



Prüfbericht-Nr.: <i>Test report No.:</i>	60368482 001	Auftrags-Nr.: <i>Order No.:</i>	168153087	Seite 1 von 34 <i>Page 1 of 34</i>	
Kunden-Referenz-Nr.: <i>Client reference No.:</i>	N/A	Auftragsdatum: <i>Order date.:</i>	20.01.2020		
Auftraggeber: <i>Client:</i>	Huizhou Desay SV Automotive Co., Ltd. 103, Hechang 5th Road West, Zhongkai National Hi-tech Industrial Development Zone, Huizhou, Guandong, China				
Prüfgegenstand: <i>Test item:</i>	Car Wireless Charger				
Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i>	CHG-WIRELESS				
Auftrags-Inhalt: <i>Order content:</i>	Type Test				
Prüfgrundlage: <i>Test specification:</i>	CFR47 FCC Part 15: Subpart C Section 15.225 CFR47 FCC Part 15: Subpart C Section 15.209 CFR47 FCC Part 2: Subpart J Section 1.1310	RSS-216 issue 2 January 2016 RSS-210 Issue 10 October 2019 RSS-GEN issue 5 March 2019 RSS-102 issue 5 March 2015			
Wareneingangsdatum: <i>Date of receipt:</i>	15.04.2020	Refer to photos document			
Prüfmuster-Nr.: <i>Test sample No.:</i>	A002808003				
Prüfzeitraum: <i>Testing period:</i>	17.04.2020 - 28.04.2020				
Ort der Prüfung: <i>Place of testing:</i>	TÜV Rheinland (Shenzhen) Co., Ltd. Testing Center				
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Shenzhen) Co., Ltd.				
Prüfergebnis*: <i>Test result*:</i>	Pass				
geprüft von / tested by:		kontrolliert von / reviewed by:			
					
18.05.2020	Alex Lan / Senior Project Engineer	18.05.2020	Winnie Hou / Technical Certifier		
Datum <i>Date</i>	Name/Stellung <i>Name/Position</i>	Unterschrift <i>Signature</i>	Datum <i>Date</i>	Name/Stellung <i>Name/Position</i>	Unterschrift <i>Signature</i>
Sonstiges / Other:					
FCC ID: 2AEQT-CHG-WIRELESS IC: 26055-CHGWIRELESS, HVIN: CHG-WIRELESS					
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 = mangelhalt 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 specifications(s) F(ail) = failed a.m. test specifications(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>					

V04

Test Summary

5.1.1 ANTENNA REQUIREMENT*RESULT: Pass***5.1.2 99% BANDWIDTH***RESULT: Pass***5.1.3 20dB BANDWIDTH***RESULT: Pass***5.1.4 RADIATED SPURIOUS EMISSION***RESULT: Pass***5.2.1 EMISSION WITHIN BAND***RESULT: Pass***5.2.2 SPURIOUS EMISSION OUTSIDE BAND***RESULT: Pass***5.2.3 FREQUENCY TOLERANCE OF CARRIER SIGNAL***RESULT: Pass***5.2.4 99% BANDWIDTH***RESULT: Pass***5.2.5 20dB BANDWIDTH***RESULT: Pass*

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1 General Remarks

1.1 Complementary Materials

None

2 Test Sites

2.1 Test Facilities

TÜV Rheinland (Shenzhen) Co., Ltd. Testing Center

No. 362 Huanguan Road Middle, Longhua District, Shenzhen 518110, People's Republic of China

FCC Registration No.: 694916

IC Registration No.: 25069

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

TÜV Rheinland (Shenzhen) Co., Ltd. Testing Center

<input type="checkbox"/> Radio Spectrum Testing				
Description	Manufacturer	Model	Serial No.	Calibrated until
Wireless Connectivity Tester	Rohde & Schwarz	CMW270	101375	20.08.2020
Signal Analyzer	Rohde & Schwarz	FSV 40	101441	20.08.2020
Vector Signal Generator	Rohde & Schwarz	SMBV100A	263301	21.08.2020
Signal Generator	Rohde & Schwarz	SMB100A	115186	21.08.2020
OSP	Rohde & Schwarz	OSP 150	101017	20.12.2020
Control PC	DELL	OptiPlex 7050	FTJZ9P2	N/A
Test Software	Rohde & Schwarz	WMS32 (V10.40.10)	N/A	N/A
Power Meter	Rohde & Schwarz	NRP2	107105	20.12.2020
Wideband Power Sensor	Rohde & Schwarz	NRP-Z81	105350	20.12.2020
Humid & Temp Programmable Tester	BOST	NTH090-60	19040801	16.04.2020
Shielding Room 8#	Albatross	SR8	APC17151-SR8	23.07.2020
<input checked="" type="checkbox"/> Unwanted Emission Testing				
Description	Manufacturer	Model	Serial No.	Calibrated until
EMI Test Receiver	Rohde & Schwarz	ESR 7	102021	19.08.2020
Signal Analyzer	Rohde & Schwarz	FSV 40	101439	21.08.2020
System Controller Interface	Rohde & Schwarz	SCI-100	S10010038	N/A
Filterbank	Rohde & Schwarz	Wlan	100759	21.08.2020
OSP	Rohde & Schwarz	OSP 120	102040	N/A
Pre-amplifier	Rohde & Schwarz	SCU08F1	08320031	20.08.2020
Amplifier	Rohde & Schwarz	SCU-18F	180070	20.08.2020
Amplifier	Rohde & Schwarz	SCU40A	100475	20.08.2020
Trilog Broadband Antenna (30 MHz - 1 GHz)	Schwarzbeck	VULB9162	193	02.09.2020
Double-Ridged Antenna (1 -18 GHz)	ETS-LINDGREN	3117	00218717	02.09.2020
Wideband Ridged Horn Antenna (18-40 GHz)	Steatite	QMS-00880	19067	02.09.2020
Active Loop Antenna	Schwarzbeck	FMZB 1513	302	01.09.2020

Wideband Ridged Horn Antenna (12-18 GHz)	Steatite	QMS-00208	18313	02.09.2020
Test software	Rohde & Schwarz	V10.40.10-EMC32	N/A	N/A
Control PC	Dell	OptiPlex 7050	36NV9P2	N/A
3m Semi-Anechoic Chamber	Albatross	SAC-3m	APC17151-SAC	07.06.2020

RF Exposure

H-Field Probe 100 cm2 SENSOR	narda	D-0010	BN 2300/90.10	20.05.2020
MAGNETIC FIELD HITESTER ELT-400	narda	D-0009	BN 2304/03	20.05.2020

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 and conducted emissions measurements as below table

Test	Parameters	Expanded uncertainty (U_{lab})	Expanded uncertainty (U_{Cispr})
Conducted Emission	Level accuracy (9kHz to 150kHz)	± 3.70 dB	± 3.8 dB
	(150kHz to 30MHz)	± 3.30 dB	± 3.4 dB
Radiated Emission (3m SAC)	Level accuracy (30MHz to 1000MHz)	± 4.52 dB	± 6.3 dB
	Level accuracy (above 1000MHz)	± 4.37 dB	N/A

