

# Test Report

**Report No.:** MTi240312014-01E1

**Date of issue:** 2024-03-22

**Applicant:** Chug Inc.

**Product:** 3-in-1 multi-charger

**Model(s):** QIC37, HKWP2993-25

**FCC ID:** 2AO23-QIC37

Shenzhen Microtest Co., Ltd.

<http://www.mtitest.com>

## Instructions

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2. The test results in this test report are only responsible for the samples submitted
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4. This test report is invalid if transferred, altered, or tampered with in any form without authorization.
5. Any objection to this test report shall be submitted to the laboratory within 15 days from the date of receipt of the report.

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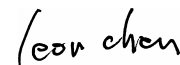
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<b>Test Result Certification</b>	
<b>Applicant:</b>	<b>Chug Inc.</b>
Address:	7157 Shady Oak Road, Eden Prairie, MN 55344, USA
<b>Manufacturer:</b>	<b>Chug Inc.</b>
Address:	7157 Shady Oak Road, Eden Prairie, MN 55344, USA
<b>Factory:</b>	<b>PYS VIETNAM TECHNOLOGY COMPANY LTD</b>
Address:	CN-06,Thuanthanh II Industrial Zone, Mao Dien Commune, Thuanthanh District, Bacninh, Vietnam
<b>Product description</b>	
Product name:	3-in-1 multi-charger
Trademark:	heyday
Model name:	QIC37
Series Model:	HKWP2993-25
Standards:	FCC 47 CFR Part 15 Subpart C
Test method:	ANSI C63.10-2013
<b>Date of Test</b>	
Date of test:	2023-03-30 ~ 2023-04-18 2024-03-15 ~ 2024-03-22
Test result:	Pass

Note: The report is added the information of factory, changed the adapter and the internal cable color of EUT photos on the basis of MTi220829009-02E1. After evaluation, AC power line Conducted emissions and Radiated spurious emission(between 30MHz-1GHz) are retested, other test data is not affected, citing the original report (date 2023-06-01).

**Test Engineer :**


(Yanice Xie)

**Reviewed By :**


(Leon Chen)

**Approved By :**


(Tom Xue)

## 1. General Description

### 1.1 Description of the EUT

Product name:	3-in-1 multi-charger
Model name:	QIC37
Series Model:	HKWP2993-25
Model difference:	All the models are the same circuit and module, except the model name.
Electrical rating:	Input: DC 12V/2.5A, 15V/2A Output: MagSafe Output: 15W, iWatch Output: 5W, Earphone Output: 5W
Accessories:	1. Adapter: Model: PYS-WAC21030-01 Input: 100-240V-50/60Hz 0.8A Output: 5V=3A, 9V=3A, 12V=2.5A, 15V=2A, 20V=1.5A  2. Cable: Type-C to Type-C cable 1.8m
Hardware version:	V1.0
Software version:	V1.0
Test sample(s) number:	MTi220829009-02S1001 MTi240312014-01S1001
<b>RF specification:</b>	
Operation frequency:	Transmitter 1(Earphone): 115 kHz – 205 kHz Transmitter 2(Phone): 115 kHz – 205 kHz&360 kHz Transmitter 3(Watch): 326.5 kHz
Modulation type:	ASK
Antenna type:	Coil Antenna

## 1.2 Description of test modes

All the test modes were carried out with the EUT in normal operation, the final test mode of the EUT was the worst test mode for emission test, which was shown in this report and defined as:

No.	Emission test modes
Mode 1	Wireless MagSafe Output(5W)+iWatch(5W)+Earphone(5W)
Mode 2	Wireless MagSafe Output(7.5W)+iWatch(5W)+Earphone(5W)
Mode 3	Wireless MagSafe Output(15W)+iWatch(5W)+Earphone(5W)
Mode 4	Wireless MagSafe Output(5W)+iWatch(5W)
Mode 5	Wireless MagSafe Output(7.5W)+iWatch(5W)
Mode 6	Wireless MagSafe Output(15W)+iWatch(5W)
Mode 7	Wireless MagSafe Output(5W)+Earphone(5W)
Mode 8	Wireless MagSafe Output(7.5W)+Earphone(5W)
Mode 9	Wireless MagSafe Output(15W)+Earphone(5W)
Mode 10	Wireless iWatch(5W)+Earphone(5W)
Mode 11	Wireless MagSafe Output(5W)
Mode 12	Wireless MagSafe Output(7.5W)
Mode 13	Wireless MagSafe Output(15W)
Mode 14	Wireless iWatch(5W)
Mode 15	Wireless Earphone(5W)
Mode 16	Standby
<b>The worst test mode of conducted emissions: Mode 3</b>	
<b>The worst test mode of radiated emissions: Mode 3</b>	

### 1.3 Description of support units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

<b>Support equipment list</b>			
Description	Model	Serial No.	Manufacturer
Load	YBZ1.1	/	YBZ
Iphone 12	A2404	F17DLCK70DYN	Apple
Air Pods	/	/	Apple
Earphone	/	/	Xiaomi

<b>Support cable list</b>			
Description	Length (m)	From	To
/	/	/	/

### 1.4 Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15°C~35°C
Humidity:	20 % RH ~ 75 % RH
Atmospheric pressure:	98 kPa~101 kPa

## 2. Measurement uncertainty

Measurement	Uncertainty
Conducted emission (9 kHz~30 MHz)	$\pm 2.5$ dB
Radiated emission (9 kHz ~ 30 MHz)	$\pm 4.0$ dB
Radiated emission (30 MHz~1 GHz)	$\pm 4.2$ dB
Radiated emission (above 1 GHz)	$\pm 4.3$ dB
Occupied bandwidth	$\pm 3$ %
Temperature	$\pm 1$ degree
Humidity	$\pm 5$ %

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

## 3. Test laboratory

Test laboratory:	Shenzhen Microtest Co., Ltd.
Test site location:	101, No.7, Zone 2, Xinxing Industrial Park, Fuhai Avenue, Xinhe Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China
Telephone:	(86-755)88850135
Fax:	(86-755)88850136
CNAS Registration No.:	CNAS L5868
FCC Registration No.:	448573



#### 4. Summary of Test Result

No.	FCC reference	Description of test	Result
<b>Emission</b>			
1	FCC Part 15.203	Antenna requirement	Pass
2	FCC Part 15.207	AC power line Conducted emissions	Pass
3	FCC Part 15.209	Radiated emissions	Pass
4	FCC Part 15.215	Occupied bandwidth	Pass

