

TEST REPORT

EMC Test for SM-F741B

APPLICANT SAMSUNG Electronics Co., Ltd.

REPORT NO. HCT-EM-2405-FC001

DATE OF ISSUE May 3, 2024

> 36 Tested by Wook Yi

Technical Manager Jeong-Hyun Choi

> HCT CO., LTD. BongJai Huh



HCT Co., Ltd.

2-6, 73, 74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, 17383 KOREA Tel. +82 31 645 6300 Fax. +82 31 645 6401

TEST REPORT

FCC Certification

REPORT NO.

HCT-EM-2405-FC001

DATE OF ISSUE

May 03, 2024

FCC ID.

A3LSMF741B

Applicant	SAMSUNG Electronics Co., Ltd. 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Korea
Product Name Model Name	Mobile Phone SM-F741B
Date of Test	04.25.2024-05.01.2024
Location of Test	✓ Permanent Testing Lab✓ On Site Testing Lab(Address: See clause 1.2)
Test Standard Used	FCC CFR 47 PART 15 Subpart B Class B ANSI C63.4-2014
Test Results	Refer to the present document
Manufacturer	SAMSUNG Electronics Co., Ltd.

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REVISION HISTORY

The revision history for this test report is shown in table.

Revision No.	Date of Issue	Description
0	May 03, 2024	Initial Release

Notice

Content

The results shown in this test report only apply to the sample(s), as received, provided by the applicant, unless otherwise stated.

The test results have only been applied with the test methods required by the standard(s).

The laboratory is not accredited for the test results marked *.

Information provided by the applicant is marked **.

Test results provided by external providers are marked ***.

When confirmation of authenticity of this test report is required, please contact www.hct.co.kr

The test results in this test report are not associated with the ((KS Q) ISO/IEC 17025) accreditation by KOLAS (Korea Laboratory Accreditation Scheme) / A2LA (American Association for Laboratory Accreditation) that are under the ILAC (International Laboratory Accreditation Cooperation) Mutual Recognition Agreement (MRA).

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1. TESTING LABORATORY

1.1 General Information

Organization Name	HCT Co., Ltd.
Address	74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do,
	17383. Rep. of Korea
Telephone	+82 31 645 6300
FAX	+82 31 645 6401

1.2 Location of the Test Site

The test site is located at the following address.;

Address	74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do,
	17383. Rep. of Korea
Telephone	031-645-6300
FAX	031-645-6401

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2. GENERAL INFORMATION

2.1 Description of EUT

FCC ID	A3LSMF741B
Product Name	Mobile Phone
Model Name	SM-F741B
	GSM 850/900/1800/1900,
	WCDMA FDD 1/2/4/5/8,
Operating	LTE FDD 1/2/3/4/5/7/8/12/13/17/18/19/20/25/26/28/66 TDD 38/39/40/41,
Frequency Band	5G FR1 n1/2/3/5/7/8/12/20/25/26/28/38/40/41/66/77/78,
	5G FR2 n257/258/260/261,
	BT BDR/EDR/LE, WLAN a/b/g/n/ac/ax, GNSS, NFC, WPT
	GSM 850/1900, WCDMA B2/4/5,
Testing	LTE B2/5/12/13/17/25/26/41/66,
Frequency Band	5G NR n2/5/25/41/66/77,
	BT BDR/EDR/LE, WLAN a/b/g/n/ac/ax, GNSS, NFC, WPT
Manufacturer	SAMSUNG Electronics Co., Ltd.

2.2 Power Source

During the test, the following power supply levels are utilized/provided.;

Power supply: AC 120 V, 60 Hz

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2.3 Tested System Details

All equipment descriptions used in the tested system (including inserted cards) are:

Device Type	Model Name	Serial Number	Manufacturer	
Mobile Phone	SM-F741B	-	SAMSUNG Electronics Co., Ltd.	
Travel Adapter ^{a)}	EP-TA800	-	SOLUM	
Data Cable	EP-DN980	-	RFTECH	
Earphone	EO-IC100	-	CRESYN	

a) Input: 100~240 V, 50~60 Hz, 0.7 A / Output: (PDO)5.0 V, 3.0 A or 9.0 V, 2.77 A (PPS)3.3~5.9 V, 3.0 A or 3.3~11.0 V, 2.25 A

2.4 Cable Description

Product Name	Port	Power Cord Shielded (Y/N)	I/O Cable Shielded (Y/N)	Length (m)
EUT	USB Type C (Data Cable)	Y	N/A	(P) 1.0
	USB Type C (Earphone)	N/A	N	(D) 1.3

[&]quot;(D)" data cable and "(P)" power cable.