2.6 Location of Original Data

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

2.7 Status of Facility Used for Testing

The TÜV Rheinland (Shenzhen) Co., Ltd. Testing Center Test facility located at No. 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 device is a Car Wireless Charger, which supports wireless charging and NFC functions. This product is assembled inside the car and the embedding depth is 1.5mm to 2.5mm. Only the worst test mode was recorded 1.5mm in this test report. 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	Car Wireless Charger
Type Designation	CHG-WIRELESS
Input Voltage	DC 12V, 3A
Technical Specification of WPT	
Operating Frequency	110-205KHz
Extreme Temperature Range	0°C - +40°C
Modulation	FSK
Antenna Type	Induction coil
Wireless output	15W maximum
Technical Specification of NFC	
Operating Frequency	13.56MHz
Extreme Temperature Range	0°C - +40°C
Modulation	ASK
Antenna Type	PCB Layout Antenna

3.3 Independent Operation Modes

The basic operation modes are:

- A. On, Wireless charging
- B. On, NFC function, transmitting
- C. Off

3.4 Noise Generating and Noise Suppressing Parts

Refer to Circuit Diagram for further details.

3.5 Submitted Documents

- Block Diagram
- Schematics
- User Manual

4 Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

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.

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.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5&6. All testing were performed according to the procedures in ANSI C63.10: 2013 & ANSI C63.4: 2014

According to clause 3.1, all tests were applied on model CHG-WIRELESS with three embedding depth.

Minimum embedding depth	1.5mm
Medium embedding depth	2.0mm
Maximum embedding depth	2.5mm

4.3 Special Accessories and Auxiliary Equipment

Table 3: List of Accessories and Auxiliary Equipment

Description	Manufacturer	Model	S/N
Electrical Load	Desay SV	YBZ	N/A

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)

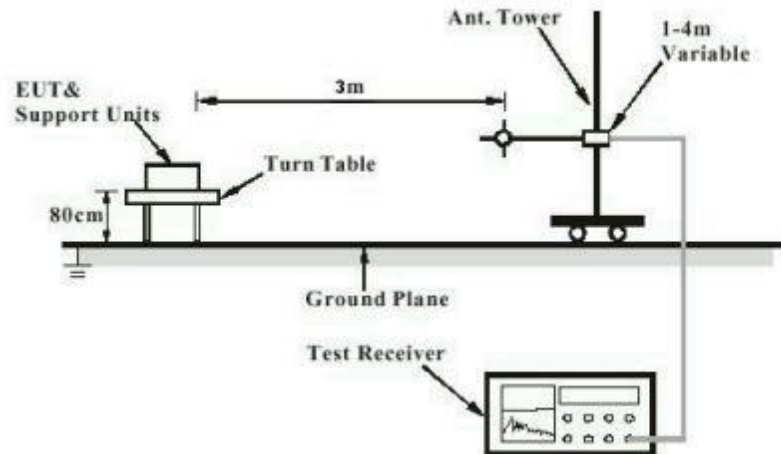


Diagram of Measurement Configuration for Conducted Transmitter Measurement

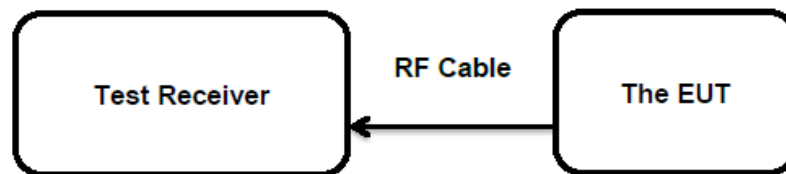
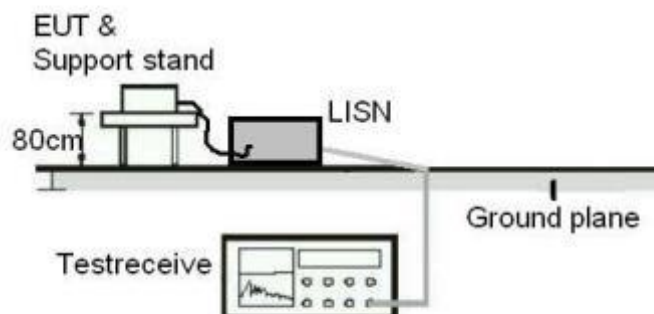


Diagram of Measurement Equipment Configuration for Mains Conduction Measurement



5 Test Results

5.1 Transmitter Requirement & Test Suites for WPT

5.1.1 Antenna Requirement

RESULT: **Pass**

Test Specification

Test standard	:	Part 15.203
	:	RSS-Gen Clause 6.7
Limit	:	the use of antennas with directional gains that do not exceed 6 dBi

According to the manufacturer declared, the EUT has two internal antennas, the directional gain of antenna are 0 dBi for NFC and WPT, and the antennas connector are 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 99% Bandwidth

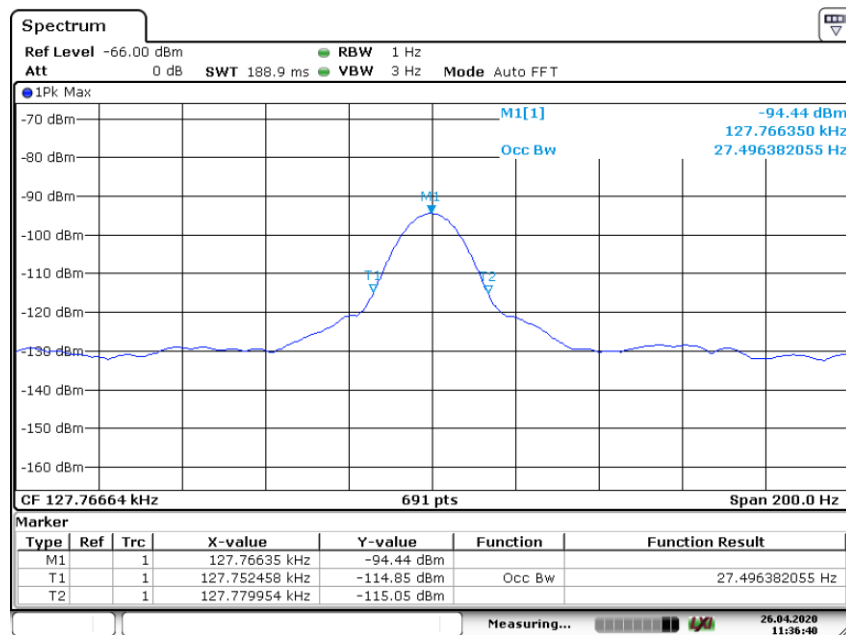
RESULT:
Pass
Test Specification

Test standard : RSS-Gen Clause 6.7
 Basic standard : ANSI C63.10: 2013
 Kind of test site : Shielded Room

Test Setup

Date of testing : 26.04.2020
 Input voltage : DC 12V
 Operation mode : A
 Ambient temperature : 25 °C
 Relative humidity : 56 %
 Atmospheric pressure : 101 kPa

For details refer to following test result.



