

TEST REPORT

EMC Test for DNS-EB70

APPLICANT
D&Shine Co. Ltd.

REPORT NO.
HCT-EM-2605-FC003

DATE OF ISSUE
May 15, 2026

Tested by
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TEST REPORT

FCC Certification

REPORT NO.

HCT-EM-2605-FC003

DATE OF ISSUE

May 15, 2026

FCC ID.

2BUPW-EB70

Applicant

D&Shine Co. Ltd.

B-B134, 140 Tongil-ro, Deogyang-gu, Goyang-si, Gyeonggi-do,
10594, Republic of Korea

Product Name

Self-Diagnostic Emergency Bell

Model Name

DNS-EB70

Date of Test

April 21, 2026 to April 30, 2026

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 A
ANSI C63.4-2014

Test Results

Refer to the present document

Manufacturer

D&Shine Co. Ltd.

REVISION HISTORY

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

Revision No.	Date of Issue	Description
0	May 15, 2026	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, 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.	2BUPW-EB70
Product Name	Self-Diagnostic Emergency Bell
Model Name	DNS-EB70
Frequency Range	RF Receiver Module : 447.9 MHz (Rx only) LTE B2 : (Tx) 1850 MHz ~ 1910 MHz / (Rx) 1930 MHz ~ 1990 MHz LTE B4 : (Tx) 1710 MHz ~ 1755 MHz / (Rx) 2110 MHz ~ 2155 MHz LTE B12 : (Tx) 699 MHz ~ 716 MHz / (Rx) 728 MHz ~ 746 MHz Wi-Fi 2.4 GHz : 2 412 MHz ~ 2 462 MHz
Rated Power	Rating: DC 12 V, 1.8 A
Manufacturer	D&Shine Co. Ltd.

- This product uses built-in battery as power source. (Li-ion battery 3.7 V * 1 EA)

2.2 Debug Information



At the request of the manufacturer, A ferrite Bead is attached on the cable.

2.3 Power Source

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

- AC 120 V, 60 Hz

2.4 Tested System Details

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

Device Type	Model Name	Serial Number	Manufacturer	Note
Self-Diagnostic Emergency Bell	DNS-EB70	-	D&Shine Co. Ltd.	EUT
Adapter	DZ024FTL120200K	-	Guangdong Keerda Electronics Co., Ltd	a)
Warning Light	S80ADR	230718	Qlight CO.,LTD.	-
Wireless Call Button	DNS-ES20	Q599	D&Shine Co. Ltd.	-

a) The AC adapter is not included in the box with the EUT.
INPUT: 100~240 VAC, 50/60 Hz, 0.8 A
OUTPUT: 12.0 VDC, 2.0 A

2.5 Cable Description

Product Name	Port		Power Cord Shielded (Y/N)	I/O Cable Shielded (Y/N)	Length (m)
EUT	9 pin	-	Y	Y	(P,D) 2.2
		2 pin	N/A	N	(D) 2.7
		DC IN	N	N/A	(P) 1.5
	SIM Slot		N/A	N/A	-

(D) Data cable, (P) Power cable

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

Product Name	Port		Ferrite Bead (Y/N)	Location	Metal Hood (Y/N)	Location
EUT	9 pin	-	Y	EUT End	Y	EUT End
		2 pin	N	N/A	N	N/A
		DC IN	N	N/A	Y	EUT End
	SIM Slot		N/A	N/A	N/A	N/A

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 $50\ \Omega$ / $50\ \mu\text{H}$ 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)	Class A Quasi-Peak (dB μ V)	Class A Average (dB μ V)	Class B Quasi-Peak (dB μ V)	Class B Average (dB μ V)
0.15 to 0.5	79	66	66 to 56*	56 to 46*
0.5 to 5	73	60	56	46
5 to 30	73	60	60	50

NOTE. The more stringent limit applies at transition frequencies.

[*] The limit level in dB μ V decreases linearly with the logarithm of frequency.

3.2 Antenna Conducted Power Measurements

The test procedure was in accordance with ANSI C63.4-2014, Clause 12.2.6.