## 5. List of test equipment

No.	Equipment	Manufacturer	Model	Serial No.	Cal. date	Cal. Due
MTI-E043	EMI test receiver	R&S	ESCI7	101166	2022/05/05	2023/05/04
MTI-E044	Broadband antenna	Schwarzbeck	VULB9163	9163-1338	2021/05/30	2024/05/29
MTI-E045	Horn antenna	Schwarzbeck	BBHA9120D	9120D-2278	2021/05/30	2024/05/29
MTi-E046	Active Loop Antenna	Schwarzbeck	FMZB 1519 B	00066	2021/05/30	2024/05/29
MTI-E047	Pre-amplifier	Hewlett-Packard	8447F	3113A06184	2022/05/05	2023/05/04
MTI-E048	Pre-amplifier	Agilent	8449B	3008A01120	2022/05/05	2023/05/04
MTi-E120	Broadband antenna	Schwarzbeck	VULB9163	9163-1419	2021/05/30	2024/05/29
MTi-E121	Pre-amplifier	Hewlett-Packard	8447D	2944A09365	2022/05/05	2023/05/04
MTi-E123	Pre-amplifier	Agilent	8449B	3008A04723	2022/05/05	2023/05/04
MTi-E122	MXA signal analyzer	Agilent	N9020A	MY5444085 9	2022/05/05	2023/05/04
MTi-E001	Artificial Mains Network	R&S	ESH2-Z5	100263	2022/05/05	2023/05/04
MTi-E002	EMI Test Receiver	R&S	ESCI3	101368	2022/05/05	2023/05/04
MTi-E023	Artificial power network	Schwarzbeck	NSLK8127	NSLK8127# 841	2022/05/05	2023/05/04
MTi-E025	Artificial power network	Schwarzbeck	NSLK8127	8127183	2022/05/05	2023/05/04
MTi-E026	8-wire Impedance Stabilization Network	Schwarzbeck	NTFM 8158	NTFM 8158 #199	2022/05/05	2023/05/04
MTi-E021	EMI Test Receiver	R&S	ESCS30	100210	2022/05/05	2023/05/04
MTi-E024	Artificial power network	Schwarzbeck	NSLK8127	01001	2022/05/05	2023/05/04

No.	Equipment	Manufacturer	Model	Serial No.	Cal. date	Cal. Due
Conducted Emission at AC power line						
1	EMI Test Receiver	Rohde&schwarz	ESCI3	101368	2023-04-26	2024-04-25
2	Artificial mains network	Schwarzbeck	NSLK 8127	183	2023-05-05	2024-05-04
3	Artificial Mains Network	Rohde & Schwarz	ESH2-Z5	100263	2023-06-03	2024-06-02
20dB Occupied Bandwidth						
1	Wideband Radio Communication Tester	Rohde&schwarz	CMW500	149155	2023-04-26	2024-04-25
2	ESG Series Analog Ssignal Generator	Agilent	E4421B	GB40051240	2023-04-25	2024-04-24
3	PXA Signal Analyzer	Agilent	N9030A	MY51350296	2023-04-25	2024-04-24
4	Synthesized Sweeper	Agilent	83752A	3610A01957	2023-04-25	2024-04-24
5	MXA Signal Analyzer	Agilent	N9020A	MY50143483	2023-04-26	2024-04-25
6	RF Control Unit	Tonscend	JS0806-1	19D8060152	2023-04-26	2024-04-25
7	Band Reject Filter Group	Tonscend	JS0806-F	19D8060160	2023-05-05	2024-05-04
8	ESG Vector Signal Generator	Agilent	N5182A	MY50143762	2023-04-25	2024-04-24
9	DC Power Supply	Agilent	E3632A	MY40027695	2023-05-05	2024-05-04
Emissions in frequency bands (below 30MHz)						
1	EMI Test Receiver	Rohde&schwarz	ESCI7	101166	2023-04-26	2024-04-25
2	Active Loop Antenna	Schwarzbeck	FMZB 1519 B	00066	2023-06-11	2025-06-10
3	Amplifier	Hewlett-Packard	8447F	3113A06184	2023-04-25	2024-04-24
Emissions in frequency bands (30MHz - 1GHz)						
1	EMI Test Receiver	Rohde&schwarz	ESCI7	101166	2023-04-26	2024-04-25
2	TRILOG Broadband Antenna	schwarabeck	VULB 9163	9163-1338	2023-06-11	2025-06-10
3	Active Loop Antenna	Schwarzbeck	FMZB 1519 B	00066	2023-06-11	2025-06-10
4	Amplifier	Hewlett-Packard	8447F	3113A06184	2023-04-25	2024-04-24
5	Multi-device Controller	TuoPu	TPMDC	/	2023-05-04	2024-05-03

## 6. Test Results

### 6.1 Antenna requirement

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §§15.211, 15.213, 15.217, 15.219, 15.221, or §15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

#### Description of the EUT antenna

The antenna of EUT is coil antenna, which is integrated on the main PCB of the EUT and no consideration of replacement.

## 6.2 AC power line conducted emissions

### 6.2.1 Limits

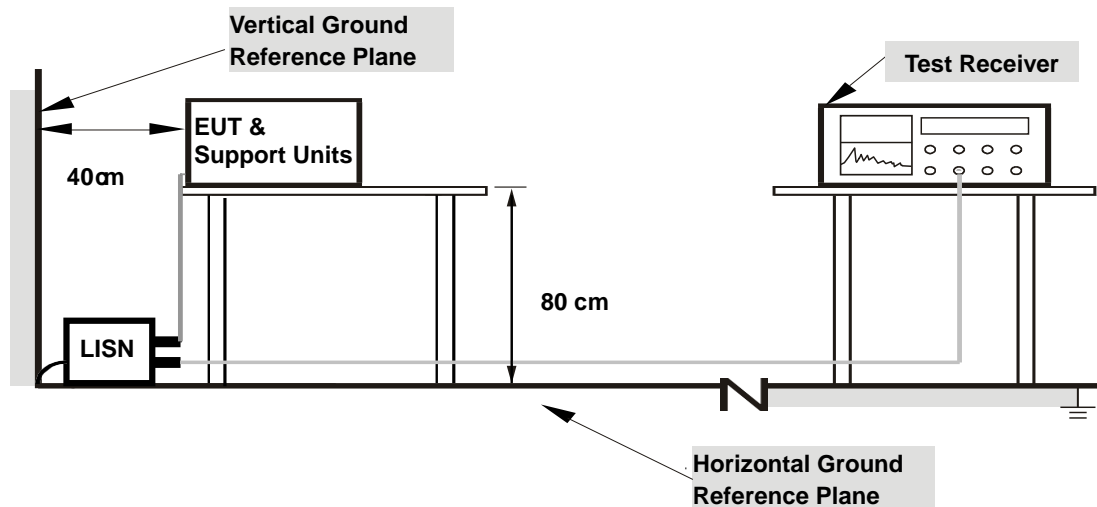
Frequency (MHz)	Detector type / Bandwidth	Limit-Quasi-peak dB $\mu$ V	Limit-Average dB $\mu$ V
0.15 -0.5	Average / 9 kHz	66 to 56	56 to 46
0.5 -5		56	46
5 -30		60	50

**Note 1:** the limit decreases with the logarithm of the frequency in the range of 0.15 MHz to 0.5 MHz.

### 6.2.2 Test Procedures

- The test setup is refer to the standard ANSI C63.10-2013.
- The EUT is connected to the main power through a line impedance stabilization network (LISN). All support equipment is powered from additional LISN(s).
- Emissions were measured on each current carrying line of the EUT using an EMI test receiver connected to the LISN powering the EUT.
- The test receiver scanned from 150 kHz to 30 MHz for emissions in each of the test modes described in Item 1.2.
- The test data of the worst-case condition(s) was recorded.

