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TEST REPORT

Report No.: CHTEW2201002302

Report Verification:

Project No...... SHT2111081301EW

FCC ID.....: BBOSC201

Applicant's name.....: COBRA ELECTRONICS CORPORATION

Manufacturer...... COBRA ELECTRONICS CORPORATION

Test item description: Cobra SC 201

Trade Mark Cobra

Model/Type reference SC201

Listed Model(s) -

Standard: FCC CFR Title 47 Part 15 Subpart C Section 15.247

Date of receipt of test sample........... Nov.29, 2021

Date of testing...... Nov.29, 2021- Jan.21, 2022

Date of issue...... Jan.24, 2022

Result.....: PASS

Compiled by

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the Wei

Supervised by

(Position+Printed name+Signature): Project Engineer Kiki Kong

1.4....

Approved by

(Position+Printed name+Signature): RF Manager Hans Hu

Testing Laboratory Name: Shenzhen Huatongwei International Inspection Co., Ltd.

Tianliao, Gongming, Shenzhen, China

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The test report merely correspond to the test sample.

Report No.: CHTEW2201002302 Page: 2 of 26 Issued: 2022-01-24

Contents

<u>1.</u>	TEST STANDARDS AND REPORT VERSION	3
1.1. 1.2.	Test Standards Report version	3 3
<u>2.</u>	TEST DESCRIPTION	4
<u>3.</u>	SUMMARY	5
3.1.	Client Information	5
3.2.	Product Description	5
3.3. 3.4.	Radio Specification Description Testing Laboratory Information	5 6
<u>4.</u>	TEST CONFIGURATION	7
4.1.	Test frequency list	7
4.2.	Descriptions of Test mode	7
4.3.	Test mode	7
4.4.	Support unit used in test configuration and system	8
4.5.	Testing environmental condition	8
4.6.	Measurement uncertainty	8
4.7.	Equipment Used during the Test	9
<u>5.</u>	TEST CONDITIONS AND RESULTS	11
5.1.	Antenna Requirement	11
5.2.	Peak Output Power	12
5.3.	AC Conducted Emission	17
5.4.	Radiated Band edge Emission	20
5.5.	Radiated Spurious Emission	22

Report No.: CHTEW2201002302 Page: 3 of 26 Issued: 2022-01-24

1. TEST STANDARDS AND REPORT VERSION

1.1. Test Standards

The tests were performed according to following standards:

- FCC Rules Part 15.247: Frequency Hopping, Direct Spread Spectrum and Hybrid Systems that are in operation within the bands of 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz
- ANSI C63.10:2013: American National Standard for Testing Unlicensed Wireless Devices
- KDB 558074 D01 15.247 Meas Guidance v05r02: Guidance for Compliance Measurements on Digital Transmission System, Frequency Hopping Spread Spectrum System, and Hybrid System Devices Operating under Section 15.247 of The FCC Rules

1.2. Report version

Revision No.	Date of issue	Description
N/A	2022-01-24	Change the chip and Bluetooth version, and update Software version, update AC Conducted Emission, Radiated Band edge Emission, Radiated Spurious Emission and test setup photos based on the report CHTEW20060040(2020-06-08)

Report No.: CHTEW2201002302 Page: 4 of 26 Issued: 2022-01-24

2. TEST DESCRIPTION

Report clause	Test Items	Standard Requirement	Result
5.1	Antenna Requirement	15.203/15.247 (c)	PASS
5.2	AC Conducted Emission	15.207	PASS
5.3	Peak Output Power	15.247 (b)(1)	PASS ^{* 2}
5.4	20 dB Bandwidth	15.247 (a)(1)	PASS ^{* 2}
5.5	99% Occupied Bandwidth	-	PASS ^{*1} , PASS ^{*2}
5.6	Carrier Frequency Separation	15.247 (a)(1)	PASS ^{* 2}
5.7	Hopping Channel Number	15.247 (a)(1)	PASS ^{* 2}
5.8	Dwell Time	15.247 (a)(1)	PASS ^{* 2}
5.9	Duty Cycle Correction Factor	-	PASS ^{*1} , PASS ^{*2}
5.10	Pseudorandom Frequency Hopping Sequence	15.247(b)(4)	PASS ^{* 2}
5.11	Conducted Band Edge and Spurious Emission	15.247(d)/15.205	PASS ^{* 2}
5.12	Radiated Band Edge Emission	15.205/15.209	PASS
5.13	Radiated Spurious Emission	15.247(d)/15.205/15.209	PASS

Note:

- The measurement uncertainty is not included in the test result.
- *1: No requirement on standard, only report these test data.
- * 2:EUT which had been certified by telefication and the report No. is CHTEW20060040 tested by Shenzhen Huatongwei International Inspection Co., Ltd.. So except the "AC Conducted Emission, Radiated Band edge Emission, Radiated Spurious Emission" was retested, all other items please refer to report CHTEW20060040.