2.5 Noise Suppression Parts on Cable (I/O Cable)

Product Name	Port	Ferrite Bead (Y/N)	Location	Metal Hood (Y/N)	Location
EUT	Data Cable (USB Type C)	N	N/A	Υ	Both End
	Earphone (USB Type C)	N	N/A	Υ	EUT End

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2.6 Test Facility

The measurement facilities are constructed in conformance with the requirements of ANSI C63.4-2014. The Normalized site attenuations (30 MHz to 1 GHz) and Site validation (1 GHz to 18 GHz) were performed in accordance with the standard in ANSI C63.4-2014 and ANSI C63.4a-2017

Our laboratories are accredited and designated in accordance with the provisions of Radio Waves ACT and International Standard ISO/IEC 17025:2017. (National Radio Research Agency, CABID No. KR0032)

2.7 Calibration of Measuring Instrument

The measuring equipment, which was utilized in performing the tests documented herein, has been calibrated in accordance with the manufacturers recommendations for utilizing calibration equipment, which is traceable to recognized national standards.

Especially, all antenna for measurement is calibrated in accordance with the requirements of C63.5:2017.

2.8 Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.4-2014. All measurement uncertainty values are shown with a coverage factor of k = 2 to indicate a 95 % level of confidence. The measurement data shown herein meets or exceeds the U_{CISPR} measurement uncertainty values specified in CISPR 16-4-2 and, thus, can be compared directly to specified limits to determine compliance.

Parameter	Test Site	Expanded Uncertainty	
Radiated Emission		30 MHz to 1 GHz: 5.8 dB	
	3 m Semi Anechoic Chamber #1	1 GHz to 18 GHz: 4.8 dB	
		18 GHz to 40 GHz: 5.8 dB	

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3. DESCRIPTION OF TESTING

3.1 Measurement of Conducted Emission

The test procedure was in accordance with ANSI C63.4-2014, Clause 7.3

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN).
 - If the EUT is connected to the PC through USB, the AC power-line adapter of the PC is directly connected to a line impedance stabilization network (LISN).
 - Other support units were connected to the power mains through another LISN. The two LISNs provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both conducted lines are measured in Quasi-Peak and Average mode, including the worst-case data points for each tested configuration.
- c. The frequency range from 150 kHz to 30 MHz was searched.

Conducted Emission Limits

Francis	Resolution	Class A		Class B	
Frequency Bandwidth (妣)		Quasi-Peak (dBμV)	Average (dΒμV)	Quasi-Peak (dBμV)	Average (dBμV)
0.15 to 0.5	9	79	66	66 to 56*	56 to 46*
0.5 to 5	9	73	60	56	46
5 to 30	9	73	60	60	50

NOTE. Decreases with the logarithm of the frequency.

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3.2 Measurement of Radiated Emission

The test procedure was in accordance with ANSI C63.4-2014, Clause 8.3

- a. The EUT was placed on the top of a turn table 0.8 meters above the ground at a semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 m away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from 1 m to 4 m above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 m to 4 m and the turn table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Quasi-Peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
- f. The test-receiver system was set to Peak and Average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 $\,$ GHz.
- g. Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response.

 (1 GHz to 40 GHz)

Radiated Emission Limits

		Class A		Class B		
Frequency (附z)	Antenna Distance (m)	Field Strength (µV/m)	Quasi-Peak (dBμV/m)	Antenna Distance (m)	Field Strength (µV/m)	Quasi-Peak (dΒμV/m)
30 to 88	10	90	39.0	3	100	40.0
88 to 216	10	150	43.5	3	150	43.5
216 to 960	10	210	46.4	3	200	46.0
Above 960	10	300	49.5	3	500	54.0
			Class A		Class B	
Frequency (Mbz)			Peak (dBµV/m)	Average (dBμV/m)	Peak (dBμV/m)	Average (dBμV/m)
Above 1 000	3		80	60	74	54

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Frequency Range of Radiated Measurements

An unintentional radiator, including a digital device, the spectrum shall be investigated from the lowest radio frequency signal generated or used in the device, without going below the lowest frequency for which a Radiated Emission limit is specified, up to the frequency shown in the following table

Highest frequency generated or used in the device or on which the device operates or tunes (附)	Upper frequency of measurement range (附z)
Below 1.705	30
1.705 to 108	1 000
108 to 500	2 000
500 to 1 000	5 000
Above 1 000	5th harmonic of the highest frequency or 40 에, whichever is lower

