TEST REPORT

EMC Test for SM-S931B/DS

APPLICANT
SAMSUNG Electronics Co., Ltd.

REPORT NO.
HCT-EM-2410-FC007

DATE OF ISSUE
October 29, 2024

Tested by
Wook Yi

Technical Manager
Jeong-Hyun Choi

HCT CO., LTD.
BongJai Huh / CEO

HCT CO., LTD. 2-6, 73, 74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, Republic of Korea Tel. +82 31 645 6300 Fax. +82 31 645 6401

HCT CO.,LTD.
2-6, 73, 74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, Republic of Korea
Tel. +82 31 645 6300 Fax. +82 31 645 6401

TEST REPORT

FCC Certification

REPORT NO.
HCT-EM-2410-FC007

DATE OF ISSUE
October 29, 2024

FCC ID.
A3LSMS931B

Applicant	**SAMSUNG Electronics Co., Ltd.** 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Korea
Product Name	Mobile Phone
Model Name	SM-S931B/DS
Series Model Name	SM-S931B
Date of Test	10.16. 2024 ~ 10.24.2024
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.

REVISION HISTORY

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

Revision No.	Date of Issue	Description
0	October 29, 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) that are under the ILAC (International Laboratory Accreditation Cooperation) Mutual Recognition Agreement (MRA).

CONTENTS

1. TESTING LABORATORY

1.1 General Information

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

2. GENERAL INFORMATION

2.1 Description of EUT

FCC ID	A3LSMS931B
Product Name	Mobile Phone
Model Name	SM-S931B/DS
Series Model Name	SM-S931B
Operating Frequency Band	GSM 850/900/1800/1900, WCDMA FDD 1/2/4/5/8, LTE FDD 1/2/3/4/5/7/8/12/13/17/18/19/20/25/26/28/66 TDD 38/39/40/41, 5G FR1 n1/2/3/5/7/8/12/20/25/26/28/38/40/41/66/75/77/78, BT BDR/EDR/LE, WLAN a/b/g/n/ac/ax/be, GNSS, NFC, WPT
Testing Frequency Band	GSM 850/1900, WCDMA B2/4/5, LTE B2/4/5/12/13/17/25/26/41/66, 5G NR n2/5/25/41/66/77, BT BDR/EDR/LE, WLAN a/b/g/n/ac/ax/be, 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

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-S931B/DS	-	SAMSUNG Electronics Co., Ltd.
TA 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

"(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	Y	Both End
	Earphone (USB Type C)	N	N/A	Y	EUT End

2.6 Test Facility

The measurement facilities are constructed in conformance with the requirements of ANSI C63.4-2014.
The Normalized site attenuations (30 ㎒ to 1 ㎓) and Site validation (1 ㎓ to 18 ㎓) 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	3 m Semi Anechoic Chamber #1	30 ㎒ to 1 ㎓: 5.8 dB
		1 ㎓ to 18 ㎓: 4.9 dB
		18 ㎓ to 40 ㎓: 5.9 dB
Conducted Emission	EMI Shield Room	1.5 dB

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 ㎑ to 30 ㎒ was searched.

Conducted Emission Limits

Frequency (㎒)	Resolution Bandwidth (㎑)	Class A		Class B	
		Quasi-Peak (dBμV)	Average (dBμV)	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.

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 ㎓.
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 ㎓.
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 ㎓ to 40 ㎓)

Radiated Emission Limits

Frequency (㎒)	Class A			Class B		
	Antenna Distance (m)	Field Strength (μV/m)	Quasi-Peak (dBμV/m)	Antenna Distance (m)	Field Strength (μV/m)	Quasi-Peak (dBμV/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

Frequency (㎒)	Antenna Distance (m)	Class A		Class B	
		Peak (dBμV/m)	Average (dBμV/m)	Peak (dBμV/m)	Average (dBμV/m)
Above 1 000	3	80	60	74	54

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

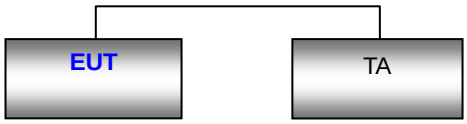
Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 1.705	30
1.705 to 108	1 000
108 to 500	2 000
500 to 1 000	5 000
Above 1 000	5th harmonic of the highest frequency or 40 GHz, whichever is lower

3.3 Configuration of Tested System

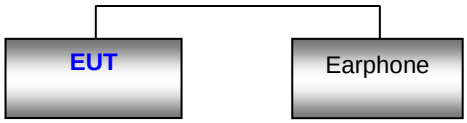
The EUT was configured in the following manner.

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

[EUT+TA] Receiver Mode



[EUT+ Earphone] Receiver Mode



Non-Conductive Table

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

Operating Mode: LTE B26 Middle ch Idle

NOTE. The worst case of operating mode is reported.

4.2 Radiated Emission

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

Operating Mode:

Radiated Emission below 1 ㎓

[EUT+TA]	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+ Earphone]	LTE B26 Middle ch Idle *

Radiated Emission above 1 ㎓

[EUT+TA]	LTE B5+5G NR n5 Low ch Idle
	LTE B12(B17)+B13 High ch Idle
	LTE B26 Middle ch Idle *
[EUT+ Earphone]	LTE B26 Middle 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. [*].

