

EMI TEST REPORT

FCC CERTIFICATION

Applicant:

SAMSUNG Electronics Co., Ltd.
129, Samsung-ro, Yeongtong-gu, Suwon-si,
Gyeonggi-do, 16677, Korea

Date of Issue: December 13, 2023**Test Report No. HCT-EM-2311-FC003-R1****Test Site: HCT CO., LTD.****FCC ID :****A3LSMG556B**

Rule Part(s) / Standard(s) : 47 CFR PART 15 Subpart B Class B
ANSI C63.4-2014

Product Name : Mobile Phone

Model Name : SM-G556B

Date of Test : November 06, 2023 to November 08, 2023
December 13, 2023

The device bearing the trade name and model specified above, has been shown to comply with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.4-2014. (See Test Report if any modifications were made for compliance)

I attest to the accuracy of data. All measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.

Tested By

Na-Eun Song
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REVISION HISTORY

The revision history for this document is shown in table.

Rev No.	Issue Date	Information About Changes
0	November 13, 2023	Initial Release
1	December 13, 2023	Additional tests for 5G NR n71

The above Test Report is not related to the accredited test result by (KS Q) ISO/IEC 17025 and KOLAS (Korea Laboratory Accreditation Scheme), which signed the ILAC-MRA.

If this report is required to confirmation of authenticity, please contact to www.hct.co.kr



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1. GENERAL INFORMATION

1.1 Description of EUT

FCC ID	A3LSMG556B
Model Name	SM-G556B
Product Name	Mobile Phone
Frequency Band	GSM 850/1900, WCDMA B2/4/5, LTE B2/4/5/7/12/13/17/26/38/40/41/66, 5G NR n5/26/41/66/71/77/78 Bluetooth, WLAN 802.11 b/g/n/a/ac, GNSS, NFC
Manufacturer	SAMSUNG Electronics Co., Ltd.

1.2 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-G556B	-	SAMSUNG
TA*	EP-TA800	-	SOLUM
Data Cable	EP-DN980	-	KSD
Earphone	EHS64AVFWE	-	CRESYN
Cradle	KOAMTAC-2SCC	-	KOAMTAC

[*] 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



1.3 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
	3.5ø Earjack	N/A	N	(D) 1.2
	2 Pin	N	N/A	-
Cradle	USB Type C	Y	N/A	(P) 1.0

"(D)" Data Cable and "(P)" Power Cable.

1.4 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
	3.5ø Earjack	N	N/A	Y	EUT End
	2 Pin	N	N/A	N	N/A
Cradle	USB Type C	N	N/A	Y	Both End



1.5 Test Facility

Test site is located at 74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, Korea. Those 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)

1.6 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.

1.7 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.

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



2. LIST OF TEST EQUIPMENT

<u>Type</u>	<u>Model Name</u>	<u>Manufacturer</u>	<u>Serial Number</u>	<u>Calibration Cycle</u>	<u>Next Calibration Date</u>
<u>Conducted Emission</u>					
☐ EMI Test Receiver	ESR7	Rohde & Schwarz	101910	1 year	05.26.2024
☐ LISN	ENV216	Rohde & Schwarz	102245	1 year	08.02.2024
☐ Antenna (for Communication)	HyperLOG7060	Aaronia	66450	-	-
☐ Antenna (for Communication)	HyperLOG7060	Aaronia	66451	-	-
☐ Software	EMC32	Rohde & Schwarz	-	-	-
<u>Radiated Emission</u>					
-For measurement below 1 GHz					
☒ EMI Test Receiver	ESU40	Rohde & Schwarz	100524	1 year	05.09.2024
☒ 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	09.22.2024
☒ Universal radio communication tester	CMU200	Rohde & Schwarz	107569	1 year	08.28.2024
☒ Mobile communication test set	CMW500	Rohde & Schwarz	103246	1 year	08.28.2024
☒ Radio communication analyzer	MT8821C	ANRITSU	6262192376	1 year	10.17.2024
☒ Antenna (for Communication)	HyperLOG7060	Aaronia	66450	-	-
☒ Radio communication analyzer	MT8000A	ANRITSU	6262208294	1 year	10.17.2024
☒ Antenna (for Communication)	HyperLOG7060	Aaronia	66451	-	-
☒ Software	EMC32	Rohde & Schwarz	-	-	-
-For measurement above 1 GHz					
☒ EMI Test Receiver	ESU40	Rohde & Schwarz	100524	1 year	05.09.2024
☒ 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	11.01.2024
☒ Low Noise Amplifier	TK-PA1840H	TESTEK	170030-L	1 year	02.22.2024
☒ Horn Antenna	BBHA 9120D	Schwarzbeck	01836	1 year	07.21.2024
☒ Horn Antenna	BBHA 9170	Schwarzbeck	BBHA 9170 #786	1 year	11.01.2024
☒ Radio communication analyzer	MT8821C	ANRITSU	6262192376	1 year	10.17.2024
☒ Mobile communication test set	CMW500	Rohde & Schwarz	103246	1 year	08.28.2024
☐ Universal radio communication tester	CMU200	Rohde & Schwarz	107488	1 year	09.22.2024
☒ Universal radio communication tester	CMU200	Rohde & Schwarz	107569	1 year	08.28.2024
☒ Antenna (for Communication)	HyperLOG7060	Aaronia	66450	-	-
☒ Radio communication analyzer	MT8000A	ANRITSU	6262208294	1 year	10.17.2024
☒ Antenna (for Communication)	HyperLOG7060	Aaronia	66451	-	-
☒ Software	EMC32	Rohde & Schwarz	-	-	-



3. DESCRIPTION OF TEST

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 ranges from 150 kHz to 30 MHz was searched.