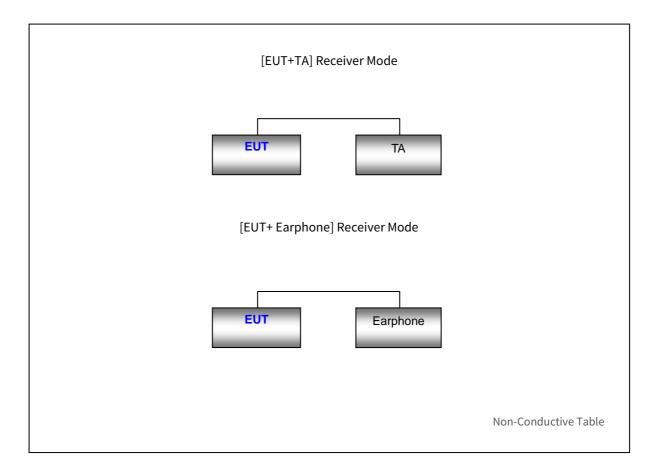
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3.3 Configuration of Tested System

The EUT was configured in the following manner.

At the request of the manufacturer, the configuration of the tests was arranged.



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4. OPERATION OF THE EUT

During preliminary tests, the following operating mode was investigated.

Receiver mode(GSM 850 Low/Middle/High ch Idle)

Receiver mode(WCDMA B5 Low/Middle/High ch Idle)

Receiver mode(LTE B5_Low/Middle/High ch)

Receiver mode(LTE B12_Low/Middle/High ch)

Receiver mode(LTE B13_Low/Middle/High ch)

Receiver mode(LTE B17_Low/Middle/High ch)

Receiver mode(LTE B26_Low/Middle/High ch)

Receiver mode(5G NR n5_Low/Middle/High ch)

NOTE. The worst case is tested.

4.1 Conducted Emission (Not Applicable)

Operating Mode: Not applicable

NOTE. Conducted emission for receiver mode is covered by JBP report.

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4.2 Radiated Emission

It was final tested the following operating mode, after connecting all peripheral devices.

Operating Mode:

Radiated Emission below 1 GHz

[EUT+TA] EUT Unfolded LTE B5+5G NR n5 Low ch Idle*

LTE B5+5G NR n5 Middle ch Idle LTE B5+5G NR n5 High ch Idle LTE B12(B17)+B13 Low ch Idle LTE B12(B17)+B13 Middle ch Idle LTE B12(B17)+B13 High ch Idle*

LTE B26 Low ch Idle LTE B26 Middle ch Idle LTE B26 High ch Idle*

[EUT+TA] EUT Folded LTE B26 High ch Idle*

[EUT+ Earphone] LTE B26 High ch Idle*

Radiated Emission above 1 础

[EUT+TA] EUT Unfolded LTE B5+5G NR n5 Low ch Idle

LTE B12(B17)+B13 High ch Idle

LTE B26 High ch Idle*

[EUT+TA] EUT Folded LTE B26 High ch Idle*
[EUT+ Earphone] LTE B26 High ch Idle*

NOTE.

- 1. Three orientations have been investigated and the worst-case orientation (x-axis: The display of EUT placed on the table is facing upwards) is reported.
- 2. Frequency bands adjacent to each other are tested as one mode.
- 3. The worst case of operating mode is reported. [*].

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5. MEASURING INSTRUMENT

	Type Model Name		odel Name Manufacturer		Calibration Cycle	Next Calibration Date
Cor	nducted emission					
	EMI Test Receiver	ESR7	Rohde & Schwarz	101910	1 year	05.26.2024
	LISN	ENV216	Rohde & Schwarz	102245	1 year	08.02.2024
	Software	EMC32	Rohde & Schwarz	-	-	-
Rac	liated emission below 1	GHz				
\boxtimes	EMI Test Receiver	ESU40	Rohde & Schwarz	100524	1 year	05.09.2024
\boxtimes	Bi-Log Antenna	VULB9168	Schwarzbeck	255	2 year	03.10.2025
\boxtimes	Antenna master	MA4640-XP-ET	INNCO SYSTEM	-	N/A	-
\boxtimes	Antenna master controller	CO3000	INNCO SYSTEM	CO3000/870/ 35990515/L	N/A	-
\boxtimes	Turn Table	1060	INNCO SYSTEM	-	N/A	-
\boxtimes	Turn Table controller	CO2000	INNCO SYSTEM	CO2000/095/ 7590304/L	N/A	-
\boxtimes	Universal radio communication tester	CMU200	Rohde & Schwarz	107488	1 year	09.22.2024
\boxtimes	Mobile communication test set	CMW500	Rohde & Schwarz	103246	1 year	08.28.2024
\boxtimes	Radio communication analyzer	MT8821C	ANRITSU	6262192376	1 year	10.17.2024
\boxtimes	Antenna (for Communication)	HyperLOG7060	Aaronia	66450	-	-
\boxtimes	Radio communication analyzer	MT8000A	ANRITSU	6262208294	1 year	10.17.2024
\boxtimes	Antenna (for Communication)	HyperLOG7060	Aaronia	66451	-	-
\boxtimes	Software	EMC32	Rohde & Schwarz	-	-	-