### 6.2.3 Test setup



For the actual test configuration, please refer to the related item – Photographs of the test setup.

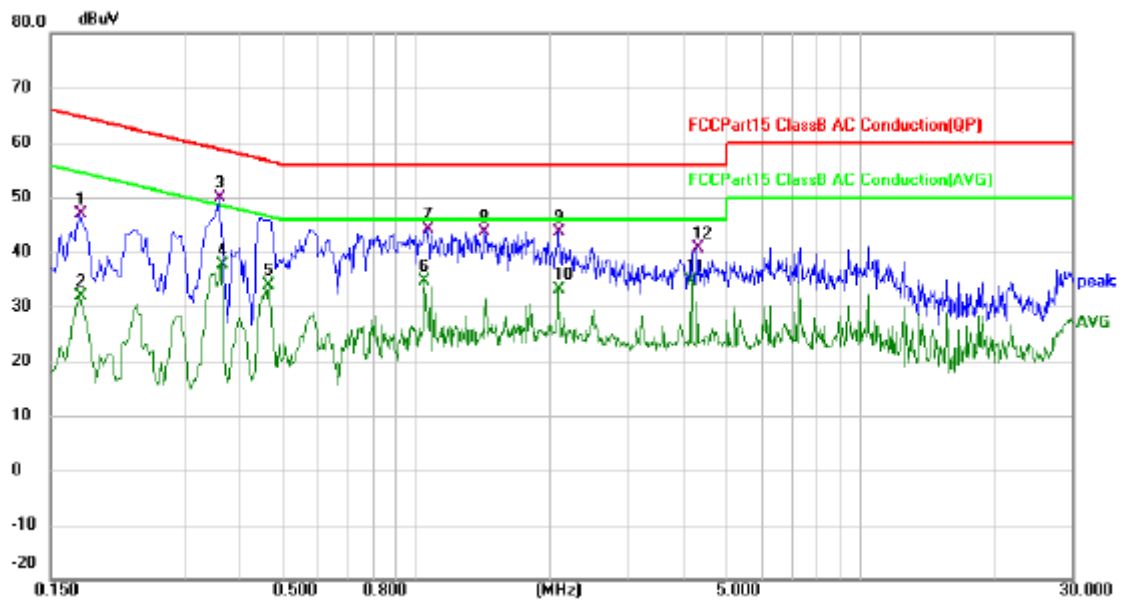
### 6.2.4 Test Result

#### Calculation formula:

Measurement (dB $\mu$ V) = Reading Level (dB $\mu$ V) + Correct Factor (dB)

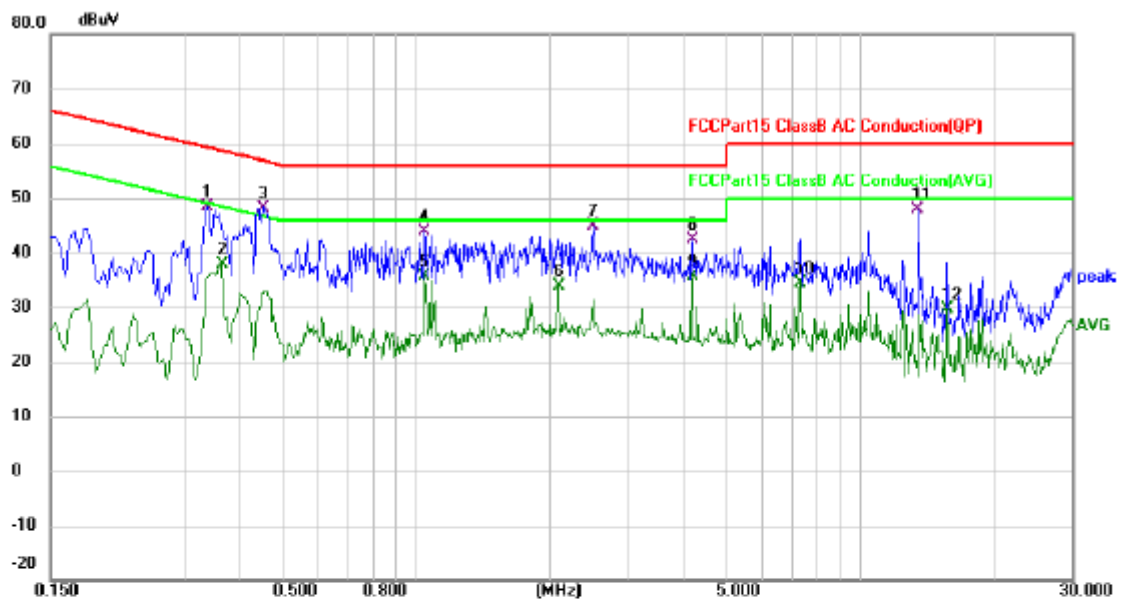
Over (dB) = Measurement (dB $\mu$ V) – Limit (dB $\mu$ V)

Mode3 / Line: Line



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1740	36.62	10.38	47.00	64.77	-17.77	QP	
2		0.1740	21.60	10.38	31.98	54.77	-22.79	AVG	
3	*	0.3580	38.64	11.18	49.82	58.77	-8.95	QP	
4		0.3620	26.34	11.18	37.52	48.68	-11.16	AVG	
5		0.4660	22.46	11.44	33.90	46.58	-12.68	AVG	
6		1.0460	21.81	12.72	34.53	46.00	-11.47	AVG	
7		1.0660	31.30	12.76	44.06	56.00	-11.94	QP	
8		1.4299	30.25	13.48	43.73	56.00	-12.27	QP	
9		2.0940	33.07	10.63	43.70	56.00	-12.30	QP	
10		2.0940	22.55	10.63	33.18	46.00	-12.82	AVG	
11		4.1779	24.00	10.64	34.64	46.00	-11.36	AVG	
12		4.3019	30.05	10.65	40.70	56.00	-15.30	QP	

Mode3 / Line: Neutral



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.3379	37.30	11.13	48.43	59.25	-10.82	QP	
2		0.3620	26.63	11.18	37.81	48.68	-10.87	AVG	
3	*	0.4540	36.85	11.40	48.25	56.80	-8.55	QP	
4		1.0460	31.17	12.72	43.89	56.00	-12.11	QP	
5		1.0460	22.90	12.72	35.62	46.00	-10.38	AVG	
6		2.0940	23.36	10.63	33.99	46.00	-12.01	AVG	
7		2.5100	34.32	10.64	44.96	56.00	-11.04	QP	
8		4.1740	31.84	10.64	42.48	56.00	-13.52	QP	
9		4.1860	25.11	10.64	35.75	46.00	-10.25	AVG	
10		7.3300	23.63	10.71	34.34	50.00	-15.66	AVG	
11		13.5500	37.01	10.95	47.96	60.00	-12.04	QP	
12		15.6820	18.47	11.05	29.52	50.00	-20.48	AVG	

Note: The report is only shown the worst data about AC 120V.