Report No.: CHTEW2201002302 Page: 5 of 26 Issued: 2022-01-24

3. **SUMMARY**

3.1. Client Information

Applicant:	COBRA ELECTRONICS CORPORATION
Address:	6500 WEST CORTLAND STREET, CHICAGO, IL 60707 USA
Manufacturer:	COBRA ELECTRONICS CORPORATION
Address:	6500 WEST CORTLAND STREET, CHICAGO, IL 60707 USA

3.2. Product Description

Name of EUT:	Cobra SC 201
Trade Mark:	Cobra
Model No.:	SC201
Listed Model(s):	-
Power supply:	DC 5V
Hardware version:	90100D1330001
Software version:	COBRA SC-201 V1.48

3.3. Radio Specification Description

Bluetooth version:	V5.0
Support function*3:	EDR
Modulation:	GFSK, π/4DQPSK, 8DPSK
Operation frequency:	2402MHz~2480MHz
Channel number:	79
Channel separation:	1MHz
Antenna type:	FPC
Antenna gain:	2.40dBi

Note:

^{*3:} only show the RF function associated with this report.

Report No.: CHTEW2201002302 Page: 6 of 26 Issued: 2022-01-24

3.4. Testing Laboratory Information

Laboratory Name	Shenzhen Huatongwei International Inspection Co., Ltd.		
Laboratory Location	1/F, Bldg 3, Hongfa Hi-tech Industrial Park, Genyu Road, Tianliao, Gongming, Shenzhen, China		
Connect information:	Phone: 86-755-26715499 E-mail: cs@szhtw.com.cn http://www.szhtw.com.cn		
Qualifications	Type Accreditation Number		
Qualifications	FCC	762235	

Report No.: CHTEW2201002302 Page: 7 of 26 Issued: 2022-01-24

4. TEST CONFIGURATION

4.1. Test frequency list

According to section 15.31(m), regards to the operating frequency range over 10 MHz, must select three channels which were tested. The Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, please see the below blue front.

Channel	Frequency (MHz)
00	2402
01	2403
÷	:
39	2441
i	÷
77	2479
78	2480

4.2. Descriptions of Test mode

Preliminary tests were performed in different data rates and recorded the RF output power in the clause 5.3

Note:

- 1) The manufacturer declare that the maximum power value of the product is set as a default value in the enter test mode software.
- 2) All the test data for each data rate were verified, found GFSK Modulation which is worse case mode

4.3. Test mode

For RF test items:				
The engineering test program was provided and enabled to make EUT continuous transmitting.				
		Modulation / Data Rate	tion / Data Rate	
Test Item	GFSK 1Mbps	π/4DQPSK 2Mbps	8DPSK 3Mbps	
Conducted test item	✓	✓	✓	
Radiated test item	✓	-	-	

Remark:

- For radiated test item, the worst mode data rate 1Mbps was reported only, because this data rate has
 the highest RF output power at preliminary tests.
- The EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

Report No.: CHTEW2201002302 Page: 8 of 26 Issued: 2022-01-24

4.4. Support unit used in test configuration and system

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

The following peripheral devices and interface cables were connected during the measurement:

Wheth	Whether support unit is used?				
✓	✓ No				
Item	Equipement	Trade Name	Model No.	FCC ID	Power cord
1					
2					

4.5. Testing environmental condition

Туре	Requirement	Actual
Temperature:	15~35°C	25°C
Relative Humidity:	25~75%	50%
Air Pressure:	860~1060mbar	1000mbar

4.6. Measurement uncertainty

Test Item	Measurement Uncertainty
AC Conducted Emission (150kHz~30MHz)	3.02 dB
Radiated Emission (30MHz~1000MHz	4.90 dB
Radiated Emissions (1GHz~25GHz)	4.96 dB
Peak Output Power	0.51 dB
Power Spectral Density	0.51 dB
Conducted Spurious Emission	0.51 dB
6dB Bandwidth	70 Hz

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.

Report No.: CHTEW2201002302 Page: 9 of 26 Issued: 2022-01-24

4.7. Equipment Used during the Test

•	Conducted Emission											
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)					
•	Shielded Room	Albatross projects	HTWE0114	N/A	N/A	2018/09/28	2023/09/27					
•	EMI Test Receiver	R&S	HTWE0111	ESCI	101247	2021/9/14	2022/9/13					
•	Artificial Mains	SCHWARZBECK	HTWE0113	NNLK 8121	573	2021/9/17	2022/9/16					
•	Pulse Limiter	R&S	HTWE0033	ESH3-Z2	100499	2021/9/13	2022/9/12					
•	RF Connection Cable	HUBER+SUHNER	HTWE0113-02	ENVIROFLE X_142	EF-NM- BNCM-2M	2021/9/17	2022/9/16					
•	Test Software	R&S	N/A	ES-K1	N/A	N/A	N/A					

