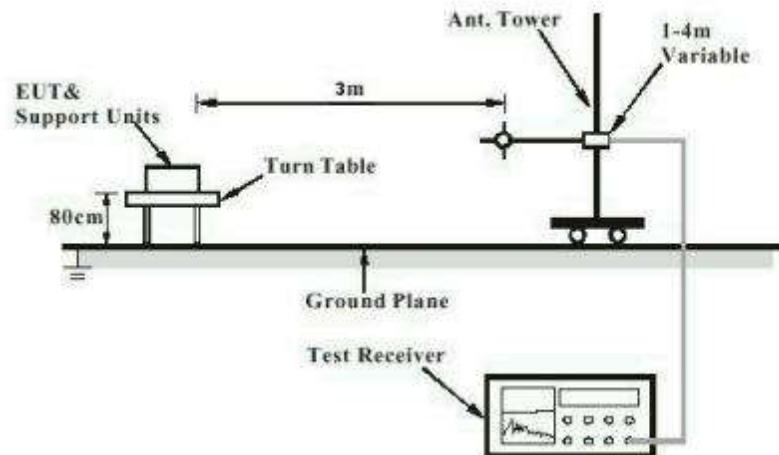


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

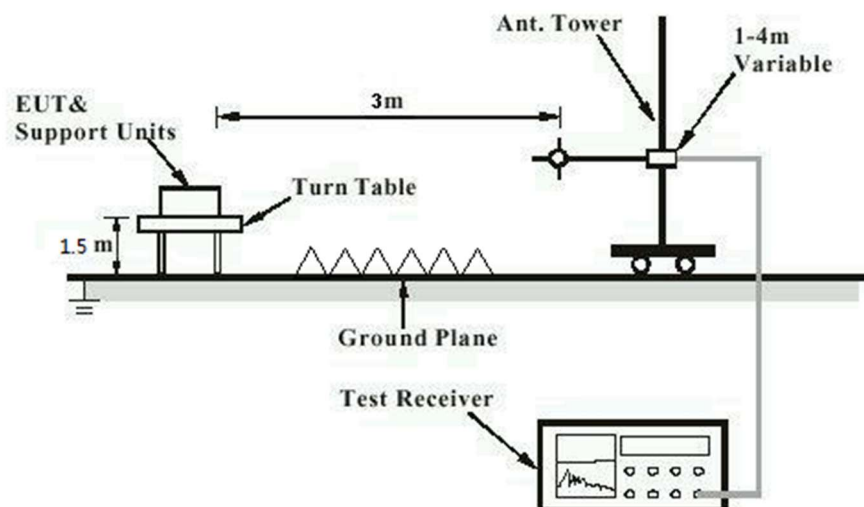
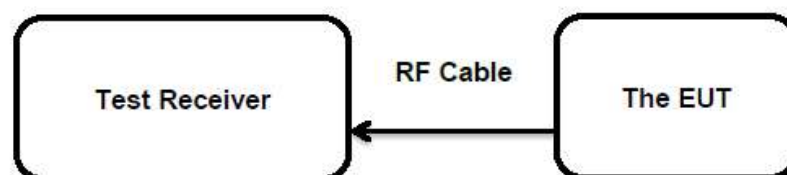


Diagram of Measurement Configuration for Conducted Transmitter Measurement



5 Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT:

Pass

Test Specification

Test standard : FCC Part 15.203

According to the manufacturer declared, the EUT has a PCB Layout antenna, the gain of antenna is -2.0 dBi, which that permanent attachment and no consideration of replacement.

Therefore the EUT is considered sufficient to comply with the provision.

Refer to EUT Photo for further details.

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5.1.2 Field strength of fundamental and harmonics

RESULT:**Pass****Test Specification**

Test standard	: FCC Part 15.249(a) (d) (e)
Basic standard	: ANSI C63.10: 2013
Limits	: FCC Part 15.249(a) (d) (e) & 15.209(a)
Kind of test site	: 3m Semi-anechoic Chamber

Test Setup

Date of testing	: 2021-10-26 to 2021-10-27
Input voltage	: Fully charged battery
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: Refer to test result
Relative humidity	: Refer to test result
Atmospheric pressure	: 101 kPa

Note: Testing was carried out within frequency range 9kHz to the tenth harmonics. Only the worst case spurious emissions configuration of the each mode were reported.

For the measurement records, refer to the appendix B.

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5.1.3 20dB and 99% Bandwidth

RESULT:

Pass

Test Specification

Test standard	: FCC Part 15.215
Basic standard	: ANSI C63.10: 2013
Limits	: Within assigned band
Kind of test site	: Shielded Room

Test Setup

Date of testing	: 2021-10-27
Input voltage	: Fully charged battery
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: 22 °C
Relative humidity	: 50 %
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix B.

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5.1.4 Band Edge

RESULT:

Pass

Test Specification

Test standard	: FCC Part 15.249(a) (d) (e) & 15.209 & 15.205
Basic standard	: ANSI C63.10: 2013
Limits	: FCC Part 15.249(a) (d) (e) & 15.209 & 15.205
Kind of test site	: 3m Semi-anechoic Chamber

Test Setup

Date of testing	: 2021-10-26 to 2021-10-27
Input voltage	: Fully charged battery
Operation mode	: A
Test channel	: Low / Middle / High
Ambient temperature	: Refer to test result
Relative humidity	: Refer to test result
Atmospheric pressure	: 101 kPa

For the measurement records, refer to the appendix B.

6 Photographs of the Test Set-Up

For photographs of the test set-up, refer to the appendix A.

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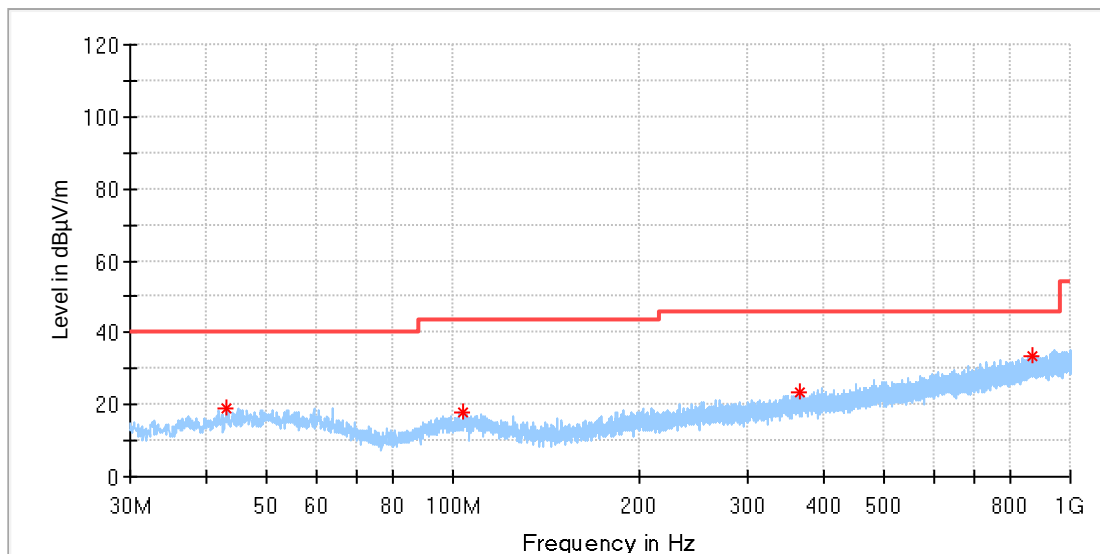
Note: The testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz to 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

Appendix B.1: Test Results of Field strength of fundamental & harmonics

30MHz - 1GHz

EUT Information

EUT Name:	ELECTRONIC TOILET SEAT
Model:	V7216
Test Mode:	2.4GHz Low CH
Order No/Sample No:	168335554/A003140963-005
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