### 6.3 Radiated emissions

#### 6.3.1 Limits

Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

**Note 1:** the tighter limit applies at the band edges.

**Note 2:** the emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector

§ 15.35 (b) requirements:

When average radiated emission measurements are specified in this part, including average emission measurements below 1000 MHz, there also is a limit on the peak level of the radio frequency emissions. Unless otherwise specified, e.g., see §§ 15.250, 15.252, 15.253(d), 15.255, 15.256, and 15.509 through 15.519, the limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit applicable to the equipment under test.

According to ANSI C63.10, the tests shall be performed in the frequency range shown in the following table:

#### Frequency range of measurements for unlicensed wireless device

Lowest frequency generated in the device	Upper frequency range of measurement
9 kHz to below 10 GHz	10th harmonic of highest fundamental frequency or to 40 GHz, whichever is lower
At or above 10 GHz to below 30 GHz	5th harmonic of highest fundamental frequency or to 100 GHz, whichever is lower
At or above 30 GHz	5th harmonic of highest fundamental frequency or to 200 GHz, whichever is lower, unless otherwise specified

#### Frequency range of measurements for unlicensed wireless device with digital device

Highest frequency generated or used in the device or on which the device operates or tunes	Upper frequency range of measurement
Below 1.705 MHz	30 MHz
1.705 MHz to 108 MHz	1000 MHz
108 MHz to 500 MHz	2000 MHz
500 MHz to 1000 MHz	5000 MHz
Above 1000 MHz	5th harmonic of the highest frequency or 40 GHz, whichever is lower



**Test instrument setup**

Frequency	Test receiver / Spectrum analyzer setting
9 kHz ~ 150 kHz	Quasi Peak / 200 Hz
150 kHz ~ 30 MHz	Quasi Peak / 9 kHz
30 MHz ~ 1 GHz	Quasi Peak / 120 kHz

**6.3.2 Test Procedures**

The EUT is placed on a non-conducting table 80cm above the ground plane for measurement below 1 GHz. The antenna to EUT distance is 3 meters. The EUT is configured in accordance with ANSI C63.10-2013.

For measurement below 1 GHz, the resolution bandwidth is set as item 5.4.2.

The frequency range of interest is monitored at a fixed antenna height and EUT azimuth. The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4m meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and horizontal positions.

**Special requirements for 9 kHz to 30 MHz:**

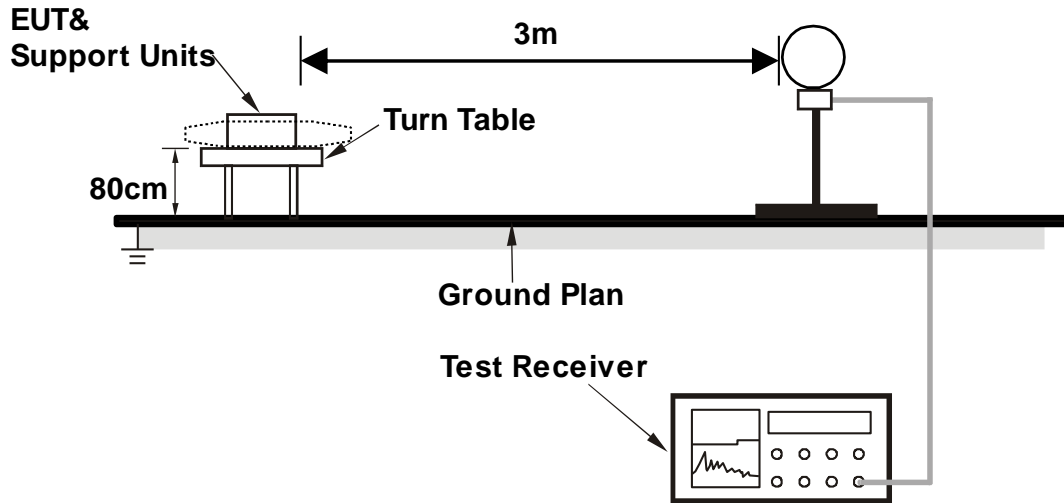
The lowest height of the magnetic antenna shall be 1 m above the ground

When the EUT contains a loop antenna that can only be placed in a vertical axis, normal measurements shall be made aligning the measurement antenna along the site axis, and then orthogonal to the axis. For each measurement antenna alignment, the EUT shall be rotated through 0° to 360° on a turntable.

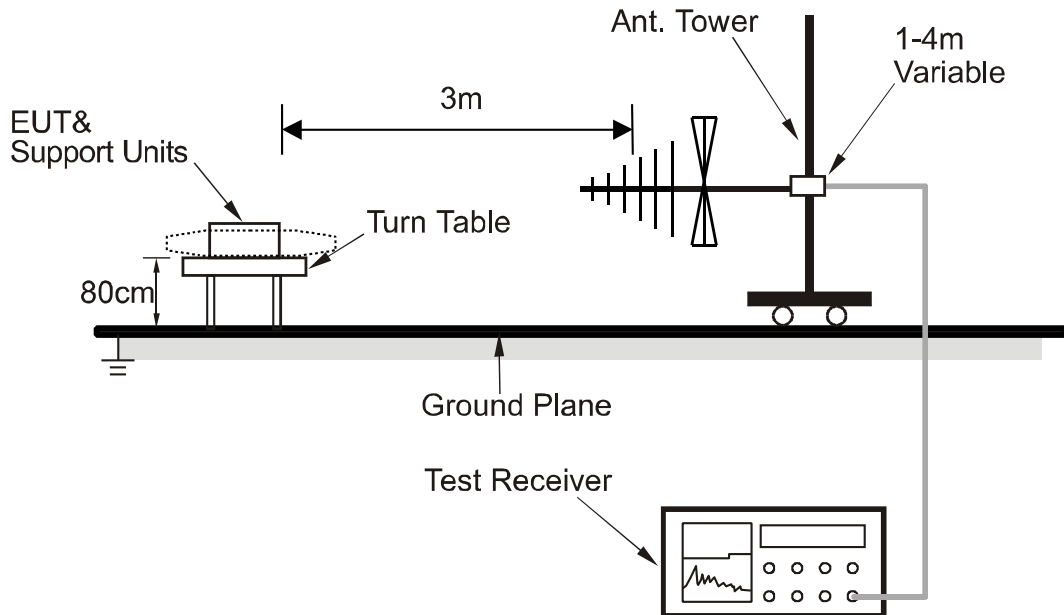
When the EUT contains a loop antenna that can be placed in a horizontal or vertical axis, normal measurements shall be made aligning the measurement antenna along the site axis, orthogonal to the axis, and then with the measurement antenna horizontal. For each measurement antenna alignment, the EUT shall be rotated through 0° to 360° on a turntable.