Conducted Emission Limits

Frequency (MHz)	Resolution Bandwidth (kHz)	Quasi-Peak (dB(μV))	Average (dB(μV))
0.15 to 0.5	9	66 to 56*	56 to 46*
0.5 to 5	9	56	46
5 to 30	9	60	50

**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

- 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.
- The EUT was set 3 m away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- 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.
- 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.
- 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.
- 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.
- 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

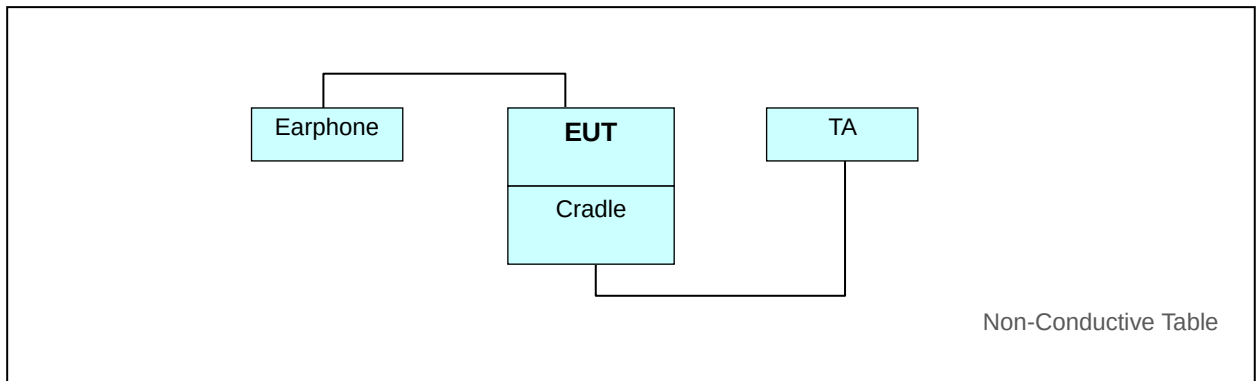
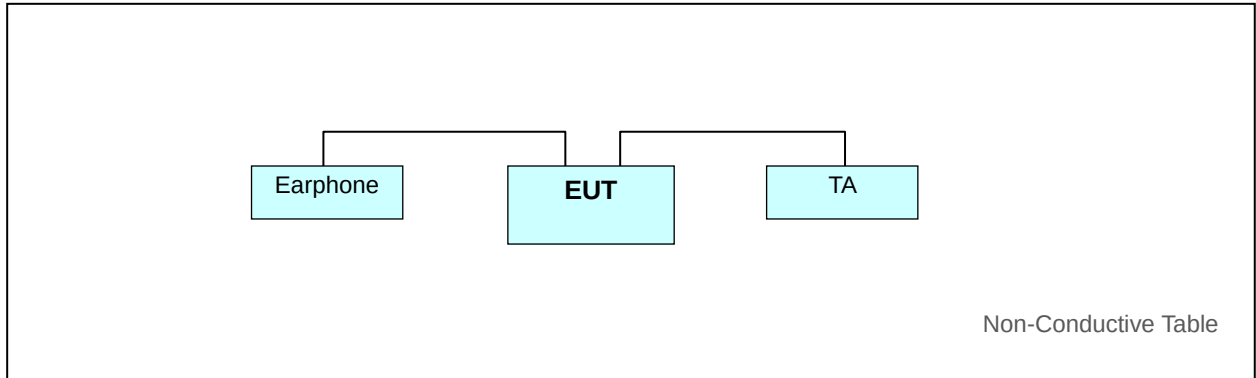
Frequency (MHz)	Antenna Distance (m)	Field Strength ($\mu V/m$)	Quasi-Peak (dB $\mu V/m$)
30 to 88	3	100	40.0
88 to 216	3	150	43.5
216 to 960	3	200	46.0
Above 960	3	500	54.0
Frequency (MHz)	Antenna Distance (m)	Peak (dB $\mu V/m$)	Average (dB $\mu V/m$)
Above 1 000	3	74	54

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	5 th harmonic of the highest frequency or 40 GHz, whichever is lower



3.3 Configuration of Tested System





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)
 Receiver mode(5G NR n26_Low/Middle/High ch)
 Receiver mode(5G NR n71_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.

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+Earphone]	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+5G NR n26 Low ch Idle
	LTE B26+5G NR n26 Middle ch Idle
	LTE B26+5G NR n26 High ch Idle *
	5G NR n71 Low ch Idle
	5G NR n71 Middle ch Idle*
	5G NR n71 High ch Idle
[EUT+TA+Earphone+Cradle]	LTE B5+5G NR n5 Low ch Idle*

**Radiated Emission above 1 GHz**

[EUT+TA+Earphone]	LTE B5+5G NR n5 Low ch Idle *
	LTE B12(B17)+B13 Low ch Idle
	LTE B26+5G NR n26 High ch Idle
	5G NR n71 Middle ch Idle
[EUT+TA+Earphone+Cradle]	LTE B5+5G NR n5 Low 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. TEST SUMMARY

5.1 Conducted Emission

5.1.1 Test Condition

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

Used Test Standard	47 CFR PART 15 Subpart B Class B ANSI C63.4-2014
Power Supply	AC 120 V, 60 Hz
Frequency Range	150 kHz to 30 MHz
Detector	Quasi-Peak, CISPR-Average
Bandwidth	9 kHz (6 dB)
Operating Mode	-
Test Site	EMI Shield Room
Temperature	min. - °C, max. - °C
Humidity	min. - % R.H., max. - % R.H.
Test Date	-

A Conducted emission is calculated by the following equation:

Measurement Result:

Calculation Formula: QuasiPeak or CAverage= Receiver Reading+Corr.
Corr. = LISN Factor+Cable Loss
Margin = Limit – QuasiPeak or CAverage

5.1.2 Measuring Data

Not applicable



5.2 Radiated Emission Below 1 GHz

5.2.1 Test Condition

The test results of radiated emission provide the following information:

Used Test Standard	47 CFR PART 15 Subpart B Class B ANSI C63.4-2014
Power Supply	AC 120 V, 60 Hz
Frequency Range	30 MHz to 1 000 MHz
Detector / Bandwidth	Detector type: Quasi-Peak Bandwidth: 120 kHz (6 dB)
Measurement Distance	3 m
Antenna Measurement Height	1 m to 4 m
Antenna Polarity	Horizontal, Vertical
Operating Mode of Worst case	[EUT+TA+Earphone] LTE B5+5G NR n5 Low ch Idle LTE B12(B17)+B13 Low ch Idle LTE B26+5G NR n26 High ch Idle 5G NR n71 Middle ch Idle [EUT+TA+Earphone+Cradle] LTE B5+5G NR n5 Low ch Idle
Test Site	3 m Semi Anechoic Chamber #1
Temperature	min. 22.0 °C, max. 24.7 °C / min. 20.9 °C, max. 22.6 °C
Humidity	min. 43.2 % R.H., max 52.7 % R.H. / min. 34.3 % R.H., max 39.1 % R.H.
Test Date	November 06, 2023 to November 07, 2023 / December 13, 2023

A field strength is calculated by the following equation.

Measurement Result:

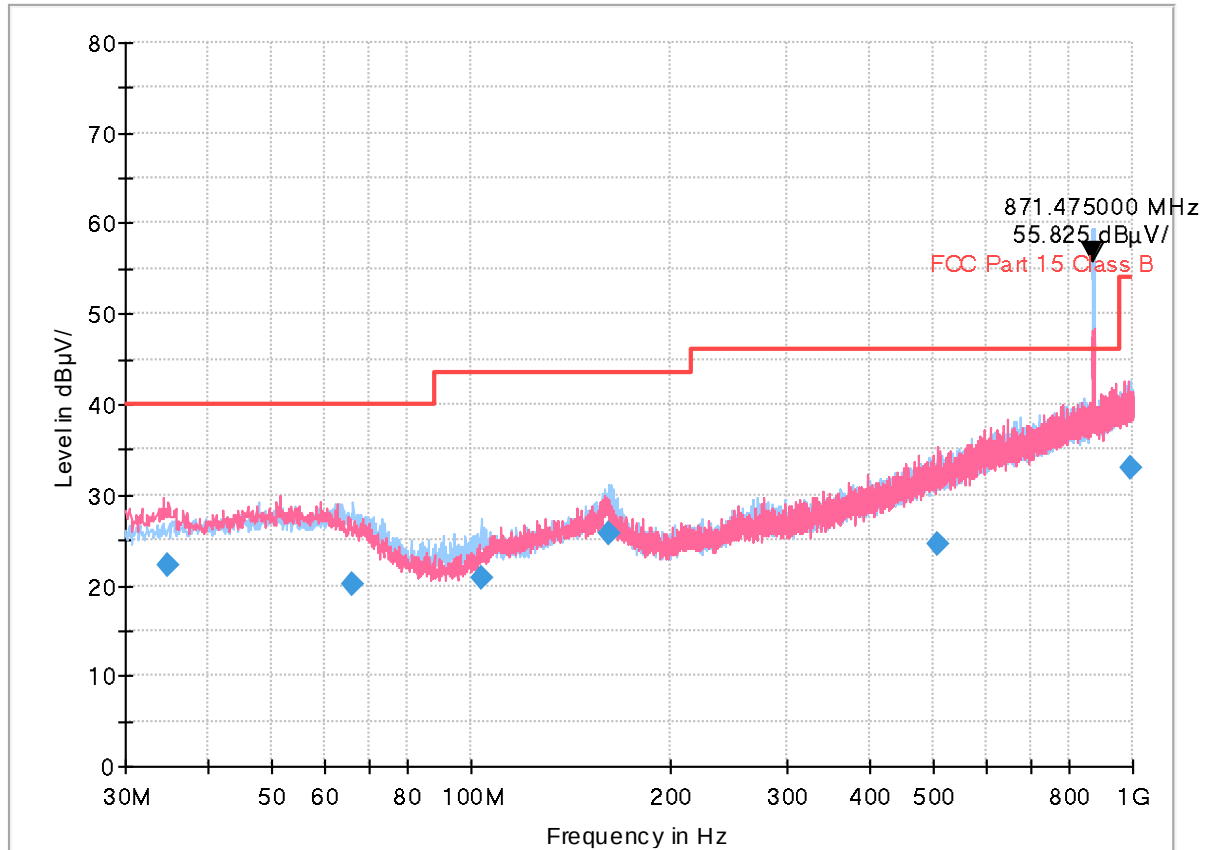
Calculation Formula: $\text{QuasiPeak} = \text{Reading (Receiver Reading)} + \text{Corr.}$
 $\text{Corr. (Correction Factor)} = \text{Antenna Factor} + \text{Cable Loss}$
 $\text{Margin} = \text{Limit} - \text{QuasiPeak}$