Antenna-conducted power measurements shall be performed on each broadcast reception tuner input in accordance with the requirements of the applicable regulatory authority. For example, see 47 CFR paragraph 15.111 and ANSI C63.4 paragraph 12.1.5 and Appendix H5 (test method) with the following clarifications:

- a. With the TV tuned to each channel [e.g., channel 2 to channel 69], the level of the local oscillator frequency and the second harmonic shall be measured and recorded for each tuner.
- b. Antenna-conducted power measurements shall be performed with the EUT antenna terminals connected directly to either a spectrum analyzer or another measurement instrument conforming to ANSI C63.2 or CISPR 16-1 or the latest revision thereof, if the antenna impedance matches the impedance of the measuring instrument.

Otherwise, use a balun or impedance-matching network to connect the measuring instrument to the antenna terminals of the EUT. Manufacturer-supplied interconnect cabling or wiring shall be used, or if none is supplied, the cable shall be commercially available and a maximum of 2 m in length. Losses in decibels in any balun or impedance-matching network used shall be added to the measured value in dB μ V.

Antenna Conducted Power Emission Limits

Frequency (MHz)	Limits (dB μ V)	
	Quasi-Peak	Peak
30 to 1 000	51.7	-
1 000 to 2 150	-	51.7

3.3 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

Frequency (MHz)	Class A			Class B		
	Antenna Distance (m)	Field Strength ($\mu\text{V/m}$)	Quasi-Peak (dB $\mu\text{V/m}$)	Antenna Distance (m)	Field Strength ($\mu\text{V/m}$)	Quasi-Peak (dB $\mu\text{V/m}$)
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 (MHz)	Antenna Distance (m)	Class A		Class B		
		Peak (dB $\mu\text{V/m}$)	Average (dB $\mu\text{V/m}$)	Peak (dB $\mu\text{V/m}$)	Average (dB $\mu\text{V/m}$)	
Above 1 000	3	80	60	74	54	

Frequency Range of Radiated Measurements

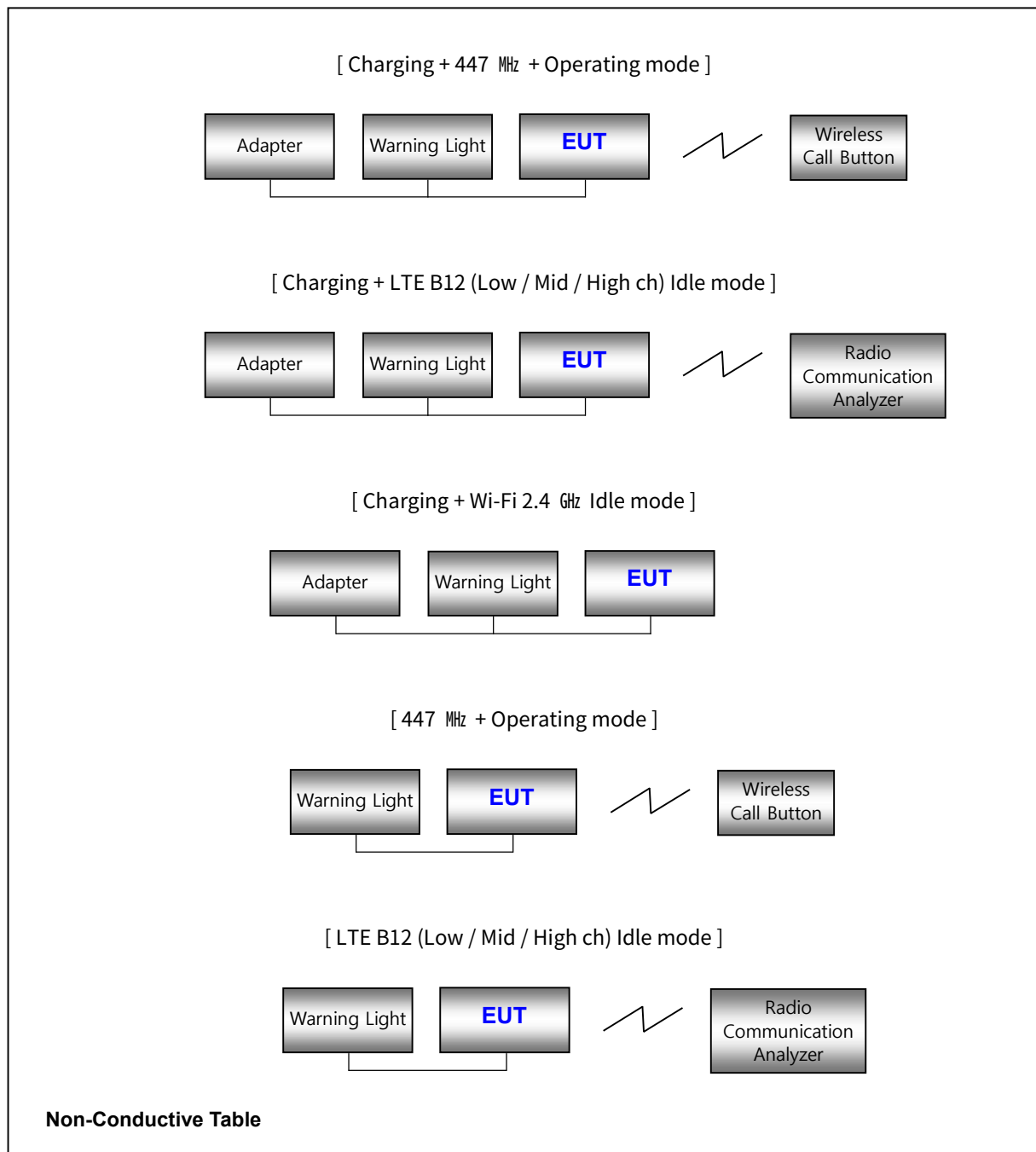
An unintentional radiator, including a digital device, the spectrum shall be investigated from the lowest radio frequency signal generated or used in the device, without going below the lowest frequency for which a Radiated Emission limit is specified, up to the frequency shown in the following table