### 6.3.3 Test Setup

Below 30 MHz:



Below 1 GHz:



For the actual test configuration, please refer to the related item – Photographs of the test setup.

### 6.3.4 Test result

**Calculation formula:**

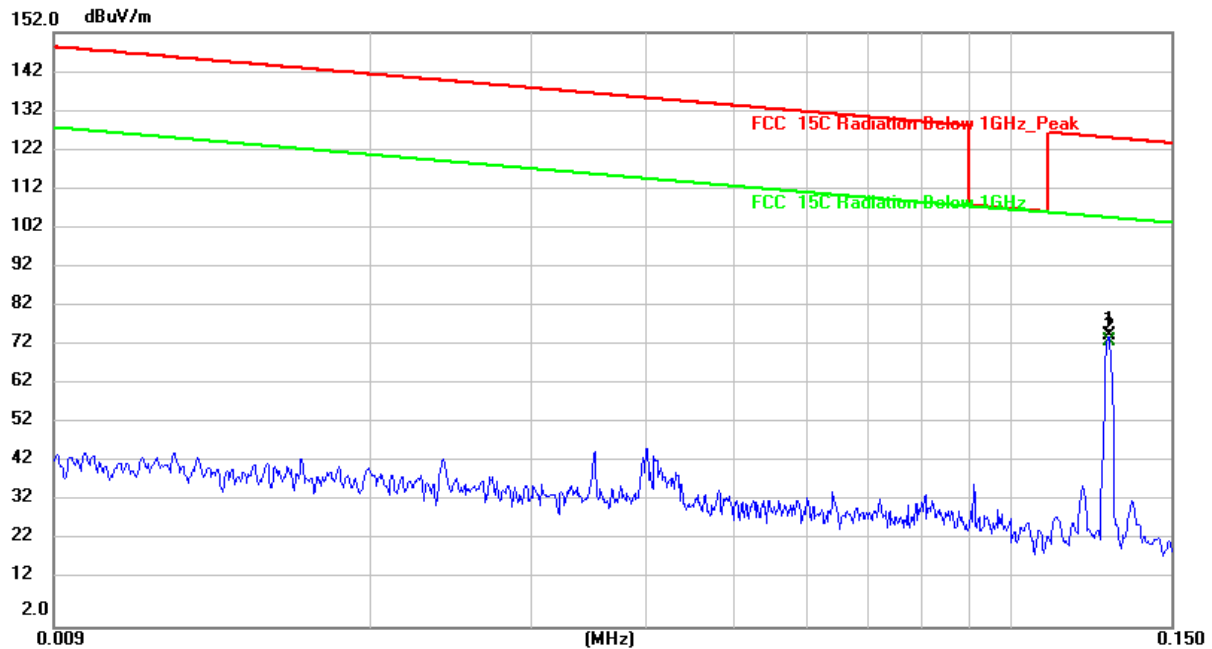
Measurement (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Correct Factor (dB/m)

Over (dB) = Measurement (dB $\mu$ V/m) – Limit (dB $\mu$ V/m)

**Note:** For 9 kHz - 30 MHz testing, all the required orthogonal orientations of the measurement loop antenna were performed for pre-scan, the maximum radiated transmissions (Site axis) were recorded.

**Frequency 9 kHz ~ 150 kHz**

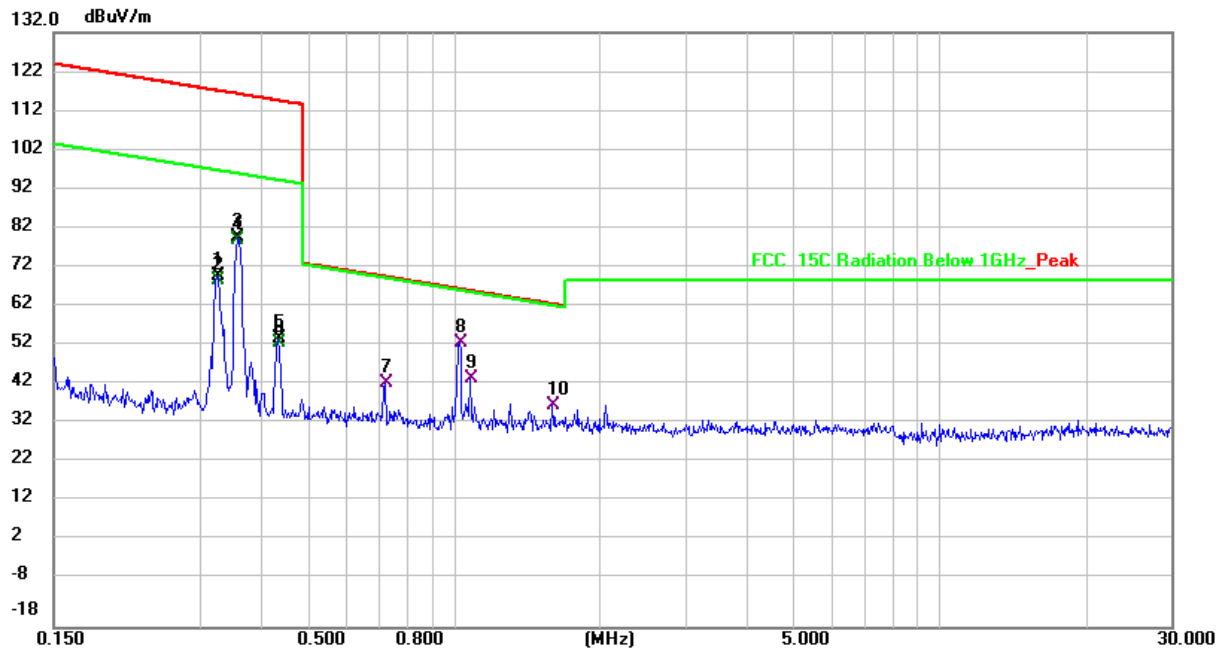
Test mode:	Mode 3	Polarization:	Site axis
Power supply:	Powered by AC/DC adapter (AC 120V/60Hz)	Test site:	RE chamber 1



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	
1		0.1281	54.40	21.20	75.60	125.47	-49.87	peak
2	*	0.1281	53.00	21.20	74.20	105.47	-31.27	AVG