•	Radiated emission-6th test site										
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)				
•	Semi-Anechoic Chamber	Albatross projects	HTWE0127	SAC-3m-02	C11121	2018/09/30	2022/09/29				
•	EMI Test Receiver	R&S	HTWE0099	ESCI	100900	2021/9/14	2022/9/13				
•	Loop Antenna	R&S	HTWE0170	HFH2-Z2	100020	2021/04/06	2022/04/05				
•	Ultra-Broadband Antenna	SCHWARZBECK	HTWE0123	VULB9163	538	2021/04/06	2022/04/05				
•	Pre-Amplifer	SCHWARZBECK	HTWE0295	BBV 9742	N/A	2021/11/5	2022/11/4				
•	RF Connection Cable	HUBER+SUHNER	HTWE0062-01	N/A	N/A	2021/02/26	2022/02/25				
•	RF Connection Cable	HUBER+SUHNER	HTWE0062-02	SUCOFLEX104	501184/4	2021/02/26	2022/02/25				
•	Test Software	R&S	N/A	ES-K1	N/A	N/A	N/A				

•	Radiated em	ission-7th test s	ite				
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
•	Semi-Anechoic Chamber	Albatross projects	HTWE0122	SAC-3m-01	N/A	2018/09/27	2022/09/26
•	Spectrum Analyzer	R&S	HTWE0098	FSP40	100597	2021/9/13	2022/9/12
•	Horn Antenna	SCHWARZBECK	HTWE0126	9120D	1011	2020/04/01	2023/03/31
•	Broadband Horn Antenna	SCHWARZBECK	HTWE0103	BBHA9170	BBHA9170472	2020/4/27	2023/4/27
•	Pre-amplifier	CD	HTWE0071	PAP-0102	12004	2021/11/5	2022/11/4
•	Broadband Pre- amplifier	SCHWARZBECK	HTWE0201	BBV 9718	9718-248	2021/03/05	2022/03/04
•	RF Connection Cable	HUBER+SUHNER	HTWE0120-01	6m 18GHz S Serisa	N/A	2021/02/26	2022/02/25
•	RF Connection Cable	HUBER+SUHNER	HTWE0120-02	6m 3GHz RG Serisa	N/A	2021/02/26	2022/02/25
•	RF Connection Cable	HUBER+SUHNER	HTWE0119-05	6m 3GHz RG Serisa	N/A	2021/02/26	2022/02/25
•	RF Connection Cable	HUBER+SUHNER	HTWE0120-04	6m 3GHz RG Serisa	N/A	2021/02/26	2022/02/25
•	RF Connection Cable	HUBER+SUHNER	HTWE0121-01	6m 18GHz S Serisa	N/A	2021/02/26	2022/02/25
•	Test Software	Audix	N/A	E3	N/A	N/A	N/A

Report No.: CHTEW2201002302 Page: 10 of 26 Issued: 2022-01-24

•	RF Conducted Method					
Used	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
•	Signal and spectrum Analyzer	R&S	FSV40	100048	2019/10/26	2020/10/25
•	Spectrum Analyzer	Agilent	N9020A	MY50510187	2019/10/26	2020/10/25
0	Power Meter	Anritsu	ML249A	N/A	2019/10/26	2020/10/25
0	Radio communication tester	R&S	CMW500	137688-Lv	2019/10/26	2020/10/25

Report No.: CHTEW2201002302 Page: 11 of 26 Issued: 2022-01-24

5. TEST CONDITIONS AND RESULTS

5.1. Antenna Requirement

Requirement

FCC CFR Title 47 Part 15 Subpart C Section 15.203:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responseble 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, 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.

FCC CFR Title 47 Part 15 Subpart C Section 15.247(c) (1)(i):

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6 dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

TEST RESULT

⊠ Passed	☐ Not Applicable
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The antenna type is a FPC antenna, the directional gain of the antenna less than 6 dBi, please refer to the below antenna photo.



Report No.: CHTEW2201002302 Page: 12 of 26 Issued: 2022-01-24

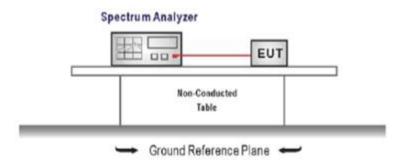
5.2. Peak Output Power

LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (b)(1):

For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts.

TEST CONFIGURATION



TEST PROCEDURE

- 1. The transmitter output was connected to the spectrum analyzer through an attenuator, the pathloss was compensated to the results for each measurement.
- 2. Set to the maximum power setting and enable the EUT transmit continuously
- 3. Use the following spectrum analyzer settings: Span = approximately 5 times the 20 dB bandwidth, centered on a hopping channel RBW≥ the 20 dB bandwidth of the emission being measured, VBW≥RBW Sweep = auto, Detector function = peak, Trace = max hold
- 4. Measure and record the results in the test report.