5.2.2 Measuring Data

Figure 1: [EUT+TA+Earphone] LTE B5+5G NR n5 Low ch Idle

Full Spectrum



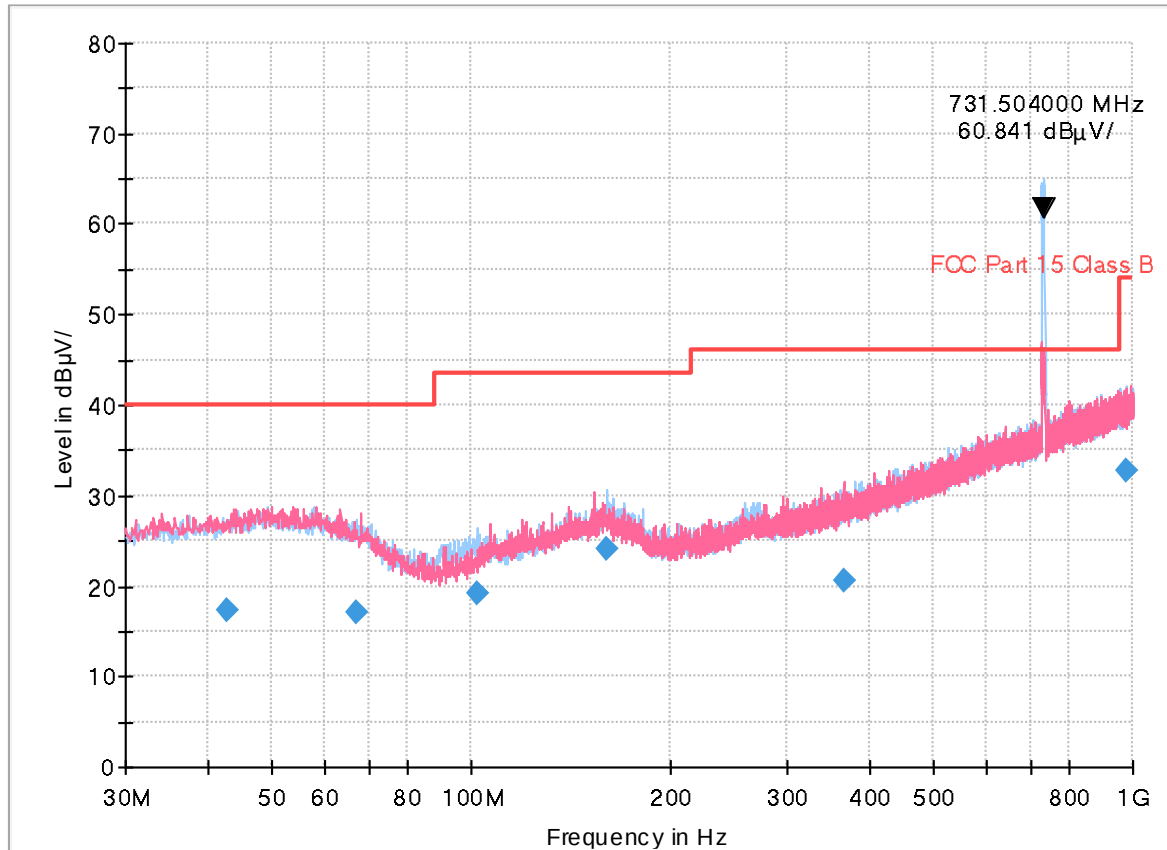
NOTE. 1. Carrier Frequency: Rx 871.4750 MHz
2. These are signals for fundamental frequency from the base station

Frequency (MHz)	Quasi Peak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna Height (cm)	POL. (H/V)	Azimuth (deg)	Corr. (dB)
34.8263	22.28	40.00	17.72	100.0	V	1.0	18.9
65.9017	20.15	40.00	19.85	285.9	H	246.0	18.7
103.4563	20.74	43.50	22.76	286.7	H	60.0	15.6
161.8013	25.79	43.50	17.71	174.8	H	211.0	19.6
506.1659	24.46	46.00	21.54	100.0	V	90.0	25.5
992.9087	32.92	54.00	21.08	185.7	H	26.0	32.7



Figure 2: [EUT+TA+Earphone] LTE B12(B17)+B13 Low ch Idle

Full Spectrum



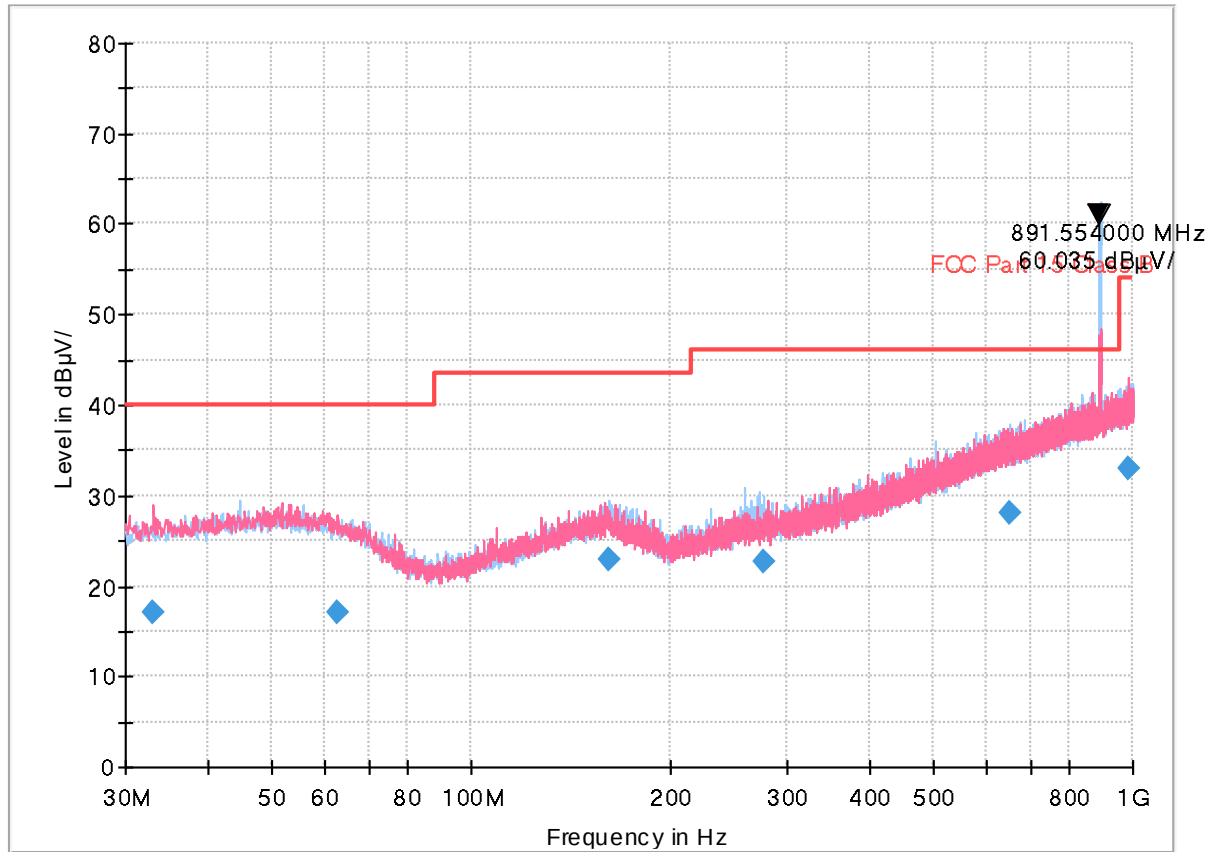
NOTE. 1. Carrier Frequency: Rx 731.5040 MHz
 2. These are signals for fundamental frequency from the base station