5. MEASURING INSTRUMENT

	Type	Model Name	Manufacturer	Serial Number	Calibration Cycle	Next Calibration Date
Conducted emission						
☒	EMI TEST RECEIVER	ESR7	Rohde & Schwarz	1011910	1 year	08.27.2025
☒	LISN	ENV216	Rohde & Schwarz	102245	1 year	07.17.2025
☒	Radio communication analyzer	MT8821C	ANRITSU	6262192376	1 year	10.15.2025
☒	Antenna (for Communication)	HyperLOG7060	Aaronia	66450	-	-
☒	Software	EMC32	Rohde & Schwarz	-	-	-
Radiated emission below 1 ㎓						
☒	EMI Test Receiver	ESU40	Rohde & Schwarz	100524	1 year	05.07.2025
☒	Bi-Log Antenna	VULB9168	Schwarzbeck	255	2 year	03.10.2025
☒	Antenna master	MA4640-XP-ET	INNCO SYSTEM	-	N/A	-
☒	Antenna master controller	CO3000	INNCO SYSTEM	CO3000/870/ 35990515/L	N/A	-
☒	Turn Table	1060	INNCO SYSTEM	-	N/A	-
☒	Turn Table controller	CO2000	INNCO SYSTEM	CO2000/095/ 7590304/L	N/A	-
☒	Universal radio communication tester	CMU200	Rohde & Schwarz	107488	1 year	09.24.2025
☒	Mobile communication test set	CMW500	Rohde & Schwarz	103246	1 year	09.02.2025
☒	Radio communication analyzer	MT8821C	ANRITSU	6262192376	1 year	10.15.2025
☒	Antenna (for Communication)	HyperLOG7060	Aaronia	66450	-	-
☒	Radio communication analyzer	MT8000A	ANRITSU	6262208294	1 year	10.14.2025
☒	Antenna (for Communication)	HyperLOG7060	Aaronia	66451	-	-
☒	Software	EMC32	Rohde & Schwarz	-	-	-

	Type	Model Name	Manufacturer	Serial Number	Calibration Cycle	Next Calibration Date
Radiated emission above 1 ㎓						
☒	EMI Test Receiver	ESU40	Rohde & Schwarz	100524	1 year	05.07.2025
☒	Antenna master	MA4640-XP-ET	INNCO SYSTEM	-	N/A	-
☒	Antenna master controller	CO3000	INNCO SYSTEM	CO3000/870/ 35990515/L	N/A	-
☒	Turn Table	1060	INNCO SYSTEM	-	N/A	-
☒	Turn Table controller	CO2000	INNCO SYSTEM	CO2000/095/ 7590304/L	N/A	-
☒	Low Noise Amplifier	TK-PA18H	TESTEK	170034-L	1 year	10.14.2025
☒	Low Noise Amplifier	TK-PA1840H	TESTEK	170030-L	1 year	02.20.2025
☒	Horn Antenna	HF907	Rohde & Schwarz	103160	1 year	10.15.2025
☒	Horn Antenna	BBHA 9170	Schwarzbeck	BBHA9170 #786	1 year	11.01.2024
☒	Radio communication analyzer	MT8821C	ANRITSU	6262192376	1 year	10.15.2025
☒	Mobile communication test set	CMW500	Rohde & Schwarz	103246	1 year	09.02.2025
☒	Universal radio communication tester	CMU200	Rohde & Schwarz	107488	1 year	09.24.2025
☒	Antenna (for Communication)	HyperLOG7060	Aaronia	66450	-	-
☒	Radio communication analyzer	MT8000A	ANRITSU	6262208294	1 year	10.14.2025
☒	Antenna (for Communication)	HyperLOG7060	Aaronia	66451	-	-
☒	Software	EMC32	Rohde & Schwarz	-	-	-

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 ㎑ to 30 ㎒
Detector	Quasi-Peak, CISPR-Average
Bandwidth	9 ㎑ (6 dB)
Operating Mode	LTE B26 Middle ch Idle
Test Site	EMI Shield Room
Temperature	min. 21.0 °C / max. 25.7 °C
Relative Humidity	min. 36.9 % / max. 42.8 %
Test Date	10.24.2024

A conducted emission is calculated by the following equation.;

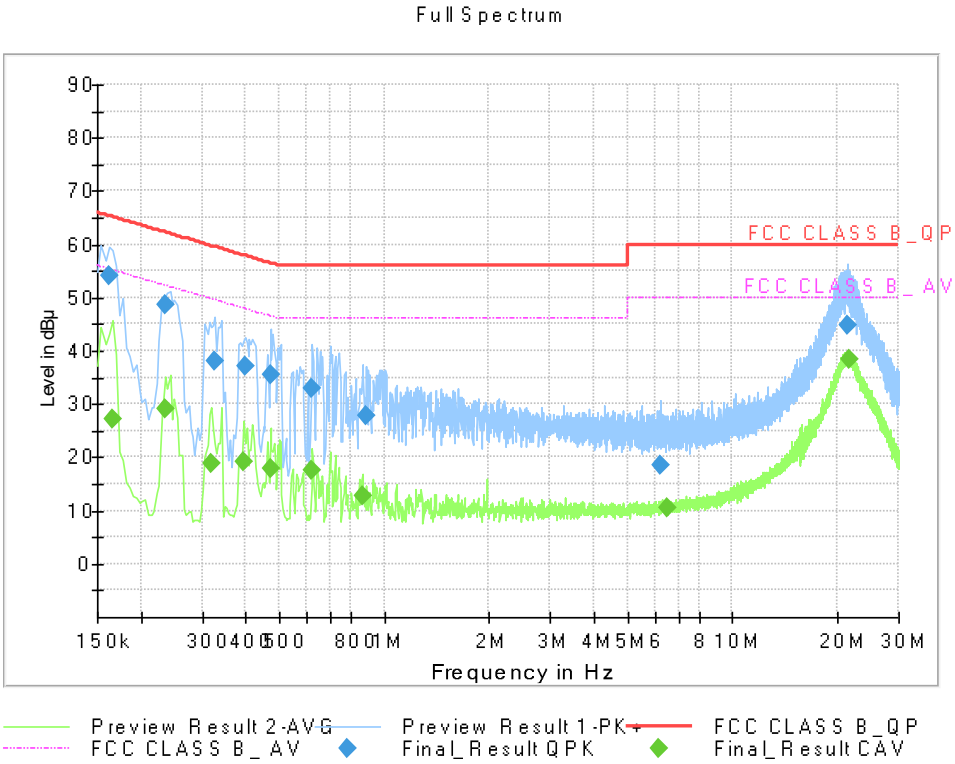
Calculation Formula: A = B + C

Where
A: QuasiPeak or CAverage in dBµV
B: Receiver reading in dBµV
C: Corr. in dB (LISN Factor + Cable Loss)
Margin in dB = Limit - QuasiPeak or CAverage
L1 = Live, N = Neutral

The measurements from both Live (L1) and Neutral (N) of the LISN are combined into a single graph.