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

3.4 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.



3.5 Operation of EUT

During the preliminary and final tests, the following operating mode was investigated.
The following operating mode was tested after connecting all peripheral devices.

Operating Mode:	[EUT + Adapter]	Charging + 447 MHz + Operating mode
		Charging + LTE B12 Low ch Idle mode
		Charging + LTE B12 Mid ch Idle mode
		Charging + LTE B12 High ch Idle mode
		Charging + Wi-Fi 2.4 GHz Idle mode
	[EUT]	447 MHz + Operating mode
		LTE B12 Low ch Idle mode
		LTE B12 Mid ch Idle mode
		LTE B12 High ch Idle mode

Charging mode

The EUT was tested while charging using 12 V AC Adapter.

447 MHz + Operating mode

The EUT was tested in state the alarm sounding and the warning light operating.

The EUT and wireless call button was connected wirelessly, and they continuously communicating using the 447 MHz frequency.

LTE B12 Idle mode

The EUT was tested in idle mode on the LTE B12 Low, Mid and High channels.

Wi-Fi 2.4 GHz Idle mode

The EUT was tested in Wi-Fi Idle mode. (Wi-Fi only works in charging mode.)

4. TEST SITES CONDITIONS

4.1 Test Facility

The SAC (Semi Anechoic Chamber) and conducted measurement facilities used for collecting radiated data were constructed in accordance with the requirements of ANSI C63.4-2014 + 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)

4.2 Measuring Instrument Calibration

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.

4.3 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 UCISPR measurement uncertainty values specified in CISPR 16-4-2 and, thus, can be compared directly to specified limits to determine compliance.

