Prüfbericht-Nr.: *Test report no.:*	CN22OAWT 002	**Auftrags-Nr.:** *Order no.*:	168339816	**Seite 1 von 22** *Page 1 of 22*
Kunden-Referenz-Nr.: *Client reference no.:*	N/A	**Auftragsdatum:** *Order date:*	2021-10-20	
Auftraggeber: *Client:*	SHEN ZHEN PUTIAN YONGGAO NEW ENERGY TECHNOLOGY CO.,LTD Room 201, Block A, No.1, Qianhaishen Port, Cooperative District, 518102 Shenzhen, P.R.China.			
Prüfgegenstand: *Test item:*	AC Wallbox Charging Station			
Bezeichnung / Typ-Nr.: *Identification / Type no.:*	WPTAC-7KW-S18-TD, WPTAC-7KW-S24-TD, WPTAC-9KW-S18-TD, WPTAC-9KW-S24-TD, WPTAC-11KW-S18-TD, WPTAC-11KW-S24-TD			
Auftrags-Inhalt: *Order content*:	Test Report			
Prüfgrundlage: *Test specification:*	CFR47 FCC Part 15: Subpart C Section 15.247 KDB 558074 D01 15.247 Meas Guidance v05r02 RSS-247 Issue 2 February 2017 RSS-Gen Issue 5 February 2021			
Wareneingangsdatum: *Date of sample receipt:*	2021-12-10			
Prüfmuster-Nr.: *Test sample no:*	A003145917-013~014 A003166015-001~002 A003166894-001			
Prüfzeitraum: *Testing period:*	2021-12-13 - 2022-02-16			
Ort der Prüfung: *Place of testing:*	Dongguan NTC Co., Ltd.			
Prüflaboratorium: *Testing laboratory:*	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: *Test result*:*	Pass			

geprüft von: *tested by:*	X Tim.zhang Signed by: Tim Zhang	**genehmigt von:** *authorized by:*	X Lin Lin Signed by: Lin Lin
Datum: *Date:* 2022-03-25		**Ausstellungsdatum:** *Issue date:* 2022-03-25	
Stellung */ Position:*	Project Manager	**Stellung** */ Position:*	Reviewer
Sonstiges */ Other:*	FCC ID: 2A4EM-PTYGEVCHARGER IC: 28264-PTYG		

Zustand des Prüfgegenstandes bei Anlieferung: Prüfmuster vollständig und unbeschädigt
Condition of the test item at delivery: *Test item complete and undamaged*

* 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*

Test Summary

5.1.1 ANTENNA REQUIREMENT
RESULT: Pass

5.1.2 MAXIMUM CONDUCTED OUTPUT POWER
RESULT: Pass

5.1.3 CONDUCTED POWER SPECTRAL DENSITY
RESULT: Pass

5.1.4 6DB BANDWIDTH
RESULT: Pass

5.1.5 99% BANDWIDTH
RESULT: Pass

5.1.6 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 KHZ BANDWIDTH
RESULT: Pass

5.1.7 RADIATED SPURIOUS EMISSION
RESULT: Pass

5.1.8 CONDUCTED EMISSION
RESULT: Pass

Contents

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: Test Results of Bluetooth Low Energy

2 Test Sites

2.1 Test Facilities

Dongguan NTC Co., Ltd.
Building D, Gaosheng Science and Technology Park, Hongtu Road, Nancheng District, Dongguan, Guangdong Province, 523000, P.R. China

A2LA Certificate Registration Number: 4429.01

CAB identifier: CN0015

The tests at the test sites 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

☒RF Connected Test					
Test Receiver	Rohde & Schwarz	ESCI7	100837	Mar. 13, 2021	1 Year
Antenna	Schwarzbeck	VULB9162	9162-010	Mar. 23, 2021	1 Year
Spectrum Analyzer	Rohde & Schwarz	FSU26	200409/026	Mar. 13, 2021	1 Year
Spectrum Analyzer	Keysight	N9020A	MY54200831	Mar. 13, 2021	1 Year
Spectrum Analyzer	Rohde & Schwarz	FSV40	101094	Mar. 13, 2021	1 Year
Horn Antenna	Schwarzbeck	BBHA9170	9170-172	Mar. 23, 2021	2 Years
Power Sensor	DARE	RPR3006W	15I00041SNO 64	Mar. 13, 2021	1 Year
Power Sensor	DARE	RPR3006W	15I00041SNO 88	Mar. 13, 2021	1 Year
Communication Tester	Rohde & Schwarz	CMW500	149004	Mar. 13, 2021	1 Year
Horn Antenna	COM-Power	AH-118	071078	Mar. 23, 2021	1 Year
Loop Antenna	Schwarzbeck	FMZB 1513	1513-272	Mar. 23, 2021	1 Year
Pre-Amplifier	HP	HP 8449B	3008A00964	Mar. 13, 2021	1 Year
Pre-Amplifier	HP	HP 8447D	1145A00203	Mar. 13, 2021	1 Year
RF Switching Unit	Compliance Direction Systems Inc.	RSU-M2	38311	Mar.13, 2021	1 Year
Temperature & Humidity Chamber	WANSHUN	SS-HWHS-80	N/A	Mar. 13, 2021	1 Year
DC Source	Maynuo	MY8811	N/A	Mar. 13, 2021	1 Year
Chamber	SAEMC	9*7*7m	N/A	Apr. 25, 2021	2 Years
Test Software	MV	MTS8310	N/A	N/A	1 Year
☒Radiation chamber					
Test Receiver	Rohde & Schwarz	ESCI7	100837	Mar. 13, 2021	1 Year

Spectrum Analyzer	Rohde & Schwarz	FSU26	200409/026	Mar. 13, 2021	1 Year
Antenna	Schwarzbeck	VULB9162	9162-010	Mar. 23, 2021	1 Year
Loop Antenna	Schwarzbeck	FMZB 1513	1513-272	Mar. 23, 2021	1 Year
Horn Antenna	COM-Power	AH-118	071078	Mar. 23, 2021	1 Year
Pre-Amplifier	HP	HP 8447D	1145A00203	Mar. 13, 2021	1 Year
Pre-Amplifier	HP	HP 8449B	3008A00964	Mar. 13, 2021	1 Year
Chamber	SAEMC	9*7*7m	N/A	Apr. 25, 2021	2 Years
Test Software	EZ	EZ_EMC	N/A	N/A	N/A
☒Power Line Conducted Emissions Test					
Test Receiver	Rohde & Schwarz	ESCI	101152	Mar. 13, 2021	1 Year
L.I.S.N	Schewarzbeck	NNLK8129	8129-212	Mar. 13, 2021	1 Year
L.I.S.N	Rohde & Schwarz	ESH2-Z5	893606/014	Mar. 13, 2021	1 Year
RF Switching Unit	Compliance Direction Systems Inc.	RSU-M2	38311	Mar. 13, 2021	1 Year
Test Software	EZ	EZ_EMC	N/A	N/A	1 Year

2.3 Traceability

All measurement equipment calibrations are traceable to Calibration organization with relevant qualification.

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 basics using in house standards or comparisons.

2.5 Measurement Uncertainty

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

Test Item	Uncertainty
Radio Frequency	±0.9 x 10^{-7}
RF Power (conducted)	±1.6 dB
Radiated Emission of Transmitter, valid up to 26.5 GHz	±5.14 dB
Radiated Emission of Receiver, valid up to 26.5 GHz	±5.14 dB
Temperature	±0.8 °C
Humidity	±3.2 %
Voltage (DC)	±0.5 %
Voltage (AC, <10kHz)	±0.4 %

Uncertainty for Radiation Emission Test (9 kHz - 30 MHz)	± 4.95 dB
Uncertainty for Radiation Emission Test (30 MHz - 1 GHz)	± 4.68 dB
Uncertainty for Radiation Emission Test (1 GHz - 40 GHz)	± 5.12 dB
Uncertainty for Power Line Conduction Emission Test (9kHz – 150kHz)	± 3.04 dB
Uncertainty for Power Line Conduction Emission Test (150kHz – 30MHz)	± 2.52 dB
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

2.6 Location of Original Data

The original copies of all test data taken during actual testing were attached at Appendix A 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 Dongguan NTC Co., Ltd. Test facility located at Building D, Gaosheng Science and Technology Park, Hongtu Road, Nancheng District, Dongguan City, Guangdong Province, 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 EUT is a AC Wallbox Charging Station which is used in conjunction with electric vehicle on-board charger, It can support floor and wall mounted installation. It is widely used in the ground and parking lot of residential areas, shopping malls and office places. It can also be installed in various large, medium and small electric vehicle charging stations to provide convenient and safe charging services for electric vehicle owners. It supports Bluetooth(BLE mode), Wi-Fi 802.11 b/g/n and RFID(13.56MHz) wireless technology.

Model difference description:

Model Name	Power	Cable Length	Screen
WPTAC-7KW-S18-TD	7 KW	18 Feet	Touch Screen
WPTAC-7KW-S24-TD	7 KW	24 Feet	Touch Screen
WPTAC-9KW-S18-TD	9 KW	18 Feet	Touch Screen
WPTAC-9KW-S24-TD	9 KW	24 Feet	Touch Screen
WPTAC-11KW-S18-TD	11 KW	18 Feet	Touch Screen
WPTAC-11KW-S24-TD	11 KW	24 Feet	Touch Screen

Note: They have the same wireless module, only the power and line length are different, so we choose WPTAC-11KW-S24-TD for test.

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:	AC Wallbox Charging Station
Type Designation:	WPTAC-7KW-S18-TD, WPTAC-7KW-S24-TD, WPTAC-9KW-S18-TD, WPTAC-9KW-S24-TD, WPTAC-11KW-S18-TD, WPTAC-11KW-S24-TD
Trademark:	N/A
FCC ID:	2A4EM-PTYGEVCHARGER
IC:	28264-PTYG
IC company name and address:	SHENZHEN PUTIAN YONGGAO NEW ENERGY TECHNOLOGY CO.,LTD 5FL., BUILDING 2, JINCHI EXHIBITION INNOVATION PARK, NO.59, HAOYE RD., BAOAN DISTRICT, SHEN ZHEN 518100, CHINA
HVIN:	WPTAC-7KW-S18-TD, WPTAC-7KW-S24-TD, WPTAC-9KW-S18-TD, WPTAC-9KW-S24-TD, WPTAC-11KW-S18-TD, WPTAC-11KW-S24-TD
Operating Voltage:	AC 208~240V, 50/60Hz
Testing Voltage:	AC 240V, 60Hz

Technical Specification of RFID	
Operating Frequency:	13.56MHz
Type of Modulation:	ASK
Channel Number:	1 channels
Antenna Type:	Integral Antenna
Antenna Gain:	6.0 dBi
Technical Specification of Bluetooth (Low Energy mode)	
Operating Frequency:	2402 MHz to 2480 MHz
Type of Modulation:	GFSK
Channel Number:	40 channels
Channel Separation:	1MHz, 2MHz
Antenna Type:	Integral Antenna
Antenna Gain:	2.0 dBi
Technical Specification of Wi-Fi 802.11 b/g/n	
Operating Frequency:	2412 - 2462 MHz for 802.11b/g/n(HT20) 2422 - 2452 MHz for 802.11n(HT40)
Type of Modulation:	DSSS(DBPSK/DQPSK/CCK) OFDM(BPSK/QPSK/16QAM/64QAM)
Data Rate:	1/2/5.5/11 Mbps for 802.11b 6/9/12/18/24/36/48/54 Mbps for 802.11g MCS0 ~ MCS7 Mbps for 802.11n(HT20) MCS0 ~ MCS7 Mbps for 802.11n(HT40)
Channel Number:	11 channels for 802.11b/g/n(HT20) 7 channels for 802.11n(HT40)
Channel Separation:	5 MHz
Antenna Type:	Integral Antenna
Antenna Gain:	2.0 dBi

Table 3: RF Channel and Frequency of BLE

RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)	RF Channel	Frequency (MHz)
0	**2402**	10	2422	20	2442	30	2462
1	2404	11	2424	21	2444	31	2464
2	2406	12	2426	22	2446	32	2466
3	2408	13	2428	23	2448	33	2468
4	2410	14	2430	24	2450	34	2470
5	2412	15	2432	25	2452	35	2472
6	2414	16	2434	26	2454	36	2474
7	2416	17	2436	27	2456	37	2476
8	2418	18	2438	28	2458	38	2478
9	2420	**19**	**2440**	29	2460	**39**	**2480**

Test frequencies are lowest channel: 2402 MHz, middle channel: 2440 MHz and highest channel: 2480 MHz for BLE

3.3 Independent Operation Modes

The basic operation modes are:

A. On, Bluetooth transmitting mode (BLE mode)
    1) Low Channel
    2) Middle Channel
    3) High Channel
B. On, Bluetooth connecting mode
C. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.5 Submitted Documents

☒ Application Form
☒ Operation Description
☒ Block Diagram
☒ User Manual
☒ Rating Label
☒ Schematics
☒ Photo Document
☒ Model Difference Letter

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 & ANSI C63.4: 2014.

According to clause 3.1, all tests were performed on model WPTAC-11KW-S24-TD in this report.

4.3 Special Accessories and Auxiliary Equipment

Table 4: 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)

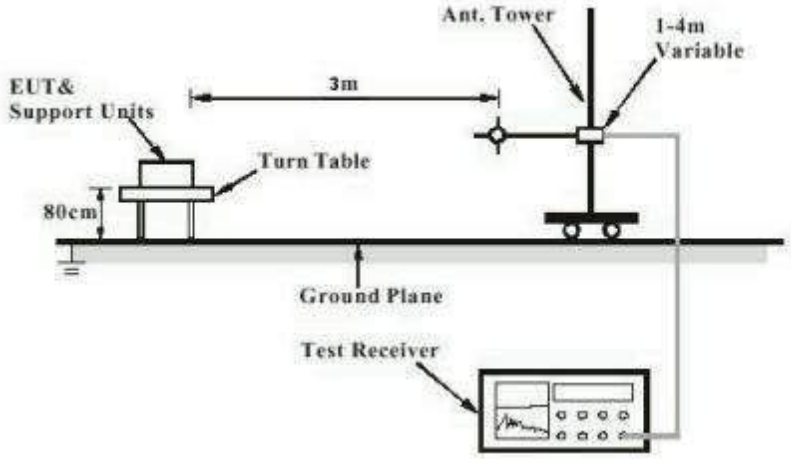


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

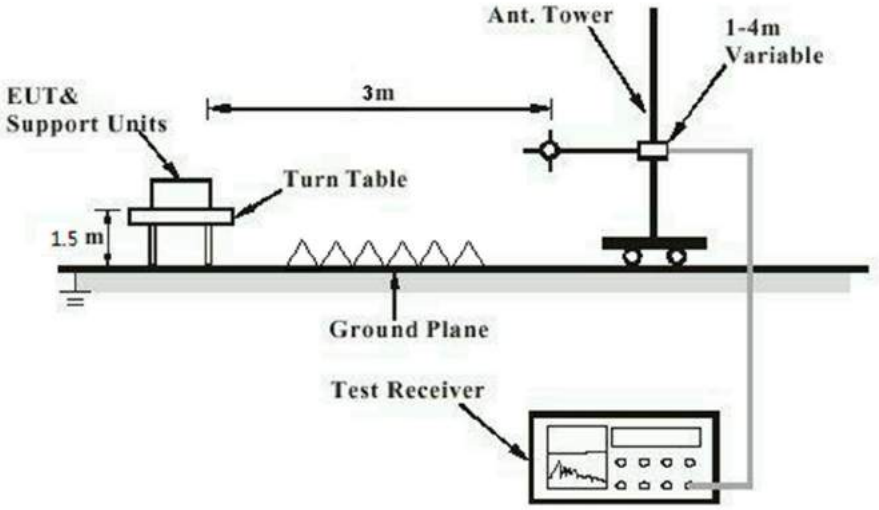


Diagram of Measurement Configuration for Mains Conduction Measurement

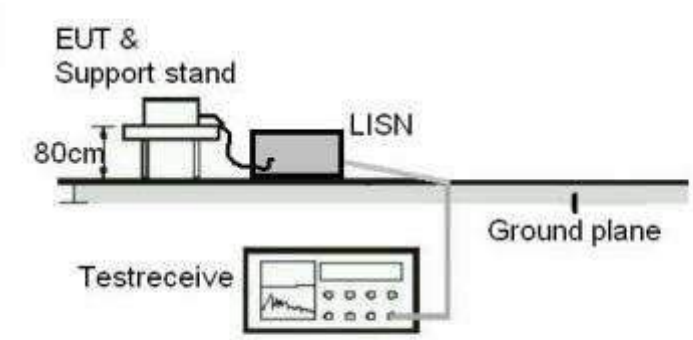
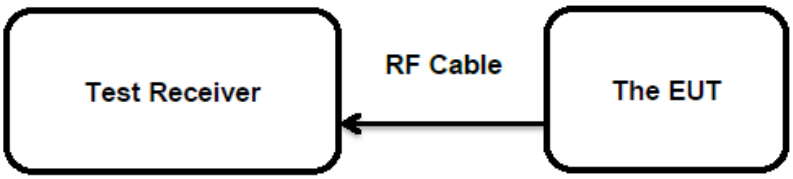


Diagram of Measurement Configuration for Conducted Transmitter Measurement



5 Test Results

5.1 Transmitter Requirement & Test Suites

5.1.1 Antenna Requirement

RESULT: **Pass**

Test Specification

Test standard : FCC Part 15.247(b)(4) and Part 15.203
RSS-Gen Clause 6.8

According to the manufacturer declared, the EUT has a Integral antenna, the directional gain of antenna is 2.0 dBi, and the antenna connector is designed with permanent attachment and no consideration of replacement.