6.1.2 Measurement Data

LTE B26 Middle ch Idle



Frequency (MHz)	QuasiPeak (dBµV)	Limit (dBµV)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.1620	53.96	65.36	11.40	9.000	N	9.6
0.2340	48.80	62.31	13.51	9.000	L1	9.6
0.3260	38.16	59.55	21.39	9.000	L1	9.6
0.3980	37.16	57.90	20.74	9.000	L1	9.6
0.4700	35.49	56.51	21.02	9.000	L1	9.7
0.6200	33.05	56.00	22.95	9.000	L1	9.7
0.8880	27.72	56.00	28.28	9.000	L1	9.7
6.2360	18.51	60.00	41.49	9.000	L1	9.9
21.4360	44.70	60.00	15.30	9.000	L1	10.5

Frequency (MHz)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Bandwidth (kHz)	Line	Corr. (dB)
0.1660	27.19	55.16	27.97	9.000	L1	9.6
0.2340	29.07	52.31	23.24	9.000	L1	9.6
0.3180	18.96	49.76	30.80	9.000	L1	9.6
0.3940	19.22	47.98	28.76	9.000	L1	9.6
0.4700	17.82	46.51	28.69	9.000	L1	9.7
0.6200	17.56	46.00	28.44	9.000	L1	9.7
0.8640	12.90	46.00	33.10	9.000	L1	9.7
6.4760	10.56	50.00	39.44	9.000	L1	9.9
21.6880	38.28	50.00	11.72	9.000	L1	10.5

6.2 Radiated Emission Below 1 ㎓

6.2.1 Operating Condition

The test results of radiated emission provide the following information:

Used Test Standard	FCC CFR 47 PART 15 Subpart B Class B ANSI C63.4-2014
Frequency Range	30 ㎒ to 1 000 ㎒
Detector	Quasi-Peak
Bandwidth	120 ㎑ (6 dB)
Antenna Height	1 m to 4 m
Operating Mode	[EUT+TA] LTE B5+5G NR n5 Low ch Idle LTE B12(B17)+B13 High ch Idle LTE B26 Middle ch Idle [EUT+Earphone] LTE B26 Middle ch Idle
Test Site	3 m Semi Anechoic Chamber #1
Temperature	min. 21.6 °C, max. 25.2 °C
Relative Humidity	min. 37.5 %, max. 46.9 %
Test Date	10.16.2024 ~ 10.18.2024

A field strength is calculated by the following equation.;

Calculation Formula: A = B + C

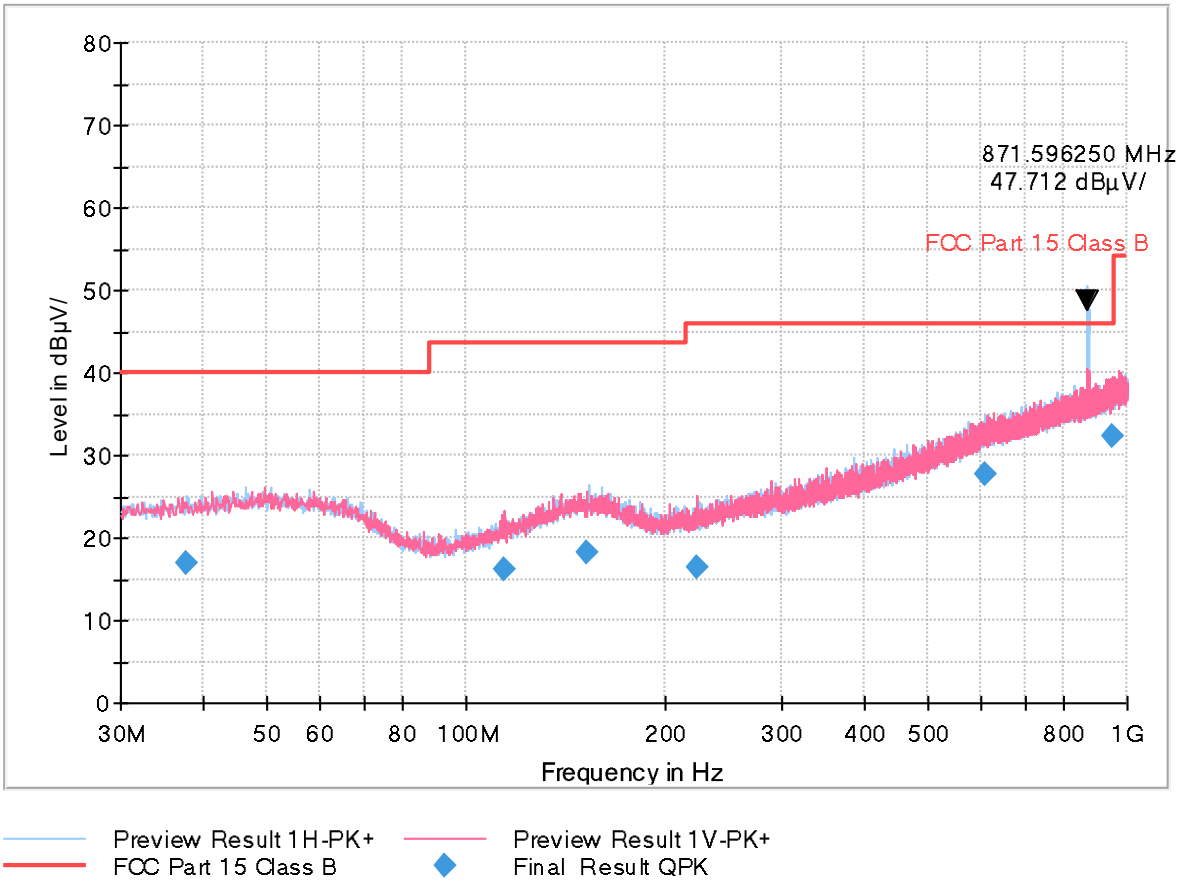
Where
A: Quasi Peak in ㏈μV/m (Field strength)
B: Receiver reading in ㏈μV
C: Corr. in ㏈ (Cable loss + Antenna factor)
Margin in ㏈ = Limit - QuasiPeak