Date: 26.APR.2020 11:36:41

5.1.3 20dB Bandwidth

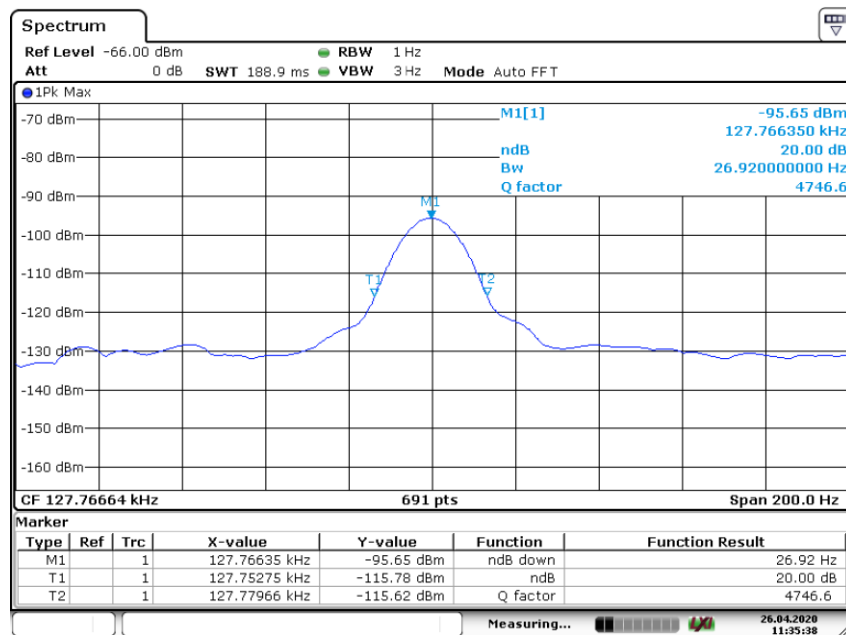
RESULT:
Pass
Test Specification

 Test standard : FCC Part 15.215(c)
 Basic standard : ANSI C63.10: 2013
 Kind of test site : Shielded Room

Test Setup

 Date of testing : 26.04.2020
 Input voltage : DC 12V
 Operation mode : A
 Ambient temperature : 25 °C
 Relative humidity : 56 %
 Atmospheric pressure : 101 kPa

For details refer to following test result.



Date: 26.APR.2020 11:35:39

5.1.4 Radiated Spurious Emission

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

Test standard	:	FCC Part 15.201 RSS-216 Clause 6.2.2.2
Basic standard	:	ANSI C63.10: 2013
Limits	:	Refer to 15.209(a) RSS-Gen Issue 4 Table 4
Kind of test site	:	3m Semi-anechoic Chamber

Test Setup

Date of testing	:	26.04.2020
Input voltage	:	DC 12V
Operation mode	:	A
Ambient temperature	:	24 °C
Relative humidity	:	45 %
Atmospheric pressure	:	101 kPa

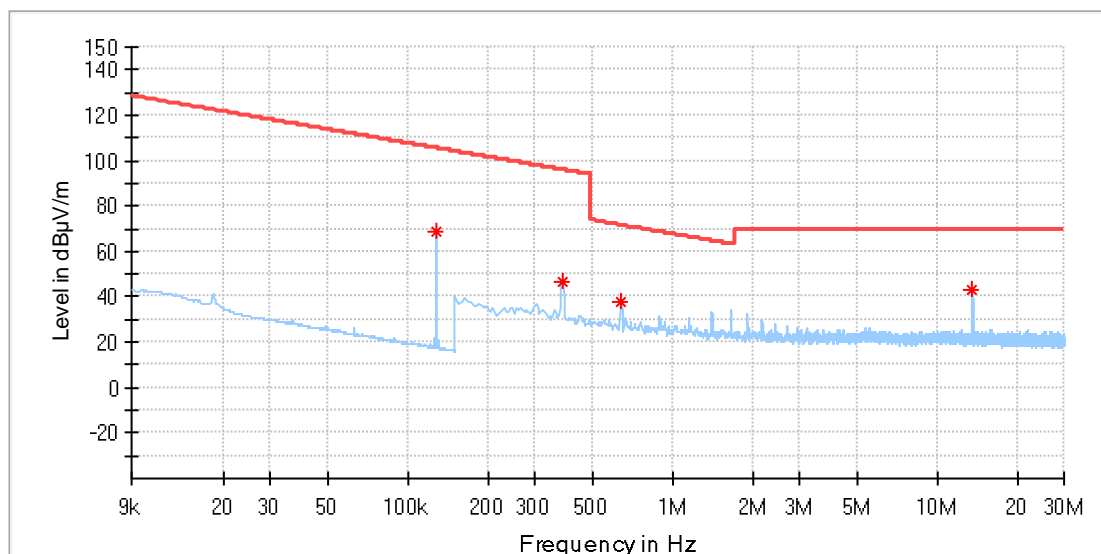
For details refer to following test result.

Minimum embedding depth: 1.5mm

9KHz – 30MHz

EUT Information

EUT Name:	Car Wireless Charger
Model:	CHG-WIRELESS
Test Mode:	TX
Test Voltage::	DC 12V From DC Source
Remark:	Temp 24 Humi:45%
polarity	X
Test Standard:	FCC 15.209
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

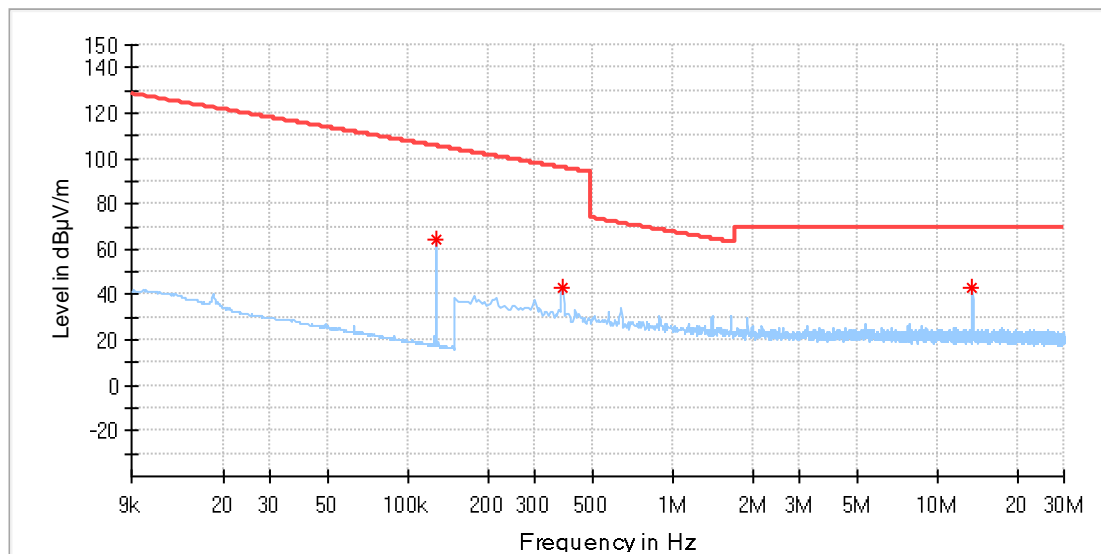


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/)	Margin (dB)	Height (cm)		Azimuth (deg)	Corr. (dB/m)	Preamp (dB)	Trd Corr. (dB/m)
0.127843	68.61	105.46	36.85	100.0		330.0	20.0	0.0	20.0
0.382655	46.99	95.95	48.96	100.0		323.0	20.0	0.0	20.0
0.637258	37.97	71.52	33.55	100.0		344.0	20.0	0.0	20.0
13.560552	42.99	69.50	26.51	100.0		272.0	20.0	0.0	20.0