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

Refer to EUT Photo for further details.

5.1.2 Maximum Conducted Output Power

RESULT: **Pass**

Test Specification

Test standard	:	FCC Part 15.247(b)(3) RSS-247 Clause 5.4(d)
Basic standard	:	ANSI C63.10: 2013
Limits	:	1.0 Watts(30dBm) e.i.r.p < 4.0 Watts(36dBm)
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	2021-12-01
Input voltage	:	AC 240V/60Hz
Operation mode	:	A
Test channel	:	Low / Middle / High
Ambient temperature	:	24.8 ℃
Relative humidity	:	55 %
Atmospheric pressure	:	101 kPa

For the measurement records, refer to the appendix A.

5.1.3 Conducted Power Spectral Density

RESULT: **Pass**

Test Specification

Test standard	:	FCC Part 15.247(e) RSS-247 Clause 5.2(b)
Basic standard	:	ANSI C63.10: 2013
Limits	:	< 8 dBm / 3kHz
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	2021-12-01
Input voltage	:	AC 240V/60Hz
Operation mode	:	A
Test channel	:	Low / Middle / High
Ambient temperature	:	24.8 ℃
Relative humidity	:	55 %
Atmospheric pressure	:	101 kPa

For the measurement records, refer to the appendix A.

5.1.4 6dB Bandwidth

RESULT: **Pass**

Test Specification

Test standard	:	FCC Part 15.247(a)(2) RSS-247 Clause 5.2(a)
Basic standard	:	ANSI C63.10: 2013
Limits	:	> 500 kHz
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	2021-12-01
Input voltage	:	AC 240V/60Hz
Operation mode	:	A
Test channel	:	Low / Middle / High
Ambient temperature	:	24.8 ℃
Relative humidity	:	55 %
Atmospheric pressure	:	101 kPa

For the measurement records, refer to the appendix A.

5.1.5 99% Bandwidth

RESULT: **Pass**

Test Specification

Test standard	:	FCC Part 15.247(a) RSS-Gen Clause 6.7
Basic standard	:	ANSI C63.10: 2013
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	2021-12-01
Input voltage	:	AC 240V/60Hz
Operation mode	:	A
Test channel	:	Low / Middle / High
Ambient temperature	:	24.8 ℃
Relative humidity	:	55 %
Atmospheric pressure	:	101 kPa

For the measurement records, refer to the appendix A.

5.1.6 Conducted Spurious Emissions Measured in 100 kHz Bandwidth

RESULT: **Pass**

Test Specification

Test standard	:	FCC Part 15.247(d) RSS-247 Clause 5.5
Basic standard	:	ANSI C63.10: 2013
Limits	:	20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power); In addition, radiated emissions which fall in the restricted bands, must also comply with the radiated emission limits specified in 15.209(a)
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	2021-12-01
Input voltage	:	AC 240V/60Hz
Operation mode	:	A
Test channel	:	Low / Middle / High
Ambient temperature	:	24.8 ℃
Relative humidity	:	55 %
Atmospheric pressure	:	101 kPa

Test results of 100kHz Bandwidth of Frequency Band Edge by Conducted method refer to test plots, and compliance is achieved as well.

For the measurement records, refer to the appendix A.

5.1.7 Radiated Spurious Emission

RESULT: **Pass**

Test Specification

Test standard	:	FCC Part 15.247(d) & FCC Part 15.205 RSS-247 Clause 3.3
Basic standard	:	ANSI C63.10: 2013
Limits	:	Refer to 15.209(a) of FCC part 15.247(d) RSS-Gen Section 8.9 & 8.10
Kind of test site	:	3m Semi-anechoic Chamber

Test Setup

Date of testing	:	2022-01-11
Input voltage	:	AC 240V/60Hz
Operation mode	:	A
Test channel	:	Low / Middle / High
Ambient temperature	:	Refer to test result
Relative humidity	:	Refer to test result
Atmospheric pressure	:	Refer to test result

Remark:
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 A.

5.1.8 Conducted Emission

RESULT: **Pass**

Test Specification

Test standard	:	FCC Part 15.207(a) RSS-Gen Section 8.8
Basic standard	:	ANSI C63.10: 2013
Frequency range	:	0.15 – 30MHz
Limits	:	FCC Part 15.207(a) RSS-Gen Table 4
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	2021-12-18
Input voltage	:	AC 240V/60Hz
Operation mode	:	B
Earthing	:	Not connected
Ambient temperature	:	Refer to test result
Relative humidity	:	Refer to test result
Atmospheric pressure	:	Refer to test result

For the measurement records, refer to the appendix A.

6 Photographs of the Test Set-Up

For photographs of the test set-up, refer to the test photo document.

7 List of Tables

Appendix A: Test Results of Bluetooth Low Energy and Conducted Emission on AC Mains

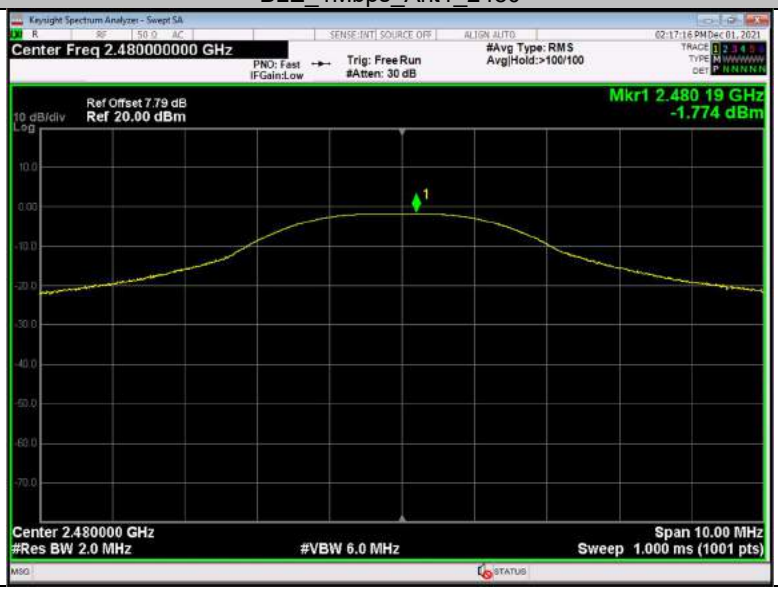
Appendix A.1: Test Results of Maximum Peak Conducted Output Power and EIRP

TestMode	Antenna	Channel	Conducted Peak Powert[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE 1Mbps	Ant1	2402	-0.673	≤30	1.327	≤36	PASS
		2440	-2.874	≤30	-0.874	≤36	PASS
		2480	-1.774	≤30	0.226	≤36	PASS
BLE 2Mbps	Ant1	2402	-0.658	≤30	1.342	≤36	PASS
		2440	-2.833	≤30	-0.833	≤36	PASS
		2480	-1.752	≤30	0.248	≤36	PASS

BLE_1Mbps_Ant1_2402

BLE_1Mbps_Ant1_2440

BLE_1Mbps_Ant1_2480



BLE_2Mbps_Ant1_2402

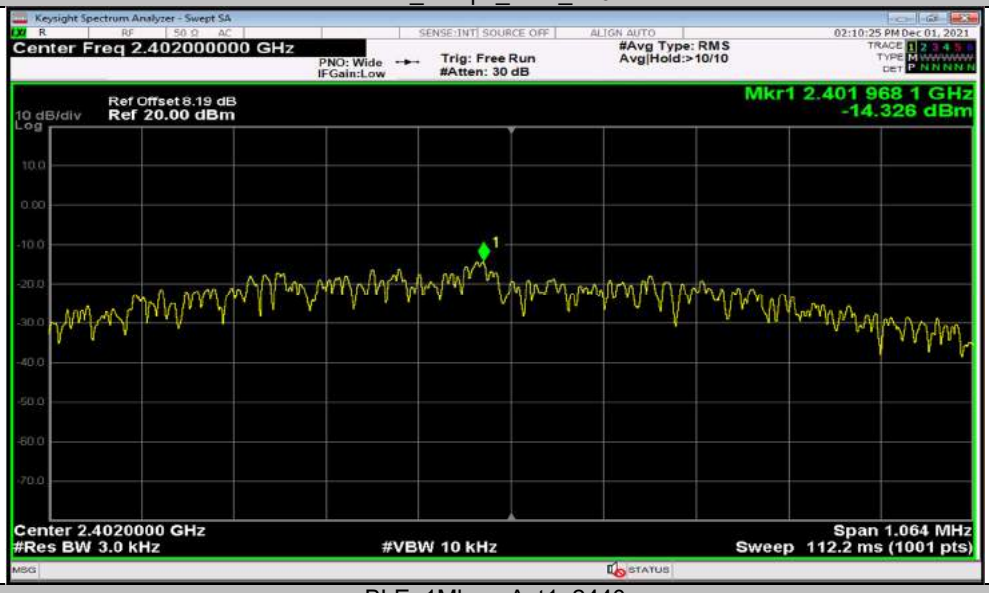
BLE_2Mbps_Ant1_2440

BLE_2Mbps_Ant1_2480

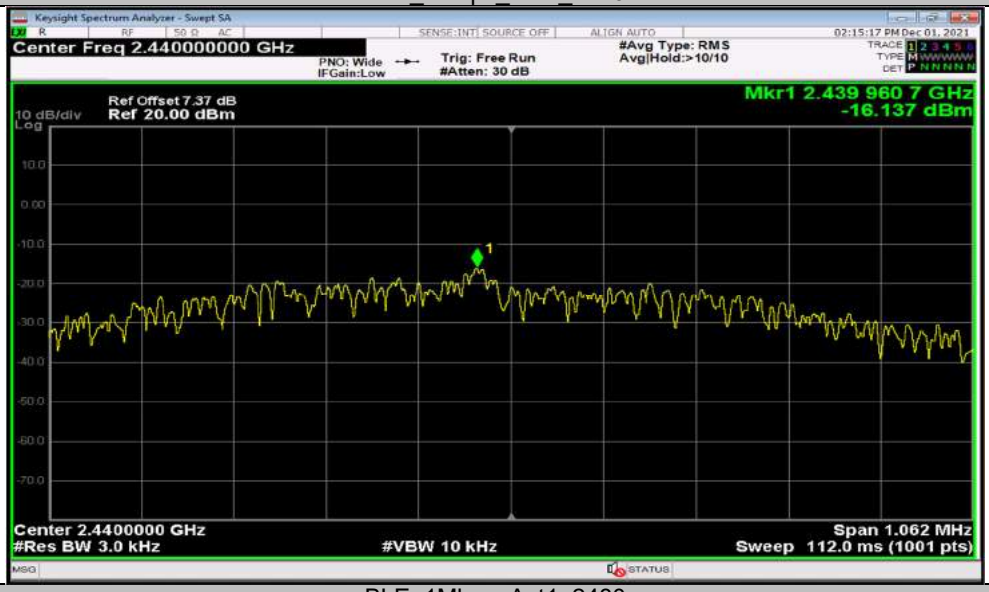
Appendix A.2: Test Results of Conducted Power Spectral Density

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE 1Mbps	Ant1	2402	-14.326	≤8	PASS
		2440	-16.137	≤8	PASS
		2480	-12.136	≤8	PASS
BLE 2Mbps	Ant1	2402	-14.224	≤8	PASS
		2440	-16.352	≤8	PASS
		2480	-16.125	≤8	PASS