Phenomenon	Test Site (Chamber)	Expanded Uncertainty	
Conducted Emission	EMI Shield Room	2.0 dB	
Antenna Conducted Power Emission	EMI Shield Room	N/A	
Radiated emission	10 m Semi Anechoic Chamber #1	30 MHz to 1 GHz	5.0 dB
	10 m Semi Anechoic Chamber #1	1 GHz to 18 GHz	4.8 dB
	10 m Semi Anechoic Chamber #1	18 GHz to 40 GHz	N/A

4.4 Decision Rules and Statements of Conformity

Simple Acceptance

5. MEASURING EQUIPMENT

Type	Model Name	Manufacturer	Serial Number	Cal. Cycle	Next Cal. Date (yy.mm.dd)
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Conducted emission

☒	EMI Test Receiver	ESR7	ROHDE&SCHWARZ	101910	1 year	2026.08.20
☒	LISN	ENV216	ROHDE&SCHWARZ	102245	1 year	2026.07.15
☐	LISN	ENV216	ROHDE&SCHWARZ	100073	1 year	2026.11.12
☒	Radio Communication Analyzer	MT8821C	Anritsu	6262192376	1 year	2026.09.30
☒	Software	EMC32	ROHDE&SCHWARZ	-	N/A	-

Antenna conducted power emission

☐	EMI Test Receiver	ESCI	ROHDE&SCHWARZ	100584	1 year	2027.05.08
☐	Impedance Matching Pad	PE7070	PASTERNAK	5	1 year	2027.01.07
☐	Software	EMC32	ROHDE&SCHWARZ	-	N/A	-

Radiated emission up to 1 GHz

☒	EMI Test Receiver	ESU26	Rohde & Schwarz	100241	1 year	2026.05.27
☒	Bilog Antenna	VULB 9168	Schwarzbeck	847	2 year	2028.04.20
☒	Low Noise Amplifier	TK-PA01S	TESTEK	200112-L	1 year	2027.02.20
☒	Antenna Mast	MA4000-EP	INNCO systems	-	N/A	-
☒	Turn Table	DT3000-3t	INNCO systems	DT3000/69	N/A	-
☒	Radio Communication Analyzer	MT8821C	Anritsu	6262192376	1 year	2026.09.30
☒	Software	EMC32	ROHDE&SCHWARZ	-	N/A	-

Type	Model Name	Manufacturer	Serial Number	Cal. Cycle	Next Cal. Date (yy.mm.dd)
Radiated emission above 1 GHz					
☒ EMI Test Receiver	ESU26	Rohde & Schwarz	100241	1 year	2026.05.27
☒ Horn Antenna	HF907	Rohde & Schwarz	103160	1 year	2026.10.14
☒ Power Amplifier	TK-PA18H	TESTEK	170034-L	1 year	2026.10.02
☒ Antenna Mast	MA4640-XP-ET	INNCO systems	-	N/A	-
☒ Turn Table	DT3000-3t	INNCO systems	DT3000/69	N/A	-
☒ Radio Communication Analyzer	MT8821C	Anritsu	6262192376	1 year	2026.09.30
☒ Software	EMC32	ROHDE&SCHWARZ	-	N/A	-

6. EMISSION TEST SUMMARY

6.1 Conducted Emission

6.1.1 Operating Conditions

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

Date of Test (yy.mm.dd)	2026.04.21		
Temperature	min. 19.0 °C	Relative Humidity	min. 34.1 %
	max. 24.9 °C		max. 43.2 %
Test Site	EMI Shield Room		
Test Standard Used	FCC CFR 47 PART 15 Subpart B Class A ANSI C63.4-2014		
Frequency Range	0.15 MHz to 30 MHz		
Detector / Bandwidth	Quasi-Peak, CISPR-Average / 9 kHz (6 dB)		
Operating Mode	Charging + 447 MHz + Operating mode Charging + LTE B12 Low ch Idle mode Charging + LTE B12 Mid ch Idle mode Charging + LTE B12 High ch Idle mode Charging + Wi-Fi 2.4 GHz Idle mode		
Test Result	PASS		

A disturbance voltage is calculated by the following equation:

$$A = B + C$$

Where

A: QuasiPeak or CAverage in dBμV

B: Meter reading in dBμV

C: Corr. in dB (Cable loss + LISN factor)