Frequency (MHz)	Quasi Peak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna Height (cm)	POL. (H/V)	Azimuth (deg)	Corr. (dB)
42.7823	17.35	40.00	22.65	185.8	V	328.0	19.6
66.9412	16.98	40.00	23.02	110.8	H	46.0	18.6
102.0657	19.22	43.50	24.28	202.9	H	265.0	15.4
160.3301	23.99	43.50	19.51	100.0	H	18.0	19.8
365.0874	20.52	46.00	25.48	201.9	V	173.0	22.2
981.1328	32.80	54.00	21.20	181.0	H	106.0	32.5



Figure 3: [EUT+TA+Earphone] LTE B26+5G NR n26 High ch Idle

Full Spectrum



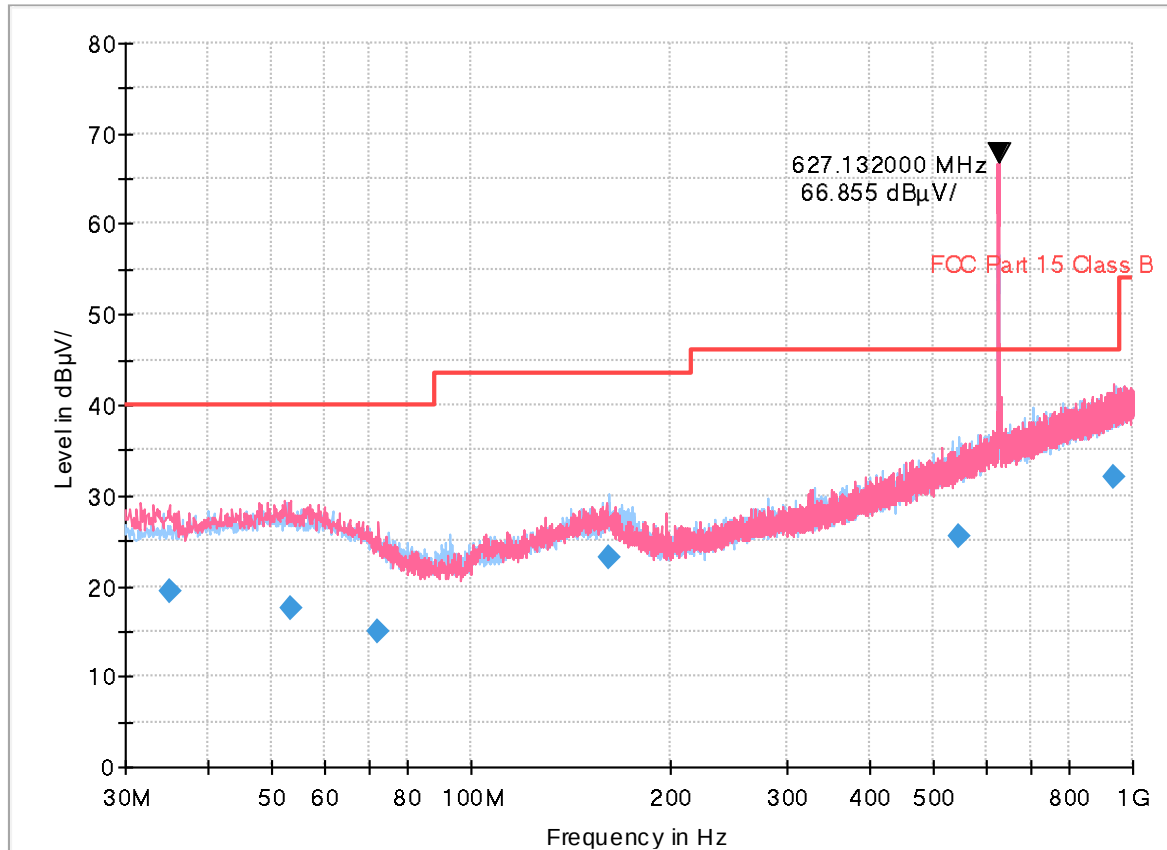
NOTE. 1. Carrier Frequency: Rx 891.5540 MHz
 2. These are signals for fundamental frequency from the base station

Frequency (MHz)	Quasi Peak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna Height (cm)	POL. (H/V)	Azimuth (deg)	Corr. (dB)
33.0862	17.11	40.00	22.89	202.9	V	306.0	18.7
62.9916	17.00	40.00	23.00	321.9	V	0.0	19.1
160.9128	23.04	43.50	20.46	100.0	H	16.0	19.7
275.9402	22.62	46.00	23.38	125.3	H	6.0	19.7
651.2992	28.00	46.00	18.00	109.9	H	116.0	28.2
985.8355	32.96	54.00	21.04	125.1	V	109.0	32.6