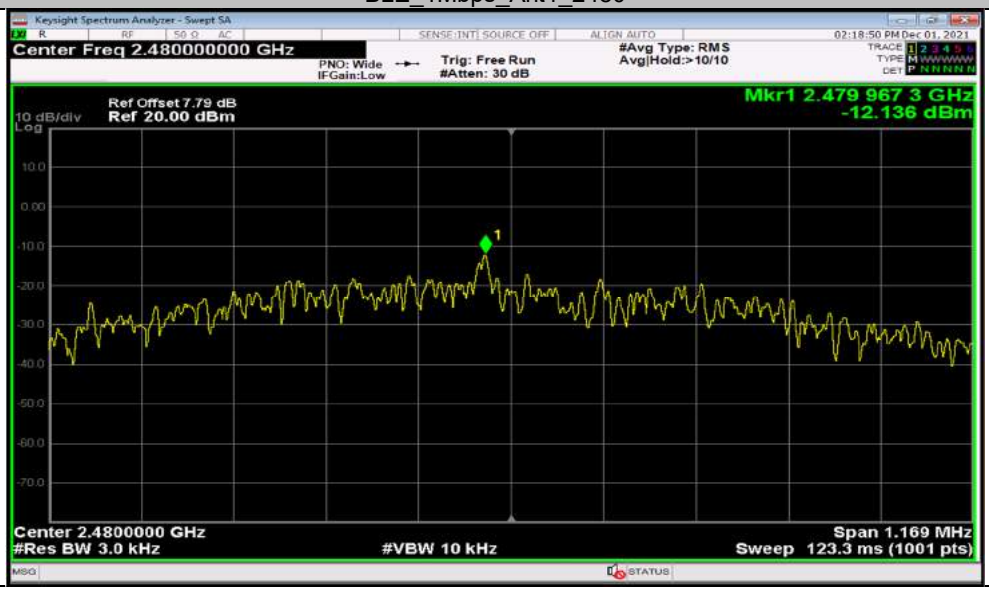
BLE_1Mbps_Ant1_2402



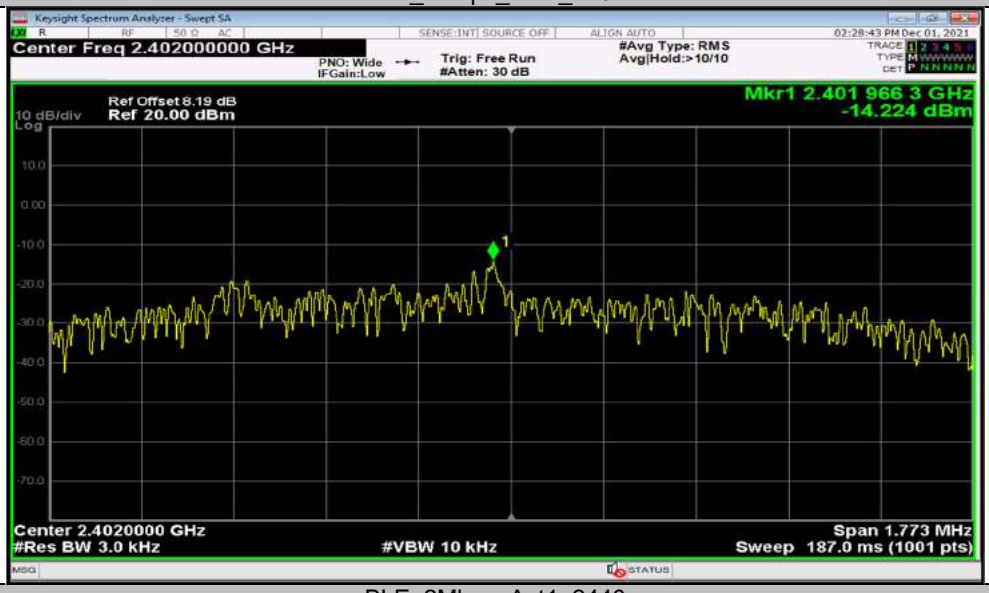
BLE_1Mbps_Ant1_2440



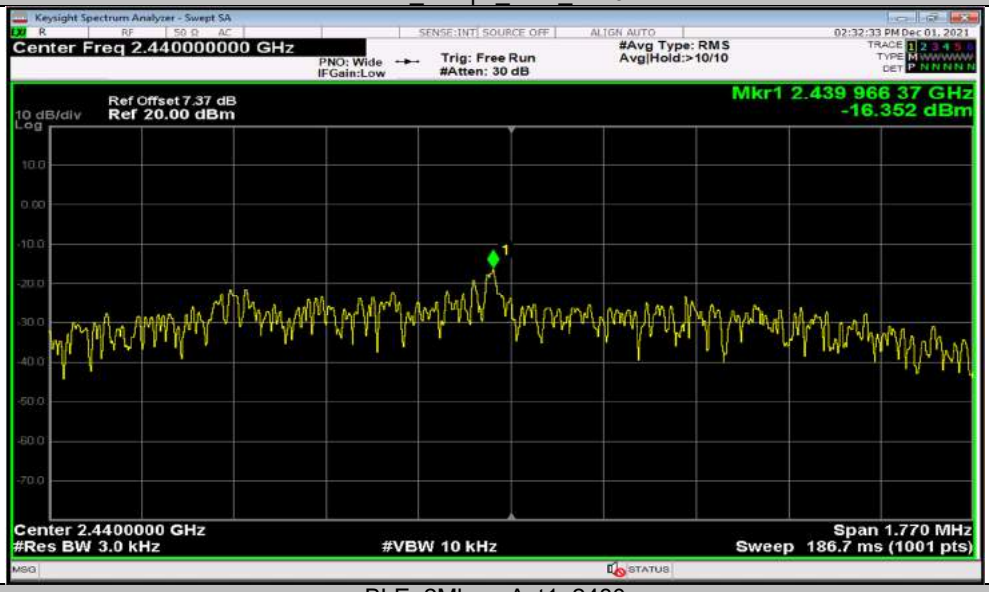
BLE_1Mbps_Ant1_2480



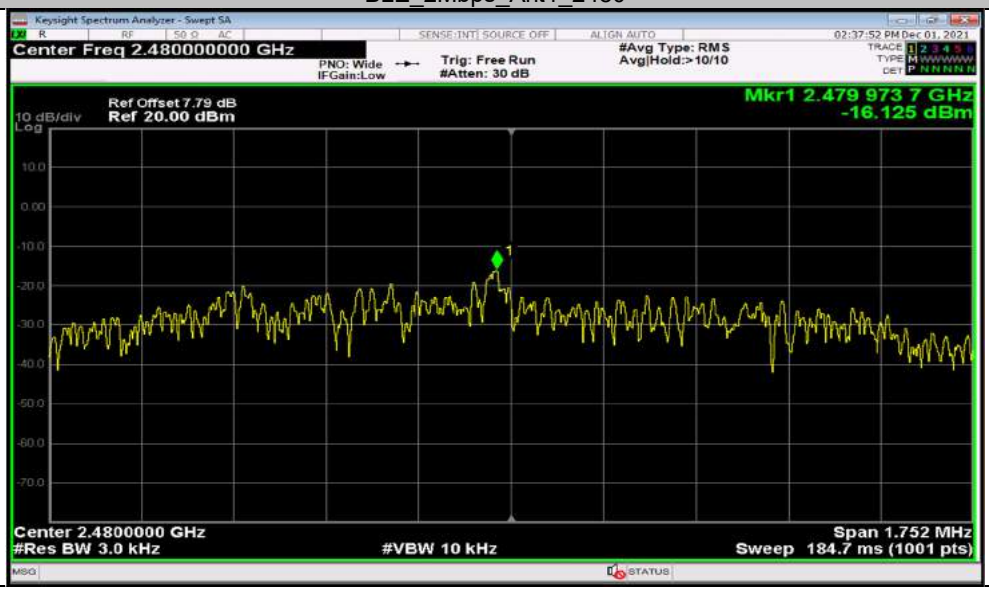
BLE_2Mbps_Ant1_2402



BLE_2Mbps_Ant1_2440



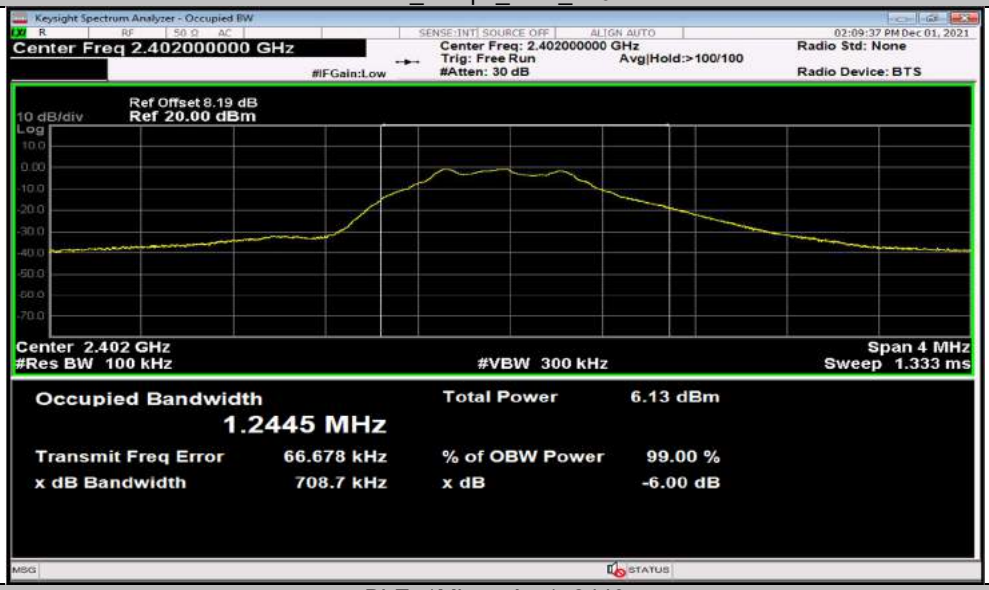
BLE_2Mbps_Ant1_2480



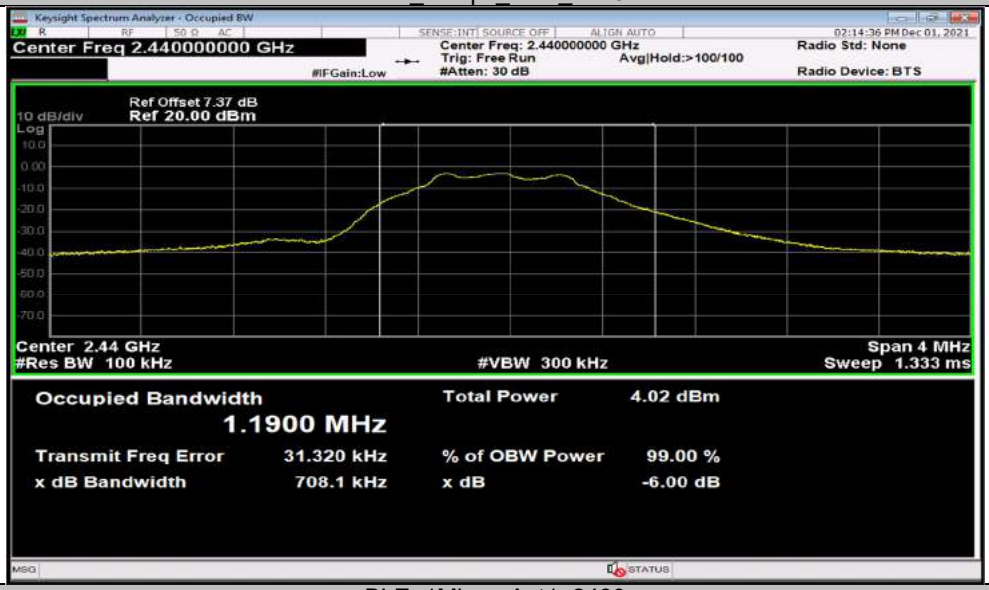
Appendix A.3: Test Results of 6dB Bandwidth

TestMode	Antenna	Channel	DTS BW [MHz]	Limit[MHz]	Verdict
BLE 1Mbps	Ant1	2402	0.709	0.5	PASS
		2440	0.708	0.5	PASS
		2480	0.779	0.5	PASS
BLE 2Mbps	Ant1	2402	1.182	0.5	PASS
		2440	1.180	0.5	PASS
		2480	1.168	0.5	PASS

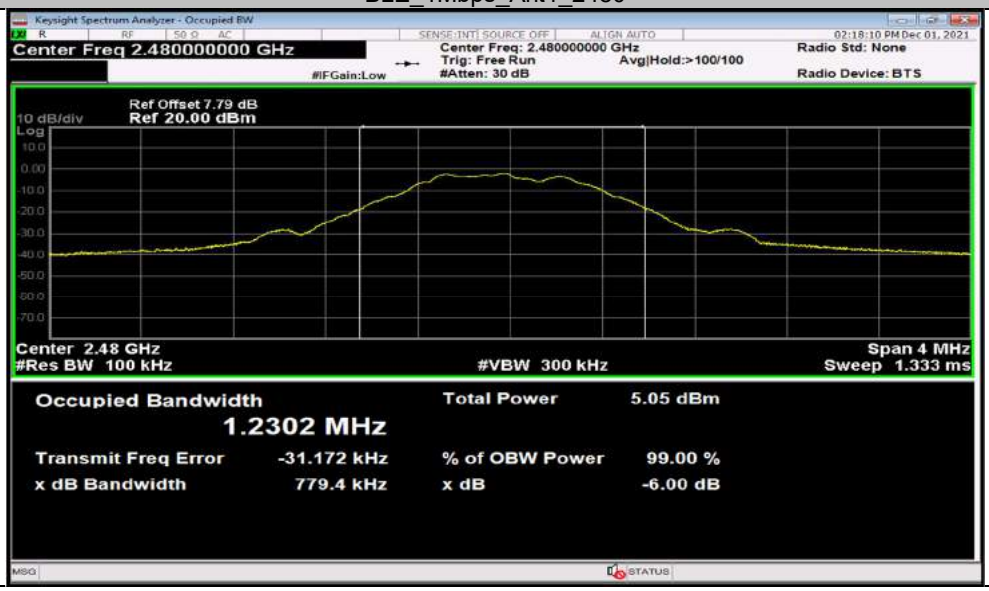
BLE_1Mbps_Ant1_2402



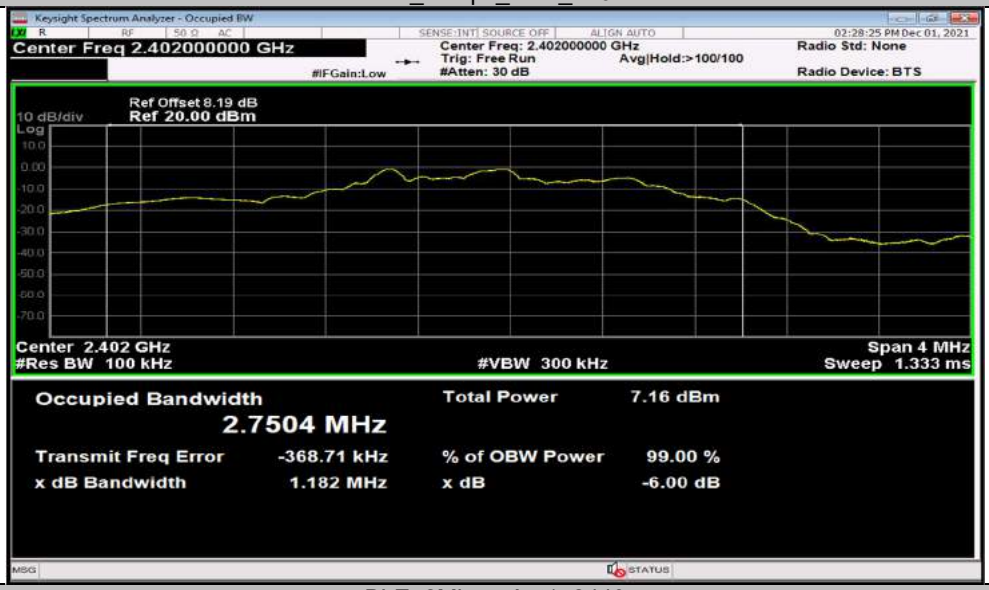
BLE_1Mbps_Ant1_2440



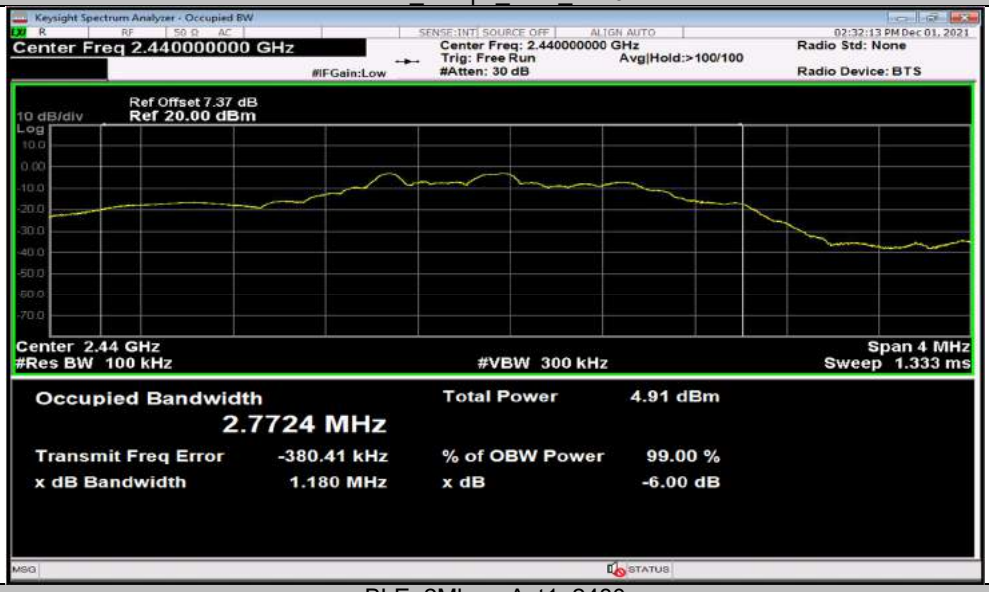
BLE_1Mbps_Ant1_2480



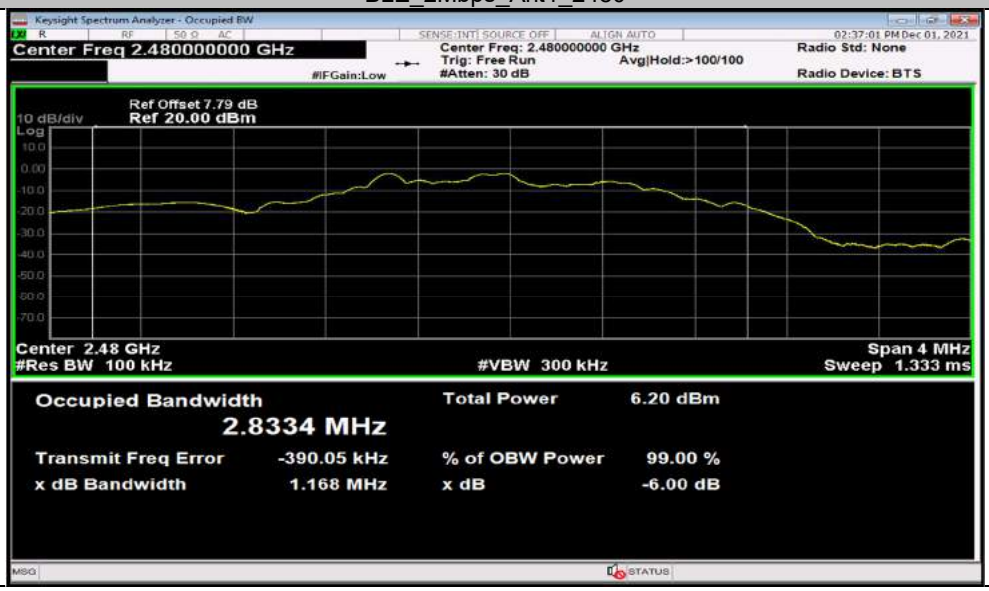
BLE_2Mbps_Ant1_2402



BLE_2Mbps_Ant1_2440



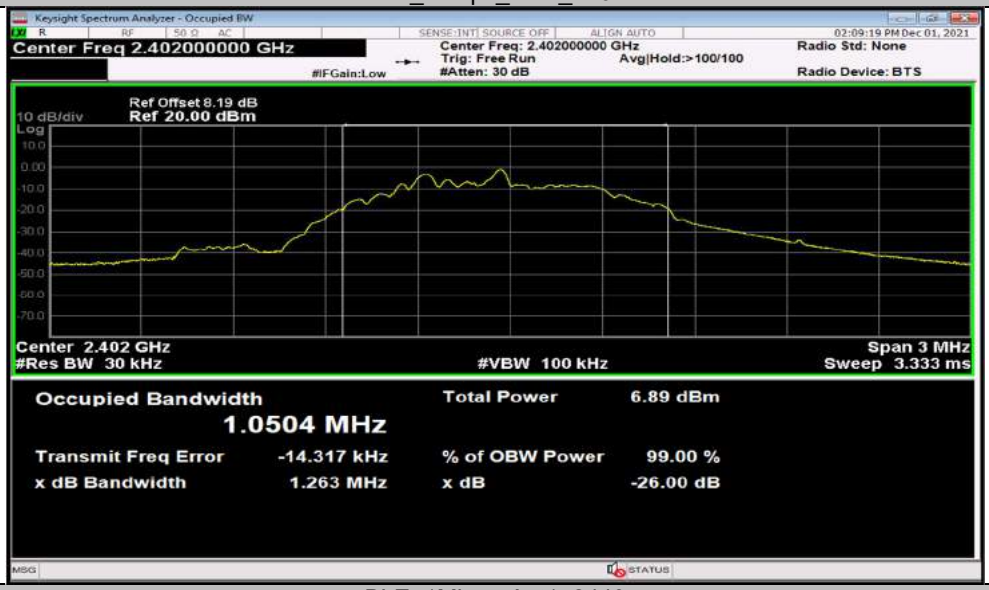
BLE_2Mbps_Ant1_2480



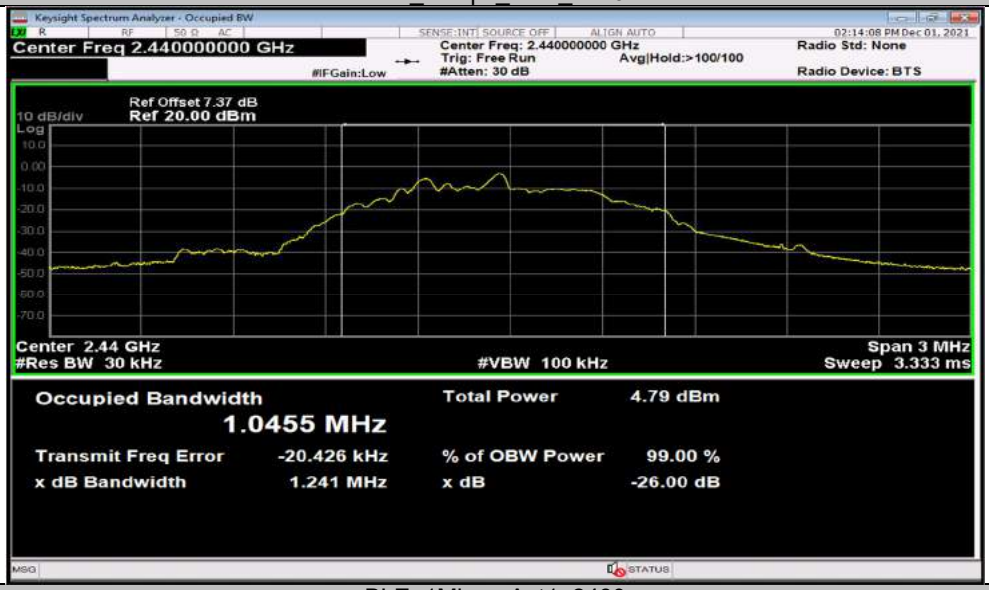
Appendix A.4: Test Results of 99% Bandwidth