The measurements' polarities are H and V, where H stands for horizontal and V stands for vertical.

6.2.2 Measurement Data

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

Full Spectrum



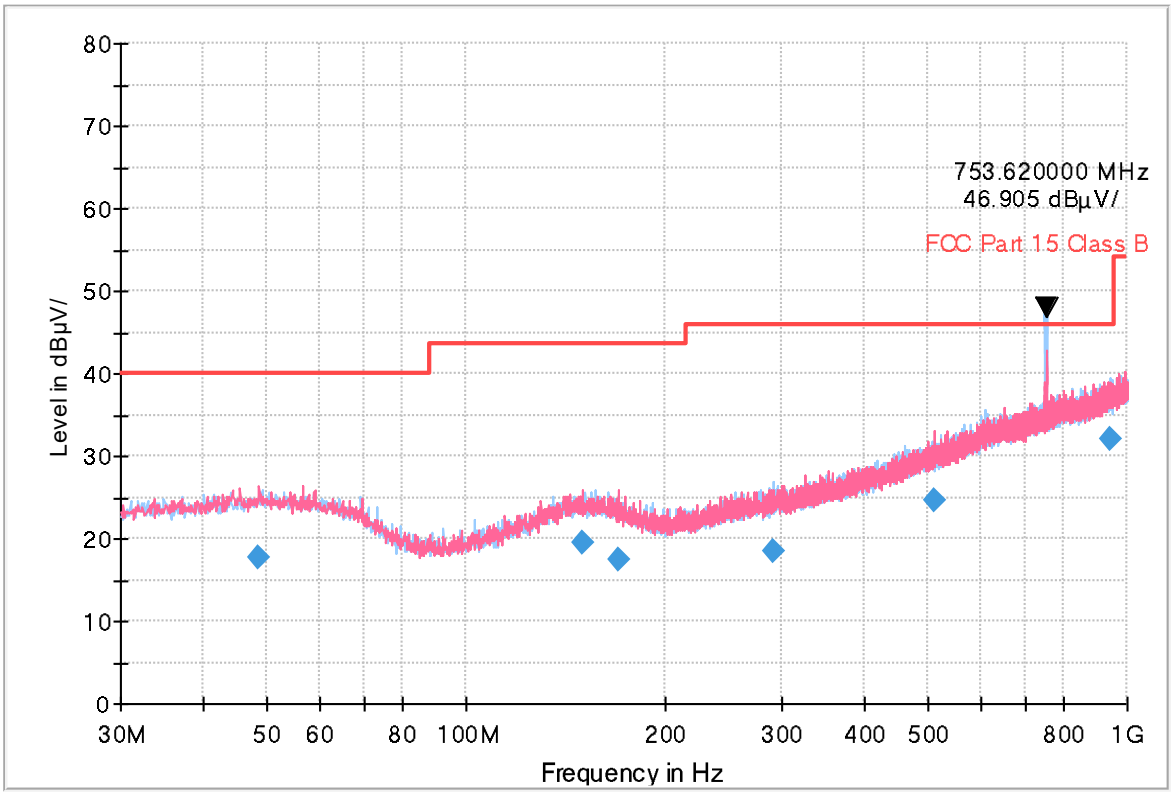
NOTE. 1. Carrier Frequency: Rx 871.5962 MHz

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

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
37.7304	16.89	40.00	23.11	274.5	H	340.0	19.4
114.4952	16.10	43.50	27.40	181.1	V	0.0	16.8
152.3730	18.09	43.50	25.41	374.6	V	211.0	19.7
223.7754	16.37	46.00	29.63	125.1	V	341.0	18.1
611.4043	27.77	46.00	18.23	198.7	H	352.0	27.6
951.8770	32.25	46.00	13.75	125.0	V	321.0	32.1