TEST MODE:

Please refer to the clause 4.3

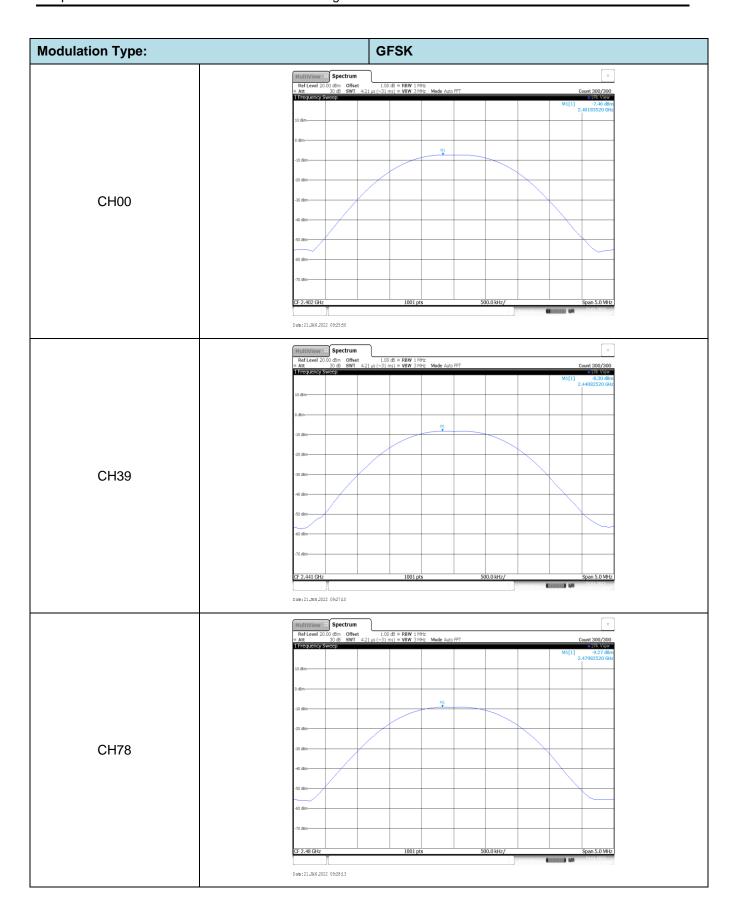
TEST RESULT

 Report No.: CHTEW2201002302 Page: 13 of 26 Issued: 2022-01-24

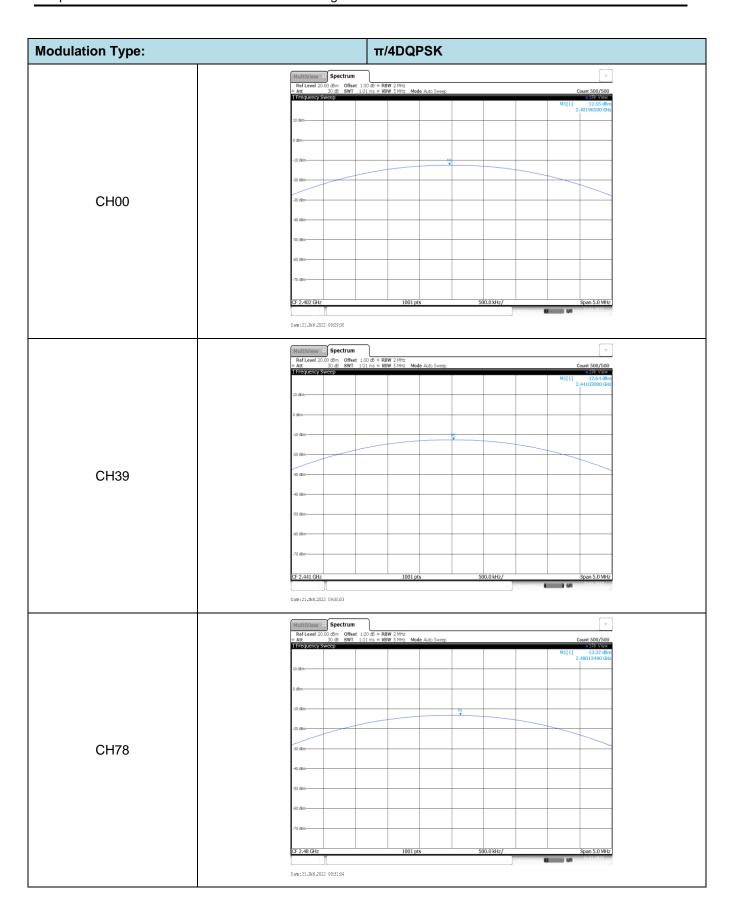
TEST Data

Modulation type	Channel	Peak Output power (dBm)	Average Output power (dBm)	Limit (dBm)	Result
	00	-7.46	-7.96		
GFSK	39	-8.30	-8.78	≤ 30.00	Pass
	78	-9.27	-9.89		
	00	-12.55	-13.16		
π/4DQPSK	39	-12.64	-13.47	≤ 21.00	Pass
	78	-13.32	-14.31		
	00	-11.82	-12.52		
8DPSK	39	-12.43	-12.81	≤ 21.00	Pass
	78	-13.36	-14.47		