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	Type Model Nam		Manufacturer	Serial Number	Calibration Cycle	Next Calibration Date
Rac	liated emission above 1	GHz				
\boxtimes	EMI Test Receiver	ESU40	Rohde & Schwarz	100524	1 year	05.09.2024
\boxtimes	Antenna master	MA4640-XP-ET	INNCO SYSTEM	-	N/A	-
\boxtimes	Antenna master controller	CO3000	INNCO SYSTEM	CO3000/870/ 35990515/L	N/A	-
\boxtimes	Turn Table	1060	INNCO SYSTEM	-	N/A	-
\boxtimes	Turn Table controller	CO2000	INNCO SYSTEM	CO2000/095/ 7590304/L	N/A	-
\boxtimes	Low Noise Amplifier	TK-PA18H	TESTEK	170034-L	1 year	11.01.2024
\boxtimes	Low Noise Amplifier	TK-PA1840H	TESTEK	170030-L	1 year	02.20.2025
\boxtimes	Horn Antenna	HF907	Rohde & Schwarz	103160	1 year	10.16.2024
\boxtimes	Horn Antenna	BBHA 9170	Schwarzbeck	BBHA9170 #786	1 year	11.01.2024
\boxtimes	Radio communication analyzer	MT8821C	ANRITSU	6262192376	1 year	10.17.2024
\boxtimes	Mobile communication test set	CMW500	Rohde & Schwarz	103246	1 year	08.28.2024
\boxtimes	Universal radio communication tester	CMU200	Rohde & Schwarz	107488	1 year	09.22.2024
\boxtimes	Antenna (for Communication)	HyperLOG7060	Aaronia	66450	-	-
\boxtimes	Radio communication analyzer	MT8000A	ANRITSU	6262208294	1 year	10.17.2024
\boxtimes	Antenna (for Communication)	HyperLOG7060	Aaronia	66451	-	-
\boxtimes	Software	EMC32	Rohde & Schwarz	-	-	-

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6. EMISSION TEST SUMMARY

6.1 Conducted Emission

6.1.1 Operating Condition

The test results of conducted emission at mains ports provide the following information:

Test Standard Used	FCC CFR 47 PART 15 Subpart B Class B ANSI C63.4-2014
Frequency Range	150 kHz to 30 MHz
Detector	Quasi-Peak, CISPR-Average
Bandwidth	9 kHz (6 dB)
Operating Mode	Not applicable
Test Site	EMI Shield Room
Temperature	min °C / max °C
Relative Humidity	min % / max %
Test Date	-
-	

A conducted emission is calculated by the following equation.;

Calculation Formula: QuasiPeak or CAverage= Receiver Reading + Corr.

Corr. = LISN Factor + Cable Loss

Margin = Limit – QuasiPeak or CAverage

L1 = Live, N = Neutral

* Two graphs measurement for both Live(L1) and Neutral(N) of the LISN are combined into one graph.

6.1.2 Measuring Data

Not applicable

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6.2 Radiated Emission Below 1 GHz

6.2.1 Operating Condition

The test results of radiated emission provide the following information:

FCC CFR 47 PART 15 Subpart B Class B ANSI C63.4-2014			
30 MHz to 1 000 MHz			
Quasi-Peak			
120 kHz (6 dB)			
1 m to 4 m			
[EUT+TA] EUT Unfolded			
LTE B5+5G NR n5 Low ch Idle			
LTE B12(B17)+B13 High ch Idle			
LTE B26 High ch Idle			
[EUT+TA] EUT Folded			
LTE B26 High ch Idle			
[EUT+Earphone]			
LTE B26 High ch Idle			
3 m Semi Anechoic Chamber #1			
min. 23.5 °C, max. 25.8 °C			
min. 35.8 %, max. 40.7 %			
04.25.2024			

A field strength is calculated by the following equation.;

Calculation Formula: QuasiPeak = Reading (Receiver Reading) + Corr.