EUT Information

EUT Name:	Car Wireless Charger
Model:	CHG-WIRELESS
Test Mode:	TX
Test Voltage::	DC 12V From DC Source
Remark:	Temp 24 Humi:45%
polarity	Y
Test Standard:	FCC 15.209
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

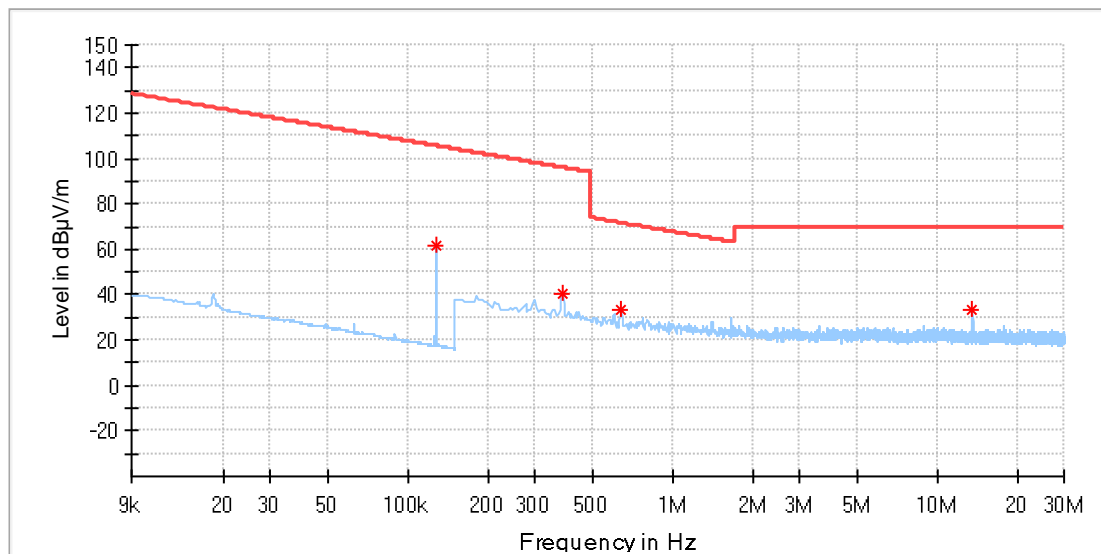


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin	Height (cm)	Azimuth (deg)	Corr. (dB/m)	Preamp (dB)	Trd Corr. (dB/m)
0.127843	64.25	105.46	41.2	100.0	250.0	20.0	0.0	20.0
0.382655	42.89	95.95	53.0	100.0	58.0	20.0	0.0	20.0
13.560552	43.27	69.50	26.2	100.0	348.0	20.0	0.0	20.0

EUT Information

EUT Name:	Car Wireless Charger
Model:	CHG-WIRELESS
Test Mode:	TX
Test Voltage::	DC 12V From DC Source
Remark:	Temp 24 Humi:45%
polarity	Z
Test Standard:	FCC 15.209
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



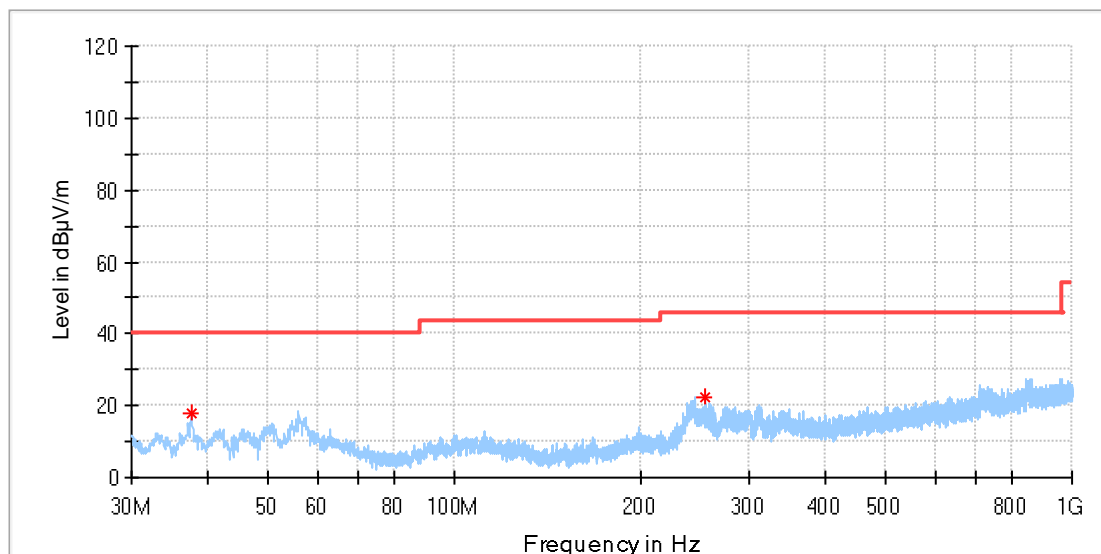
Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/)	Margin (dB)	Height (cm)	Azimuth (deg)	Corr. (dB/m)	Preamp (dB)	Trd Corr. (dB/m)
0.127843	61.67	105.46	43.79	100.0	331.0	20.0	0.0	20.0
0.382655	40.79	95.95	55.16	100.0	0.0	20.0	0.0	20.0
0.637258	33.29	71.52	38.24	100.0	359.0	20.0	0.0	20.0
13.560552	33.55	69.50	35.95	100.0	288.0	20.0	0.0	20.0

30MHz – 1GHz

EUT Information

EUT Name:	Car Wireless Charger
Model:	CHG-WIRELESS
Test Mode:	TX
Test Voltage::	DC 12V From DC Source
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.209
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