TestMode	Antenna	Channel	OCB [MHz]	Limit[MHz]	Verdict
BLE 1Mbps	Ant1	2402	1.05042	---	PASS
		2440	1.04553	---	PASS
		2480	1.18442	---	PASS
BLE 2Mbps	Ant1	2402	2.30352	---	PASS
		2440	2.30024	---	PASS
		2480	2.29226	---	PASS

BLE_1Mbps_Ant1_2402

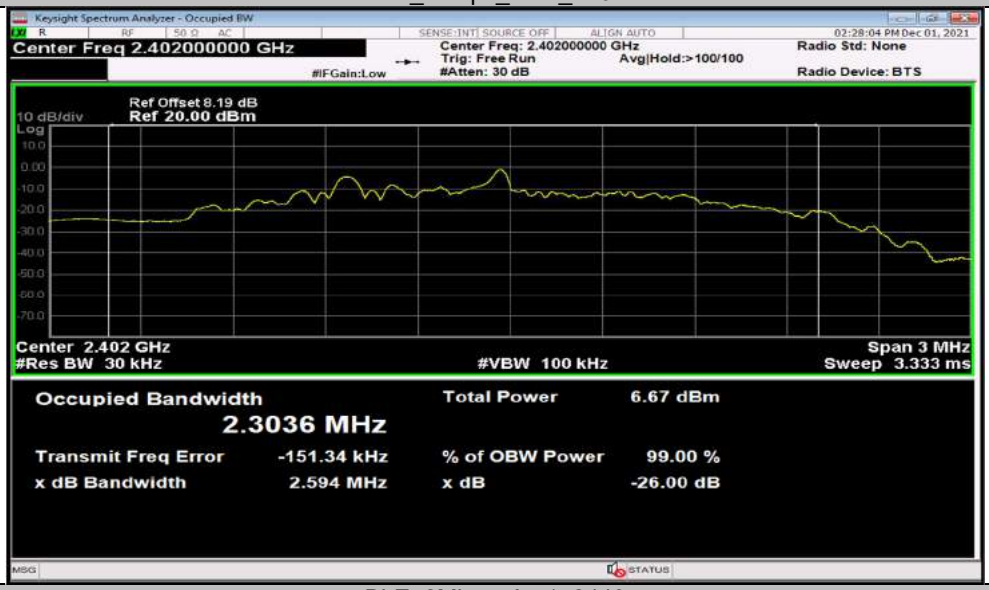


BLE_1Mbps_Ant1_2440

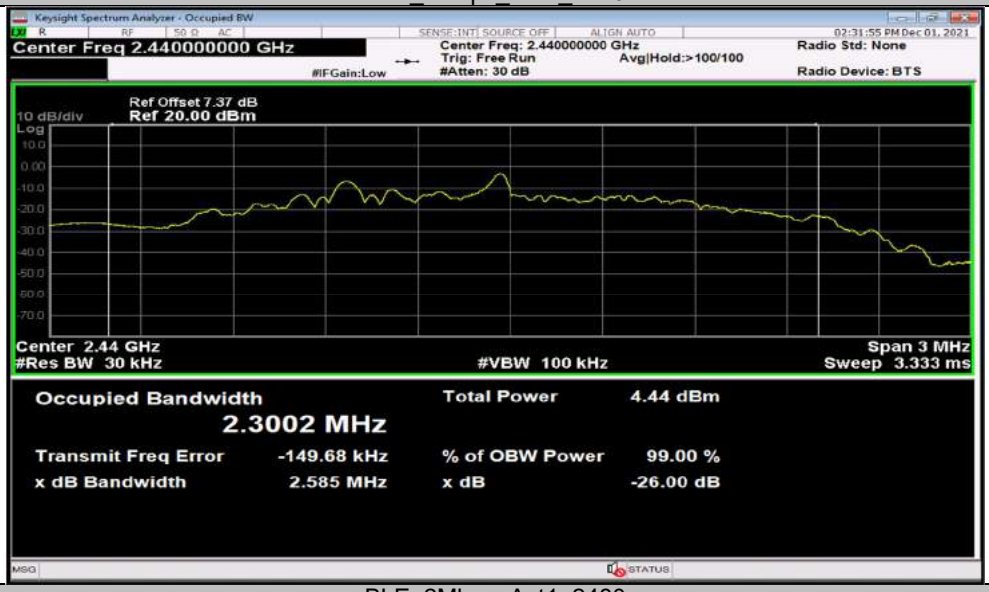


BLE_1Mbps_Ant1_2480

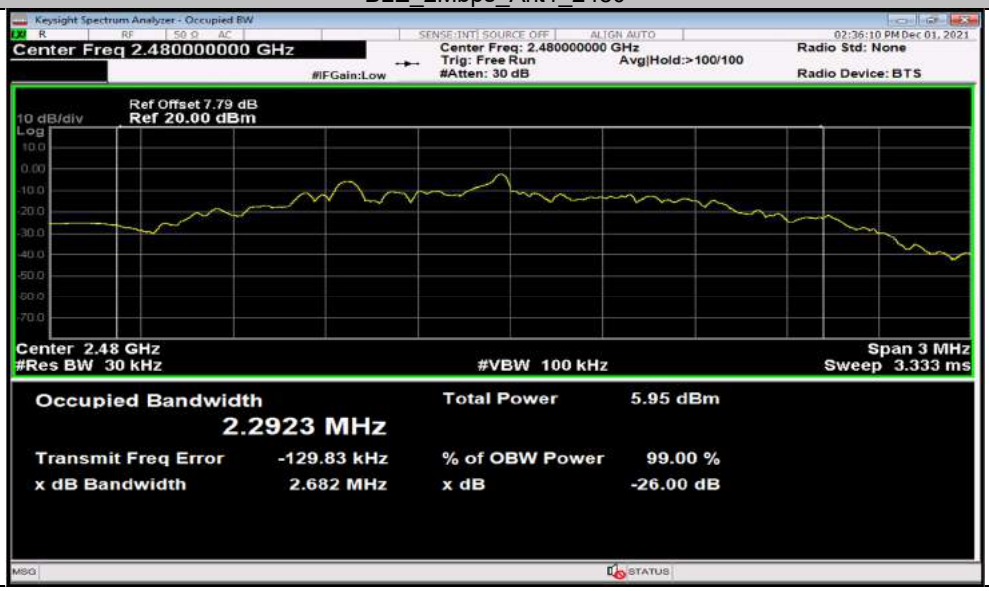
BLE_2Mbps_Ant1_2402



BLE_2Mbps_Ant1_2440



BLE_2Mbps_Ant1_2480

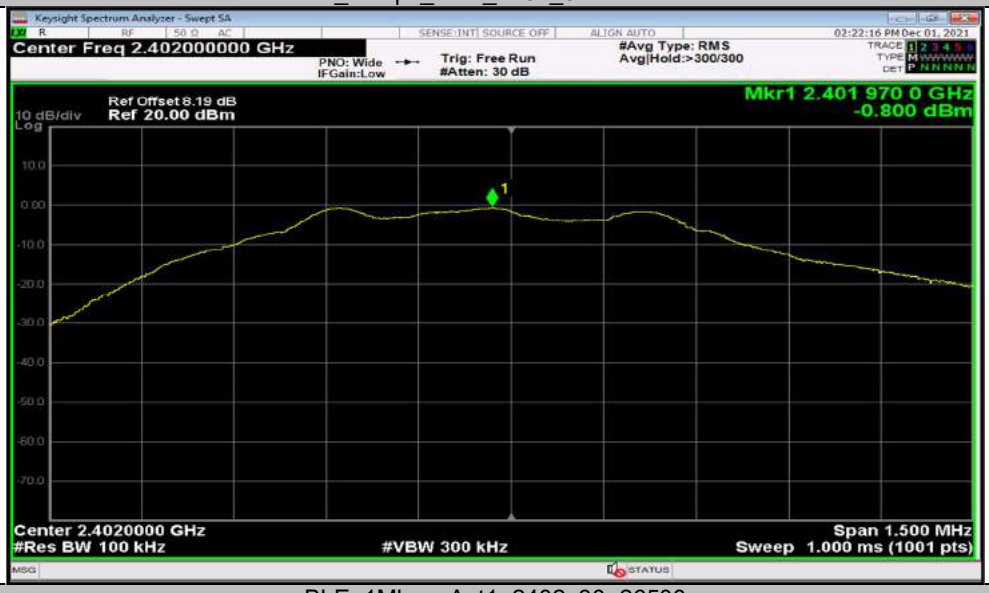


Appendix A.5: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

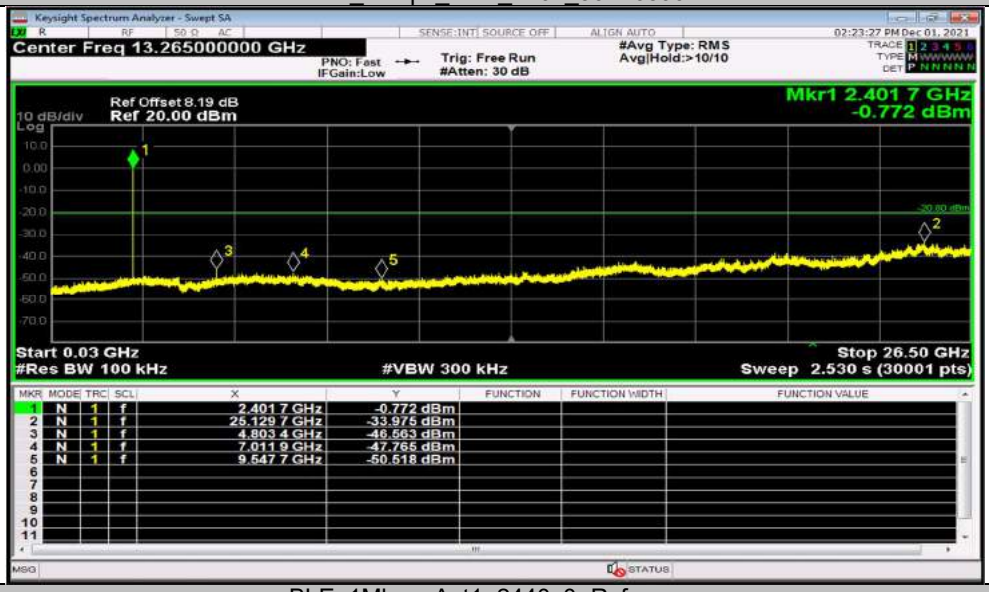
Conducted Spurious Emission

TestMode	Antenna	Channel	Max Value [dBc]	Limit[dBc]	Verdict
BLE 1Mbps	Ant1	2402	-33.17	-20	PASS
		2440	-32.24	-20	PASS
		2480	-32.84	-20	PASS
BLE 2Mbps	Ant1	2402	-32.55	-20	PASS
		2440	-32.13	-20	PASS
		2480	-32.64	-20	PASS