Corr. (Correction Factor) = Antenna Factor + Cable Loss

Margin = Limit - QuasiPeak

Polarity H = Horizontal, Polarity V = Vertical

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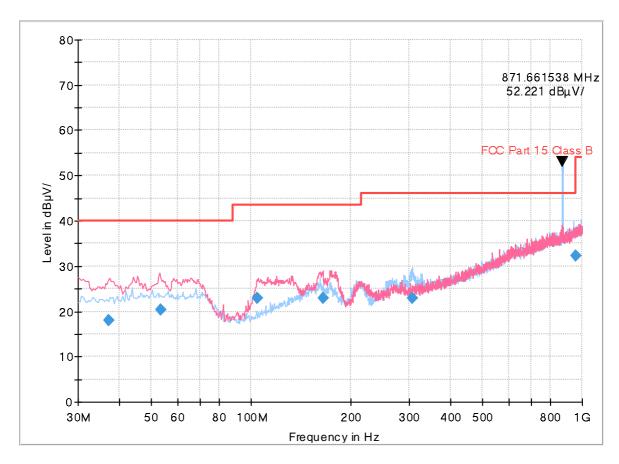


6.2.2 Measuring Data

[EUT+TA] EUT Unfolded

LTE B5+5G NR n5 Low ch Idle

Full Spectrum



Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
37.0993	18.12	40.00	21.88	125.3	V	37.0	19.3
53.1615	20.36	40.00	19.64	100.0	V	15.0	20.2
104.2852	22.95	43.50	20.55	100.0	V	113.0	15.8
164.7098	22.86	43.50	20.64	100.0	V	88.0	19.5
307.2200	22.99	46.00	23.01	100.0	Н	195.0	20.7
960.0785	32.30	54.00	21.70	303.9	V	333.0	32.2

NOTE. 1. Carrier Frequency: Rx 871.6615 MHz

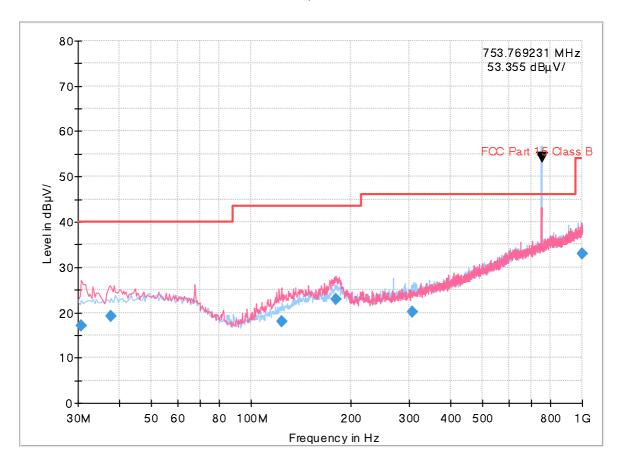
 $2. \ These \ are \ signals \ for \ fundamental \ frequency \ from \ the \ base \ station$

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LTE B12(B17)+B13 High ch Idle

Full Spectrum



Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
30.7004	17.13	40.00	22.87	100.0	V	135.0	18.7
37.7967	19.18	40.00	20.82	125.2	V	54.0	19.4
123.6363	17.96	43.50	25.54	111.8	V	145.0	17.7
180.7216	22.90	43.50	20.60	100.0	V	133.0	18.2
306.1021	20.18	46.00	25.82	125.3	Н	66.0	20.7
999.2747	33.01	54.00	20.99	100.0	Н	288.0	32.7

NOTE. 1. Carrier Frequency: Rx 753.7692 Mtz

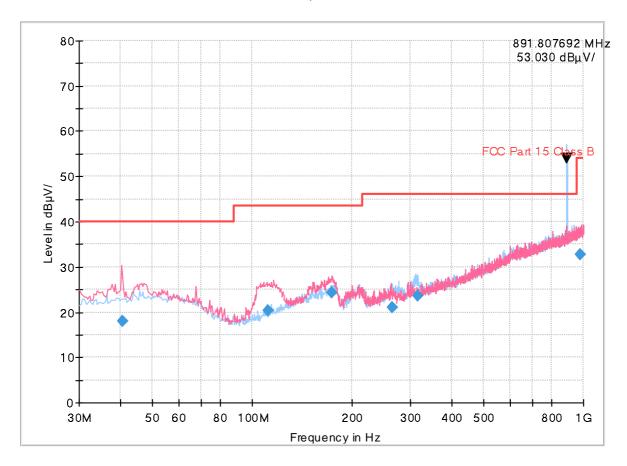
2. These are signals for fundamental frequency from the base station $% \left(1\right) =\left(1\right) \left(1\right$

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LTE B26 High ch Idle

Full Spectrum



Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
40.4575	17.94	40.00	22.06	125.3	V	239.0	19.6
111.3156	20.41	43.50	23.09	100.0	V	77.0	16.5
174.3538	24.31	43.50	19.19	110.8	V	143.0	18.7
263.9276	21.12	46.00	24.88	125.2	Н	55.0	19.5
315.4399	23.56	46.00	22.44	100.0	Н	50.0	20.9
977.6377	32.70	54.00	21.30	225.1	V	173.0	32.4