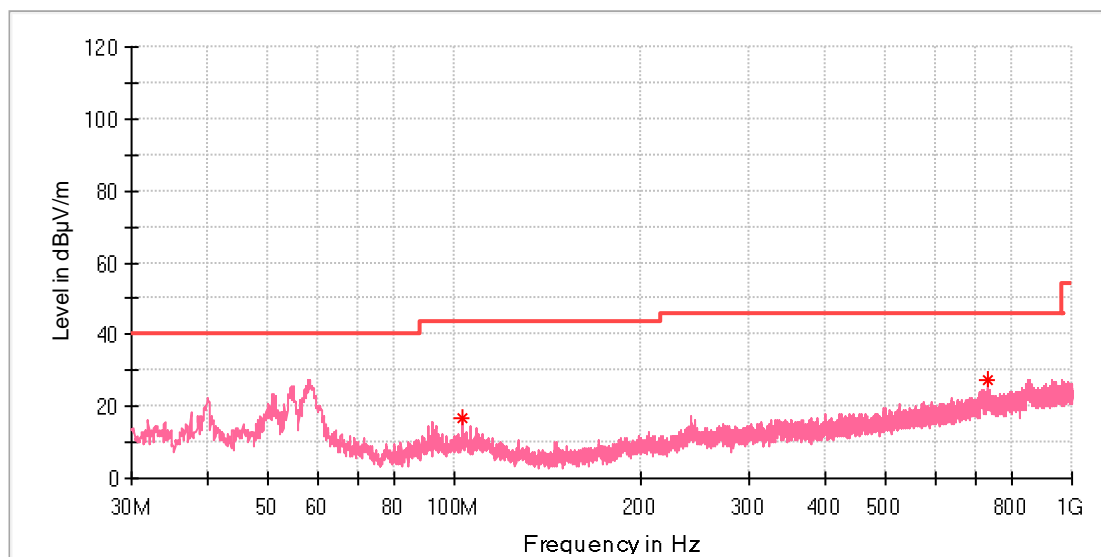


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
37.469000	17.99	---	40.00	22.01	100.0	H	235.0	-21.3
255.040000	22.31	---	46.00	23.69	100.0	H	264.0	-17.6

EUT Information

EUT Name:	Car Wireless Charger
Model:	CHG-WIRELESS
Test Mode:	TX
Test Voltage::	DC 12V From DC Source
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.209
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)
103.089500	16.63	---	43.50	26.87	100.0	V	359.0	-19.2
728.982000	27.24	---	46.00	18.76	100.0	V	159.0	-7.9

5.2 Transmitter Requirement & Test Suites, NFC

5.2.1 Emission within band

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

Test standard	:	FCC Part 15.225 (a), (b), (c) RSS-210 A2.6 (a), (b), (c)
Basic standard	:	ANSI C63.10: 2013
Limit	:	FCC Part 15.225 (a), (b), (c)
Kind of test site	:	Shielded Room

Test Setup

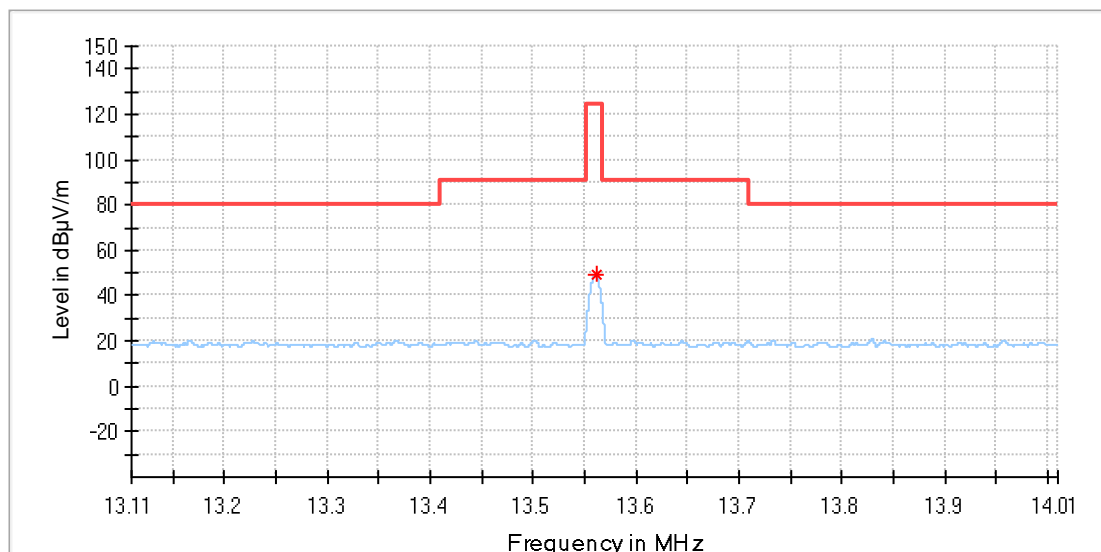
Date of testing	:	24.04.2020
Input voltage	:	DC 12V
Operation mode	:	B
Earthing	:	Not connected
Ambient temperature	:	24 °C
Relative humidity	:	45 %
Atmospheric pressure	:	101 kPa

Refer to following test plots for details of test result.

Minimum embedding depth: 1.5mm

EUT Information

EUT Name:	Car Wireless Charger
Model:	CHG-WIRELESS
Test Mode:	TX
Test Voltage::	DC 12V From DC Source
Remark:	Temp 24 Humi:45%
polarity	X
Test Standard:	FCC 15.225
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

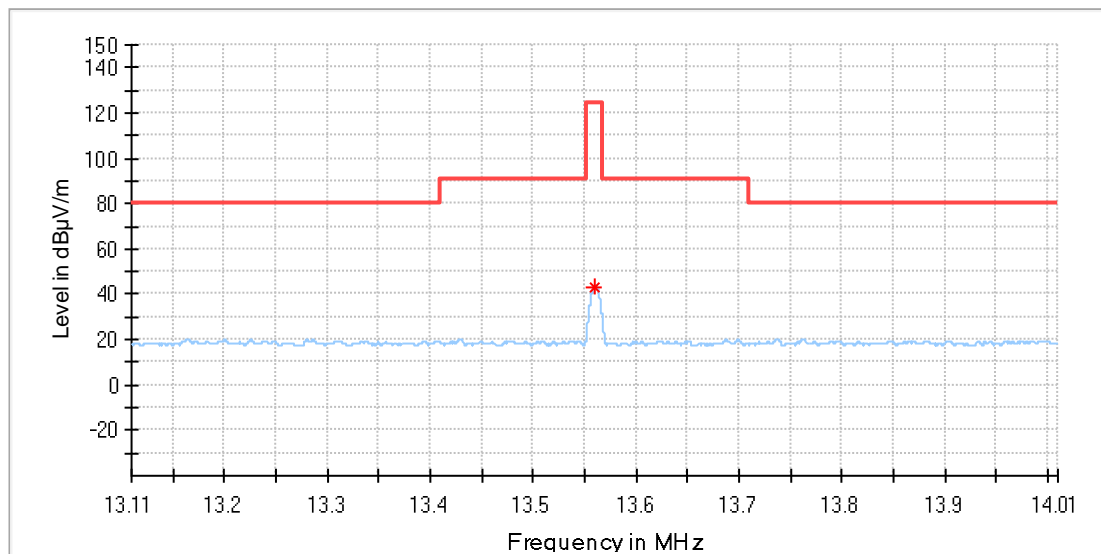
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Azimuth (deg)	Corr. (dB/m)	Preamp (dB)	Trd Corr. (dB/m)
13.561191	49.00	124.00	75.00	100.0	219.0	20.0	0.0	20.0

(continuation of the "Critical_Freqs" table from column 19 ...)