**Frequency 150 kHz ~ 30 MHz**

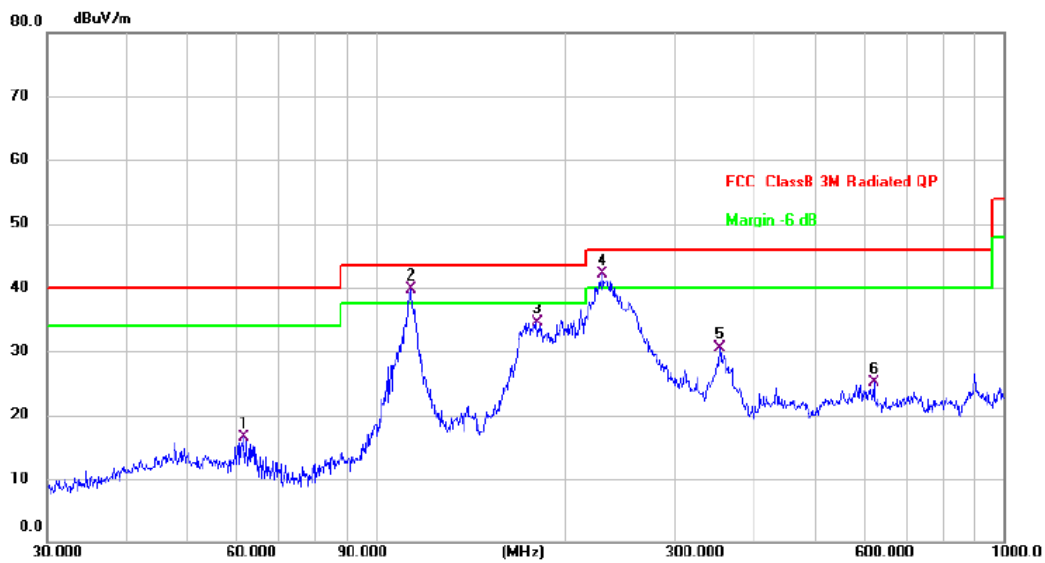
Test mode:	Mode 3	Polarization:	Site axis
Power supply:	Powered by AC/DC adapter (AC 120V/60Hz)	Test site:	RE chamber 1



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector
1		0.3261	49.34	21.33	70.67	117.34	-46.67	peak
2		0.3261	48.17	21.33	69.50	97.34	-27.84	AVG
3		0.3593	59.07	21.33	80.40	116.50	-36.10	peak
4		0.3593	58.27	21.33	79.60	96.50	-16.90	AVG
5		0.4351	33.55	21.32	54.87	114.83	-59.96	peak
6		0.4351	32.58	21.32	53.90	94.83	-40.93	AVG
7		0.7236	21.99	21.57	43.56	70.42	-26.86	QP
8	*	1.0265	32.06	21.87	53.93	67.39	-13.46	QP
9		1.0824	22.78	21.87	44.65	66.94	-22.29	QP
10		1.5935	13.05	25.05	38.10	63.59	-25.49	QP

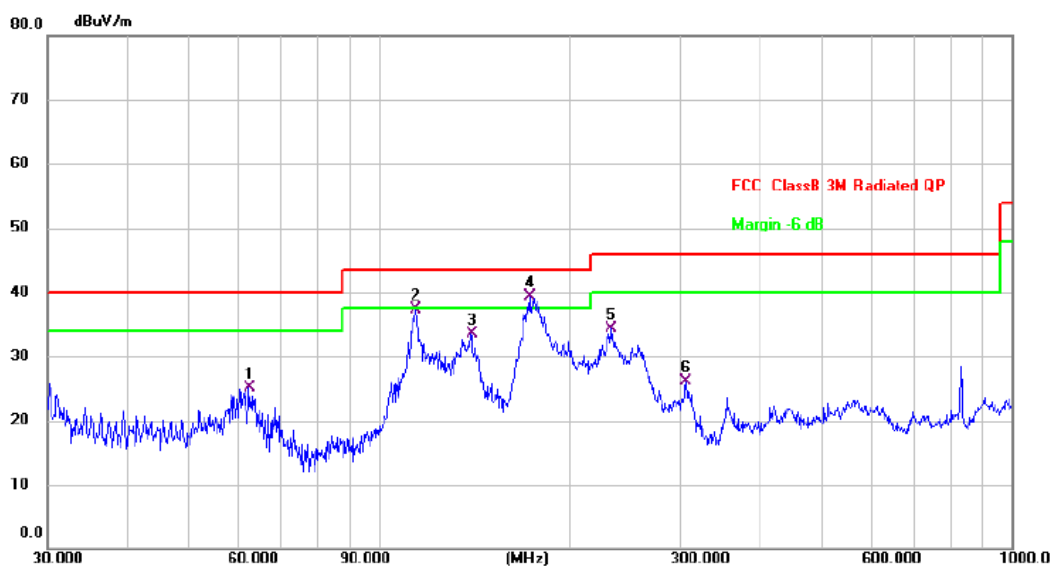
**Frequency 30 MHz ~ 1 GHz**

Mode3 / Polarization: Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		61.5618	31.14	-14.71	16.43	40.00	-23.57	QP	
2	*	113.7143	54.35	-14.74	39.61	43.50	-3.89	QP	
3		180.0165	50.47	-15.89	34.58	43.50	-8.92	QP	
4	!	230.0985	55.54	-13.52	42.02	46.00	-3.98	QP	
5		352.9433	40.73	-10.14	30.59	46.00	-15.41	QP	
6		620.7096	31.28	-6.20	25.08	46.00	-20.92	QP	

Mode3 / Polarization: Vertical



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	62.4314	40.17	-15.05	25.12	40.00	-14.88	QP	
2	114.5146	52.16	-14.92	37.24	43.50	-6.26	QP	
3	139.8508	48.59	-15.08	33.51	43.50	-9.99	QP	
4 *	173.2051	55.84	-16.54	39.30	43.50	-4.20	QP	
5	232.5318	47.78	-13.39	34.39	46.00	-11.61	QP	
6	305.6800	37.41	-11.33	26.08	46.00	-19.92	QP	

Note: The report is only shown the worst data about AC 120V.