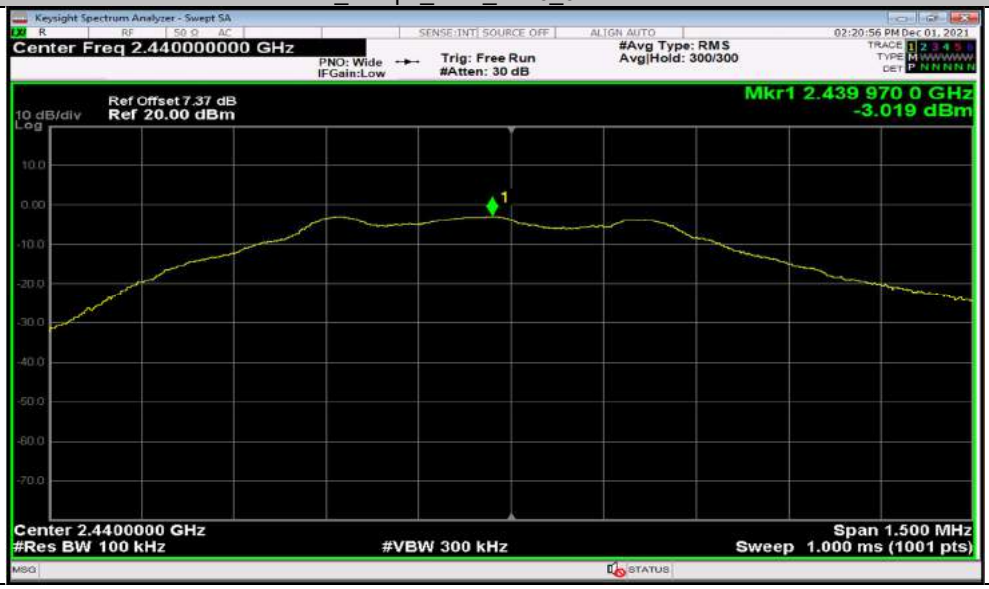
BLE_1Mbps_Ant1_2402_0~Reference



BLE_1Mbps_Ant1_2402_30~26500

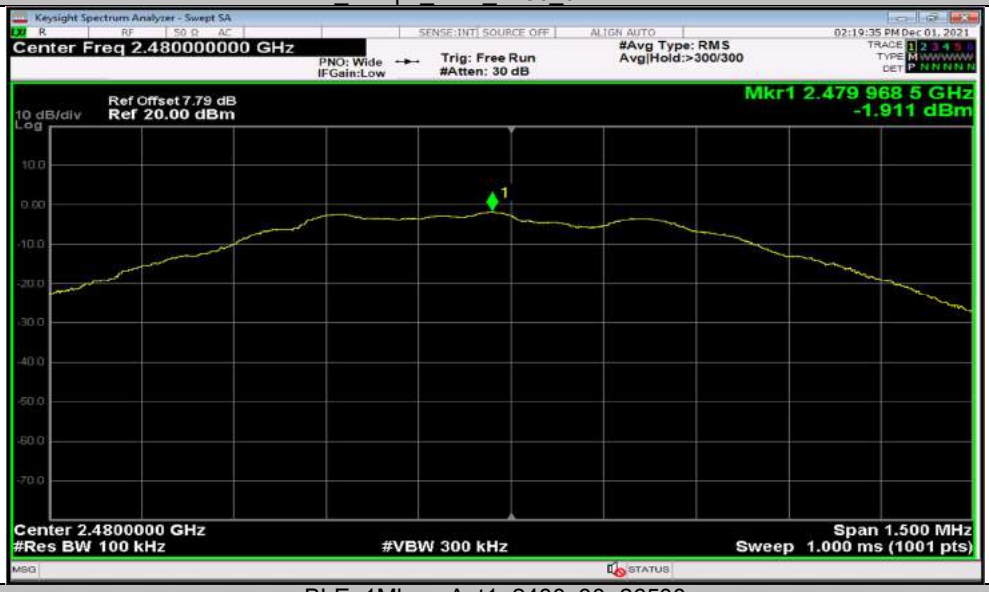


BLE_1Mbps_Ant1_2440_0~Reference

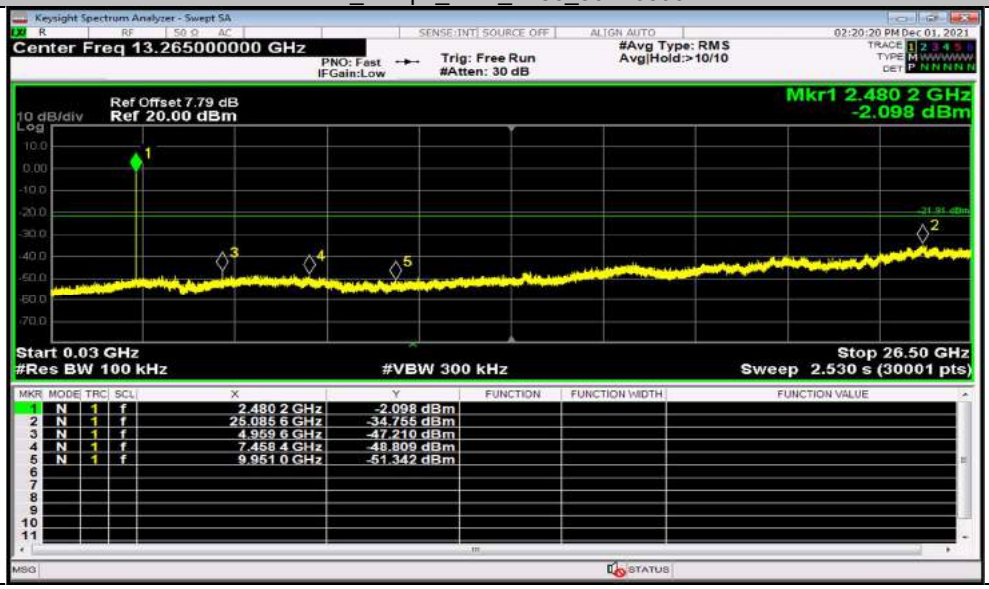


BLE_1Mbps_Ant1_2440_30~26500

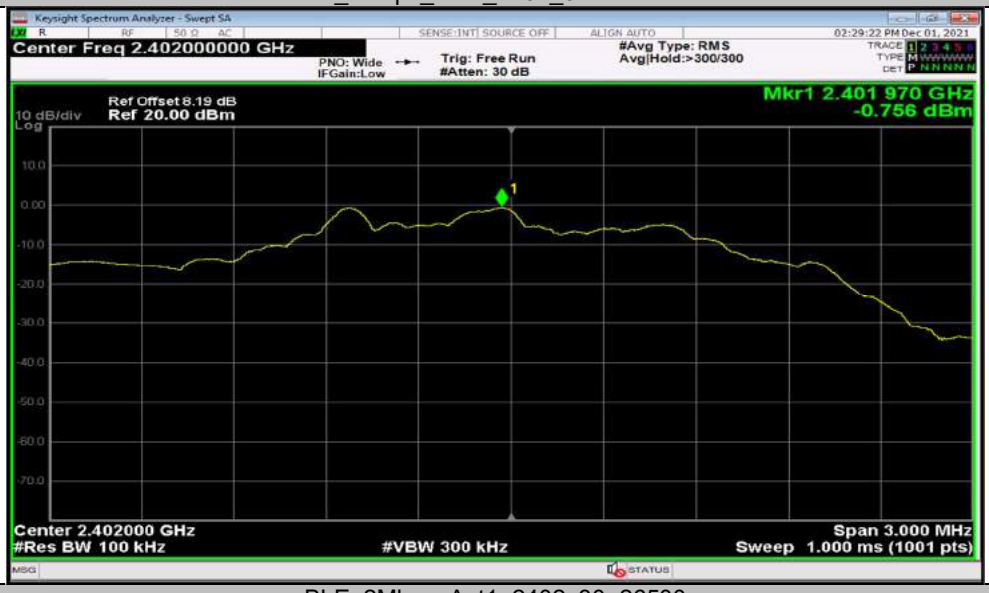
BLE_1Mbps_Ant1_2480_0~Reference



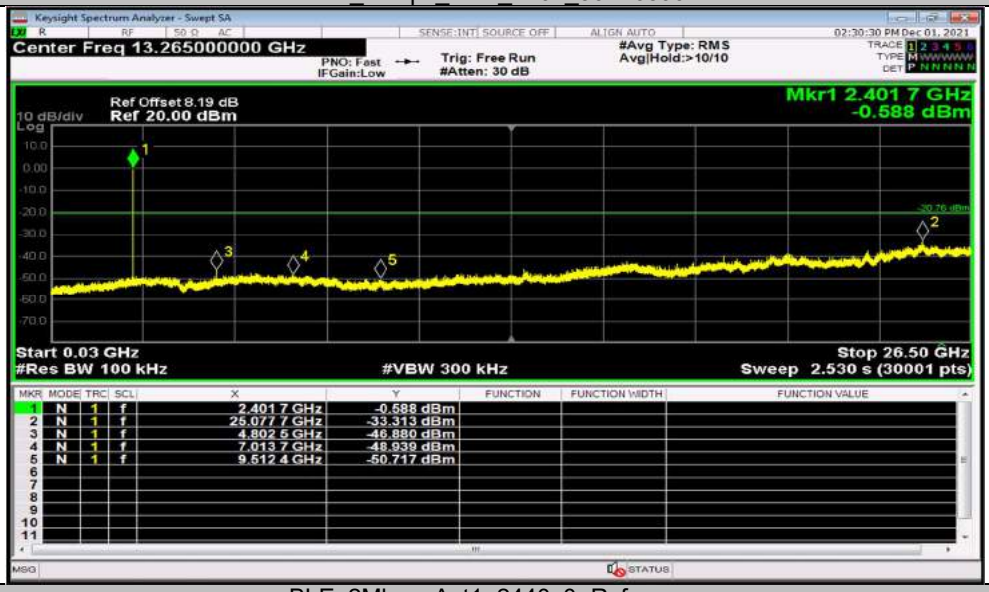
BLE_1Mbps_Ant1_2480_30~26500



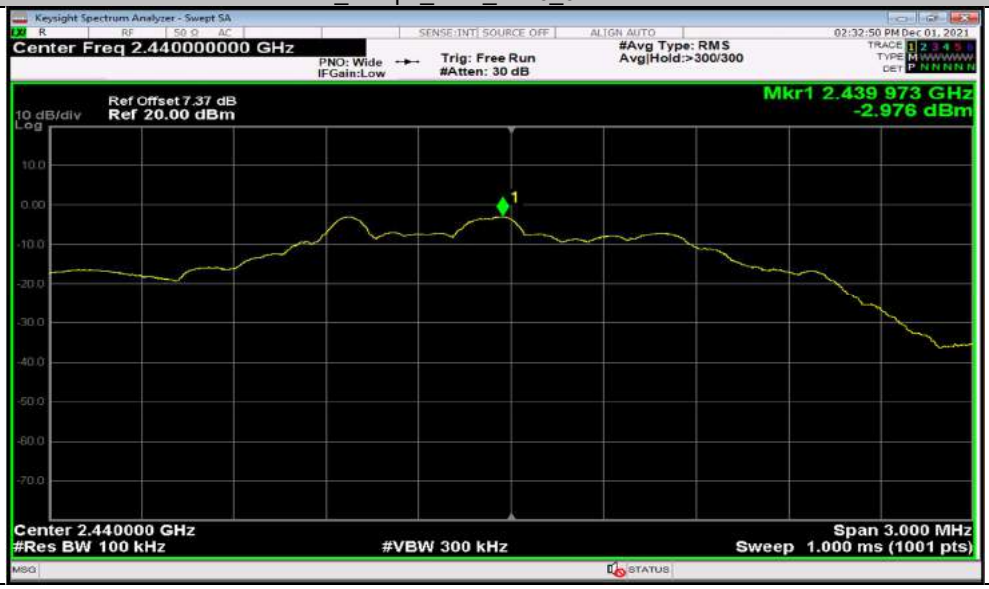
BLE_2Mbps_Ant1_2402_0~Reference



BLE_2Mbps_Ant1_2402_30~26500

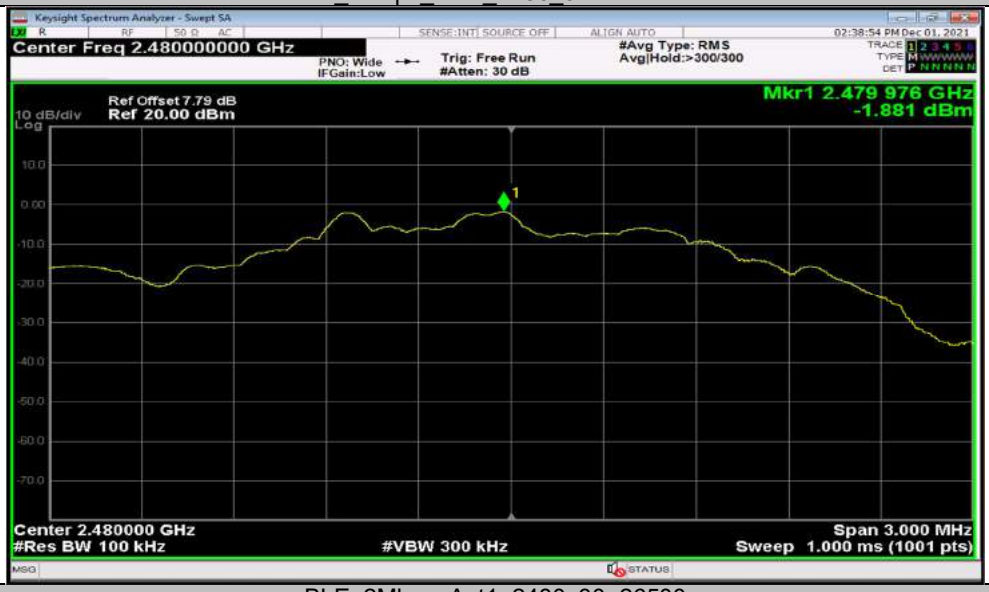


BLE_2Mbps_Ant1_2440_0~Reference

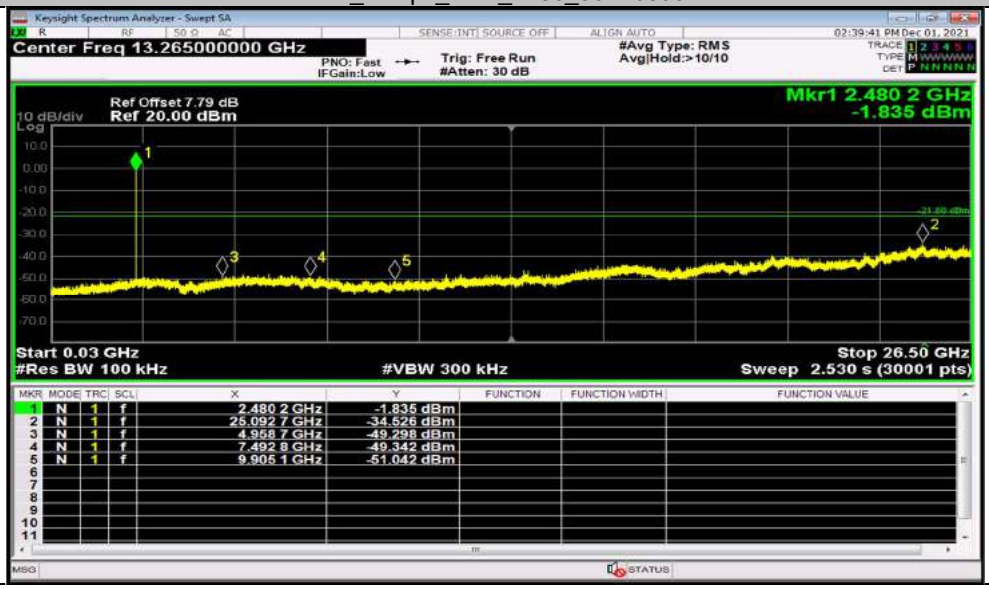


BLE_2Mbps_Ant1_2440_30~26500

BLE_2Mbps_Ant1_2480_0~Reference



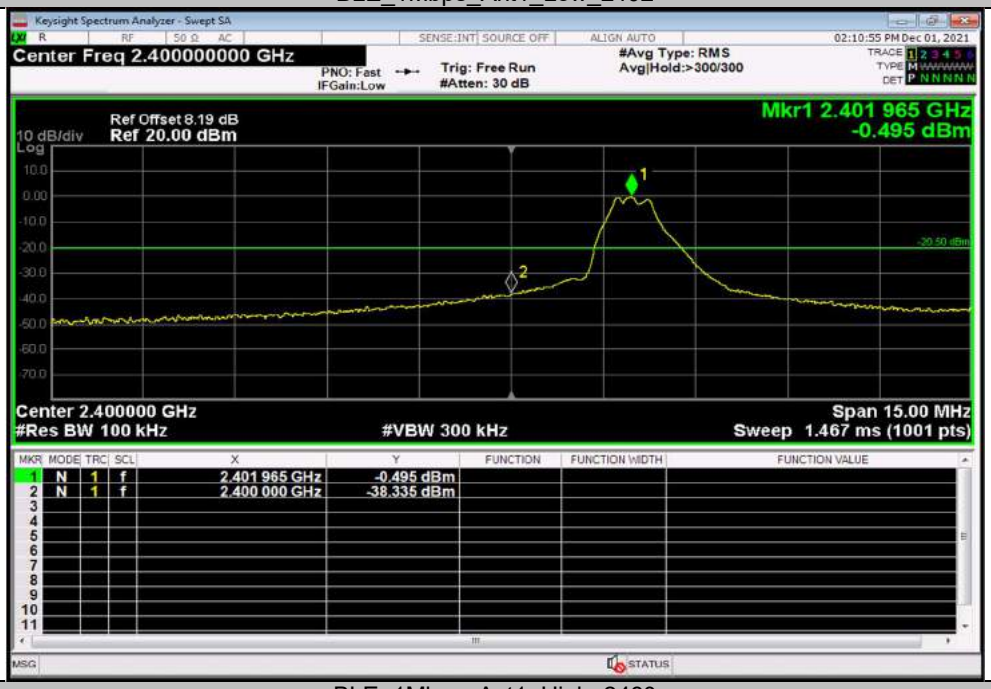
BLE_2Mbps_Ant1_2480_30~26500



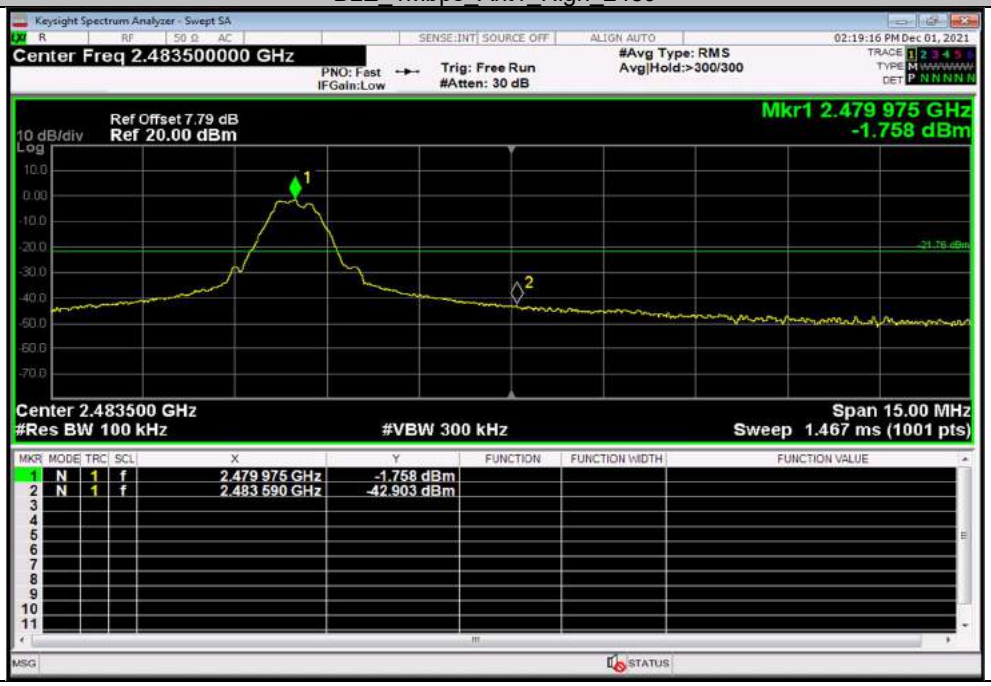
Band Edge

TestMode	Antenna	ChName	Channel	Max Value [dBc]	Limit[dBc]	Verdict
BLE 1Mbps	Ant1	Low	2402	-37.84	-20	PASS
		High	2480	-41.14	-20	PASS
BLE 2Mbps	Ant1	Low	2402	-21.15	-20	PASS
		High	2480	-40.14	-20	PASS

BLE_1Mbps_Ant1_Low_2402

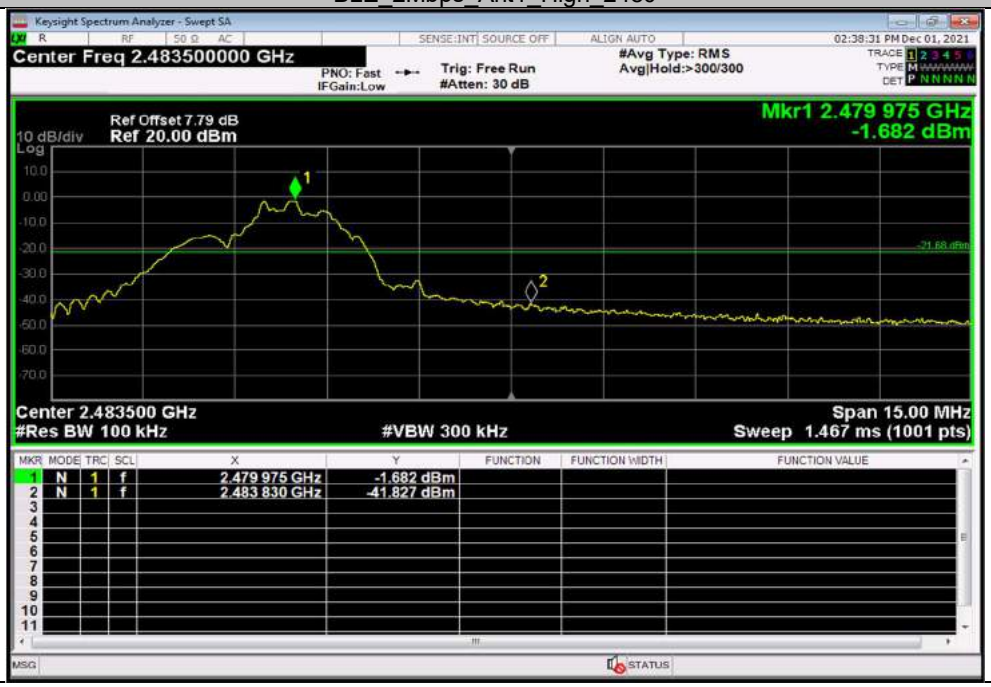


BLE_1Mbps_Ant1_High_2480



BLE_2Mbps_Ant1_Low_2402

BLE_2Mbps_Ant1_High_2480



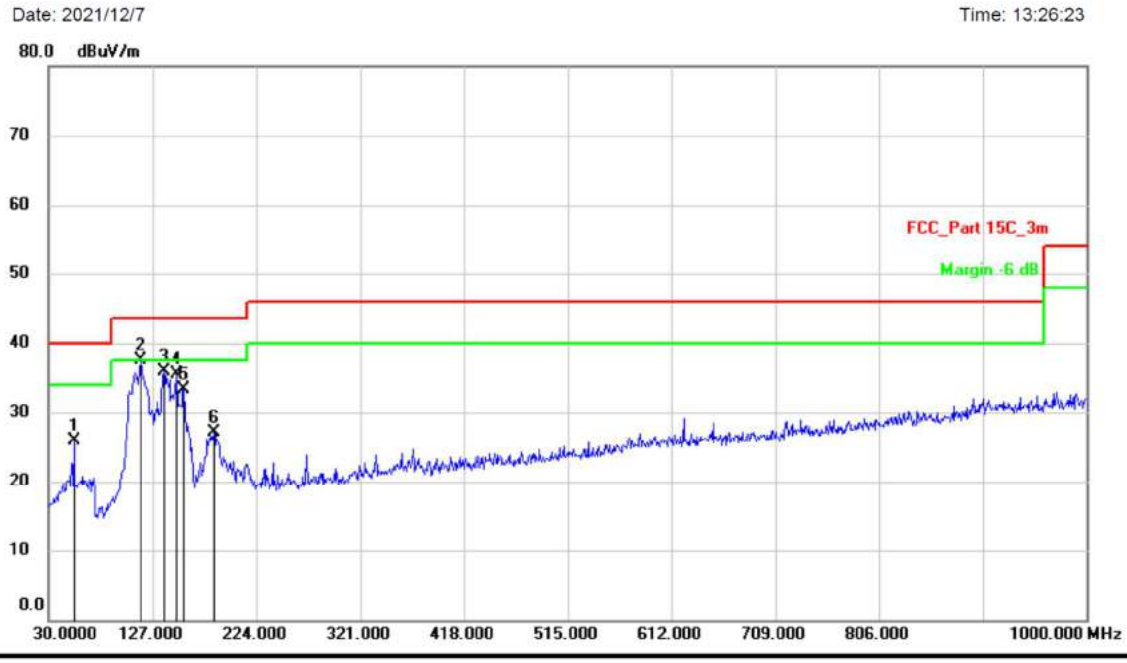
Appendix A.6: Test Results of Radiated Spurious Emissions