Frequency (MHz)	Raw Rec (dBµV)	Comment
13.561191	29.0	7:19:36 PM - 24/4/2020

EUT Information

EUT Name:	Car Wireless Charger
Model:	CHG-WIRELESS
Test Mode:	TX
Test Voltage::	DC 12V From DC Source
Remark:	Temp 24 Humi:45%
polarity	Y
Test Standard:	FCC 15.225
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

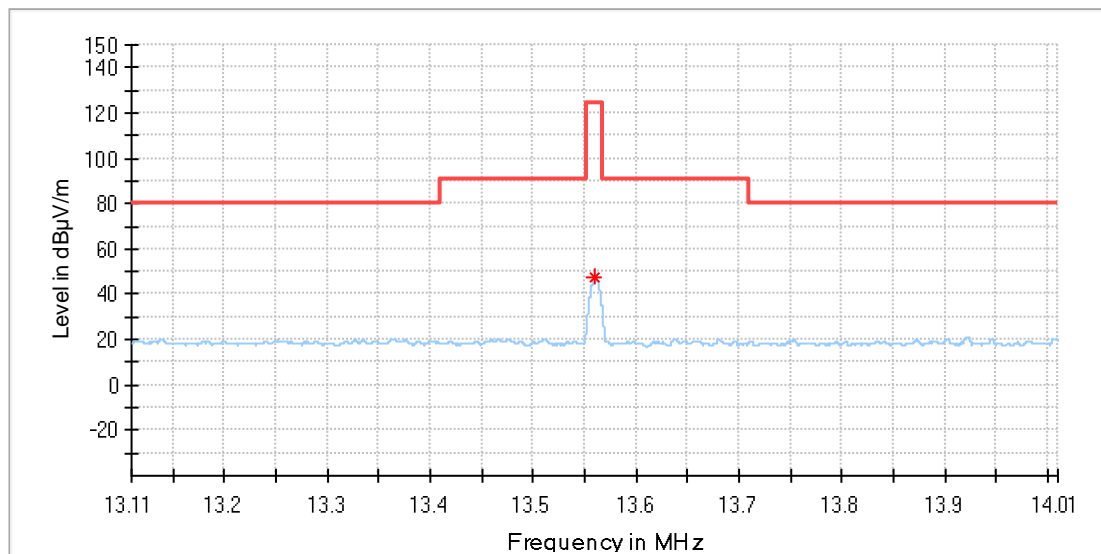
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Azimuth (deg)	Corr. (dB/m)	Preamp (dB)	Trd Corr. (dB/m)
13.559471	43.51	124.00	80.49	100.0	139.0	20.0	0.0	20.0

(continuation of the "Critical_Freqs" table from column 19 ...)

Frequency (MHz)	Raw Rec (dBµV)	Comment
13.559471	23.5	7:55:40 PM - 24/4/2020

EUT Information

EUT Name:	Car Wireless Charger
Model:	CHG-WIRELESS
Test Mode:	TX
Test Voltage::	DC 12V From DC Source
Remark:	Temp 24 Humi:45%
polarity	Z
Test Standard:	FCC 15.225
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Azimuth (deg)	Corr. (dB/m)	Preamp (dB)	Trd Corr. (dB/m)
13.559735	47.21	124.00	76.79	100.0	203.0	20.0	0.0	20.0

(continuation of the "Critical_Freqs" table from column 19 ...)

Frequency (MHz)	Raw Rec (dBµV)	Comment
13.559735	27.2	7:12:49 PM - 24/4/2020

5.2.2 Spurious Emission outside band

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

Test standard	:	FCC part 15.225 (d) RSS-210 A2.6 (d)
Basic standard	:	ANSI C63.10: 2013
Limit	:	FCC part 15.209(a)
Kind of test site	:	3m Semi-anechoic Chamber

Test Setup

Date of testing	:	24.04.2020
Input voltage	:	DC 12V
Operation mode	:	B
Earthing	:	Not connected
Ambient temperature	:	23 °C
Relative humidity	:	48 %
Atmospheric pressure	:	101 kPa

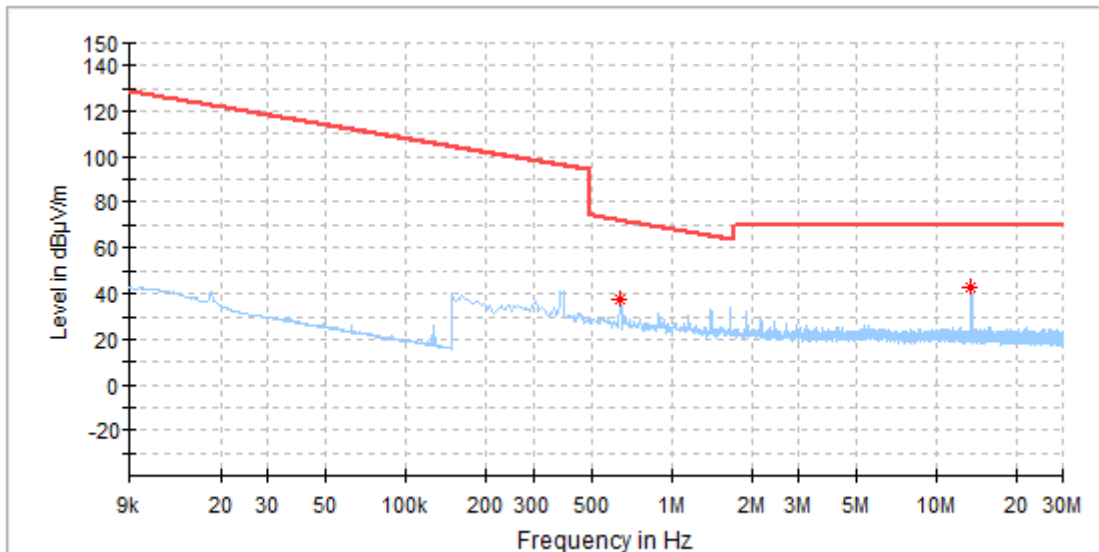
Refer to following test plots for details of test result.

Minimum embedding depth: 1.5mm

9KHz -30MHz

EUT Information

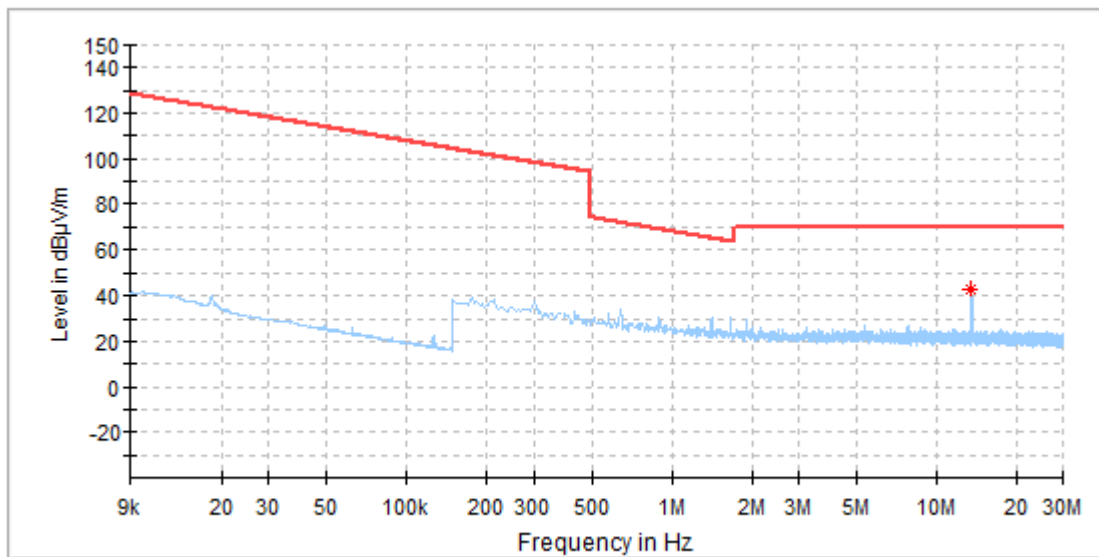
EUT Name:	Car Wireless Charger
Model:	CHG-WIRELESS
Test Mode:	TX
Test Voltage::	DC 12V From DC Source
Remark:	Temp 24 Humi:45%
polarity	X
Test Standard:	FCC 15.225
Tested By:	Kei Zhang
Reviewed By:	Terry Yin