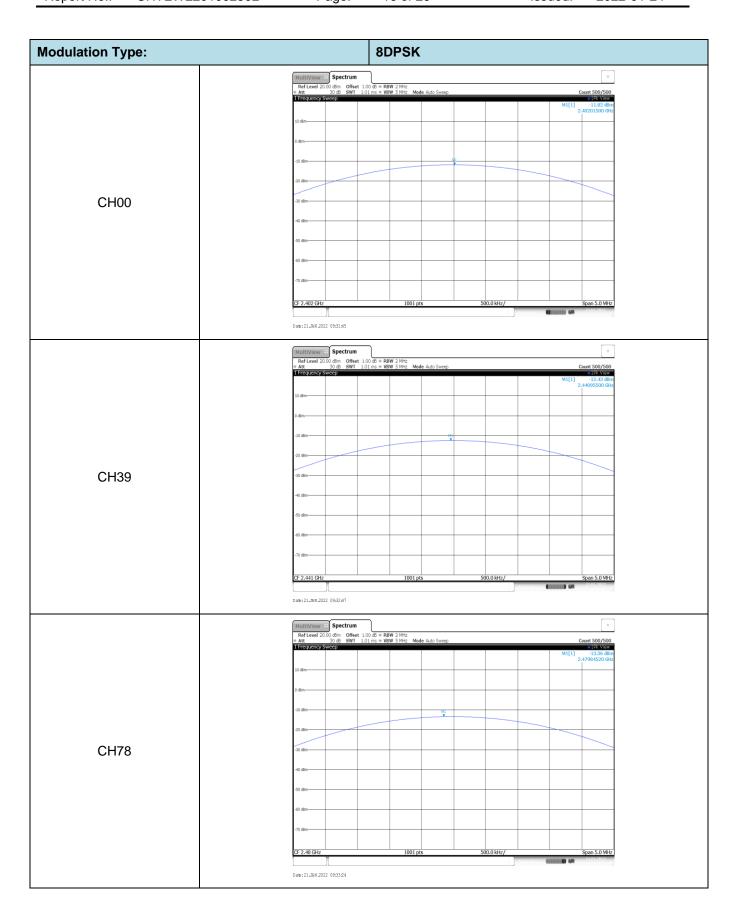
Report No.: CHTEW2201002302 Page: 14 of 26 Issued: 2022-01-24



Report No.: CHTEW2201002302 Page: 15 of 26 Issued: 2022-01-24



Report No.: CHTEW2201002302 Page: 16 of 26 Issued: 2022-01-24



Report No.: CHTEW2201002302 Page: 17 of 26 Issued: 2022-01-24

5.3. AC Conducted Emission

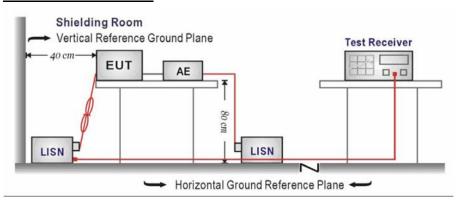
LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.207

Fragues ov range (MHz)	Limit (d	BuV)
Frequency range (MHz)	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

^{*} Decreases with the logarithm of the frequency.