## 6.4 Occupied bandwidth test

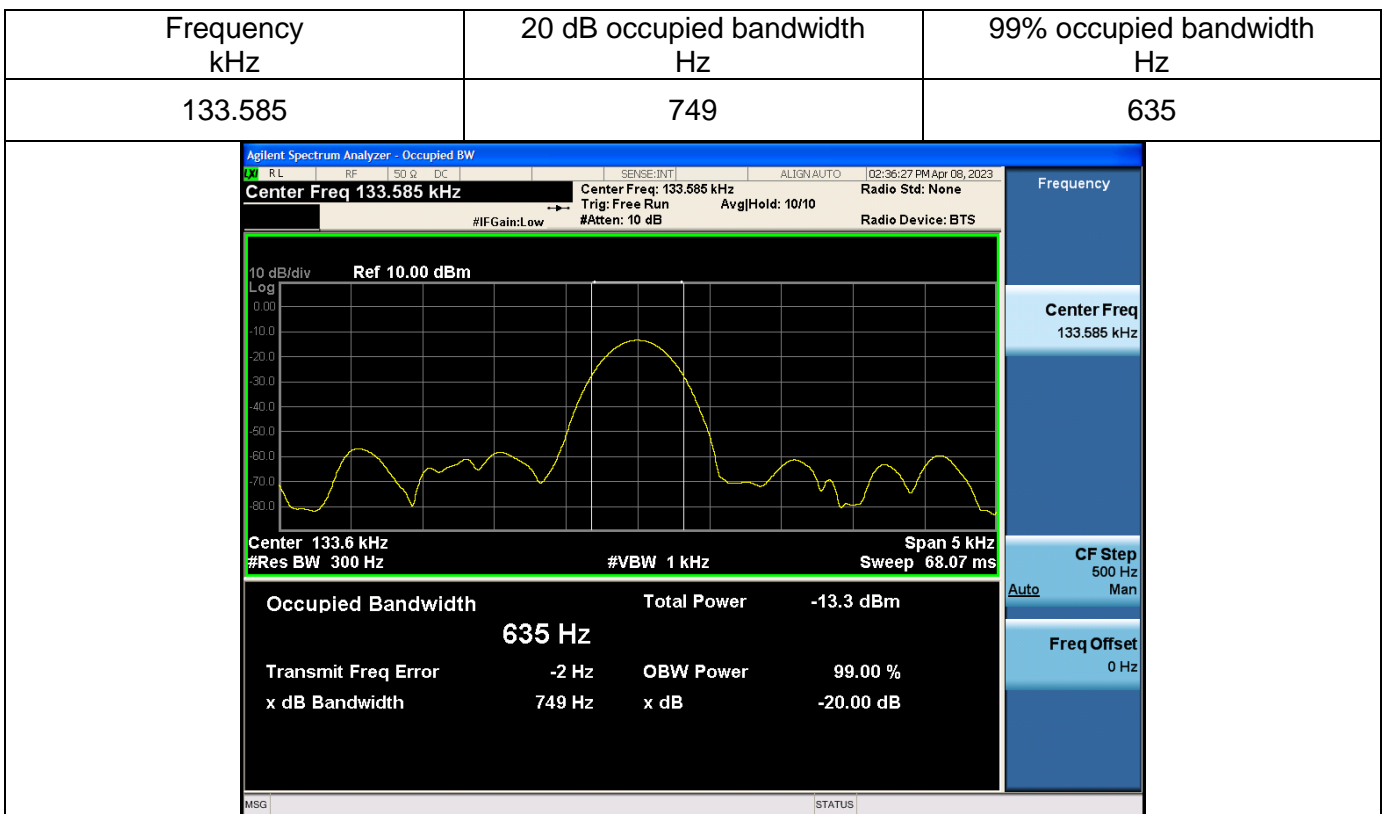
### 6.4.1 Test Procedures

- The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the EMI receiver or spectrum analyzer shall be between two times and five times the OBW.
- The nominal IF filter bandwidth (3 dB RBW) shall be in the range of 1% to 5% of the OBW and video bandwidth (VBW) shall be approximately three times RBW.
- Set the reference level of the instrument as required, keeping the signal from exceeding the maximum input mixer level for linear operation.
- The dynamic range of the instrument at the selected RBW shall be more than 10 dB below the target “-xx dB down” requirement
- Set detection mode to peak and trace mode to max hold.
- Determine the “-xx dB down amplitude” using [(reference value) - xx]. Alternatively, this calculation may be made by using the marker-delta function of the instrument.

### 6.4.2 Test Result

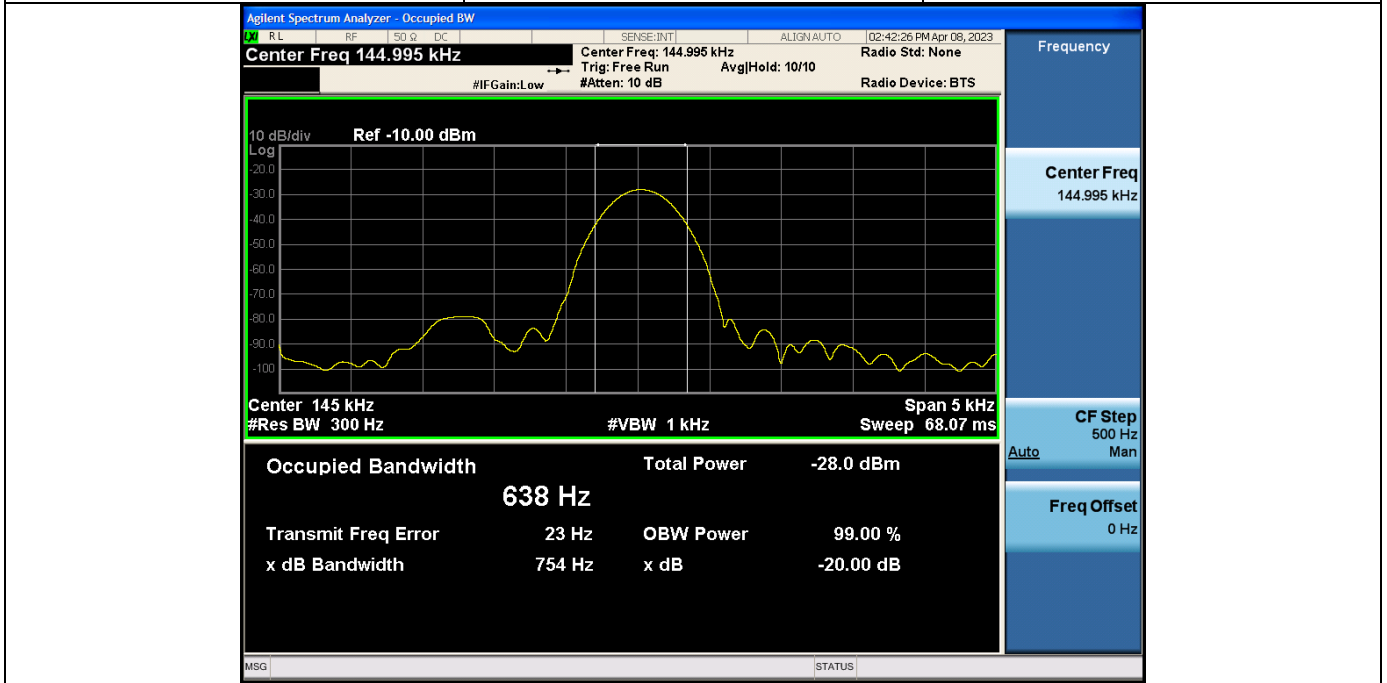
**Note:** Because the measured signal is CW-like, adjusting the RBW per C63.10 would not be practical since measurement bandwidth will always follow the RBW. The RBW is set to 300 Hz to perform the occupied bandwidth test.