[EUT+TA] LTE B12(B17)+B13 High ch Idle Mode

Full Spectrum



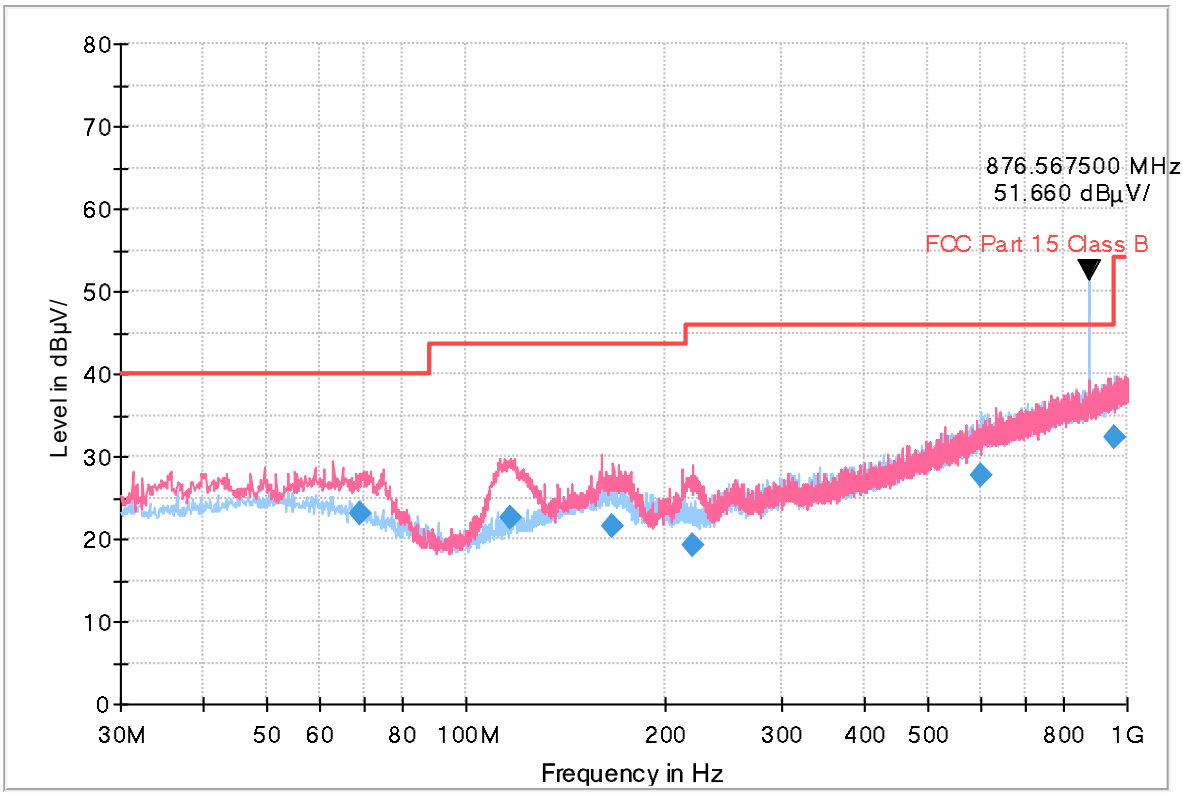
NOTE. 1. Carrier Frequency: Rx 753.6200 MHz

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

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
48.5711	17.64	40.00	22.36	125.0	V	298.0	20.3
150.3714	19.40	43.50	24.10	174.7	V	15.0	19.7
169.5271	17.33	43.50	26.17	381.1	V	200.0	19.1
291.8008	18.48	46.00	27.52	225.2	H	234.0	20.3
510.5314	24.60	46.00	21.40	397.8	V	165.0	25.6
943.9443	32.14	46.00	13.86	400.0	H	172.0	32.0

[EUT+TA] LTE B26 Middle ch Idle Mode

Full Spectrum



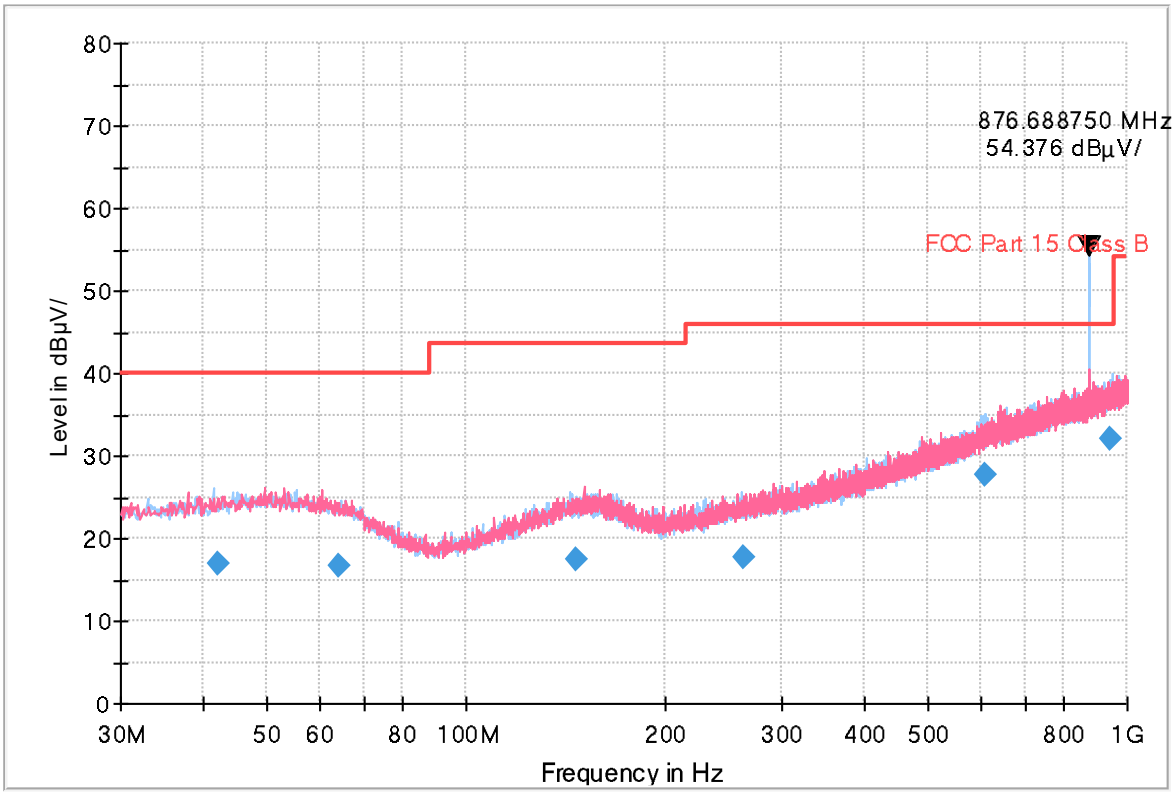
NOTE. 1. Carrier Frequency: Rx 876.5675 ㎒