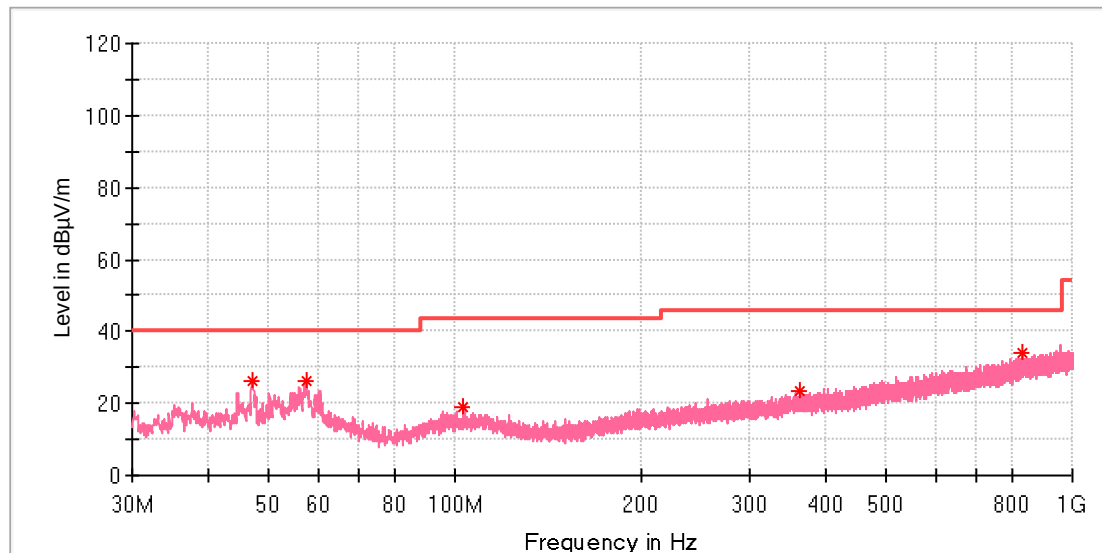


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
42.998000	19.18	40.00	20.82	100.0	H	156.0	-19.3
103.962500	17.80	43.50	25.70	100.0	H	138.0	-18.8
364.310500	23.64	46.00	22.36	100.0	H	0.0	-14.6
869.535000	33.53	46.00	12.47	100.0	H	175.0	-5.2

EUT Information

EUT Name: ELECTRONIC TOILET SEAT
Model: V7216
Test Mode: 2.4GHz Low CH
Order No/Sample No: 168335554/A003140963-005
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin

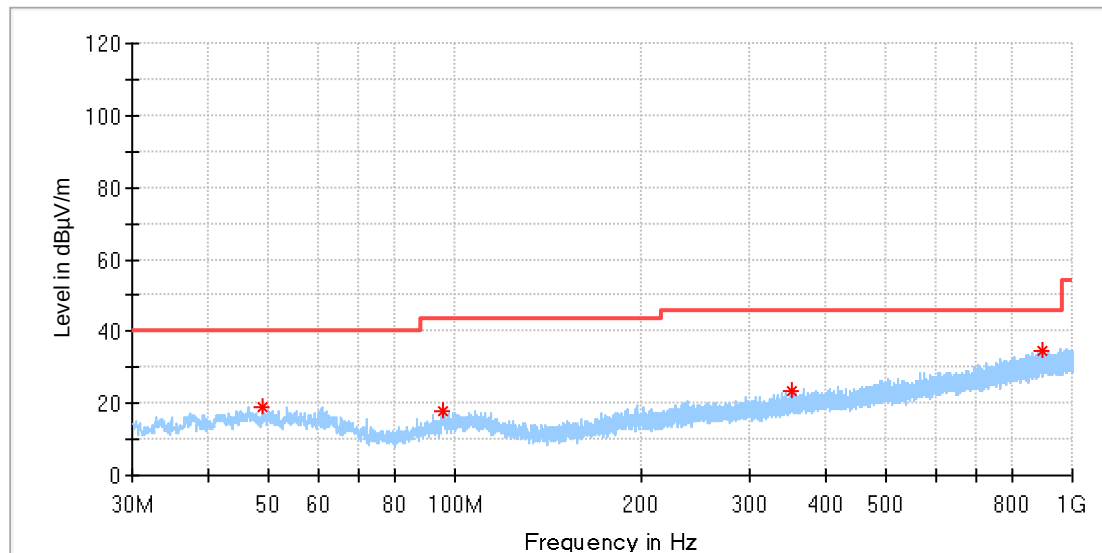


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
46.878000	26.29	40.00	13.71	100.0	V	289.0	-18.5
57.305500	26.45	40.00	13.55	100.0	V	45.0	-18.7
103.138000	18.90	43.50	24.60	100.0	V	70.0	-18.8
362.273500	23.53	46.00	22.47	100.0	V	127.0	-14.6
831.559500	34.02	46.00	11.98	100.0	V	136.0	-5.8

EUT Information

EUT Name: ELECTRONIC TOILET SEAT
Model: V7216
Test Mode: 2.4GHz High CH
Order No/Sample No: 168335554/A003140963-005
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin

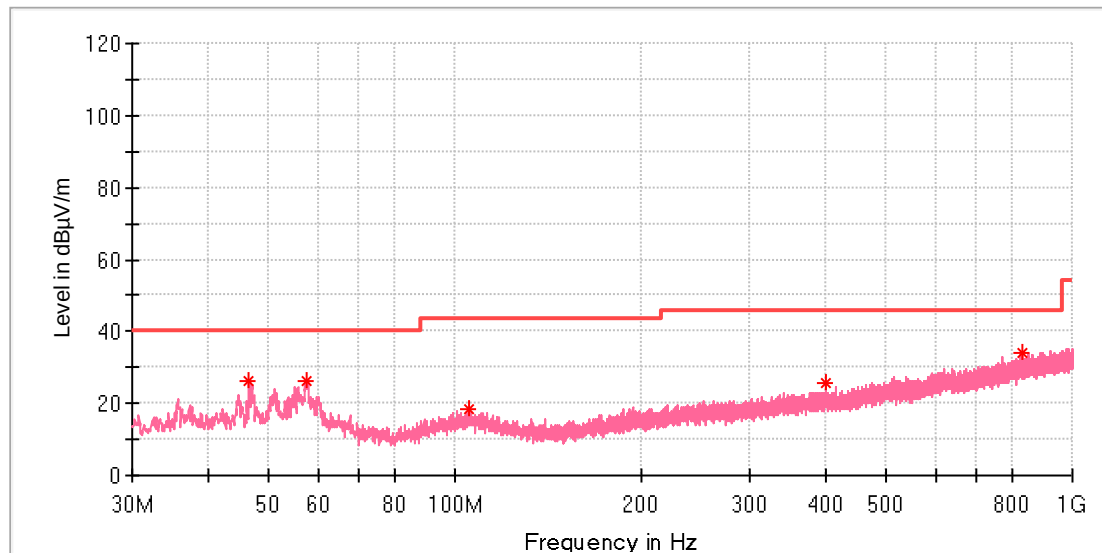


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
48.818000	19.24	40.00	20.76	100.0	H	264.0	-18.4
95.475000	18.03	43.50	25.47	100.0	H	284.0	-19.7
351.264000	23.57	46.00	22.43	100.0	H	0.0	-14.7
895.143000	34.65	46.00	11.35	100.0	H	0.0	-5.0

EUT Information

EUT Name: ELECTRONIC TOILET SEAT
Model: V7216
Test Mode: 2.4GHz High CH
Order No/Sample No: 168335554/A003140963-005
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical Freqs

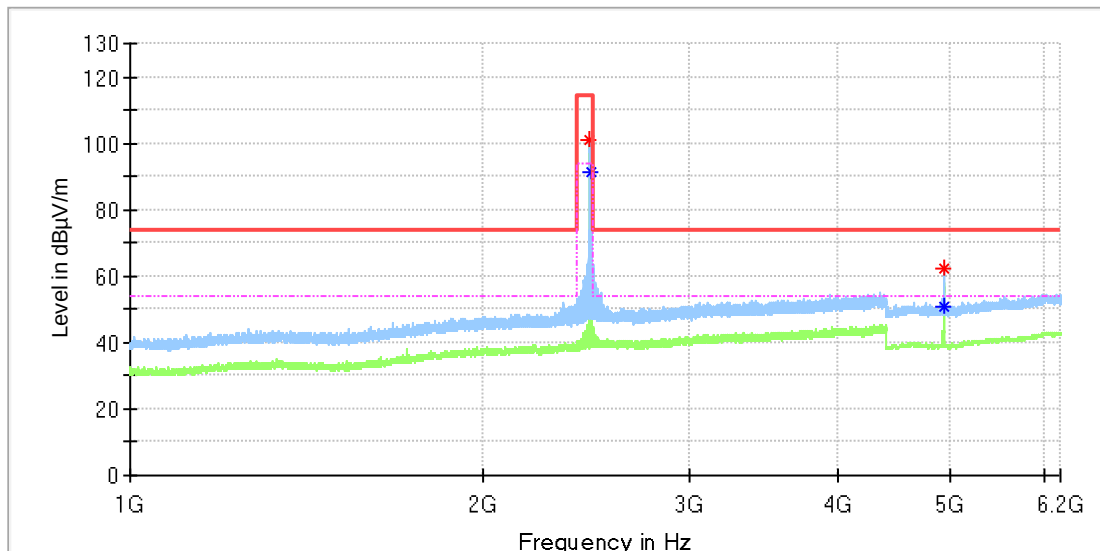
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
46.441500	26.38	40.00	13.62	100.0	V	303.0	-18.6
57.305500	25.99	40.00	14.01	100.0	V	231.0	-18.7
105.611500	18.44	43.50	25.06	100.0	V	181.0	-18.8
399.133500	25.50	46.00	20.50	100.0	V	113.0	-13.6
829.231500	34.22	46.00	11.78	100.0	V	284.0	-5.8

1GHz - 18GHz

Note: The highest waveform in the figure is 2.4GHz Fundamental.