TEST CONFIGURATION



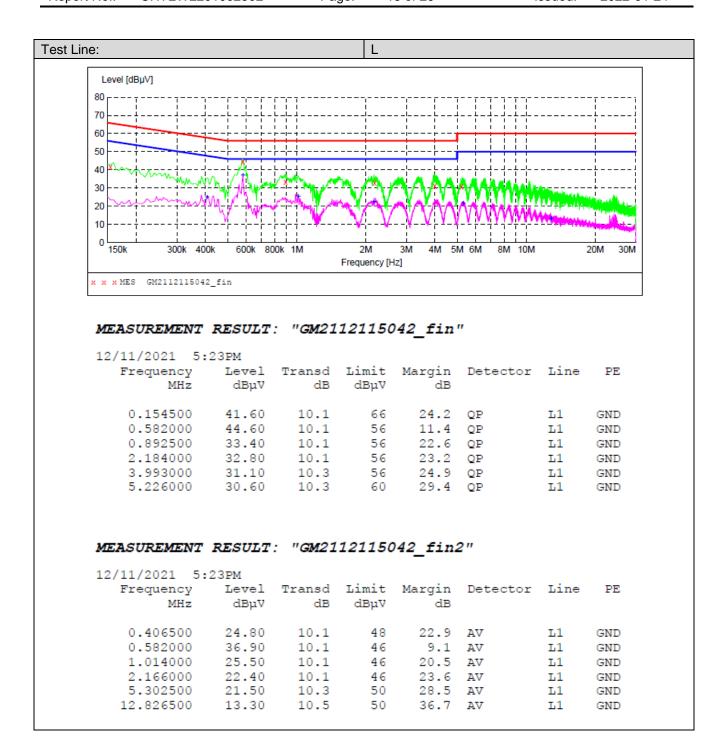
TEST PROCEDURE

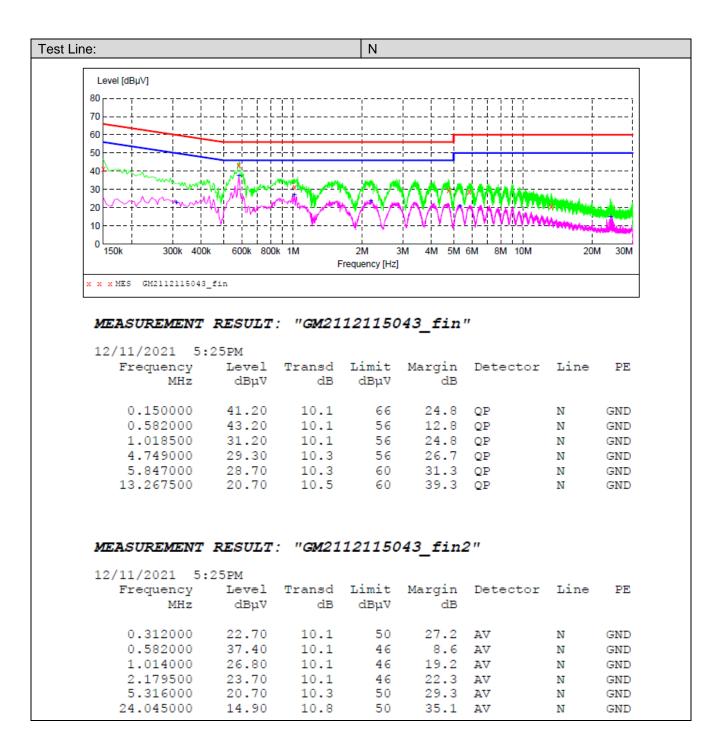
- 1. The EUT was setup according to ANSI C63.10 requirements.
- 2. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface.
- The EUT and simulators are connected to the main power through a line impedances stabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for the measuring equipment.
- 4. The peripheral devices are also connected to the main power through a LISN. (Please refer to the block diagram of the test setup and photographs)
- 5. Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor, was individually connected through a LISN to the input power source.
- 6. The excess length of the power cord between the EUT and the LISN receptacle were folded back and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
- 7. Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHz using a receiver bandwidth of 9 kHz.
- 8. During the above scans, the emissions were maximized by cable manipulation.

TEST MODE:

Please refer to the clause 4.3

TEST RESULT





Report No.: CHTEW2201002302 Page: 20 of 26 Issued: 2022-01-24

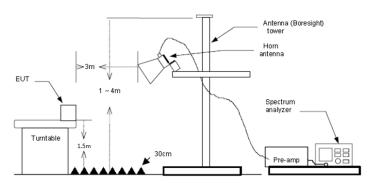
5.4. Radiated Band edge Emission

LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (d):

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, Radiated Emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the Radiated Emissions limits specified in §15.209(a) (see §15.205(c)).

TEST CONFIGURATION



TEST PROCEDURE

- 1. The EUT was setup and tested according to ANSI C63.10.
- 2. The EUT is placed on a turn table which is 1.5 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
- 3. The EUT waspositioned such that the distance from antenna to the EUT was 3 meters.
- 4. The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. Thisis repeated for both horizontal and vertical polarization of the antenna. In order to find themaximum emission, all of the interface cables were manipulated according to ANSI C63.10 on radiated measurement.
- 5. Use the following spectrum analyzer settings:
 - a) Span shall wide enough to fully capture the emission being measured
 - b) Set RBW=100kHz for <1GHz, VBW=3*RBW, Sweep time=auto, Detector=peak, Trace=max hold
 - c) Set RBW=1MHz, VBW=3MHz for >1GHz, Sweep time=auto, Detector=peak, Trace=max hold for Peak measurement

For average measurement: use duty cycle correction factor method (DCCF)

Averager level = Peak level + DCCF

TEST MODE:

Please refer to the clause 4.3

TEST RESULT

Note:

- 1) Level= Reading + Factor; Factor = Antenna Factor + Cable Loss Preamp Factor
- 2) Over Limit = Level Limit
- Average measurement was not performed if peak level is lower than average limit(54 dBuV/m).