NOTE. 1. Carrier Frequency: Rx 891.8076 MHz

2. These are signals for fundamental frequency from the base station $% \left(1\right) =\left(1\right) \left(1\right$

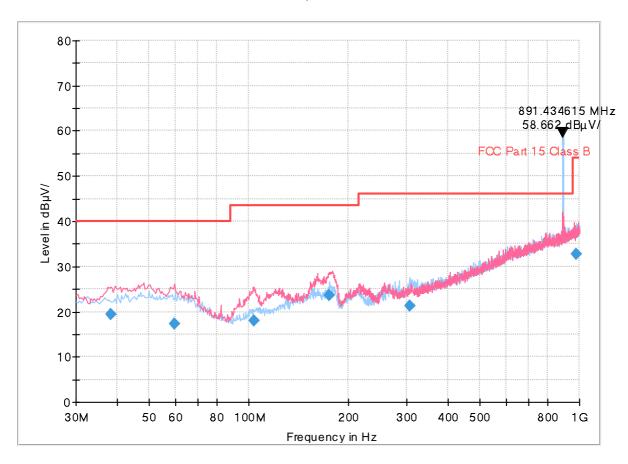
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[EUT+TA] EUT Folded

LTE B26 High ch Idle

Full Spectrum



Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
38.1748	19.48	40.00	20.52	109.8	V	9.0	19.4
59.4783	17.39	40.00	22.61	125.2	V	228.0	19.7
103.9040	18.02	43.50	25.48	100.0	V	315.0	15.8
175.4878	23.57	43.50	19.93	125.0	V	146.0	18.6
306.0554	21.36	46.00	24.64	125.1	Н	175.0	20.7
978.3926	32.75	54.00	21.25	302.8	Н	289.0	32.4

NOTE. 1. Carrier Frequency: Rx 891.4346 Mtz

2. These are signals for fundamental frequency from the base station $% \left(1\right) =\left(1\right) \left(1\right$

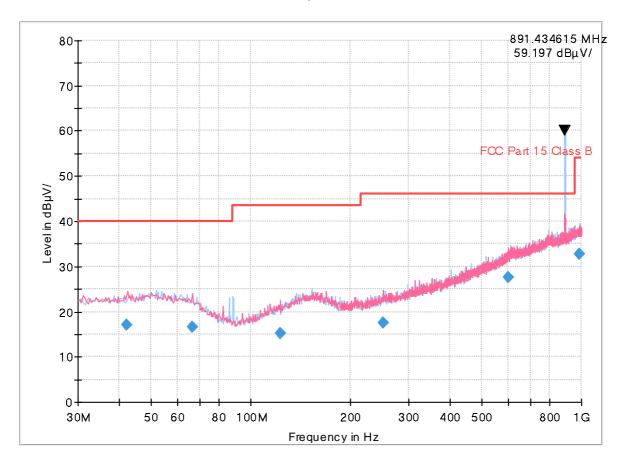
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[EUT+Earphone]

LTE B26 High ch Idle

Full Spectrum



Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
42.2646	16.96	40.00	23.04	174.8	V	240.0	19.8
66.5764	16.50	40.00	23.50	325.1	V	83.0	18.8
122.9365	15.31	43.50	28.19	174.9	Н	190.0	17.7
252.3507	17.58	46.00	28.42	225.0	V	137.0	19.2
602.2735	27.56	46.00	18.44	283.9	V	224.0	27.5
982.0942	32.77	54.00	21.23	174.9	Н	299.0	32.5

NOTE. 1. Carrier Frequency: Rx 891.4346 MHz

2. These are signals for fundamental frequency from the base station

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6.3 Radiated Emission Above 1 GHz

6.3.1 Operating Condition

The test results of radiated emission provide the following information:

FCC CFR 47 PART 15 Subpart B Class B ANSI C63.4-2014			
Peak, CISPR-Average			
1 MHz			
7 125 MHz			
1 GHz to 40 GHz			
1 m to 4 m			
[EUT+TA] EUT Unfolded			
LTE B26 High ch Idle			
[EUT+TA] EUT Folded			
LTE B26 High ch Idle			
[EUT+Earphone]			
LTE B26 High ch Idle			
3 m Semi Anechoic Chamber #1			
min. 22.5 °C, max. 25.7 °C			
min. 36.2 %, max. 41.9 %			
05.01.2024			

A field strength is calculated by the following equation.;

Calculation Formula: Peak or CAverage = Reading (Receiver Reading) + Corr.