EUT Information

EUT Name:	ELECTRONIC TOILET SEAT
Model:	V7216
Test Mode:	2.4GHz Low CH
Order No/Sample No:	168335554/A003140963-005
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

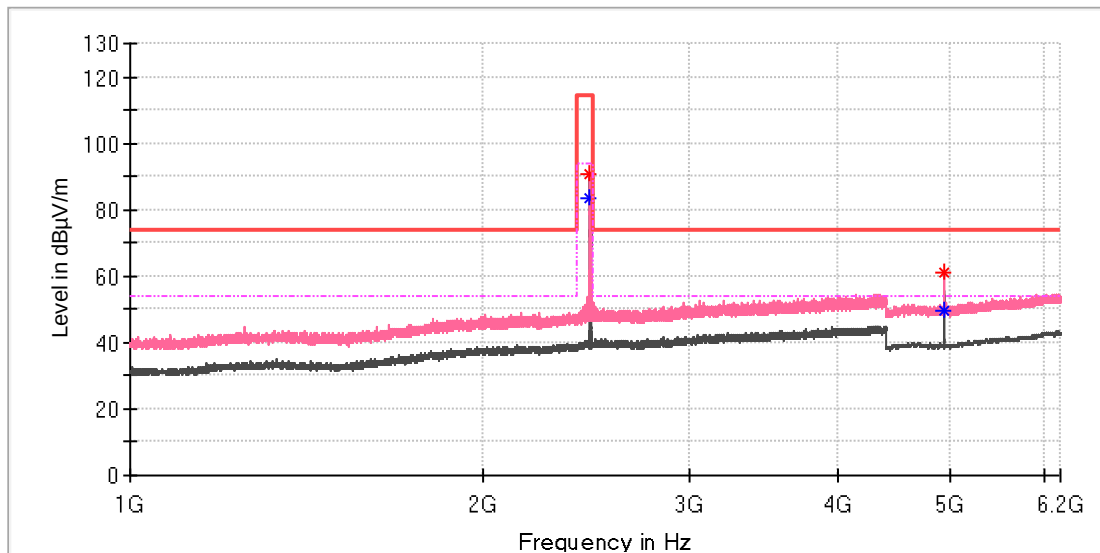


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2465.400000	100.92	---	114.00	13.08	100.0	H	309.0	7.4
2466.080000	---	91.55	94.00	2.45	100.0	H	281.0	7.4
4931.000000	62.52	---	74.00	11.48	100.0	H	172.0	11.8
4931.000000	---	50.59	54.00	3.41	100.0	H	172.0	11.8

EUT Information

EUT Name:	ELECTRONIC TOILET SEAT
Model:	V7216
Test Mode:	2.4GHz Low CH
Order No/Sample No:	168335554/A003140963-005
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

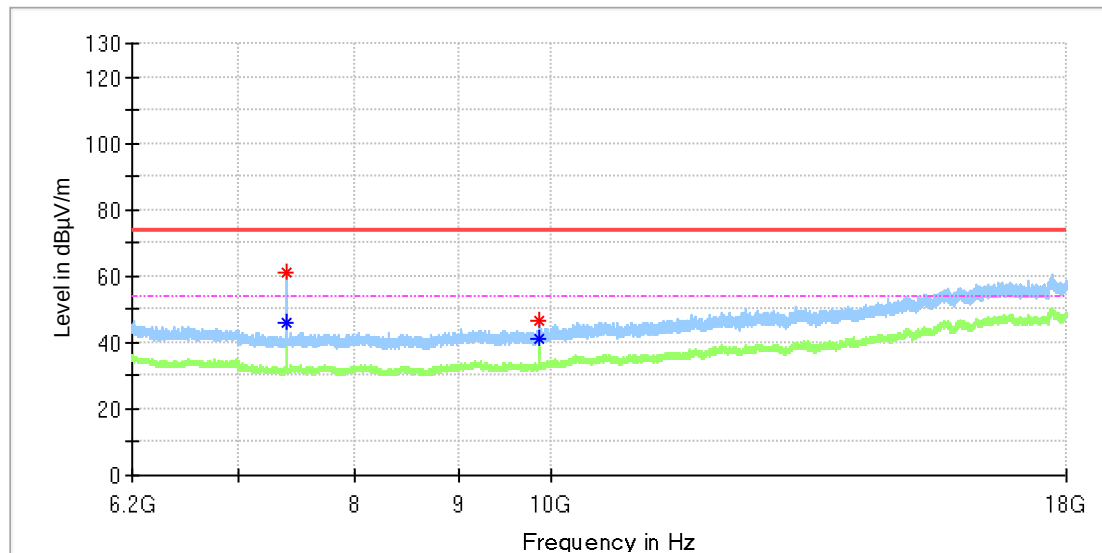


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2464.550000	---	83.24	94.00	10.76	100.0	V	268.0	7.4
2465.400000	90.57	---	114.00	23.43	100.0	V	268.0	7.4
4930.000000	---	49.53	54.00	4.47	100.0	V	271.0	11.8
4931.000000	61.23	---	74.00	12.77	100.0	V	6.0	11.8

EUT Information

EUT Name: ELECTRONIC TOILET SEAT
Model: V7216
Test Mode: 2.4GHz Low CH
Order No/Sample No: 168335554/A003140963-005
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin

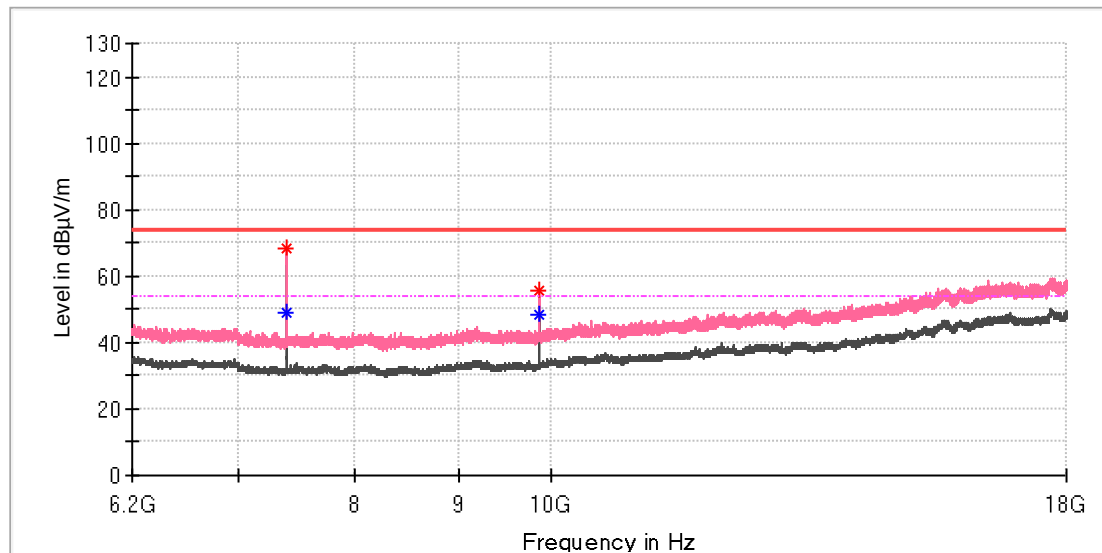


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7393.275000	61.14	---	74.00	12.87	100.0	H	69.0	8.3
7395.241667	---	46.22	54.00	7.78	100.0	H	359.0	8.3
9858.983333	46.71	---	74.00	27.29	100.0	H	0.0	10.6
9858.983333	---	40.88	54.00	13.12	100.0	H	0.0	10.6