Margin in dB: Limit - A

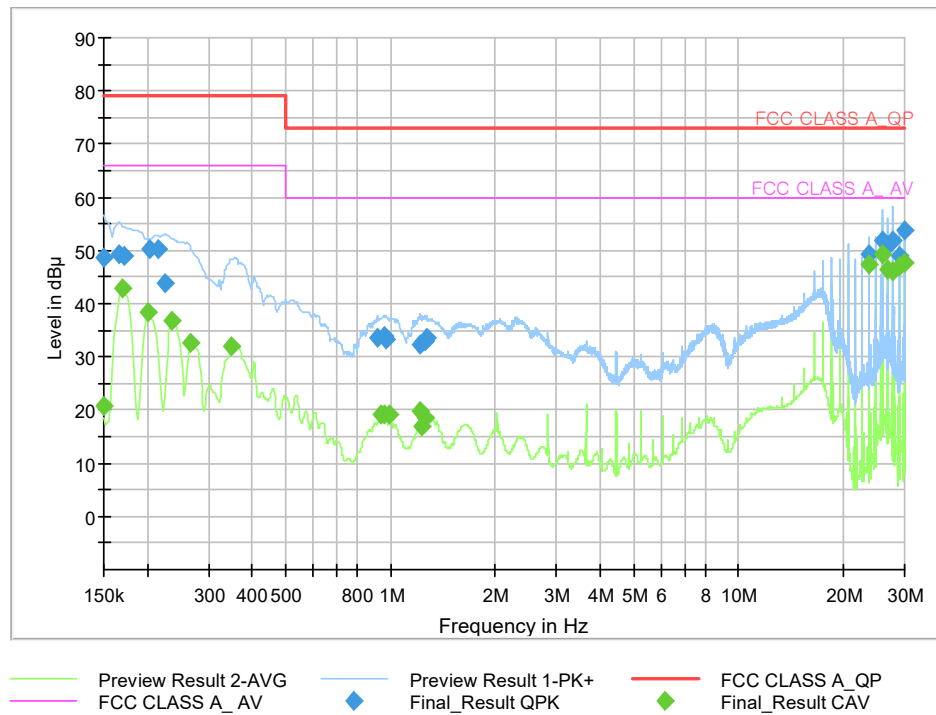
If it's an AC mains cable, the readings includes both Live (L1) and Neutral (N).

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

6.1.2 Measurement Data

[Charging + 447 MHz + Operating mode]

Full Spectrum



[QuasiPeak]

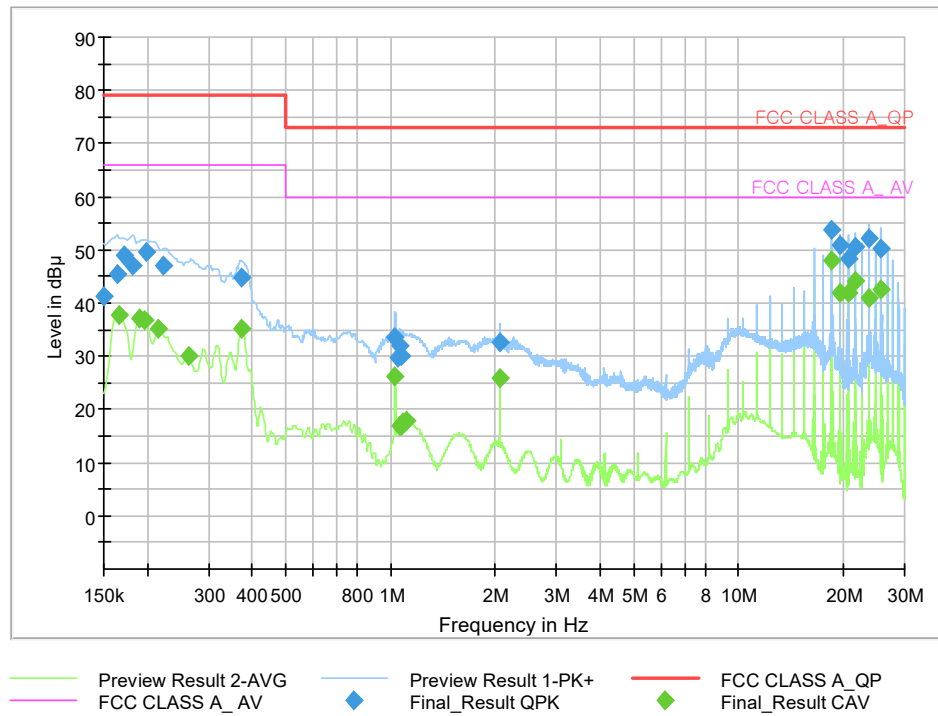
Frequency [MHz]	QuasiPeak [dBμV]	Corr. [dB]	Line	Margin [dB]	Limit [dBμV]
0.1500	48.74	9.7	L1	30.26	79.00
0.1658	49.43	9.6	N	29.57	79.00
0.1725	48.83	9.6	N	30.17	79.00
0.2040	50.39	9.7	L1	28.61	79.00
0.2153	50.13	9.7	L1	28.87	79.00
0.2243	43.93	9.7	L1	35.07	79.00
0.9208	33.54	9.7	L1	39.46	73.00
0.9545	33.89	9.7	L1	39.11	73.00
0.9725	33.23	9.7	L1	39.77	73.00
1.2133	32.43	9.7	L1	40.57	73.00
1.2515	33.02	9.7	L1	39.98	73.00
1.2650	33.45	9.7	L1	39.55	73.00
23.7223	49.28	9.9	L1	23.72	73.00
25.7855	51.70	9.9	N	21.30	73.00
26.8183	51.01	9.9	N	21.99	73.00
27.8488	51.75	10.0	N	21.25	73.00
28.8815	48.99	10.0	N	24.01	73.00
29.9143	53.67	10.0	L1	19.33	73.00