Note:
1) This testing was carried out on different modulations, but only the worst case was presented in this report.
2) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

30MHz - 1GHz (Worst case)

Test Site	: 3m Chamber	**Tested By**	: Hancock
EUT	: AC Wallbox Charging Station	**Model Number**	: WPTAC-11KW-S24-TD
Power Supply	: AC 240V/60Hz	**Test Mode**	: TX MODE
Condition	: Temp:26°,Humi:47%,Press:100.1kPa	**Distance**	: 3m
Note	: 2.4G BLE	**Polarization**	: Horizontal

Radiated Emission Measurement

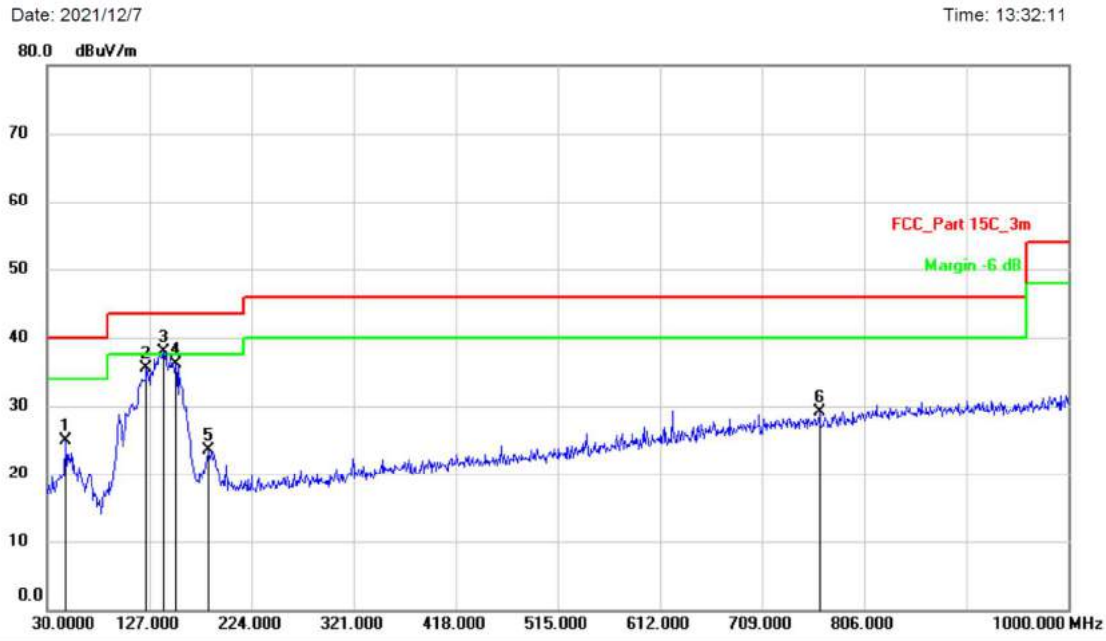


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment
1		53.2800	33.10	-7.28	25.82	40.00	-14.18	QP	
2	*	115.3600	45.97	-8.41	37.56	43.50	-5.94	QP	
3		137.6700	46.69	-10.85	35.84	43.50	-7.66	QP	
4		149.3100	46.48	-10.89	35.59	43.50	-7.91	QP	
5		156.1000	44.00	-10.62	33.38	43.50	-10.12	QP	
6		184.2300	35.85	-8.82	27.03	43.50	-16.47	QP	

Note: 1. Result Level = Read Level + Correct Factor.
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto

Test Site	: 3m Chamber	**Tested By**	: Hancock
EUT	: AC Wallbox Charging Station	**Model Number**	: WPTAC-11KW-S24-TD
Power Supply	: AC 240V/60Hz	**Test Mode**	: TX MODE
Condition	: Temp:26°,Humi:47%,Press:100.1kPa	**Distance**	: 3m
Note	: 2.4G BLE	**Polarization**	: Vertical

Radiated Emission Measurement



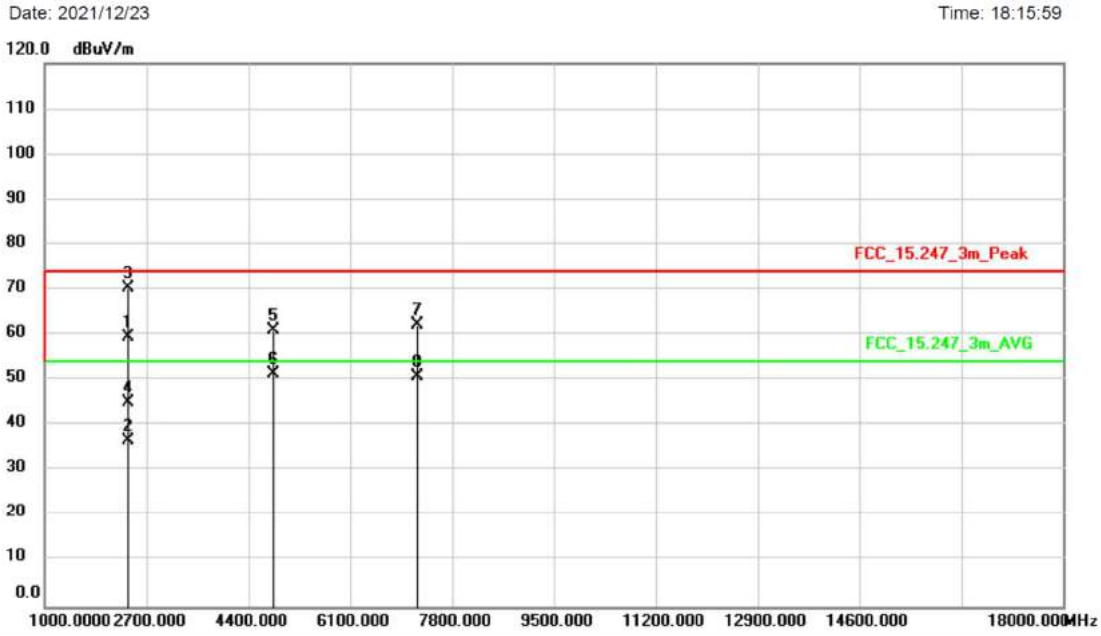
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment
1		47.4600	32.26	-7.30	24.96	40.00	-15.04	QP	
2		124.0900	46.67	-11.20	35.47	43.50	-8.03	QP	
3	*	140.5800	49.49	-11.50	37.99	43.50	-5.51	QP	
4		152.2200	47.85	-11.69	36.16	43.50	-7.34	QP	
5		183.2600	32.74	-9.30	23.44	43.50	-20.06	QP	
6		763.3200	25.81	3.28	29.09	46.00	-16.91	QP	

Note: 1. Result Level = Read Level + Correct Factor.
2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.
3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto

1GHz - 18GHz

Test Site	: 3m Chamber	**Tested By**	: Hancock
EUT	: AC Wallbox Charging Station	**Model Number**	: WPTAC-11KW-S24-TD
Power Supply	: AC 240V/60Hz	**Test Mode**	: TX MODE
Condition	: Temp:26°,Humi:47%,Press:100.1kPa	**Distance**	: 3m
Note	: 2.4G BLE 1Mbps Low channel	**Polarization**	: Horizontal

Radiated Emission Measurement

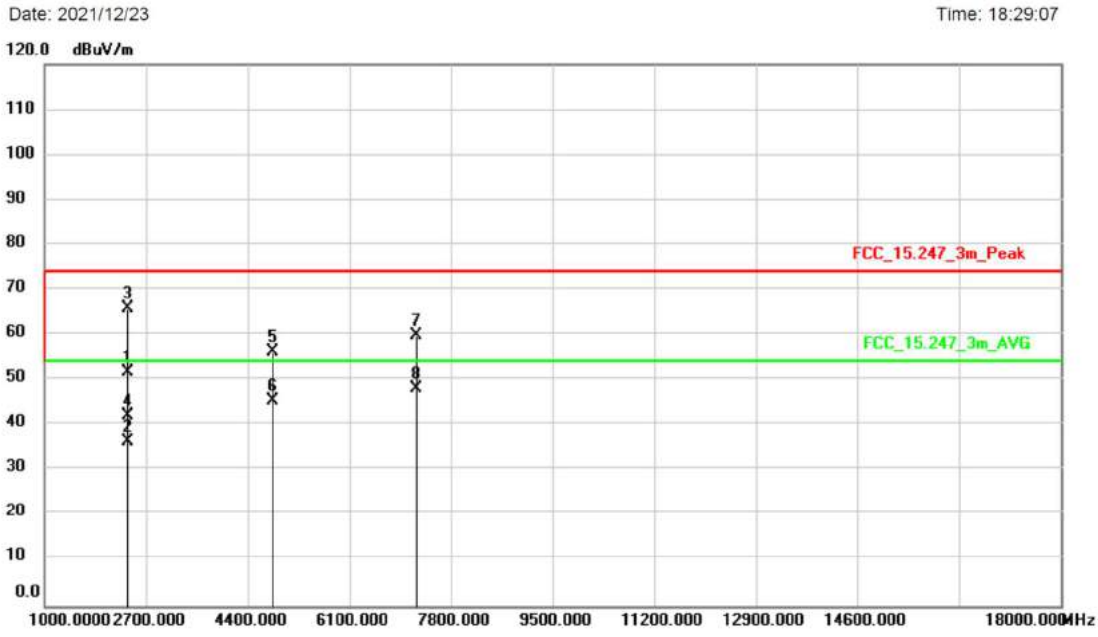


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	59.46	0.09	59.55	74.00	-14.45	peak	
2		2390.000	36.73	0.09	36.82	54.00	-17.18	AVG	
3		2398.000	70.16	0.13	70.29	74.00	-3.71	peak	
4		2398.000	45.12	0.13	45.25	54.00	-8.75	AVG	
5		4804.000	54.64	6.30	60.94	74.00	-13.06	peak	
6	*	4804.000	45.02	6.30	51.32	54.00	-2.68	AVG	
7		7206.000	51.73	10.44	62.17	74.00	-11.83	peak	
8		7206.000	40.49	10.44	50.93	54.00	-3.07	AVG	

Note: 1. Result Level = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Site	: 3m Chamber	**Tested By**	: Hancock
EUT	: AC Wallbox Charging Station	**Model Number**	: WPTAC-11KW-S24-TD
Power Supply	: AC 240V/60Hz	**Test Mode**	: TX MODE
Condition	: Temp:26°,Humi:47%,Press:100.1kPa	**Distance**	: 3m
Note	: 2.4G BLE 1Mbps Low channel	**Polarization**	: Vertical

Radiated Emission Measurement

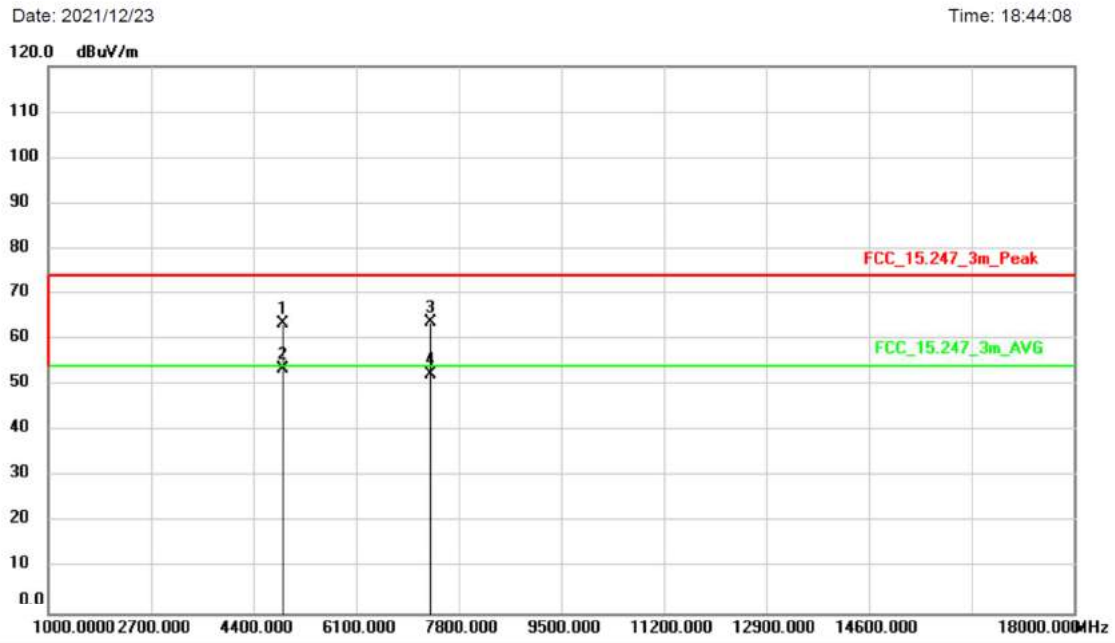


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	51.55	0.09	51.64	74.00	-22.36	peak	
2		2390.000	36.22	0.09	36.31	54.00	-17.69	AVG	
3		2398.000	65.82	0.13	65.95	74.00	-8.05	peak	
4		2398.000	41.99	0.13	42.12	54.00	-11.88	AVG	
5		4804.000	50.06	6.30	56.36	74.00	-17.64	peak	
6		4804.000	39.12	6.30	45.42	54.00	-8.58	AVG	
7		7206.000	49.29	10.44	59.73	74.00	-14.27	peak	
8	*	7206.000	37.84	10.44	48.28	54.00	-5.72	AVG	

Note: 1. Result Level = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Site	: 3m Chamber	**Tested By**	: Hancock
EUT	: AC Wallbox Charging Station	**Model Number**	: WPTAC-11KW-S24-TD
Power Supply	: AC 240V/60Hz	**Test Mode**	: TX MODE
Condition	: Temp:26°,Humi:47%,Press:100.1kPa	**Distance**	: 3m
Note	: 2.4G BLE 1Mbps Middle channel	**Polarization**	: Horizontal

Radiated Emission Measurement

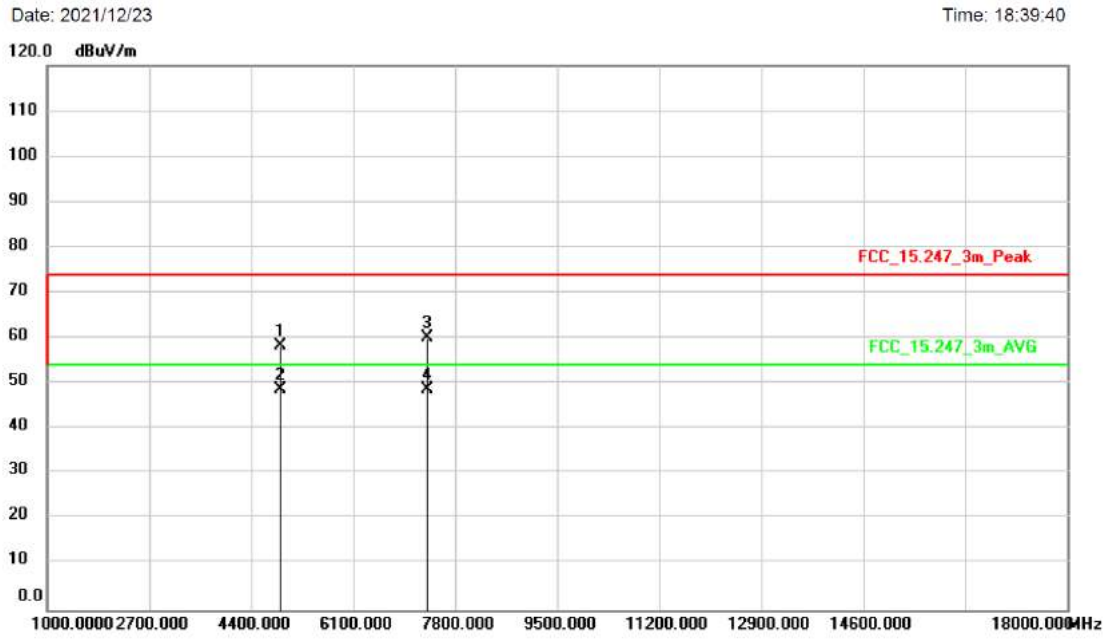


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment
1		4880.000	56.76	6.60	63.36	74.00	-10.64	peak	
2	*	4880.000	46.97	6.60	53.57	54.00	-0.43	AVG	
3		7320.000	53.17	10.55	63.72	74.00	-10.28	peak	
4		7320.000	41.66	10.55	52.21	54.00	-1.79	AVG	