EUT Information

EUT Name: ELECTRONIC TOILET SEAT
Model: V7216
Test Mode: 2.4GHz Low CH
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Test Voltage: Battery
Remark: Temp 22 Humi:52%
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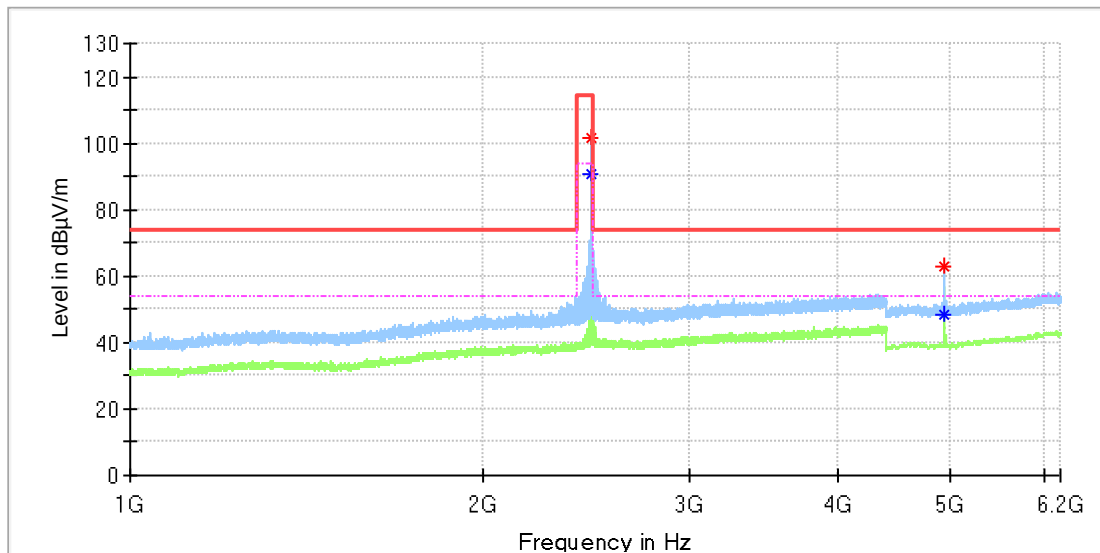


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7393.275000	68.43	---	74.00	5.57	100.0	V	230.0	8.3
7396.225000	---	49.15	54.00	4.85	100.0	V	252.0	8.3
9858.491667	---	48.27	54.00	5.73	100.0	V	64.0	10.6
9862.425000	55.67	---	74.00	18.33	100.0	V	316.0	10.6

EUT Information

EUT Name:	ELECTRONIC TOILET SEAT
Model:	V7216
Test Mode:	2.4GHz Middle CH
Order No/Sample No:	168335554/A003140963-005
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

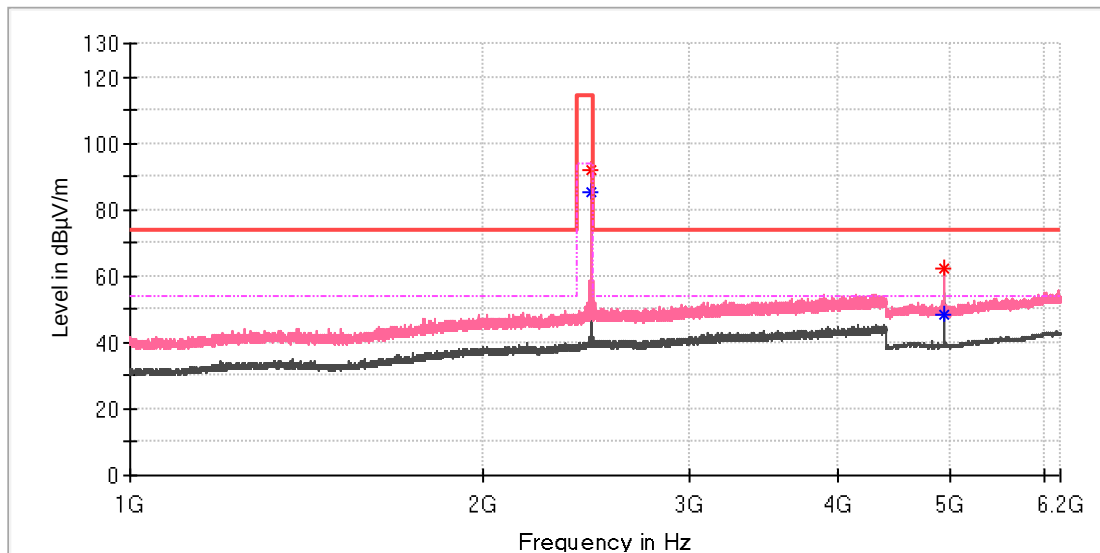


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2468.630000	---	90.97	94.00	3.03	100.0	H	294.0	7.4
2470.500000	101.51	---	114.00	12.49	100.0	H	284.0	7.4
4938.000000	---	48.22	54.00	5.78	100.0	H	258.0	11.8
4941.000000	62.93	---	74.00	11.07	100.0	H	288.0	11.8

EUT Information

EUT Name:	ELECTRONIC TOILET SEAT
Model:	V7216
Test Mode:	2.4GHz Middle CH
Order No/Sample No:	168335554/A003140963-005
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

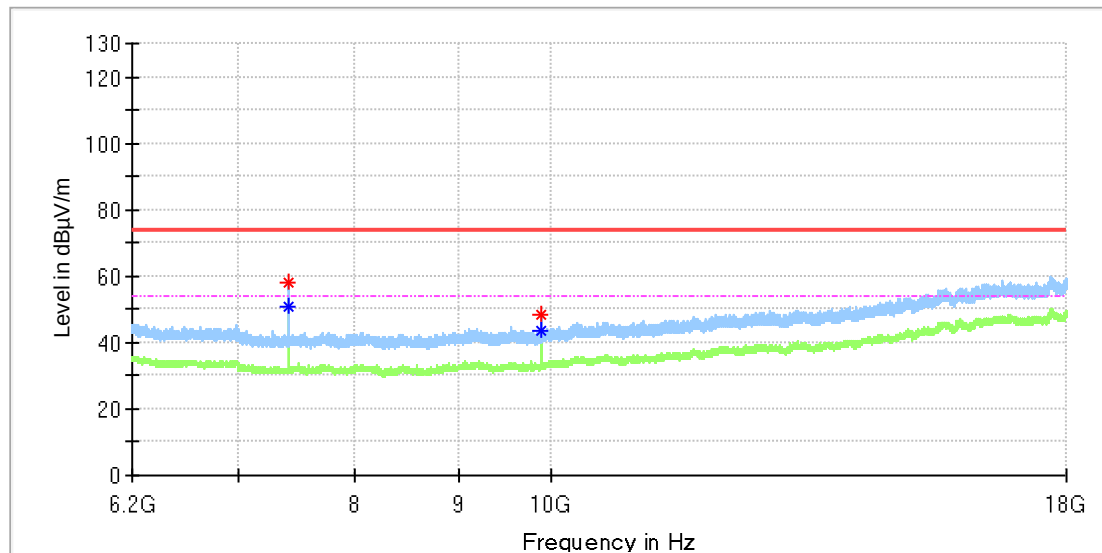


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2469.140000	91.87	---	114.00	22.13	100.0	V	276.0	7.4
2469.820000	---	85.27	94.00	8.73	100.0	V	357.0	7.4
4940.500000	---	48.39	54.00	5.61	100.0	V	233.0	11.8
4941.000000	62.00	---	74.00	12.00	100.0	V	281.0	11.8

EUT Information

EUT Name: ELECTRONIC TOILET SEAT
Model: V7216
Test Mode: 2.4GHz Middle CH
Order No/Sample No: 168335554/A003140963-005
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin

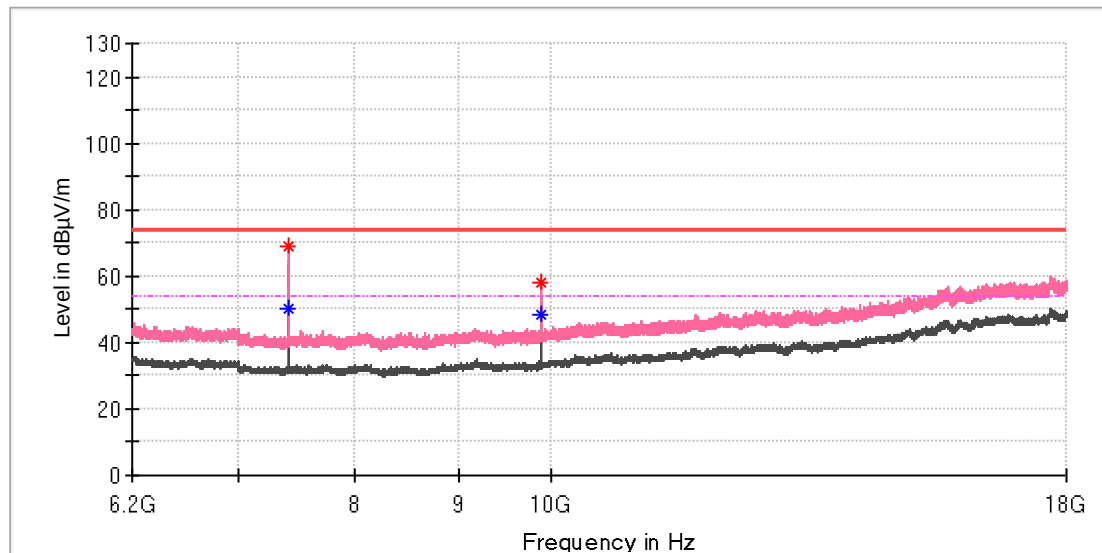


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7409.008333	58.20	---	74.00	15.80	100.0	H	37.0	8.3
7409.500000	---	50.92	54.00	3.08	100.0	H	37.0	8.3
9878.158333	48.20	---	74.00	25.80	100.0	H	0.0	10.7
9878.158333	---	43.28	54.00	10.72	100.0	H	0.0	10.7