[CAverage]

Frequency [MHz]	CAverage [dBμV]	Corr. [dB]	Line	Margin [dB]	Limit [dBμV]
0.1500	20.78	9.7	L1	45.22	66.00
0.1703	42.76	9.7	L1	23.24	66.00
0.2018	38.48	9.7	L1	27.52	66.00
0.2355	36.81	9.7	L1	29.19	66.00
0.2670	32.69	9.7	L1	33.31	66.00
0.3503	32.12	9.7	L1	33.88	66.00
0.9343	19.11	9.7	L1	40.89	60.00
0.9635	19.27	9.7	L1	40.73	60.00
0.9973	19.14	9.7	L1	40.86	60.00
1.2155	19.81	9.7	L1	40.19	60.00
1.2290	17.01	9.7	L1	42.99	60.00
1.2628	18.53	9.7	L1	41.47	60.00
23.7223	47.25	9.9	L1	12.75	60.00
25.7855	49.16	10.0	L1	10.84	60.00
26.8183	46.46	10.0	L1	13.54	60.00
27.8488	46.06	10.0	L1	13.94	60.00
28.8815	47.02	10.0	L1	12.98	60.00
29.9120	47.56	10.0	L1	12.44	60.00

[Charging + LTE B12 Low ch Idle mode]

Full Spectrum



[QuasiPeak]