Corr. (Correction Factor) = Antenna Factor+ Cable Loss – Amplifier gain

Margin = Limit - Peak or CAverage

Polarity H = Horizontal, Polarity V = Vertical

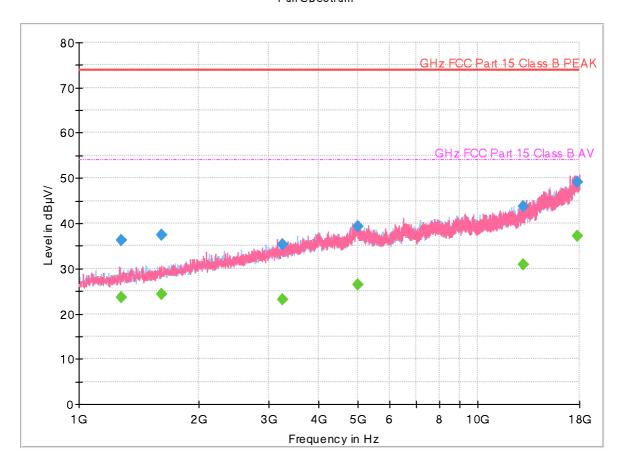
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6.3.2 Measuring Data

[EUT+TA / EUT Unfolded] LTE B26 High ch Idle

1 GHz to 18 GHz Full Spectrum



Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1278.0850	36.17	74.00	37.83	125.2	V	282.0	-30.1
1614.9900	37.48	74.00	36.52	185.8	Н	107.0	-28.3
3232.5750	35.38	74.00	38.62	174.8	Н	243.0	-20.6
5002.2400	39.24	74.00	34.76	100.0	V	0.0	-14.9
12981.8800	43.70	74.00	30.30	209.8	Н	305.0	-4.5
17743.6100	49.02	74.00	24.98	118.8	V	14.0	5.4

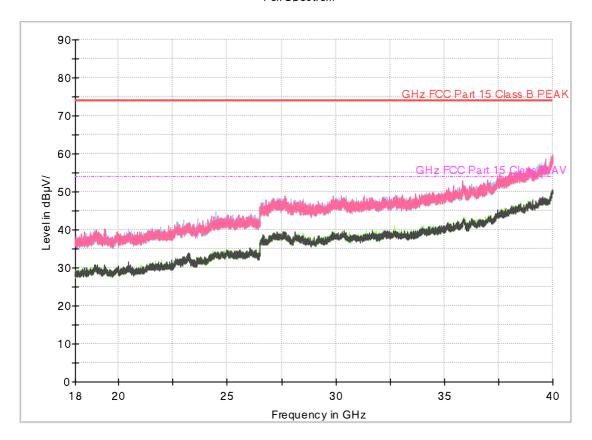
Frequency (MHz)	CAverage (dBμV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1278.0850	23.71	54.00	30.29	125.2	V	282.0	-30.1
1614.9900	24.40	54.00	29.60	185.8	Н	107.0	-28.3
3232.5750	23.18	54.00	30.82	174.8	Н	243.0	-20.6
5002.2400	26.47	54.00	27.53	100.0	V	0.0	-14.9
12981.8800	30.89	54.00	23.11	209.8	Н	305.0	-4.5
17743.6100	37.24	54.00	16.76	118.8	V	14.0	5.4

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18 GHz to 40 GHz

Full Spectrum



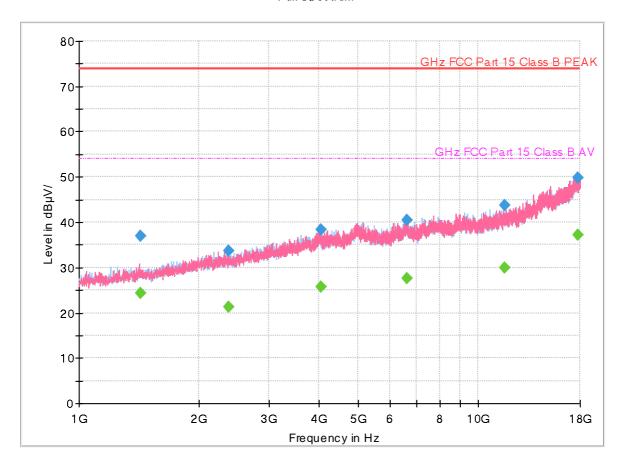
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[EUT+TA / EUT Folded] LTE B26 High ch Idle

1 GHz to 18 GHz

Full Spectrum



Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1425.4450	36.94	74.00	37.06	200.8	V	177.0	-29.4
2368.2800	33.65	74.00	40.35	100.0	V	25.0	-24.4
4032.2550	38.33	74.00	35.67	125.0	V	131.0	-17.6
6634.7350	40.40	74.00	33.60	117.9	Н	26.0	-12.0
11679.7550	43.68	74.00	30.32	225.1	V	9.0	-5.7
17833.2950	49.94	74.00	24.06	108.8	V	0.0	5.7