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

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
68.9008	23.15	40.00	16.85	100.0	V	327.0	18.5
116.4340	22.48	43.50	21.02	106.8	V	120.0	17.0
166.8814	21.44	43.50	22.06	106.6	V	105.0	19.3
220.4694	19.20	46.00	26.80	106.3	V	163.0	17.9
600.5083	27.59	46.00	18.41	100.0	H	89.0	27.5
959.2287	32.39	46.00	13.61	196.0	H	15.0	32.2

[EUT+Earphone] LTE B26 Middle ch Idle

Full Spectrum



NOTE. 1. Carrier Frequency: Rx 876.6887 ㎒

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

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
42.0505	17.01	40.00	22.99	274.9	V	200.0	19.7
64.1738	16.77	40.00	23.23	174.9	V	189.0	19.1
146.2996	17.48	43.50	26.02	125.0	H	103.0	19.6
262.7922	17.77	46.00	28.23	311.4	H	127.0	19.5
611.6734	27.74	46.00	18.26	225.1	H	44.0	27.6
940.8780	32.07	46.00	13.93	382.1	H	345.0	32.0

6.3 Radiated Emission Above 1 GHz

6.3.1 Operating Condition

The test results of radiated emission provide the following information:

Used Test Standard	FCC CFR 47 PART 15 Subpart B Class B ANSI C63.4-2014
Detector	Peak, CISPR-Average
Bandwidth	1 MHz
Highest Frequency	7 125 MHz
Tested Frequency Range	1 GHz to 40 GHz
Antenna Height	1 m to 4 m
Operating Mode	[EUT+TA] LTE B26 Middle ch Idle [EUT+Earphone] LTE B26 Middle ch Idle
Test Site	3 m Semi Anechoic Chamber #1
Temperature	min. 21.4 °C, max. 25.1 °C
Relative Humidity	min. 36.8 %, max. 48.5 %
Test Date	10.18.2024 ~ 10.23.2024

A field strength is calculated by the following equation.;

Calculation Formula: A = B + C

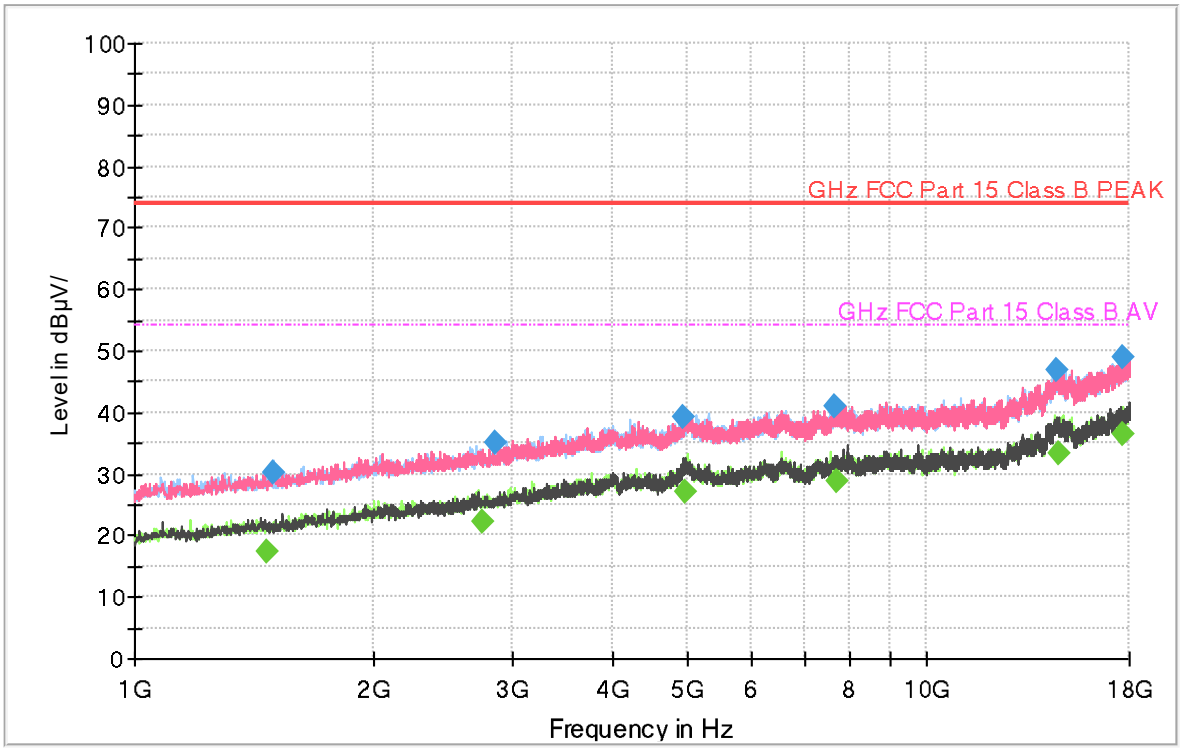
Where
A: Peak or CAverage in dBµV/m (Field strength)
B: Receiver reading in dBµV
C: Corr. in dB (Cable loss + Antenna factor – Amplifier Gain)
Margin in dB = Limit - Peak or CAverage

The measurements' polarities are H and V, where H stands for horizontal and V stands for vertical.