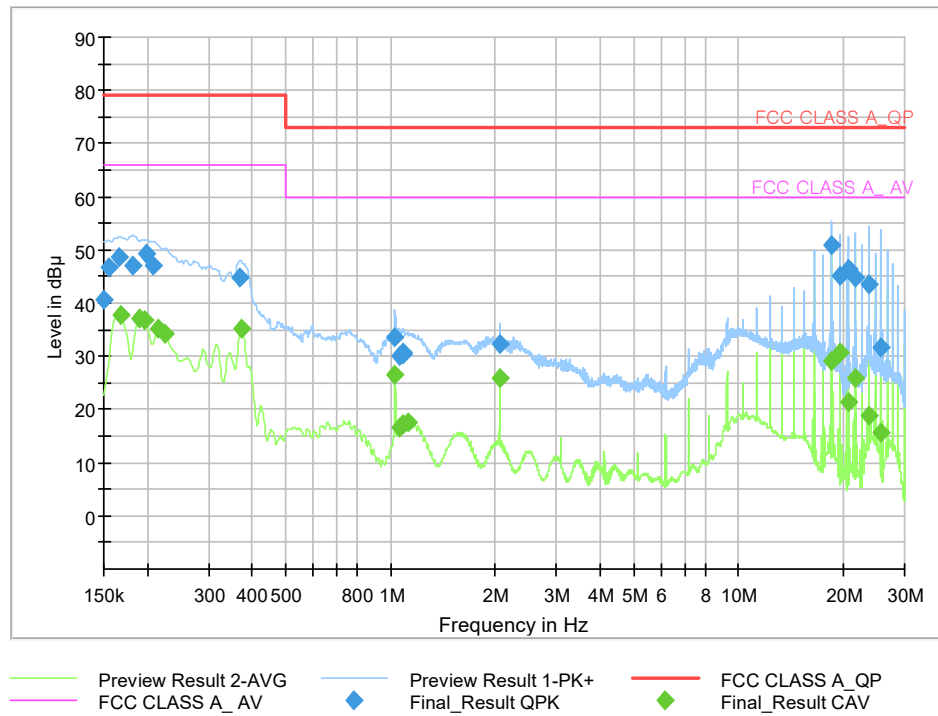
Frequency [MHz]	QuasiPeak [dBμV]	Corr. [dB]	Line	Margin [dB]	Limit [dBμV]
0.1500	41.27	9.6	N	37.73	79.00
0.1635	45.51	9.6	N	33.49	79.00
0.1725	49.03	9.7	L1	29.97	79.00
0.1815	47.18	9.7	L1	31.82	79.00
0.1995	49.60	9.7	L1	29.40	79.00
0.2220	47.10	9.7	L1	31.90	79.00
0.3728	44.85	9.7	L1	34.15	79.00
1.0310	33.67	9.7	L1	39.33	73.00
1.0490	29.83	9.7	L1	43.17	73.00
1.0603	31.84	9.7	L1	41.16	73.00
1.0693	30.18	9.7	L1	42.82	73.00
2.0593	32.49	9.7	L1	40.51	73.00
18.5383	53.75	9.9	L1	19.25	73.00
19.5688	50.81	9.9	L1	22.19	73.00
20.5970	48.40	9.9	L1	24.60	73.00
21.6275	50.59	9.9	L1	22.41	73.00
23.6885	52.33	9.9	L1	20.67	73.00
25.7473	50.11	9.9	N	22.89	73.00

[CAverage]

Frequency [MHz]	CAverage [dBμV]	Corr. [dB]	Line	Margin [dB]	Limit [dBμV]
0.1658	37.80	9.7	L1	28.20	66.00
0.1905	37.10	9.7	L1	28.90	66.00
0.1973	36.83	9.7	L1	29.17	66.00
0.2153	35.18	9.7	L1	30.82	66.00
0.2625	30.09	9.7	L1	35.91	66.00
0.3728	35.20	9.7	L1	30.80	66.00
1.0288	26.36	9.7	L1	33.64	60.00
1.0580	16.96	9.7	L1	43.04	60.00
1.0760	17.00	9.7	L1	43.00	60.00
1.0850	17.46	9.7	L1	42.54	60.00
1.1120	17.86	9.7	L1	42.14	60.00
2.0593	25.74	9.7	L1	34.26	60.00
18.5383	47.92	9.9	L1	12.08	60.00
19.5665	41.77	9.9	L1	18.23	60.00
20.5970	41.76	9.9	L1	18.24	60.00
21.6275	44.25	9.9	L1	15.75	60.00
23.6863	40.83	9.9	L1	19.17	60.00
25.7473	42.47	10.0	L1	17.53	60.00

[Charging + LTE B12 Mid ch Idle mode]

Full Spectrum



[QuasiPeak]