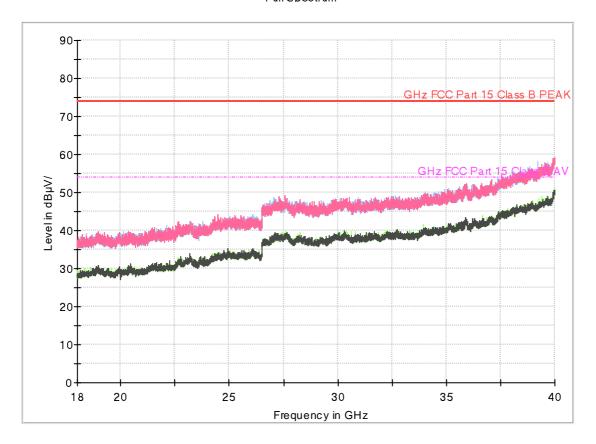
Frequency (MHz)	CAverage (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1425.4450	24.37	54.00	29.63	200.8	V	177.0	-29.4
2368.2800	21.26	54.00	32.74	100.0	V	25.0	-24.4
4032.2550	25.83	54.00	28.17	125.0	V	131.0	-17.6
6634.7350	27.49	54.00	26.51	117.9	Н	26.0	-12.0
11679.7550	29.96	54.00	24.04	225.1	V	9.0	-5.7
17833.2950	37.26	54.00	16.74	108.8	V	0.0	5.7

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18 GHz to 40 GHz

Full Spectrum



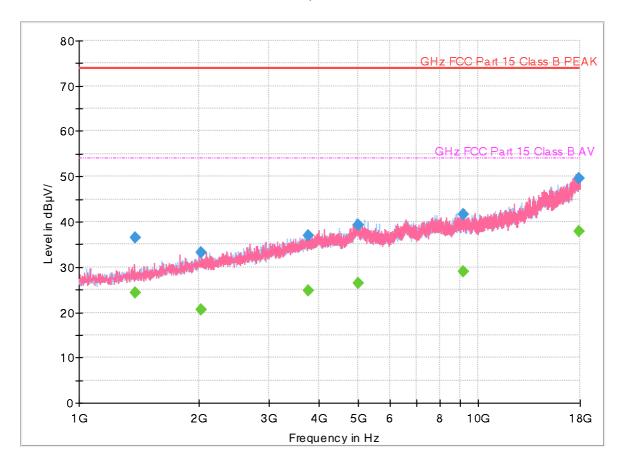
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[EUT+Earphone] LTE B26 High ch Idle

1 GHz to 18 GHz

Full Spectrum



Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1385.2750	36.48	74.00	37.52	174.8	V	2.0	-29.6
2019.8300	33.23	74.00	40.77	117.9	V	316.0	-25.8
3749.3250	36.98	74.00	37.02	100.0	Н	253.0	-18.6
5007.2900	39.29	74.00	34.71	174.8	Н	226.0	-14.9
9194.1800	41.67	74.00	32.33	225.2	V	151.0	-9.5
17917.0800	49.70	74.00	24.30	225.2	V	340.0	6.0

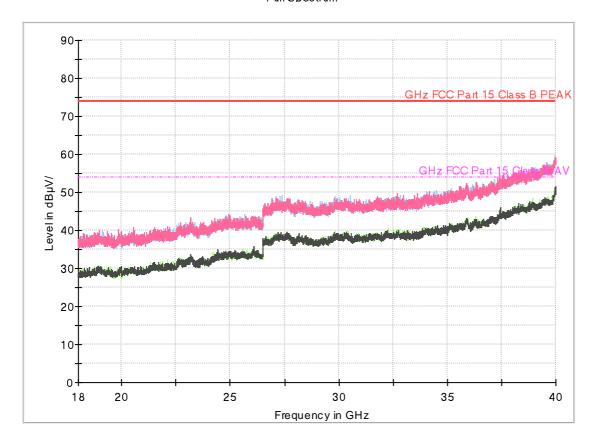
Frequency (MHz)	CAverage (dBμV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1385.2750	24.32	54.00	29.68	174.8	V	2.0	-29.6
2019.8300	20.51	54.00	33.49	117.9	V	316.0	-25.8
3749.3250	24.85	54.00	29.15	100.0	Н	253.0	-18.6
5007.2900	26.48	54.00	27.52	174.8	Н	226.0	-14.9
9194.1800	29.06	54.00	24.94	225.2	V	151.0	-9.5
17917.0800	37.78	54.00	16.22	225.2	V	340.0	6.0

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18 GHz to 40 GHz

Full Spectrum



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7. APPENDIX A. TEST SETUP PHOTO

Please refer to Appendix. A and test setup photo file no. as follows;

File No.	Date of Issue	Description
HCT-EM-2405-FC001-P	May 03, 2024	Initial Release

End of report

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