Figure 4: [EUT+TA+Earphone] 5G NR n71 Mid ch Idle

Full Spectrum



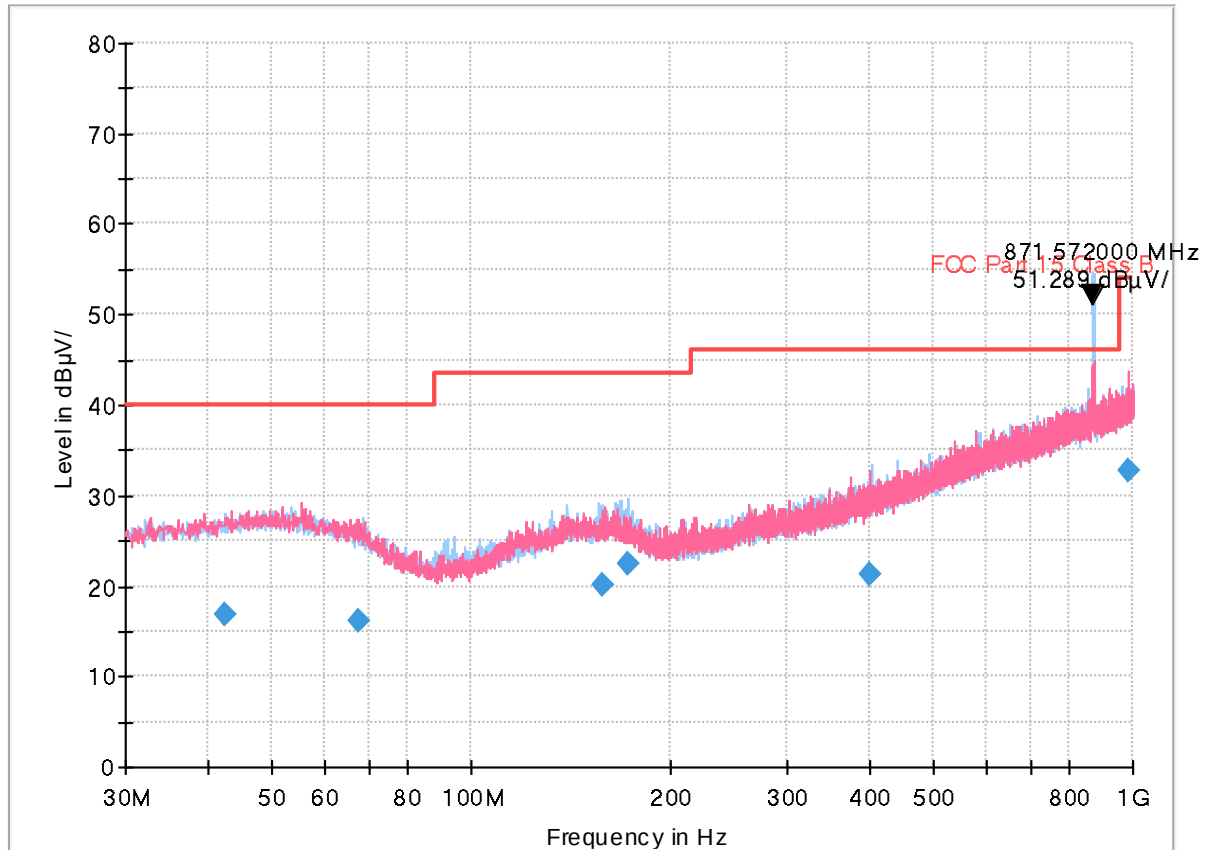
NOTE. 1. Carrier Frequency: Rx 627.1320 MHz
2. These are signals for fundamental frequency from the base station

Frequency (MHz)	Quasi Peak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Antenna Height (cm)	POL. (H/V)	Azimuth (deg)	Corr. (dB)
34.9291	19.30	40.00	20.70	110.8	V	353.0	18.9
53.1786	17.53	40.00	22.47	110.9	V	0.0	20.0
72.3605	14.94	40.00	25.06	183.7	V	154.0	17.6
160.9978	23.11	43.50	20.39	185.7	H	215.0	19.7
544.2544	25.52	46.00	20.48	185.7	H	115.0	26.3
932.6766	32.03	46.00	13.97	219.8	V	30.0	32.0



Figure 5: [EUT+TA+Earphone+Cradle] LTE B5+5G NR n5 Low ch Idle

Full Spectrum



NOTE. 1. Carrier Frequency: Rx 871.5720 MHz
 2. These are signals for fundamental frequency from the base station

Frequency (MHz)	Quasi Peak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna Height (cm)	POL. (H/V)	Azimuth (deg)	Corr. (dB)
42.5348	16.90	40.00	23.10	105.8	H	227.0	19.6
67.6350	16.25	40.00	23.75	125.0	V	336.0	18.5
157.5101	20.23	43.50	23.27	125.2	V	136.0	19.7
172.9107	22.49	43.50	21.01	183.7	H	296.0	18.8
399.6028	21.40	46.00	24.60	100.0	V	92.0	23.1
984.9378	32.83	54.00	21.17	107.7	V	305.0	32.6



5.3 Radiated Emission Above 1 GHz

5.3.1 Test Condition

The test results of radiated emission provide the following information:

Used Test Standard	47 CFR PART 15 Subpart B Class B ANSI C63.4-2014
Power Supply	AC 120 V, 60 Hz
Detector / Bandwidth	Detector type: Peak, CISPR-Average Bandwidth: 1 MHz
Highest Frequency	5 825 MHz
Tested Frequency Range	1 GHz to 40 GHz
Measurement Distance	3 m
Antenna Measurement Height	1 m to 4 m
Antenna Polarity	Horizontal, Vertical
Operating Mode of Worst case	[EUT+TA+Earphone] LTE B5+5G NR n5 Low ch Idle [EUT+TA+Earphone+Cradle] LTE B5+5G NR n5 Low ch Idle
Test Site	3 m Semi Anechoic Chamber #1
Temperature	min. 22.3 °C, max. 24.4 °C / min. 20.9 °C, max. 22.6 °C
Humidity	min. 42.4 % R.H., max 52.0 % R.H. / min. 34.3 % R.H., max 39.1 % R.H.
Test Date	November 07, 2023 to November 08, 2023 / December 13, 2023

A field strength is calculated by the following equation.