6.3.2 Measurement Data

[EUT+TA] [1-18 GHz] LTE B26 Middle ch Idle

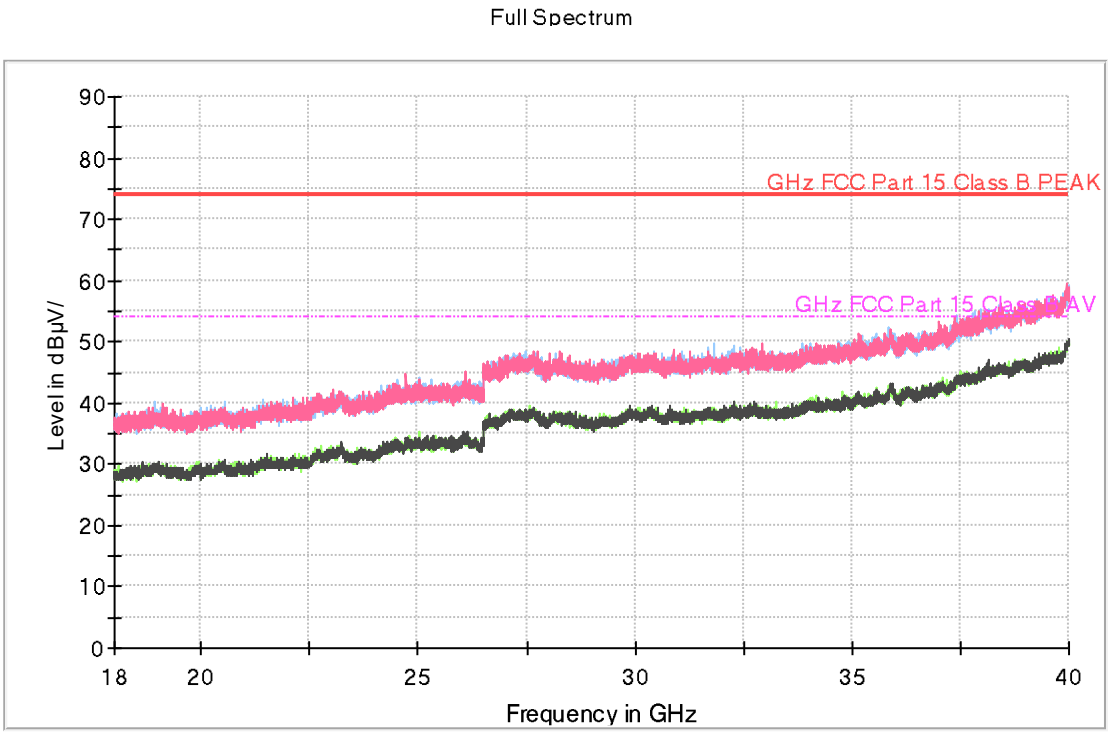
Full Spectrum



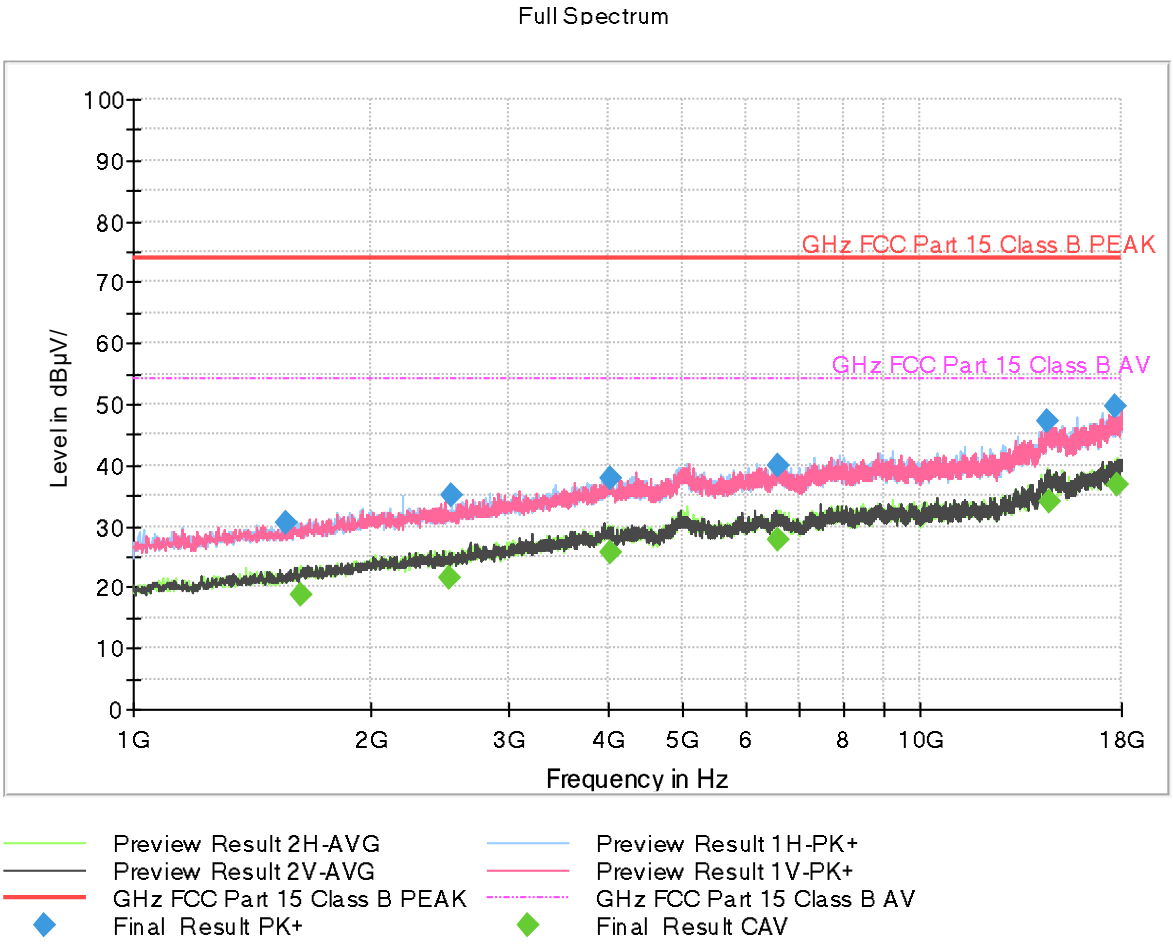
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1500.9300	30.27	74.00	43.73	288.2	H	316.0	-28.7
2843.9950	35.03	74.00	38.97	102.4	H	301.0	-22.1
4924.1400	39.14	74.00	34.86	274.1	H	170.0	-14.8
7660.2300	40.80	74.00	33.20	315.7	H	327.0	-10.3
14606.8200	46.98	74.00	27.02	199.4	H	54.0	0.1
17691.1300	49.02	74.00	24.98	183.8	V	192.0	4.9