Report No.: CHTEW2201002302 Page: 21 of 26 Issued: 2022-01-24

Test channel		CH00			Polarity			Horizonta	l
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2310.00	39.68	27.96	5.43	37.56	35.51	74.00	-38.49	Peak
2	2390.03	39.54	27.72	5.53	37.45	35.34	74.00	-38.66	Peak
Test channel		CH00			Polarity		,	Vertical	
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/n	Over limit	Remark
1	2310.00	39.60	27.96	5.43	37.56	35.43	74.00	-38.57	Peak
2	2390.03	43.53	27.72	5.53	37.45	39.33	74.00	-34.67	Peak

Test channel		CH78			Polarity		ŀ	Horizonta	I
Mark 1 2	Frequency MHz 2483.50 2500.00	Reading dBuV/m 39.48 39.10	Antenna dB 27.43 27.40	Cable dB 5.64 5.66	Preamp dB 37.26 37.26	Level dBuV/m 35.29 34.90	Limit dBuV/m 74.00 74.00	Over limit -38.71 -39.10	Remark Peak Peak
Test channel		CH78			Polarity		١	/ertical	
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2483.50	39.07	27.43	5.64	37.26	34.88	74.00	-39.12	Peak
2	2500.00	38.71	27.40	5.66	37.26	34.51	74.00	-39.49	Peak

Report No.: CHTEW2201002302 Page: 22 of 26 Issued: 2022-01-24

5.5. Radiated Spurious Emission

LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.209

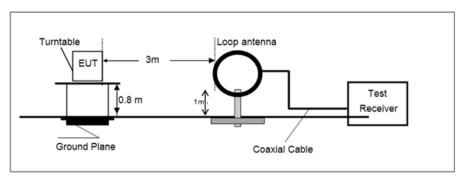
Frequency	Limit (dBuV/m)	Value
0.009 MHz ~0.49 MHz	2400/F(kHz) @300m	Quasi-peak
0.49 MHz ~ 1.705 MHz	24000/F(kHz) @30m	Quasi-peak
1.705 MHz ~30 MHz	30 @30m	Quasi-peak

Note: Limit dBuV/m @3m = Limit dBuV/m @300m + 40*log(300/3) = Limit dBuV/m @300m +80, Limit dBuV/m @3m = Limit dBuV/m @30m +40*log(30/3) = Limit dBuV/m @30m + 40.

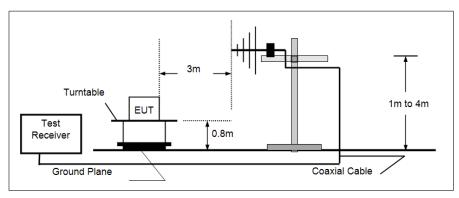
Frequency	Limit (dBuV/m @3m)	Value
30MHz~88MHz	40.00	Quasi-peak
88MHz~216MHz	43.50	Quasi-peak
216MHz~960MHz	46.00	Quasi-peak
960MHz~1GHz	54.00	Quasi-peak
Above 1GHz	54.00	Average
Above IGHZ	74.00	Peak

TEST CONFIGURATION

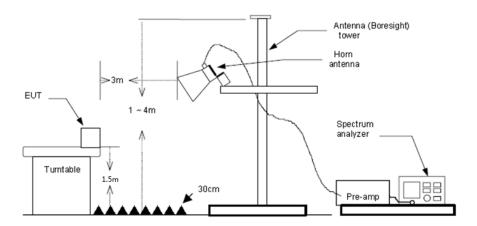
→ 9 kHz ~ 30 MHz



> 30 MHz ~ 1 GHz



Above 1 GHz



TEST PROCEDURE

- 1. The EUT was setup and tested according to ANSI C63.10.
- 2. The EUT is placed on a turn table which is 0.8 meter above ground for below 1 GHz, and 1.5 m for above 1 GHz. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
- 3. The EUT was set 3 meters from the receiving antenna, which was mounted on the top of a variable height antenna tower.
- 4. For each suspected emission, the EUT was arranged to its worst case and then tune the Antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level to comply with the guidelines.
- 5. Set to the maximum power setting and enable the EUT transmit continuously.
- 6. Use the following spectrum analyzer settings
 - a) Span shall wide enough to fully capture the emission being measured;
 - b) Below 1 GHz:

RBW=120 kHz, VBW=300 kHz, Sweep=auto, Detector function=peak, Trace=max hold; If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

c) Set RBW=1MHz, VBW=3MHz for >1GHz, Sweep time=auto, Detector=peak, Trace=max hold for Peak measurement

For average measurement: use duty cycle correction factor method (DCCF) Averager level = Peak level + DCCF

TEST MODE:

Please refer to the clause 4.3

TEST RESULT

Note:

- 1) Above 1GHz Final Level = Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2) Over Limit = Level Limit
- Average measurement was not performed if peak level is lower than average limit(54 dBuV/m) for above 1GHz.

Report No.: CHTEW2201002302 Page: 24 of 26 Issued: 2022-01-24

TEST DATA FOR 9 kHz ~ 30 MHz

The EUT was pre-scanned this frequency band, found the radiated level 20dB lower than the limit, so don't show data on this report.

TEST DATA FOR 30 MHz ~ 1000 MHz

Have pre-scan all test channel, found CH39 which it was worst case, so only show the worst case's data on this report.