EUT Information

EUT Name:	ELECTRONIC TOILET SEAT
Model:	V7216
Test Mode:	2.4GHz Middle CH
Order No/Sample No:	168335554/A003140963-005
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

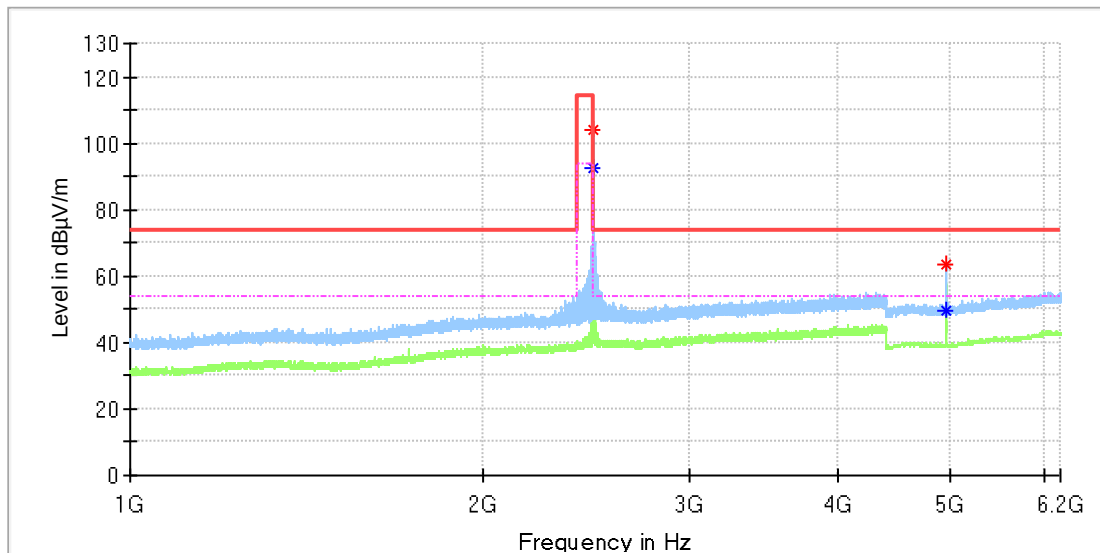


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7407.533333	---	50.41	54.00	3.59	100.0	V	284.0	8.3
7408.516667	69.22	---	74.00	4.78	100.0	V	221.0	8.3
9878.158333	57.89	---	74.00	16.11	100.0	V	284.0	10.7
9878.650000	---	48.49	54.00	5.51	100.0	V	304.0	10.7

EUT Information

EUT Name:	ELECTRONIC TOILET SEAT
Model:	V7216
Test Mode:	2.4GHz High CH
Order No/Sample No:	168335554/A003140963-005
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

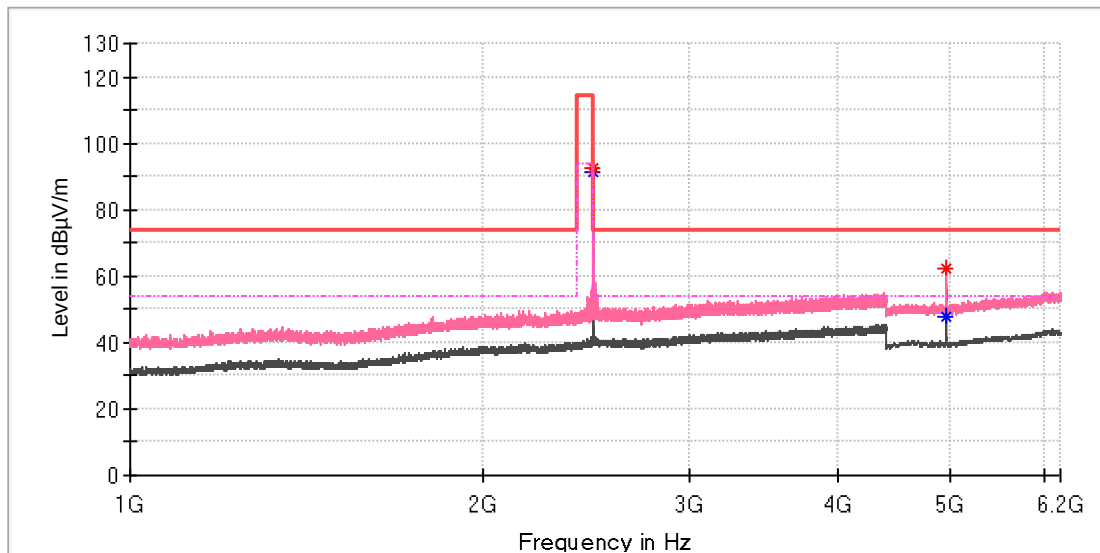


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2479.510000	104.26	---	114.00	9.74	100.0	H	284.0	7.4
2480.870000	---	92.81	94.00	1.19	100.0	H	307.0	7.4
4961.000000	63.32	---	74.00	10.68	100.0	H	184.0	11.8
4961.500000	---	49.45	54.00	4.55	100.0	H	149.0	11.8

EUT Information

EUT Name: ELECTRONIC TOILET SEAT
Model: V7216
Test Mode: 2.4GHz High CH
Order No/Sample No: 168335554/A003140963-005
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin

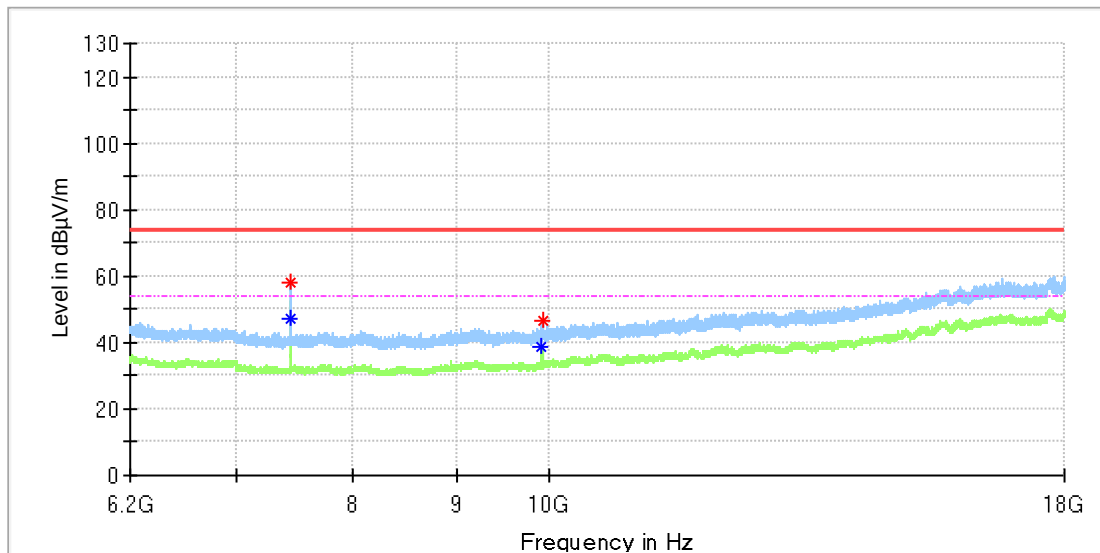


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2479.850000	---	91.15	94.00	2.85	100.0	V	252.0	7.4
2480.360000	92.48	---	114.00	21.52	100.0	V	252.0	7.4
4959.000000	62.58	---	74.00	11.42	100.0	V	261.0	11.8
4961.000000	---	47.70	54.00	6.30	100.0	V	254.0	11.8

EUT Information

EUT Name: ELECTRONIC TOILET SEAT
Model: V7216
Test Mode: 2.4GHz High CH
Order No/Sample No: 168335554/A003140963-005
Test Voltage: Battery
Remark: Temp 22 Humi:52%
Test Standard: FCC 15.249
Tested By: Kei Zhang
Reviewed By: Terry Yin