Frequency (MHz)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1472.2400	17.44	54.00	36.56	102.3	V	128.0	-28.9
2753.0300	22.19	54.00	31.81	177.7	V	19.0	-22.5
4965.2000	27.00	54.00	27.00	284.1	H	329.0	-14.7
7690.9200	28.75	54.00	25.25	295.5	H	269.0	-10.3
14707.7150	33.41	54.00	20.59	319.2	V	25.0	0.2
17624.3950	36.62	54.00	17.38	325.1	V	20.0	4.6

[EUT+TA] [18-40 GHz] LTE B26 Middle ch Idle



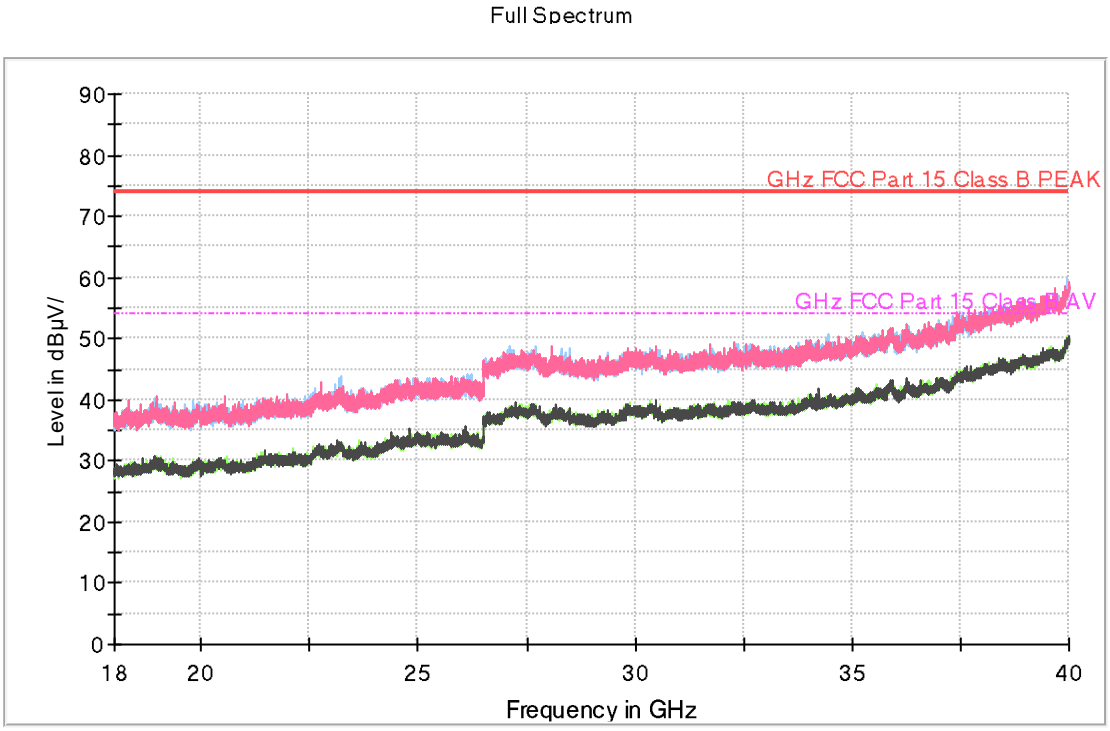
[EUT+Earphone] [1-18 GHz] LTE B26 Middle ch Idle



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1563.4600	30.64	74.00	43.36	189.4	V	30.0	-28.3
2535.2100	35.13	74.00	38.87	325.1	H	26.0	-23.5
4040.3200	37.68	74.00	36.32	114.8	H	3.0	-17.3
6597.2500	40.02	74.00	33.98	224.8	H	335.0	-11.7
14511.5300	47.10	74.00	26.90	113.7	V	128.0	0.0
17719.2900	49.70	74.00	24.30	296.6	H	3.0	5.1

Frequency (MHz)	CAverage (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1629.6950	18.68	54.00	35.32	224.9	H	25.0	-27.9
2525.0800	21.46	54.00	32.54	100.0	H	162.0	-23.6
4029.5250	25.80	54.00	28.20	183.6	H	43.0	-17.4
6604.8050	27.83	54.00	26.17	274.0	H	25.0	-11.7
14595.5900	34.05	54.00	19.95	174.1	V	99.0	0.1
17792.7950	36.84	54.00	17.16	178.0	V	325.0	5.5

[EUT+Earphone] [18-40 GHz] LTE B26 Middle ch Idle



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-2410-FC007-P	October 29, 2024	Initial Release

End of report