Note: 1. Result Level = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Site	: 3m Chamber	**Tested By**	: Hancock
EUT	: AC Wallbox Charging Station	**Model Number**	: WPTAC-11KW-S24-TD
Power Supply	: AC 240V/60Hz	**Test Mode**	: TX MODE
Condition	: Temp:26°,Humi:47%,Press:100.1kPa	**Distance**	: 3m
Note	: 2.4G BLE 1Mbps Middle channel	**Polarization**	: Vertical

Radiated Emission Measurement

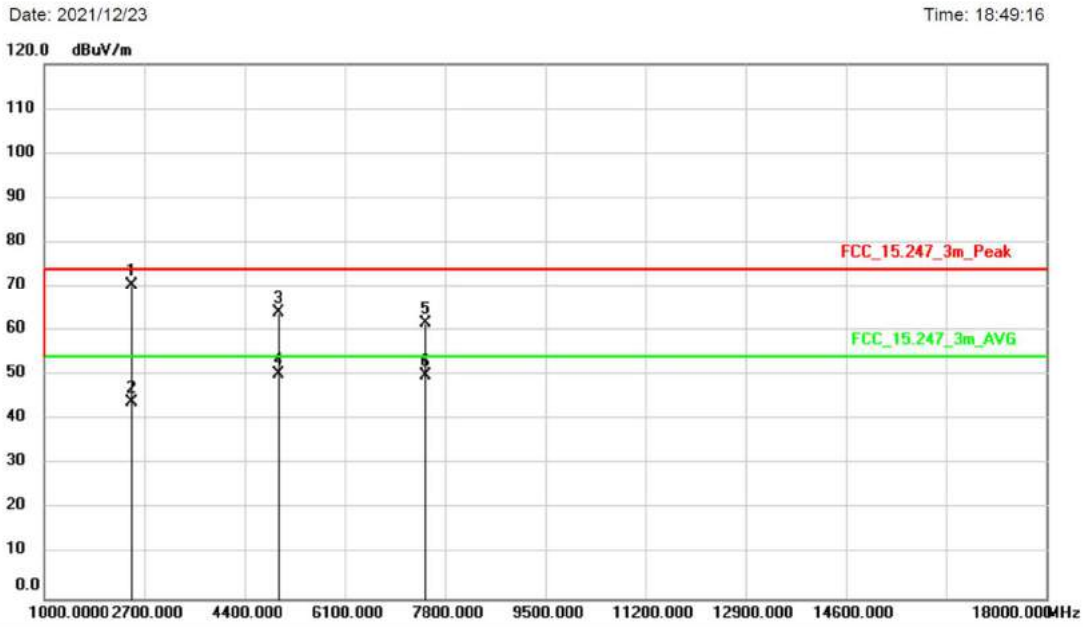


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment
1		4880.000	51.80	6.60	58.40	74.00	-15.60	peak	
2	*	4880.000	42.11	6.60	48.71	54.00	-5.29	AVG	
3		7320.000	49.54	10.55	60.09	74.00	-13.91	peak	
4		7320.000	38.07	10.55	48.62	54.00	-5.38	AVG	

Note: 1. Result Level = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Site	: 3m Chamber	**Tested By**	: Hancock
EUT	: AC Wallbox Charging Station	**Model Number**	: WPTAC-11KW-S24-TD
Power Supply	: AC 240V/60Hz	**Test Mode**	: TX MODE
Condition	: Temp:26°,Humi:47%,Press:100.1kPa	**Distance**	: 3m
Note	: 2.4G BLE 1Mbps High channel	**Polarization**	: Horizontal

Radiated Emission Measurement

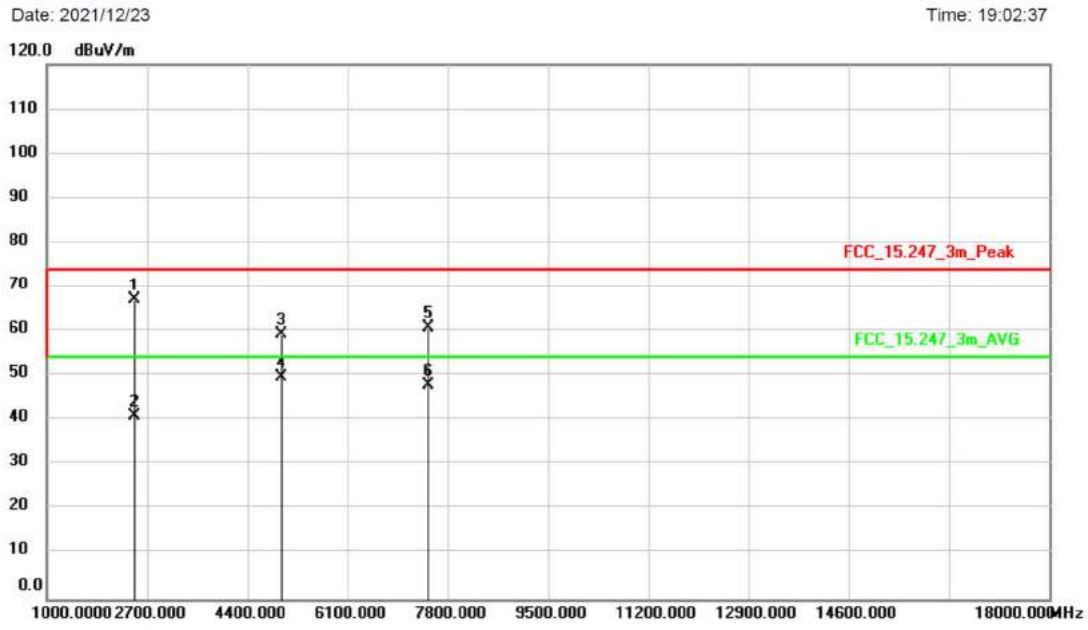


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2483.500	70.07	0.34	70.41	74.00	-3.59	peak	
2		2483.500	43.54	0.34	43.88	54.00	-10.12	AVG	
3		4960.000	57.21	6.89	64.10	74.00	-9.90	peak	
4		4960.000	43.49	6.89	50.38	54.00	-3.62	AVG	
5		7440.000	51.08	10.60	61.68	74.00	-12.32	peak	
6		7440.000	39.41	10.60	50.01	54.00	-3.99	AVG	

Note: 1. Result Level = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Site	: 3m Chamber	**Tested By**	: Hancock
EUT	: AC Wallbox Charging Station	**Model Number**	: WPTAC-11KW-S24-TD
Power Supply	: AC 240V/60Hz	**Test Mode**	: TX MODE
Condition	: Temp:26°,Humi:47%,Press:100.1kPa	**Distance**	: 3m
Note	: 2.4G BLE 1Mbps High channel	**Polarization**	: Vertical

Radiated Emission Measurement

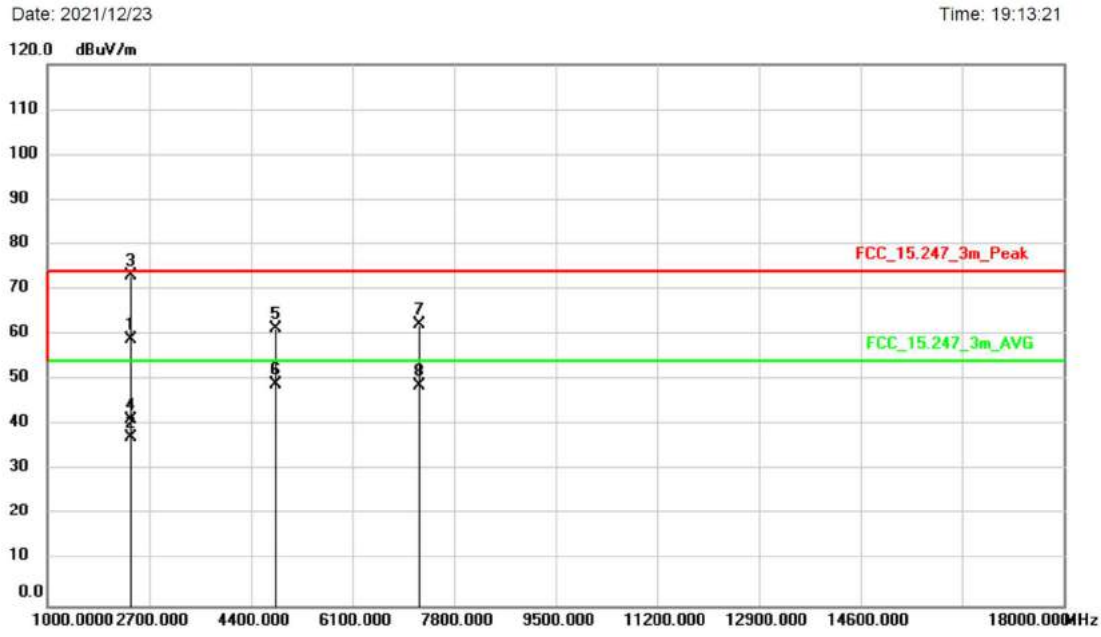


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment
1		2483.500	66.56	0.34	66.90	74.00	-7.10	peak	
2		2483.500	40.62	0.34	40.96	54.00	-13.04	AVG	
3		4960.000	52.37	6.89	59.26	74.00	-14.74	peak	
4	*	4960.000	42.77	6.89	49.66	54.00	-4.34	AVG	
5		7440.000	50.10	10.60	60.70	74.00	-13.30	peak	
6		7440.000	37.28	10.60	47.88	54.00	-6.12	AVG	

Note: 1. Result Level = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Site	: 3m Chamber	**Tested By**	: Hancock
EUT	: AC Wallbox Charging Station	**Model Number**	: WPTAC-11KW-S24-TD
Power Supply	: AC 240V/60Hz	**Test Mode**	: TX MODE
Condition	: Temp:26°,Humi:47%,Press:100.1kPa	**Distance**	: 3m
Note	: 2.4G BLE 2Mbps Low channel	**Polarization**	: Horizontal

Radiated Emission Measurement

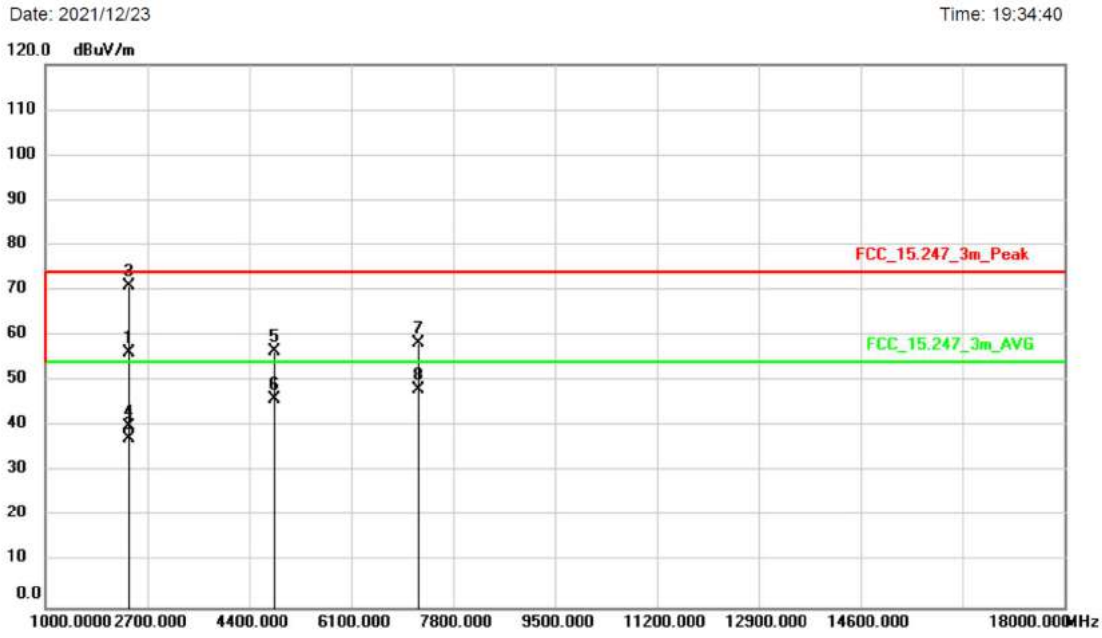


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	58.97	0.09	59.06	74.00	-14.94	peak	
2		2390.000	37.19	0.09	37.28	54.00	-16.72	AVG	
3	*	2398.000	72.82	0.13	72.95	74.00	-1.05	peak	
4		2398.000	41.12	0.13	41.25	54.00	-12.75	AVG	
5		4804.000	55.17	6.30	61.47	74.00	-12.53	peak	
6		4804.000	42.61	6.30	48.91	54.00	-5.09	AVG	
7		7206.000	51.85	10.44	62.29	74.00	-11.71	peak	
8		7206.000	38.46	10.44	48.90	54.00	-5.10	AVG	

Note: 1. Result Level = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Site	: 3m Chamber	**Tested By**	: Hancock
EUT	: AC Wallbox Charging Station	**Model Number**	: WPTAC-11KW-S24-TD
Power Supply	: AC 240V/60Hz	**Test Mode**	: TX MODE
Condition	: Temp:26°,Humi:47%,Press:100.1kPa	**Distance**	: 3m
Note	: 2.4G BLE 2Mbps Low channel	**Polarization**	: Vertical

Radiated Emission Measurement

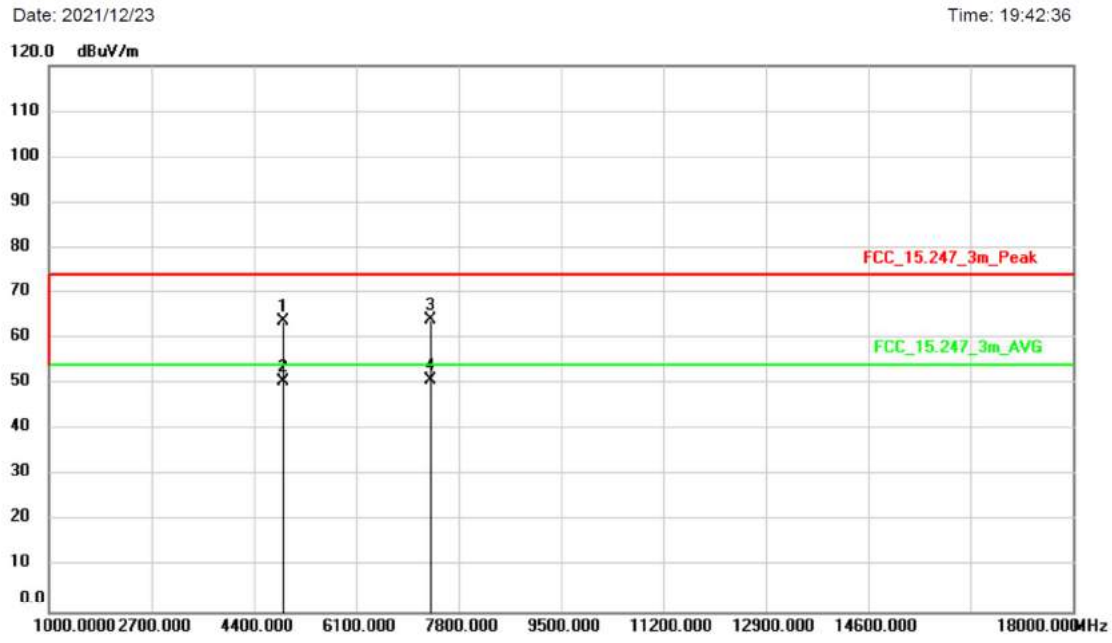


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	56.11	0.09	56.20	74.00	-17.80	peak	
2		2390.000	37.15	0.09	37.24	54.00	-16.76	AVG	
3	*	2398.000	70.89	0.13	71.02	74.00	-2.98	peak	
4		2398.000	39.87	0.13	40.00	54.00	-14.00	AVG	
5		4804.000	50.29	6.30	56.59	74.00	-17.41	peak	
6		4804.000	39.68	6.30	45.98	54.00	-8.02	AVG	
7		7206.000	47.93	10.44	58.37	74.00	-15.63	peak	
8		7206.000	37.83	10.44	48.27	54.00	-5.73	AVG	

Note: 1. Result Level = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Site	: 3m Chamber	**Tested By**	: Hancock
EUT	: AC Wallbox Charging Station	**Model Number**	: WPTAC-11KW-S24-TD
Power Supply	: AC 240V/60Hz	**Test Mode**	: TX MODE
Condition	: Temp:26°,Humi:47%,Press:100.1kPa	**Distance**	: 3m
Note	: 2.4G BLE 2Mbps Middle channel	**Polarization**	: Horizontal