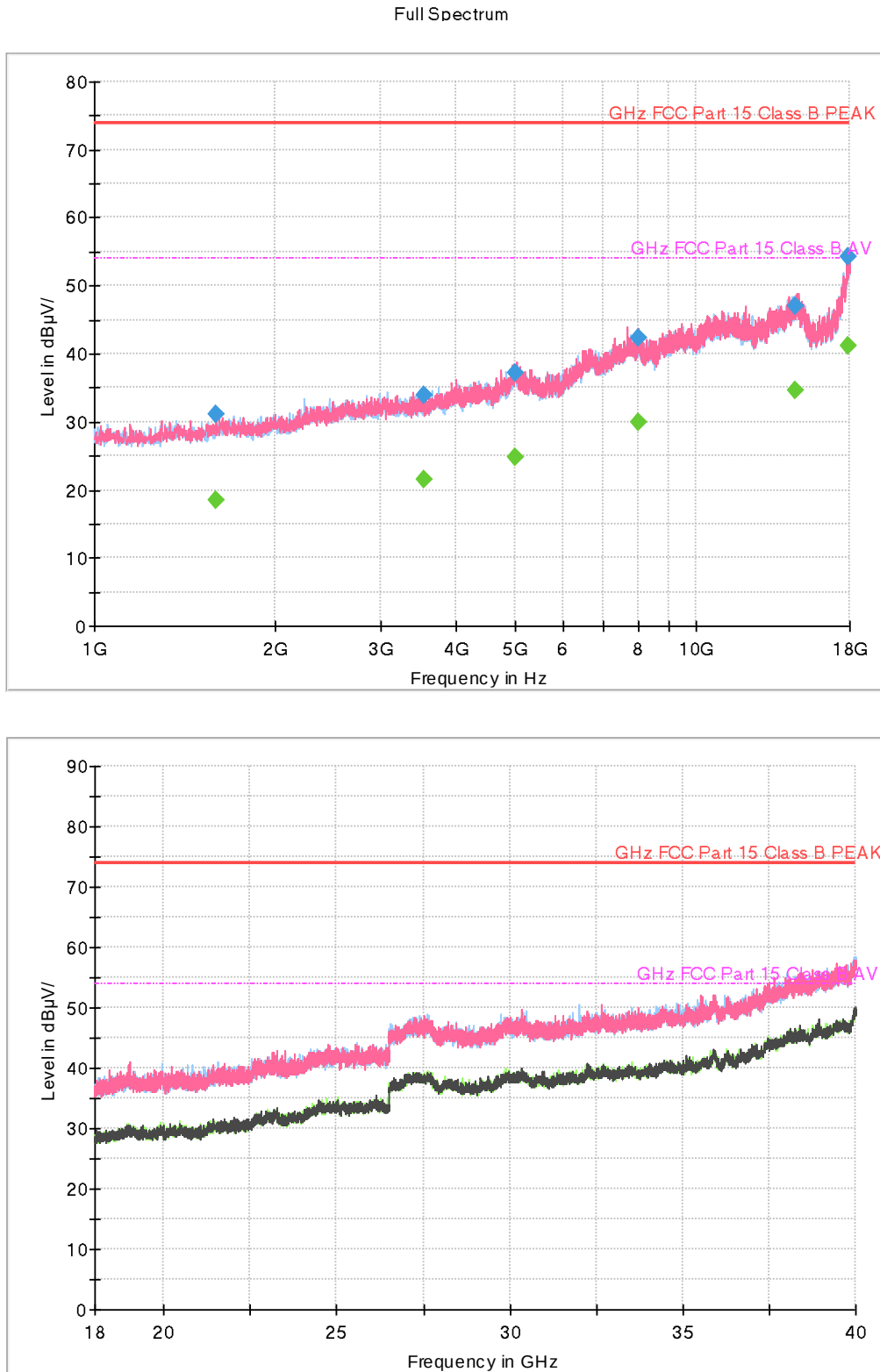
Measurement Result:

Calculation Formula: Peak or CAverage = Reading (Receiver Reading)+Corr.
Corr. (Correction Factor) = Antenna Factor+Cable Loss-Amplifier gain
Margin = Limit - Peak or CAverage