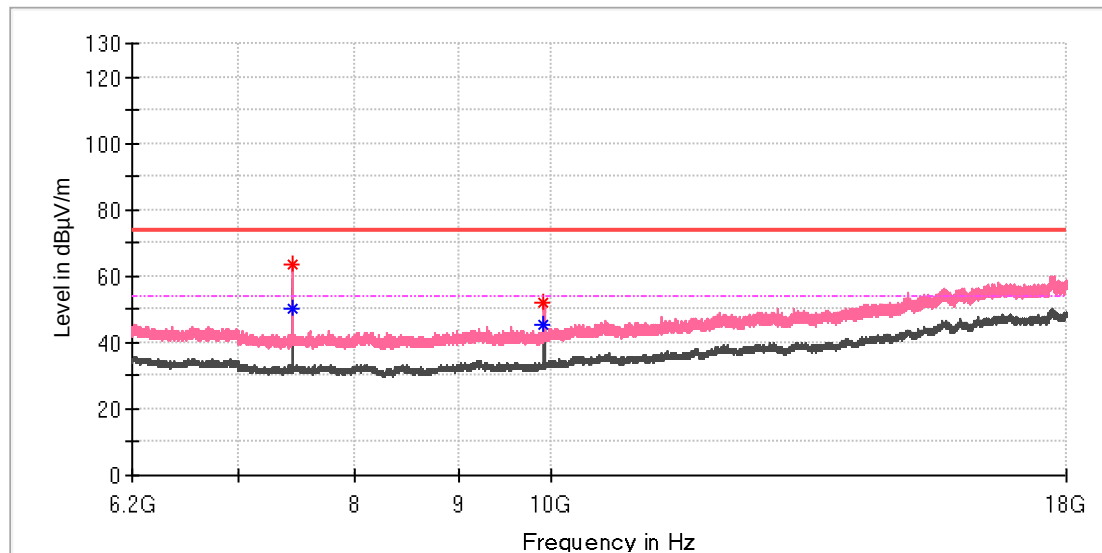


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7438.508333	57.92	---	74.00	16.08	100.0	H	197.0	8.4
7439.983333	---	47.19	54.00	6.81	100.0	H	239.0	8.4
9917.983333	---	38.51	54.00	15.49	100.0	H	344.0	10.8
9921.425000	46.30	---	74.00	27.70	100.0	H	323.0	10.8

EUT Information

EUT Name:	ELECTRONIC TOILET SEAT
Model:	V7216
Test Mode:	2.4GHz High CH
Order No/Sample No:	168335554/A003140963-005
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

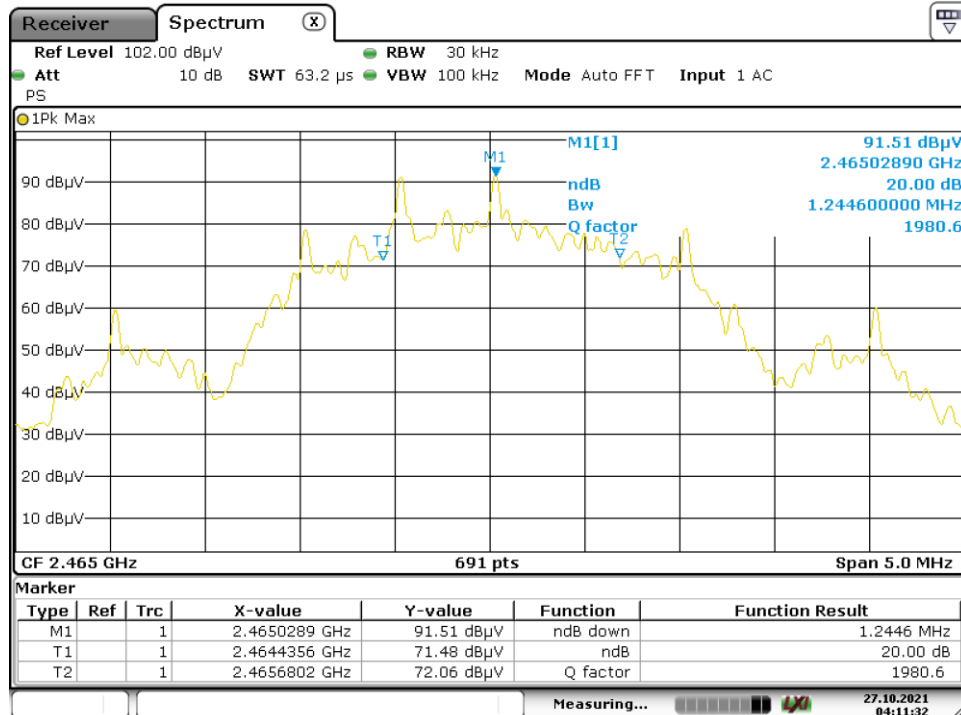


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7438.508333	63.59	---	74.00	10.41	100.0	V	223.0	8.4
7441.950000	---	50.36	54.00	3.64	100.0	V	290.0	8.4
9918.966667	---	45.23	54.00	8.77	100.0	V	354.0	10.8
9919.950000	52.14	---	74.00	21.86	100.0	V	290.0	10.8

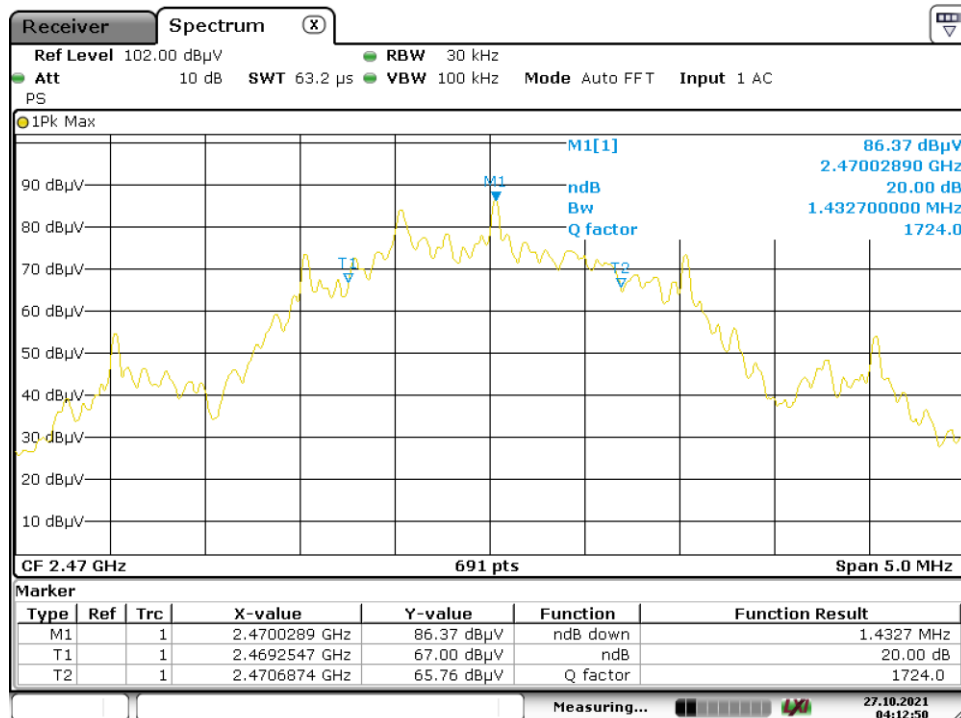
Appendix B.2: Test Results of 20dB Bandwidth