Radiated Emission Measurement

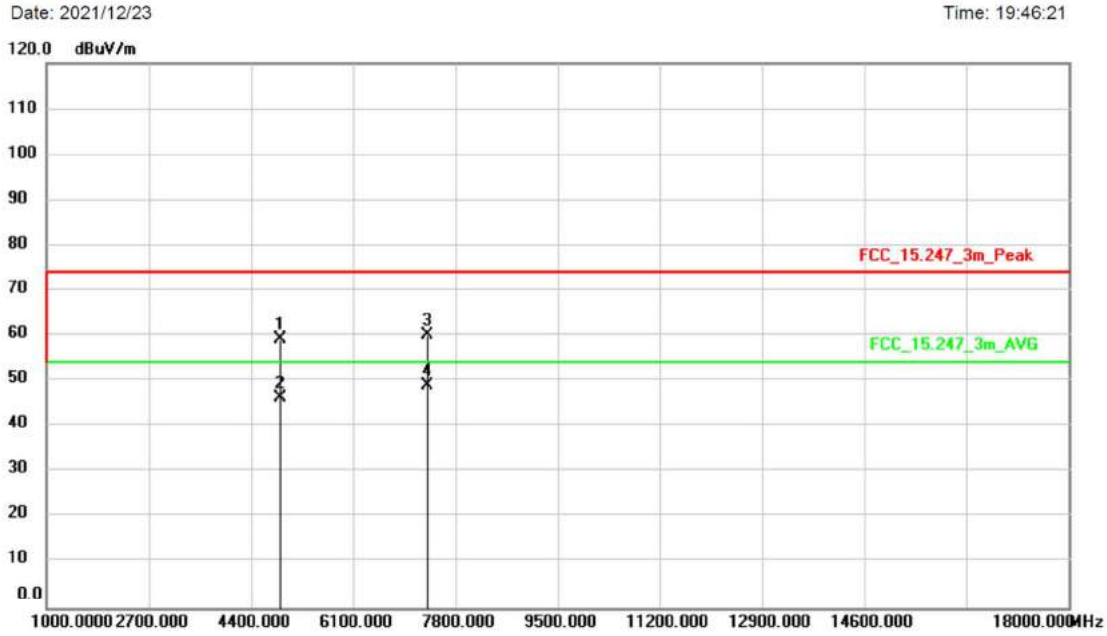


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment
1		4880.000	57.14	6.60	63.74	74.00	-10.26	peak	
2		4880.000	43.94	6.60	50.54	54.00	-3.46	AVG	
3		7320.000	53.52	10.55	64.07	74.00	-9.93	peak	
4	*	7320.000	40.34	10.55	50.89	54.00	-3.11	AVG	

Note: 1. Result Level = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Site	: 3m Chamber	**Tested By**	: Hancock
EUT	: AC Wallbox Charging Station	**Model Number**	: WPTAC-11KW-S24-TD
Power Supply	: AC 240V/60Hz	**Test Mode**	: TX MODE
Condition	: Temp:26°,Humi:47%,Press:100.1kPa	**Distance**	: 3m
Note	: 2.4G BLE 2Mbps Middle channel	**Polarization**	: Vertical

Radiated Emission Measurement

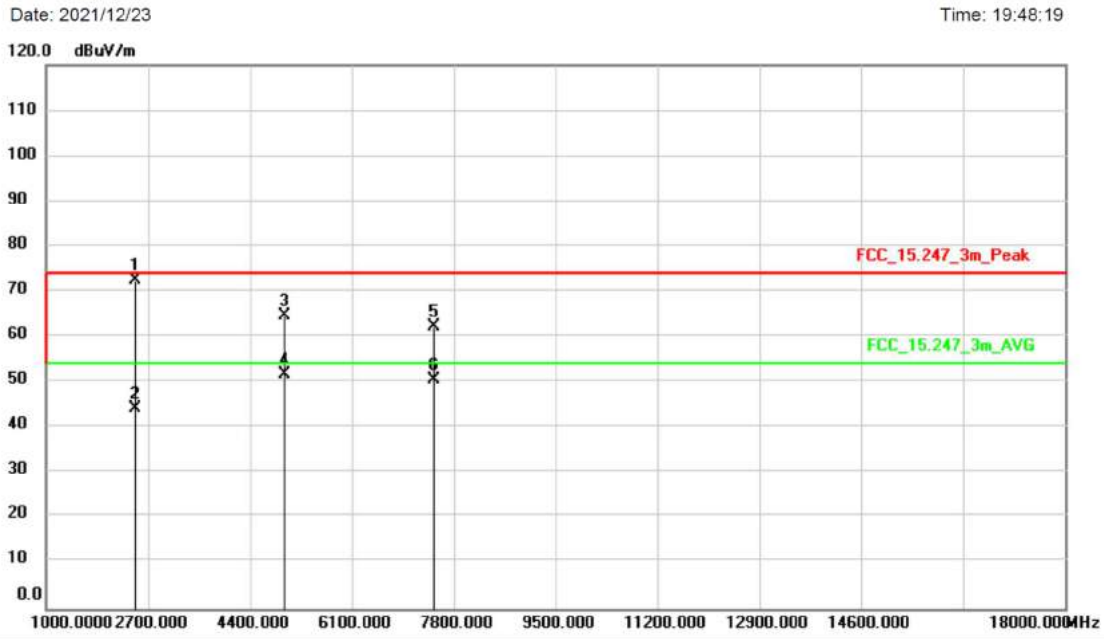


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment
1		4880.000	52.72	6.60	59.32	74.00	-14.68	peak	
2		4880.000	39.70	6.60	46.30	54.00	-7.70	AVG	
3		7320.000	49.49	10.55	60.04	74.00	-13.96	peak	
4	*	7320.000	38.41	10.55	48.96	54.00	-5.04	AVG	

Note: 1. Result Level = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Site	: 3m Chamber	**Tested By**	: Hancock
EUT	: AC Wallbox Charging Station	**Model Number**	: WPTAC-11KW-S24-TD
Power Supply	: AC 240V/60Hz	**Test Mode**	: TX MODE
Condition	: Temp:26°,Humi:47%,Press:100.1kPa	**Distance**	: 3m
Note	: 2.4G BLE 2Mbps High channel	**Polarization**	: Horizontal

Radiated Emission Measurement

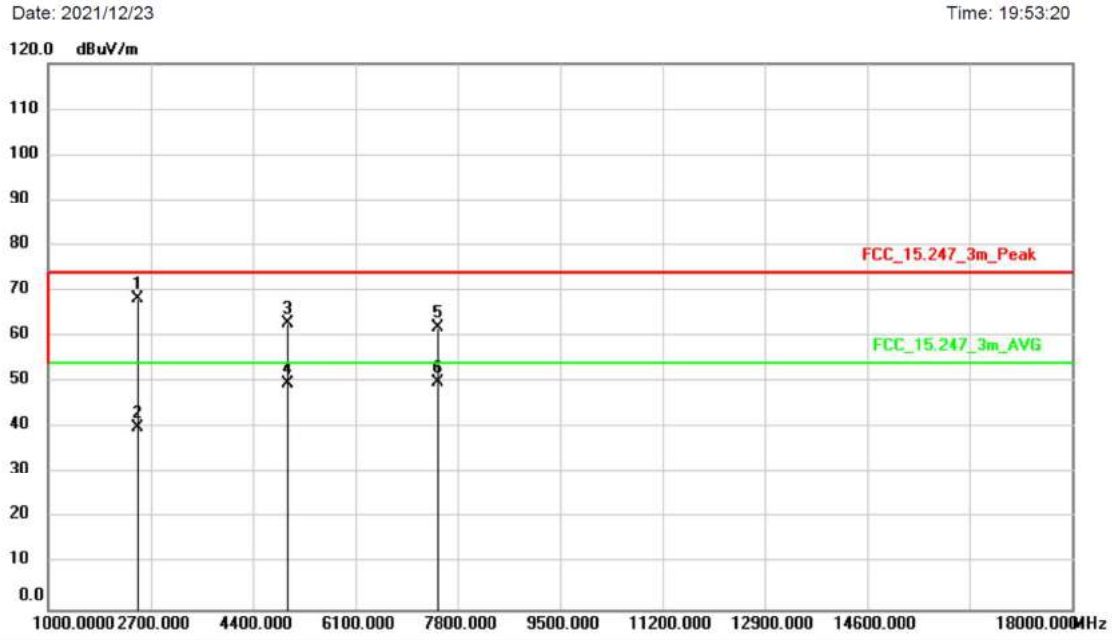


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2483.500	72.25	0.34	72.59	74.00	-1.41	peak	
2		2483.500	43.87	0.34	44.21	54.00	-9.79	AVG	
3		4960.000	57.63	6.89	64.52	74.00	-9.48	peak	
4		4960.000	44.76	6.89	51.65	54.00	-2.35	AVG	
5		7440.000	51.74	10.60	62.34	74.00	-11.66	peak	
6		7440.000	40.09	10.60	50.69	54.00	-3.31	AVG	

Note: 1. Result Level = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Test Site	: 3m Chamber	**Tested By**	: Hancock
EUT	: AC Wallbox Charging Station	**Model Number**	: WPTAC-11KW-S24-TD
Power Supply	: AC 240V/60Hz	**Test Mode**	: TX MODE
Condition	: Temp:26°,Humi:47%,Press:100.1kPa	**Distance**	: 3m
Note	: 2.4G BLE 2Mbps High channel	**Polarization**	: Vertical

Radiated Emission Measurement



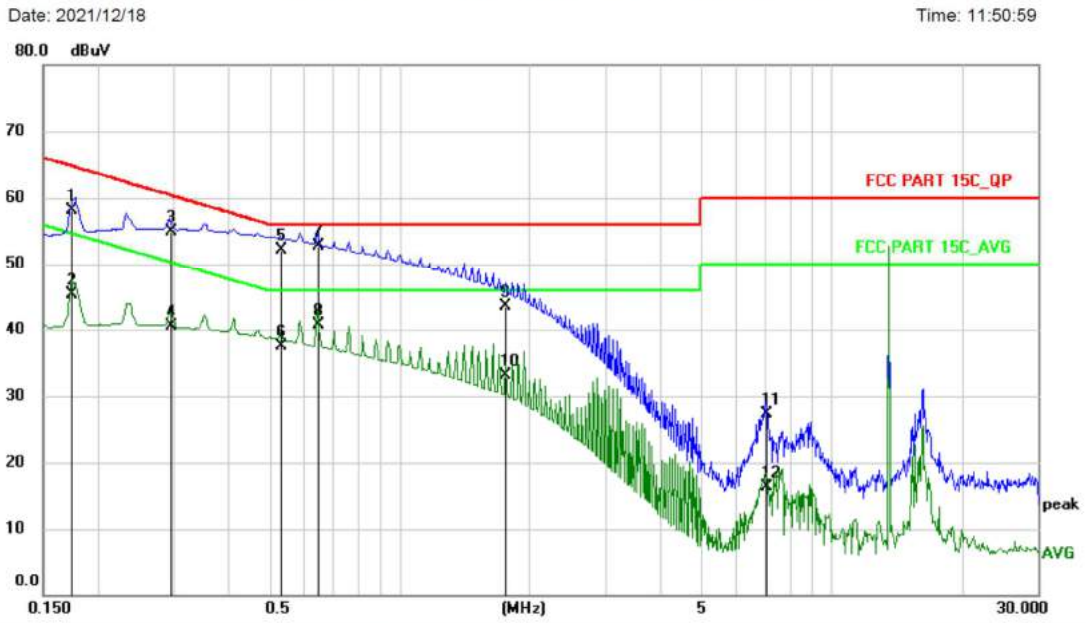
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	Detector	Comment
1		2483.500	67.98	0.34	68.32	74.00	-5.68	peak	
2		2483.500	39.76	0.34	40.10	54.00	-13.90	AVG	
3		4960.000	55.96	6.89	62.85	74.00	-11.15	peak	
4		4960.000	42.78	6.89	49.67	54.00	-4.33	AVG	
5		7440.000	51.25	10.60	61.85	74.00	-12.15	peak	
6	*	7440.000	39.41	10.60	50.01	54.00	-3.99	AVG	

Note: 1. Result Level = Reading Level + Correct Factor.
2. If Peak Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

Appendix A.7: Test Results of Conducted Emission

Test Site	: Shield Room		
Test Date	: 2021-12-18	**Tested By**	: Chance
EUT	: AC Wallbox Charging Station	**Model Number**	: WPTAC-11KW-S24-TD
Power Supply	: AC 240V/60Hz	**Test Mode**	: BT link mode
Condition	: TEMP:26°C, RH:50.0%, BP:101.0kPa	**Phase**	: NEUTRAL
Memo	: BLE		

Conducted Emission Measurement

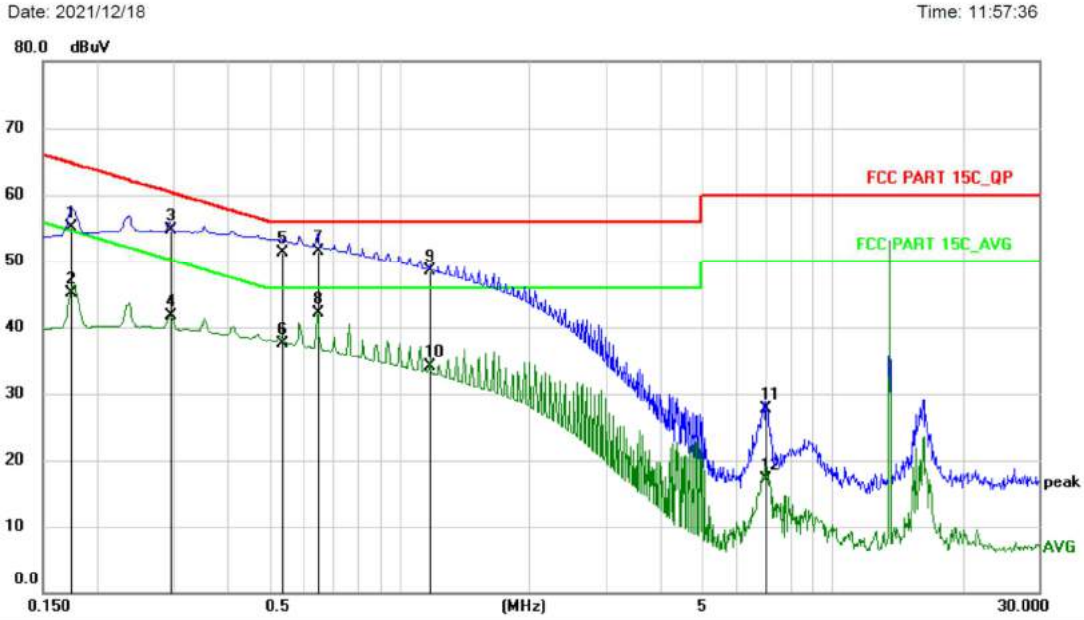


No. Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1740	47.50	10.60	58.10	64.77	-6.67	QP	
2	0.1740	34.80	10.60	45.40	54.77	-9.37	AVG	
3	0.2940	44.30	10.60	54.90	60.41	-5.51	QP	
4	0.2940	30.00	10.60	40.60	50.41	-9.81	AVG	
5	0.5299	41.57	10.63	52.20	56.00	-3.80	QP	
6	0.5299	26.87	10.63	37.50	46.00	-8.50	AVG	
7 *	0.6500	42.05	10.65	52.70	56.00	-3.30	QP	
8	0.6500	30.15	10.65	40.80	46.00	-5.20	AVG	
9	1.7620	32.80	10.70	43.50	56.00	-12.50	QP	
10	1.7620	22.40	10.70	33.10	46.00	-12.90	AVG	
11	7.0500	16.58	10.72	27.30	60.00	-32.70	QP	
12	7.0500	5.68	10.72	16.40	50.00	-33.60	AVG	

Note:
1. Result Level = Read Level +Correct.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.

Test Site	: Shield Room		
Test Date	: 2021-12-18	**Tested By**	: Chance
EUT	: AC Wallbox Charging Station	**Model Number**	: WPTAC-11KW-S24-TD
Power Supply	: AC 240V/60Hz	**Test Mode**	: BT link mode
Condition	: TEMP:26°C, RH:50.0%, BP:101.0kPa	**Phase**	: LINE
Memo	: BLE		

Conducted Emission Measurement



No. Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1740	44.60	10.60	55.20	64.77	-9.57	QP	
2	0.1740	34.50	10.60	45.10	54.77	-9.67	AVG	
3	0.2940	44.20	10.60	54.80	60.41	-5.61	QP	
4	0.2940	31.10	10.60	41.70	50.41	-8.71	AVG	
5	0.5340	40.77	10.63	51.40	56.00	-4.60	QP	
6	0.5340	26.97	10.63	37.60	46.00	-8.40	AVG	
7	0.6460	40.95	10.65	51.60	56.00	-4.40	QP	
8 *	0.6460	31.45	10.65	42.10	46.00	-3.90	AVG	
9	1.1780	37.80	10.70	48.50	56.00	-7.50	QP	
10	1.1780	23.50	10.70	34.20	46.00	-11.80	AVG	
11	7.0100	17.08	10.72	27.80	60.00	-32.20	QP	
12	7.0100	6.38	10.72	17.10	50.00	-32.90	AVG	

Note:
1. Result Level = Read Level +Correct.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.