Report No.: CHTEW2201002302 Page: 25 of 26 Issued: 2022-01-24

Polarization: Horizontal Level [dBµV/m] 80 50 40 30 20 10 30M 40M 50M 60M 70M 100M 200M 300M 400M 500M 600M 800M 1G Frequency [Hz] x x x MES GM2112156008_red MEASUREMENT RESULT: "GM2112156008 red" 12/15/2021 9:53AM Frequency Level Transd Limit Margin Det. Height Azimuth Polarization MHz dBuV/m dB dBuV/m dB cm deg 100.0 258.00 HORIZONTAL 34.00 -12.4 179.380000 43.5 9.5 QP 36.60 -6.0 37.10 1.3 359.800000 46.0 9.4 QP 100.0 343.00 HORIZONTAL 100.0 220.00 HORIZONTAL 612.000000 46.0 8.9 QP 3.0 4 39.80 42.40 0.00 HORIZONTAL 360.00 HORIZONTAL 720.640000 46.0 6.2 QP 100.0 100.0 792.420000 46.0 3.6 OP 937.920000 42.10 7.3 46.0 3.9 QP 100.0 353.00 HORIZONTAL Polarization: Vertical Level [dBµV/m] 80 70 60 40 30 10 30M 40M 50M 60M 70M 100M 200M 300M 400M 500M 600M 800M 1G Frequency [Hz] x x x MES GM2112156007_red MEASUREMENT RESULT: "GM2112156007 red" 12/15/2021 9:49AM Frequency Level Transd Limit Margin Det. Height Azimuth Polarization MHz dBuV/m dB dBuV/m dB cm deg 33.30 -12.4 76.00 VERTICAL 100.0 179.380000 43.5 10.2 QP 6.8 QP 9.9 QP 124.00 216.240000 39.20 -10.6 46.0 100.0 VERTICAL 36.10 1.3 1.6 3.0 87.00 VERTICAL 612.000000 46.0 100.0 10.3 QP 9.7 QP 648.860000 35.70 46.0 100.0 87.00 VERTICAL 100.0 720.640000 305.00 36.30 VERTICAL 46.0 4.7 9.9 QP 792.420000 36.10 46.0 100.0 305.00 VERTICAL

Report No.: CHTEW2201002302 Page: 26 of 26 Issued: 2022-01-24

TEST DATA FOR 1 GHz ~ 25 GHz

Test channel		CH00			Polarit	Polarity			tal
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	1534.89	57.59	25.62	4.37	36.96	50.62	74.00	-23.38	Peak
2	2127.07	47.13	27.43	5.19	37.31	42.44	74.00	-31.56	Peak
3	4981.67	38.32	31.75	8.80	35.21	43.66	74.00	-30.34	Peak
4	9863.45	32.37	39.50	11.76	36.68	46.95	74.00	-27.05	Peak
Test channel		CH00			Polarit	у		Vertical	
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	1534.89	55.01	25.62	4.37	36.96	48.04	74.00	-25.96	Peak
2	2129.41	49.54	27.45	5.20	37.32	44.87	74.00	-29.13	Peak
3	4996.14	41.88	31.87	8.81	35.24	47.32	74.00	-26.68	Peak
4	8109.62	31.30	37.16	11.23	33.34	46.35	74.00	-27.65	Peak

est channel		CH39			Polarity			Horizontal	
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	1534.89	57.59	25.62	4.37	36.96	50.62	74.00	-23.38	Peak
2	2127.07	47.13	27.43	5.19	37.31	42.44	74.00	-31.56	Peak
3	4988.90	38.08	31.81	8.80	35.23	43.46	74.00	-30.54	Peak
4	8051.03	32.23	37.20	11.04	33.32	47.15	74.00	-26.85	Peak
est channel		CH39			Polarity			Vertical	
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
	1534.89	55.01	25.62	4.37	36.96	48.04	74.00	-25.96	Peak
1			27.45	5.20	37.32	44.87	74.00	-29.13	Peak
2	2129.41	49.54	2/.45	3.20					
_	2129.41 4981.67	49.54 44.90	31.75	8.80	35.21	50.24	74.00	-23.76	Peak

Test channel		CH78			Polarity			Horizontal	
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	1534.89	57.59	25.62	4.37	36.96	50.62	74.00	-23.38	Peak
2	2127.07	47.13	27.43	5.19	37.31	42.44	74.00	-31.56	Peak
3	4981.67	39.22	31.75	8.80	35.21	44.56	74.00	-29.44	Peak
4	9849.15	33.23	39.50	11.71	36.55	47.89	74.00	-26.11	Peak
Test channel		CH78			Polarity			Vertical	
Mark	Frequency	Reading	Antenna	Cable	Preamp	Level	Limit	Over	Remark
Mark	MHz	dBuV/m	dB	dB	dB	dBuV/m	dBuV/m	limit	
1		dBuV/m 55.01	dB 25.62	dB 4.37	dB 36.96	dBuV/m 48.04	dBuV/m 74.00	limit -25.96	Peak
	MHz								Peak Peak
1	MHz 1534.89	55.01	25.62	4.37	36.96	48.04	74.00	-25.96	

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