2465MHz

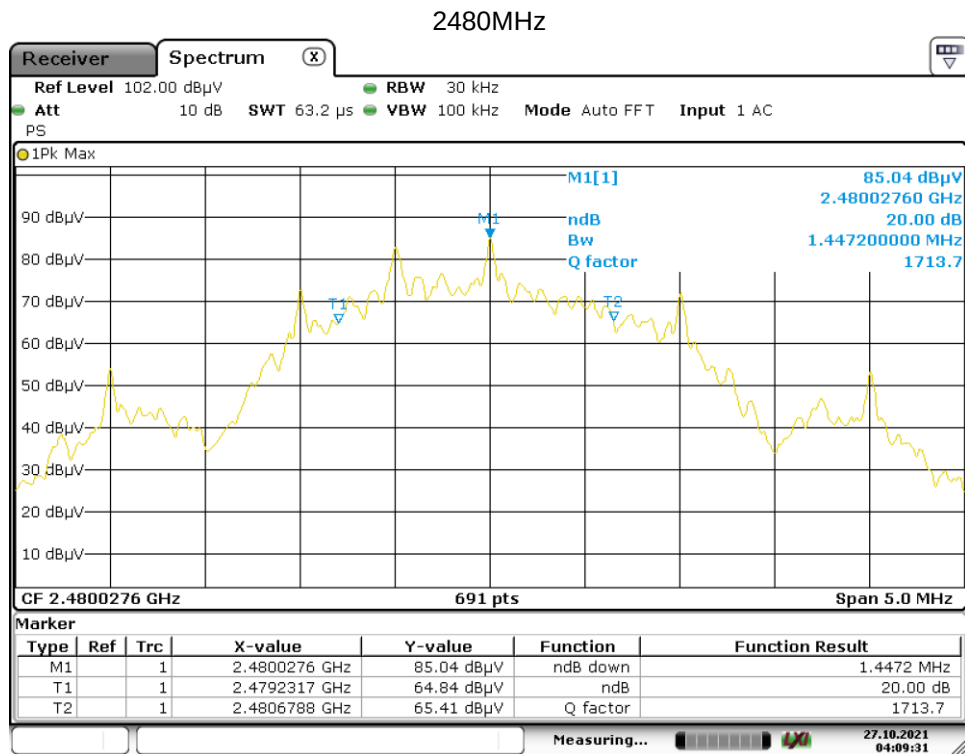


Date: 27.OCT.2021 04:11:32

2470MHz



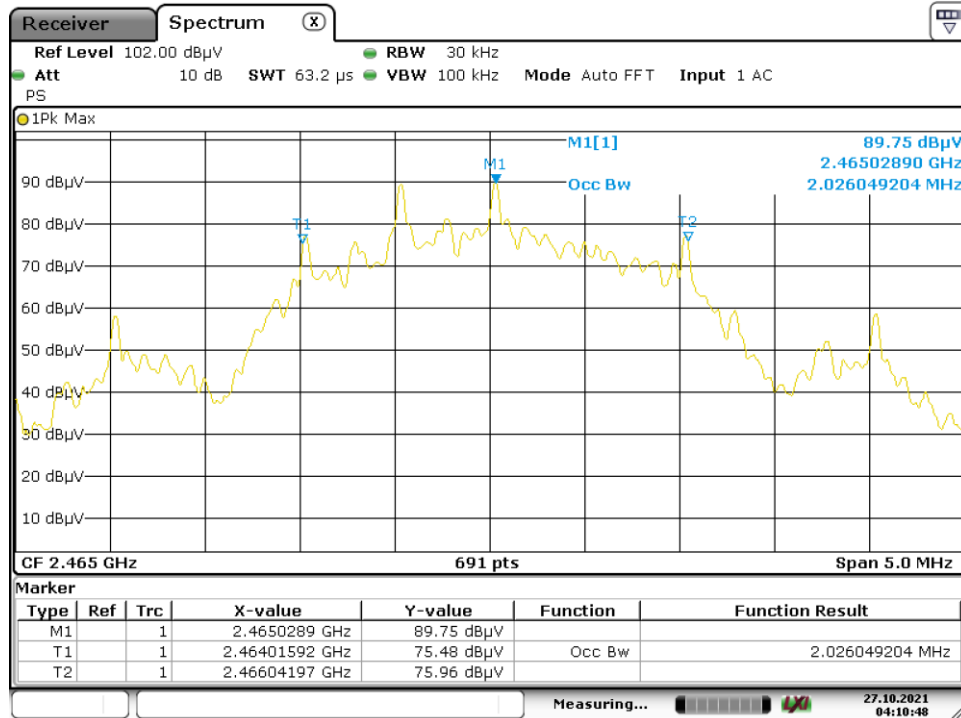
Date: 27.OCT.2021 04:12:50



Date: 27.OCT.2021 04:09:31

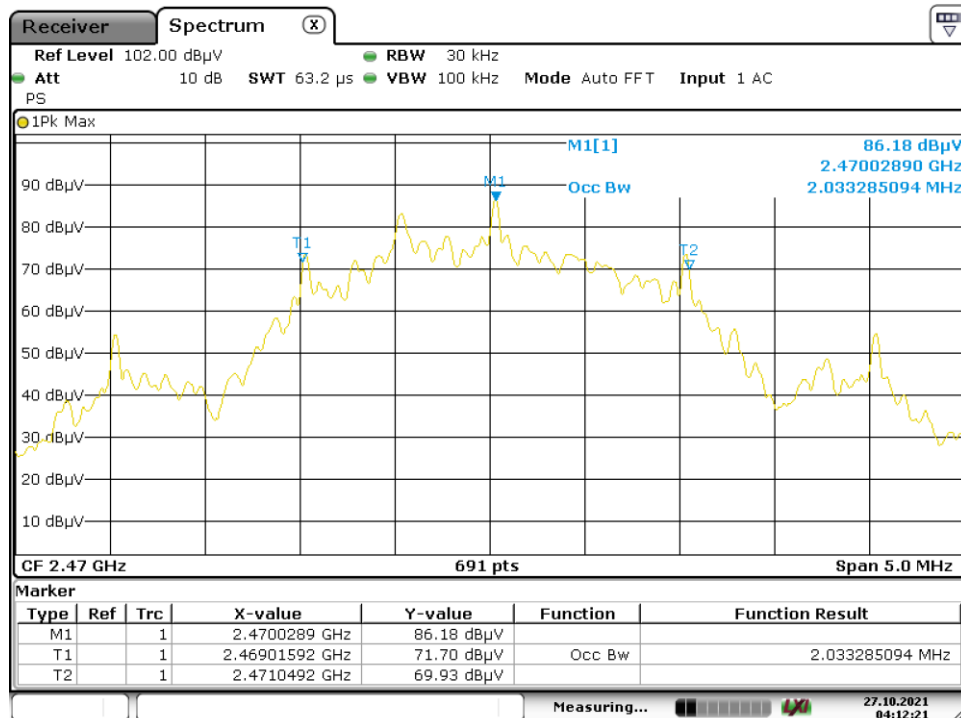
Appendix B.3: Test Results of 99% Bandwidth