5.3.2 Measuring Data

Figure 6: [EUT+TA+Earphone] LTE B5+5G NR n5 Low ch Idle



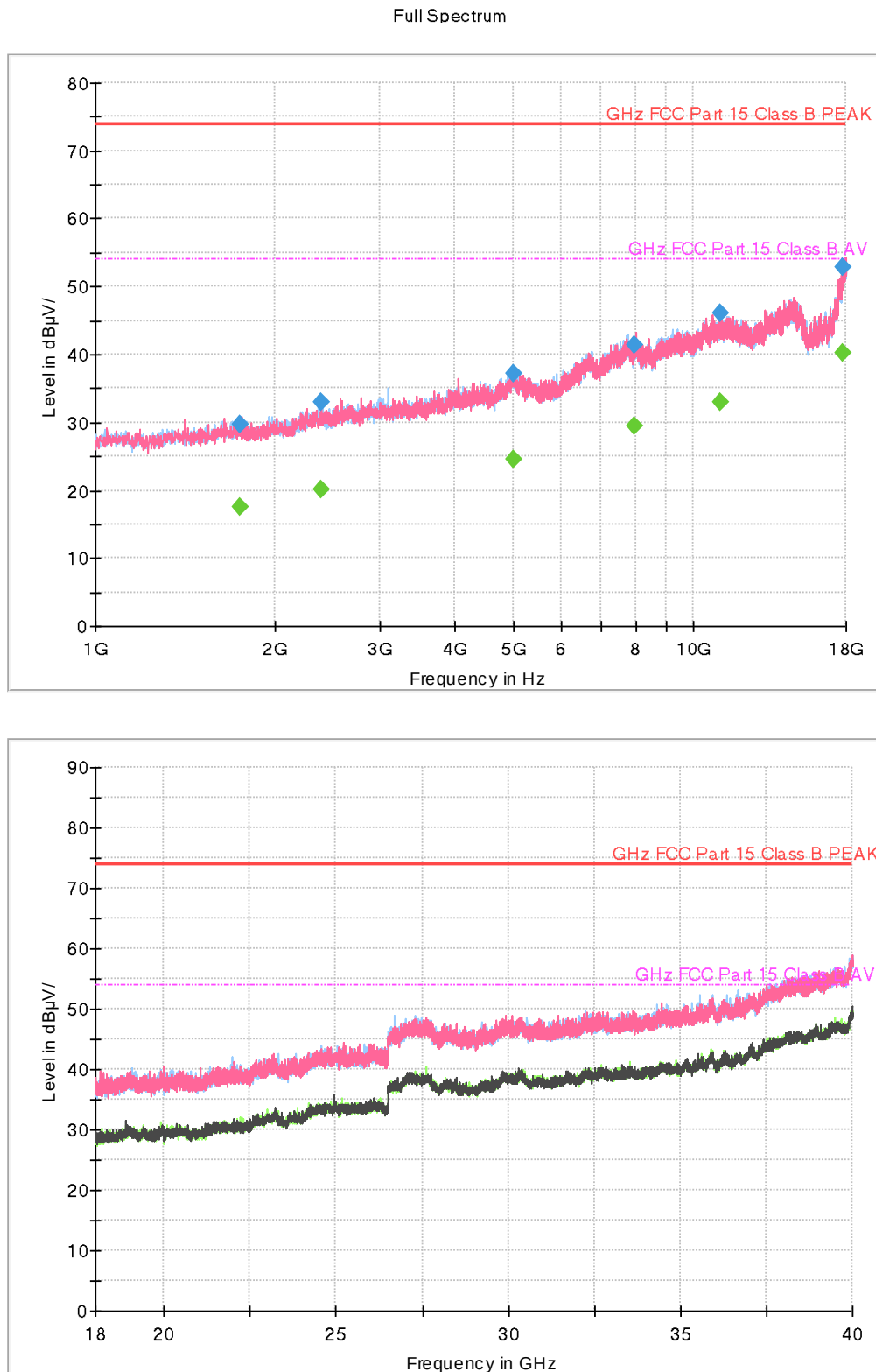


Frequency (MHz)	Peak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Antenna Height (cm)	POL. (H/V)	Azimuth (deg)	Corr. (dB)
1597.1850	31.06	74.00	42.94	291.8	V	288.0	-29.5
3520.4250	34.00	74.00	40.00	125.1	H	84.0	-22.7
5006.5450	37.22	74.00	36.78	200.9	V	69.0	-17.5
8023.0050	42.27	74.00	31.73	225.2	V	39.0	-10.1
14582.0650	47.06	74.00	26.94	225.1	H	4.0	0.0
17837.2100	54.37	74.00	19.63	125.2	H	240.0	8.5

Frequency (MHz)	CAverage (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Antenna Height (cm)	POL. (H/V)	Azimuth (deg)	Corr. (dB)
1597.1850	18.53	54.00	35.47	291.8	V	288.0	-29.5
3520.4250	21.56	54.00	32.44	125.1	H	84.0	-22.7
5006.5450	24.79	54.00	29.21	200.9	V	69.0	-17.5
8023.0050	30.01	54.00	23.99	225.2	V	39.0	-10.1
14582.0650	34.62	54.00	19.38	225.1	H	4.0	0.0
17837.2100	41.11	54.00	12.89	125.2	H	240.0	8.5



Figure 7: [EUT+TA+Earphone+Cradle] LTE B5+5G NR n5 Low ch Idle





Frequency (MHz)	Peak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Antenna Height (cm)	POL. (H/V)	Azimuth (deg)	Corr. (dB)
1749.3600	29.78	74.00	44.22	174.8	V	340.0	-28.9
2385.0900	33.03	74.00	40.97	216.8	H	5.0	-26.0
5014.0450	37.22	74.00	36.78	217.7	H	18.0	-17.5
7962.4250	41.40	74.00	32.60	322.9	V	357.0	-10.1
11085.7700	46.16	74.00	27.84	325.0	V	324.0	-3.7
17785.6150	52.78	74.00	21.22	117.9	H	326.0	7.8

Frequency (MHz)	CAverage (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Antenna Height (cm)	POL. (H/V)	Azimuth (deg)	Corr. (dB)
1749.3600	17.43	54.00	36.57	174.8	V	340.0	-28.9
2385.0900	20.02	54.00	33.98	216.8	H	5.0	-26.0
5014.0450	24.60	54.00	29.40	217.7	H	18.0	-17.5
7962.4250	29.36	54.00	24.64	322.9	V	357.0	-10.1
11085.7700	33.02	54.00	20.98	325.0	V	324.0	-3.7
17785.6150	40.25	54.00	13.75	117.9	H	326.0	7.8



6. APPENDIX A. TEST SETUP PHOTO

Please refer to EMI Test Setup Photo and test setup photo file no. as follows;

Rev. No.	Issue Date	File No.
0	November 13, 2023	HCT-EM-2311-FC003-P

End of report