Critical Freqs

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Preamp (dB)	Trd Corr. (dB/m)
0.637258	37.97	71.52	33.55	100.0	V	344.0	20.0	0.0	20.0
13.560552	42.99	69.50	26.51	100.0	V	272.0	20.0	0.0	20.0

EUT Information

EUT Name:	Car Wireless Charger
Model:	CHG-WIRELESS
Test Mode:	TX
Test Voltage::	DC 12V From DC Source
Remark:	Temp 24 Humi:45%
polarity	Y
Test Standard:	FCC 15.225
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

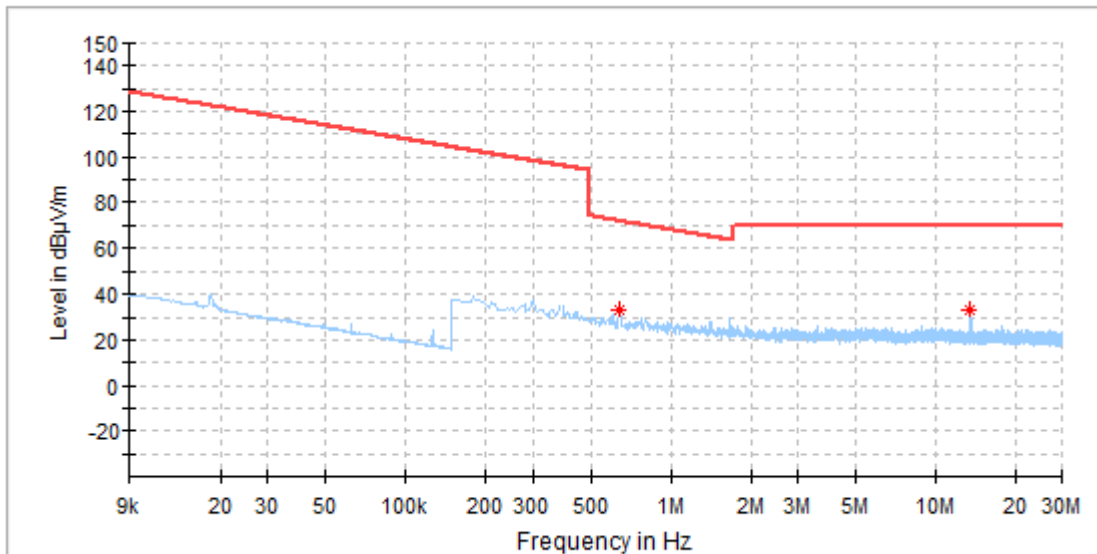


Critical_Freqs

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Preamp (dB)	Trd Corr. (dB/m)
13.560552	43.27	69.50	26.2	100.0	V	348.0	20.0	0.0	20.0

EUT Information

EUT Name:	Car Wireless Charger
Model:	CHG-WIRELESS
Test Mode:	TX
Test Voltage::	DC 12V From DC Source
Remark:	Temp 24 Humi:45%
polarity	Z
Test Standard:	FCC 15.225
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



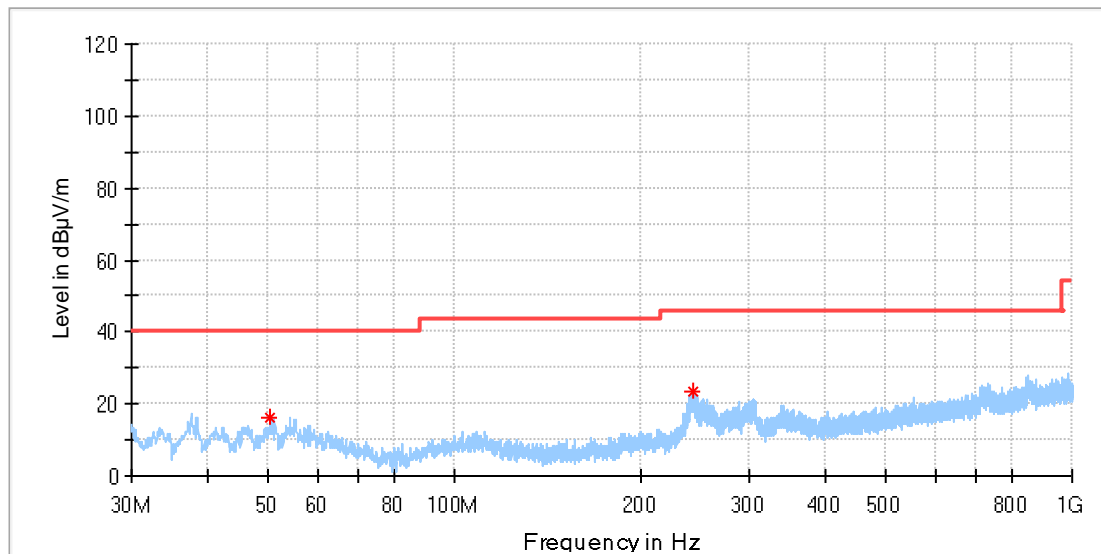
Critical Freqs

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Preamp (dB)	Trd Corr. (dB/m)
0.637258	33.29	71.52	38.24	100.0	V	359.0	20.0	0.0	20.0
13.560552	33.55	69.50	35.95	100.0	V	288.0	20.0	0.0	20.0

30MHz – 1GHz

EUT Information

EUT Name:	Car Wireless Charger
Model:	CHG-WIRELESS
Test Mode:	TX
Test Voltage::	DC 12V From DC Source
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.225
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