2465MHz

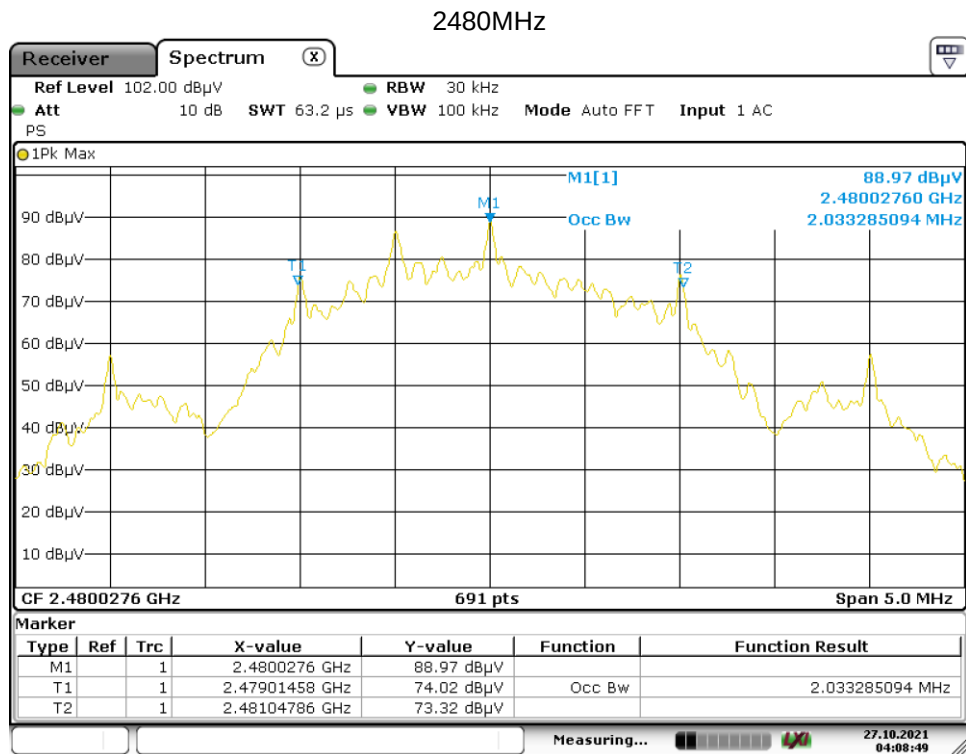


Date: 27.OCT.2021 04:10:48

2470MHz



Date: 27.OCT.2021 04:12:21

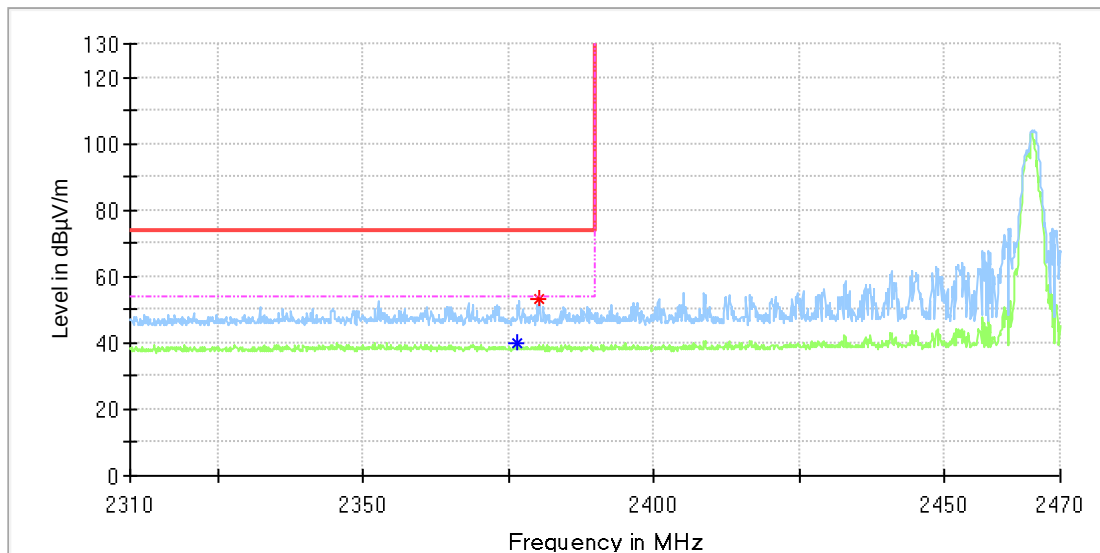


Date: 27.OCT.2021 04:08:49

Appendix B.4: Test Results of Band Edge

EUT Information

EUT Name:	ELECTRONIC TOILET SEAT
Model:	V7216
Test Mode:	2.4GHz Low CH
Order No/Sample No:	168335554/A003140963-005
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

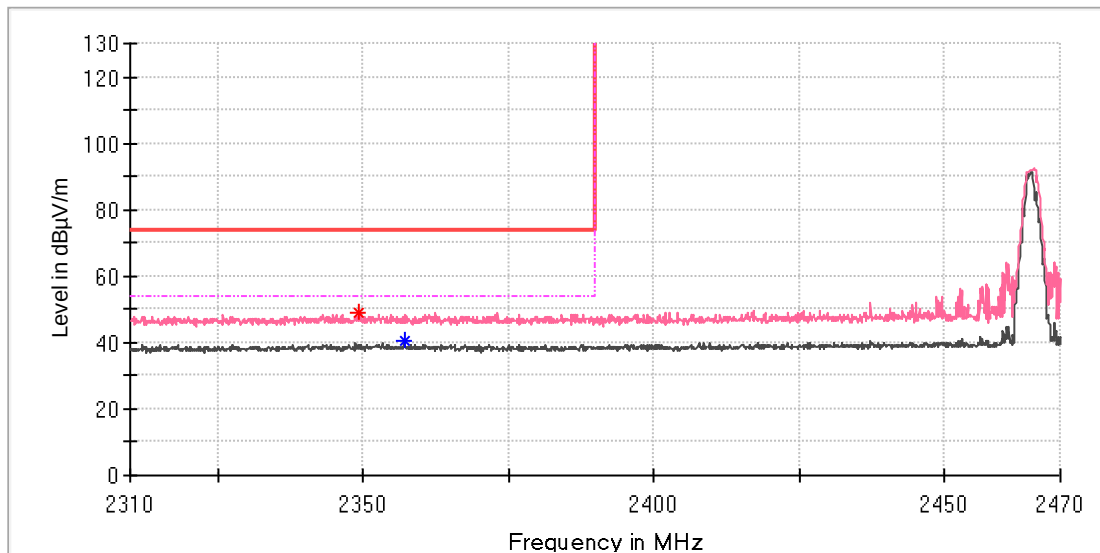


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2376.600000	---	39.65	54.00	14.35	100.0	H	279.0	6.9
2380.500000	52.96	---	74.00	21.04	100.0	H	300.0	7.0

EUT Information

EUT Name:	ELECTRONIC TOILET SEAT
Model:	V7216
Test Mode:	2.4GHz Low CH
Order No/Sample No:	168335554/A003140963-005
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

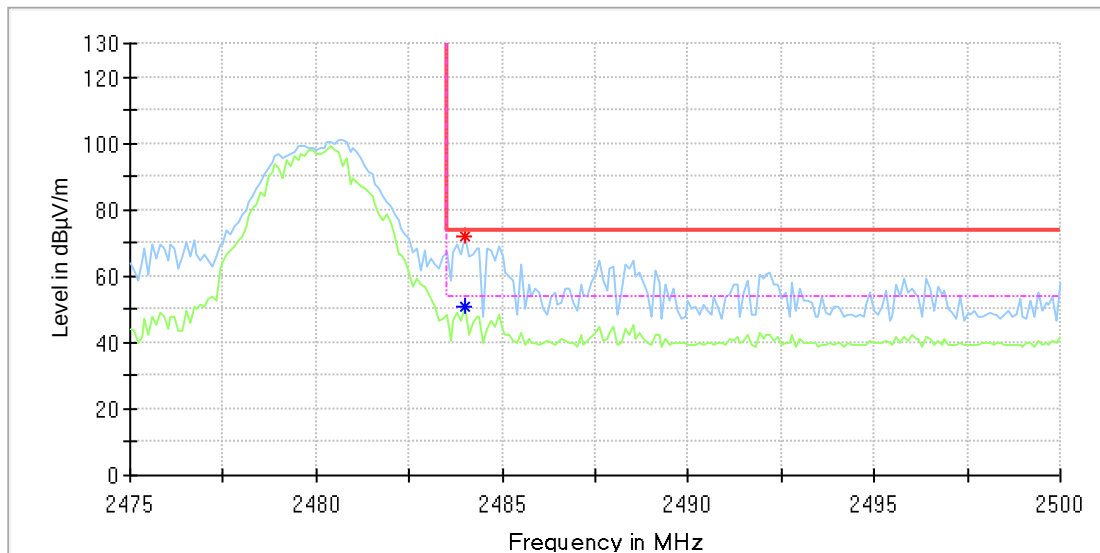


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2349.400000	49.18	---	74.00	24.82	100.0	V	286.0	6.9
2357.100000	---	40.35	54.00	13.65	100.0	V	277.0	6.9

EUT Information

EUT Name:	ELECTRONIC TOILET SEAT
Model:	V7216
Test Mode:	2.4GHz High CH
Order No/Sample No:	168335554/A003140963-005
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

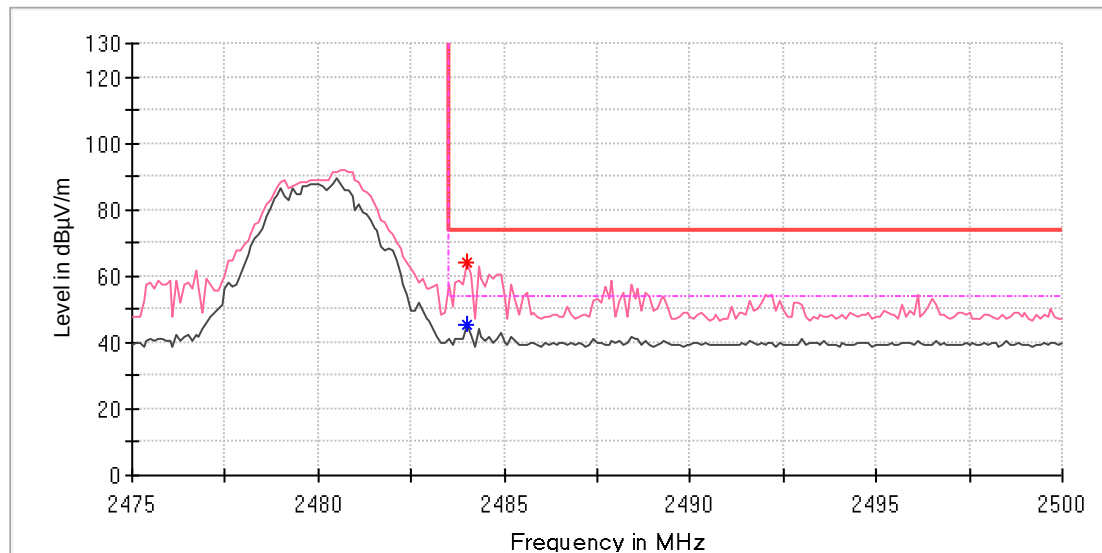


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.000000	---	50.63	54.00	3.37	100.0	H	282.0	7.4
2484.000000	71.99	---	74.00	2.01	100.0	H	282.0	7.4

EUT Information

EUT Name:	ELECTRONIC TOILET SEAT
Model:	V7216
Test Mode:	2.4GHz High CH
Order No/Sample No:	168335554/A003140963-005
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.249
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.000000	63.86	---	74.00	10.14	100.0	V	228.0	7.4
2484.000000	---	45.36	54.00	8.64	100.0	V	228.0	7.4