Transmitter 1:

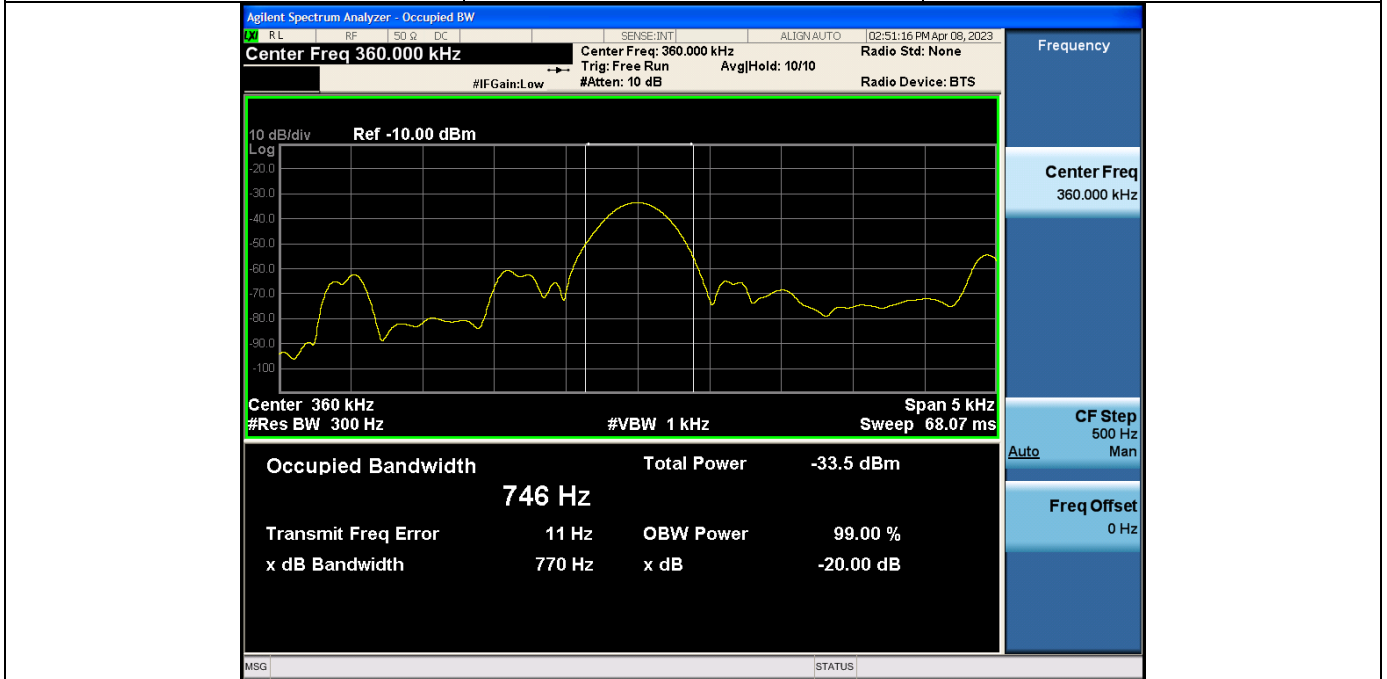


## Transmitter 2:

Frequency kHz	20 dB occupied bandwidth Hz	99% occupied bandwidth Hz
144.995	754	638



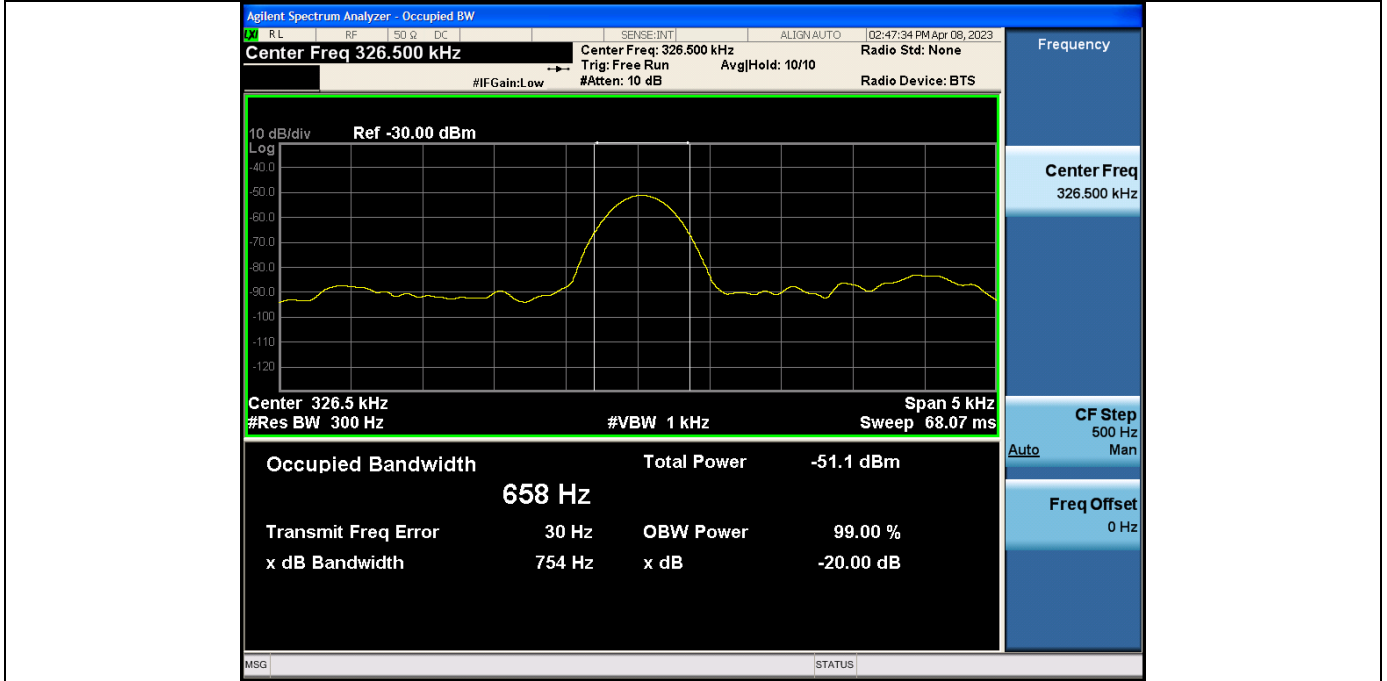
Frequency kHz	20 dB occupied bandwidth Hz	99% occupied bandwidth Hz
360.000	770	746





## Transmitter 3:

Frequency kHz	20 dB occupied bandwidth Hz	99% occupied bandwidth Hz
326.5	754	658



## Photographs of the test setup

See the Appendix – Test Setup Photos.

## Photographs of the EUT

See the Appendix - EUT Photos.

**----End of Report----**