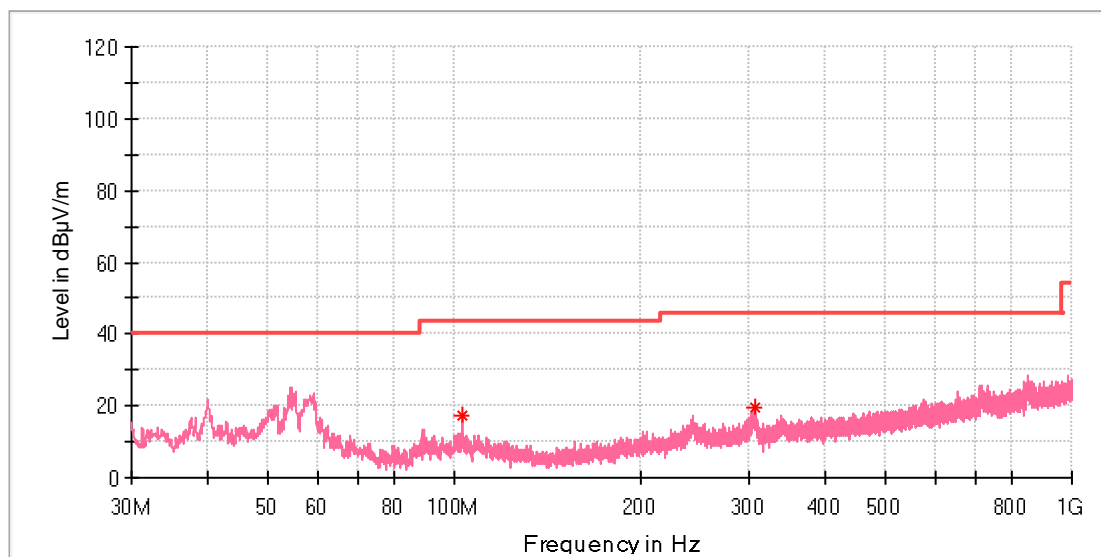


Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
50.418500	15.97	---	40.00	24.03	100.0	H	245.0	-18.6
244.224500	23.36	---	46.00	22.64	100.0	H	265.0	-17.9

EUT Information

EUT Name:	Car Wireless Charger
Model:	CHG-WIRELESS
Test Mode:	TX
Test Voltage::	DC 12V From DC Source
Remark:	Temp 24 Humi:45%
Test Standard:	FCC 15.225
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)
103.089500	17.03	---	43.50	26.47	100.0	V	0.0	-19.2
305.965000	19.28	---	46.00	26.72	100.0	V	123.0	-16.5

5.2.4 99% Bandwidth

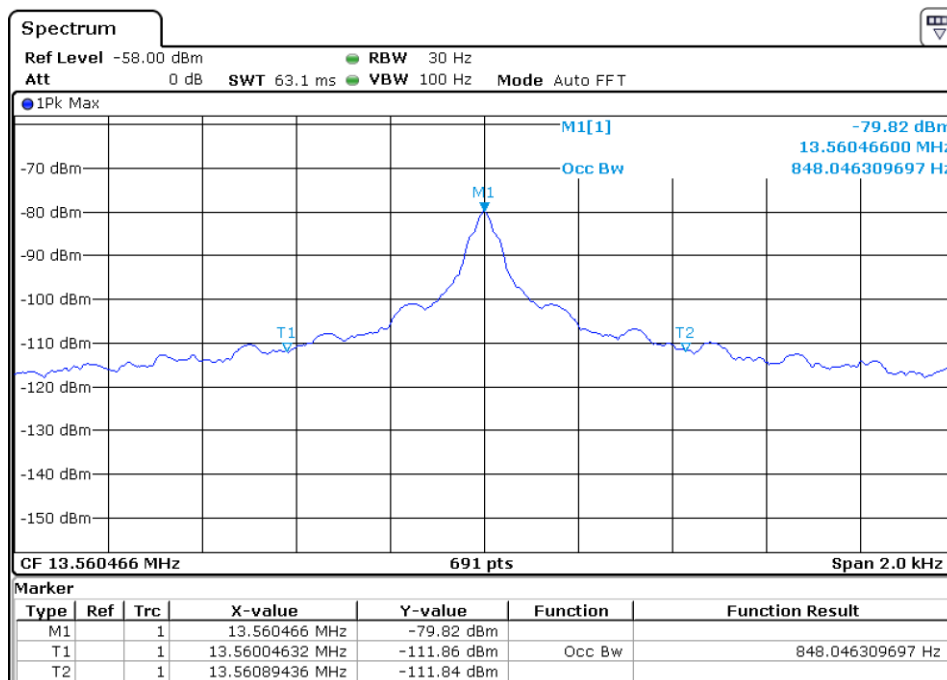
RESULT:
Pass
Test Specification

Test standard : RSS-Gen Clause 6.7
 Basic standard : ANSI C63.10: 2013
 Kind of test site : Shielded Room

Test Setup

Date of testing : 26.04.2020
 Input voltage : DC 12V
 Operation mode : A
 Ambient temperature : 25 °C
 Relative humidity : 56 %
 Atmospheric pressure : 101 kPa

For details refer to following test result.



5.2.5 20dB Bandwidth

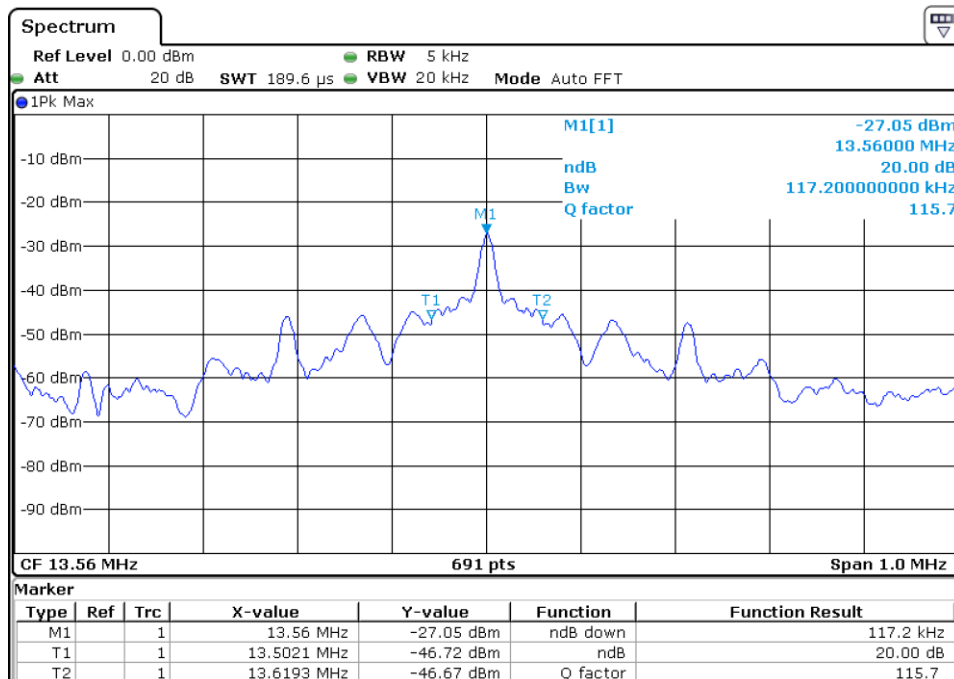
RESULT:
Pass
Test Specification

Test standard : FCC part 15.215
 Basic standard : ANSI C63.10: 2013
 Kind of test site : Shielded Room

Test Setup

Date of testing : 26.04.2020
 Input voltage : DC 12V
 Operation mode : A
 Ambient temperature : 25 °C
 Relative humidity : 56 %
 Atmospheric pressure : 101 kPa

For details refer to following test result.



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