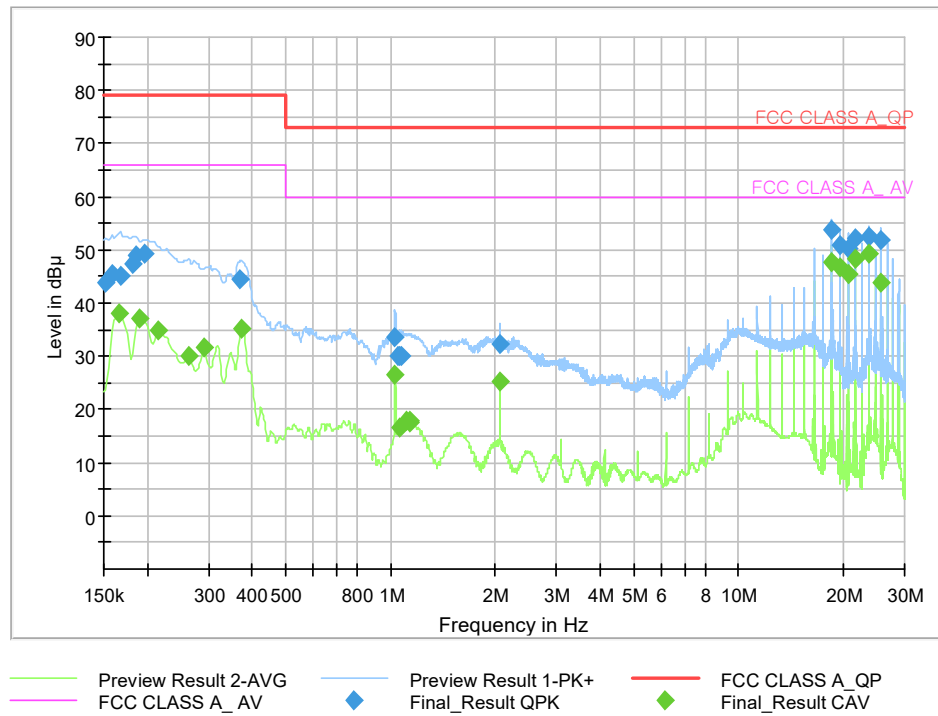
Frequency [MHz]	QuasiPeak [dBμV]	Corr. [dB]	Line	Margin [dB]	Limit [dBμV]
0.1500	40.71	9.6	N	38.29	79.00
0.1545	46.59	9.7	L1	32.41	79.00
0.1658	48.80	9.7	L1	30.20	79.00
0.1815	47.17	9.7	L1	31.83	79.00
0.1995	49.45	9.7	L1	29.55	79.00
0.2085	47.19	9.7	L1	31.81	79.00
0.3705	44.68	9.7	L1	34.32	79.00
1.0288	33.61	9.7	L1	39.39	73.00
1.0603	30.09	9.7	L1	42.91	73.00
1.0828	30.47	9.7	L1	42.53	73.00
1.0918	30.63	9.7	L1	42.37	73.00
2.0593	32.32	9.7	L1	40.68	73.00
18.5270	50.79	9.9	L1	22.21	73.00
19.5553	45.09	9.9	L1	27.91	73.00
20.5858	46.44	9.9	L1	26.56	73.00
21.6140	44.95	9.9	L1	28.05	73.00
23.6728	43.44	9.9	L1	29.56	73.00
25.7293	31.70	9.9	N	41.30	73.00

[CAverage]

Frequency [MHz]	CAverage [dBμV]	Corr. [dB]	Line	Margin [dB]	Limit [dBμV]
0.1680	37.66	9.7	L1	28.34	66.00
0.1905	37.14	9.7	L1	28.86	66.00
0.1973	36.78	9.7	L1	29.22	66.00
0.2153	35.28	9.7	L1	30.72	66.00
0.2243	34.35	9.7	L1	31.65	66.00
0.3728	35.18	9.7	L1	30.82	66.00
1.0288	26.61	9.7	L1	33.39	60.00
1.0580	16.76	9.7	L1	43.24	60.00
1.0670	16.51	9.7	L1	43.49	60.00
1.0850	17.21	9.7	L1	42.79	60.00
1.1233	17.71	9.7	L1	42.29	60.00
2.0593	25.94	9.7	L1	34.06	60.00
18.5248	28.97	9.9	L1	31.03	60.00
19.5553	30.66	9.9	L1	29.34	60.00
20.5835	21.53	9.9	L1	38.47	60.00
21.6140	25.79	9.9	L1	34.21	60.00
23.6705	18.87	9.9	L1	41.13	60.00
25.7293	15.64	10.0	L1	44.36	60.00

[Charging + LTE B12 High ch Idle mode]

Full Spectrum



[QuasiPeak]

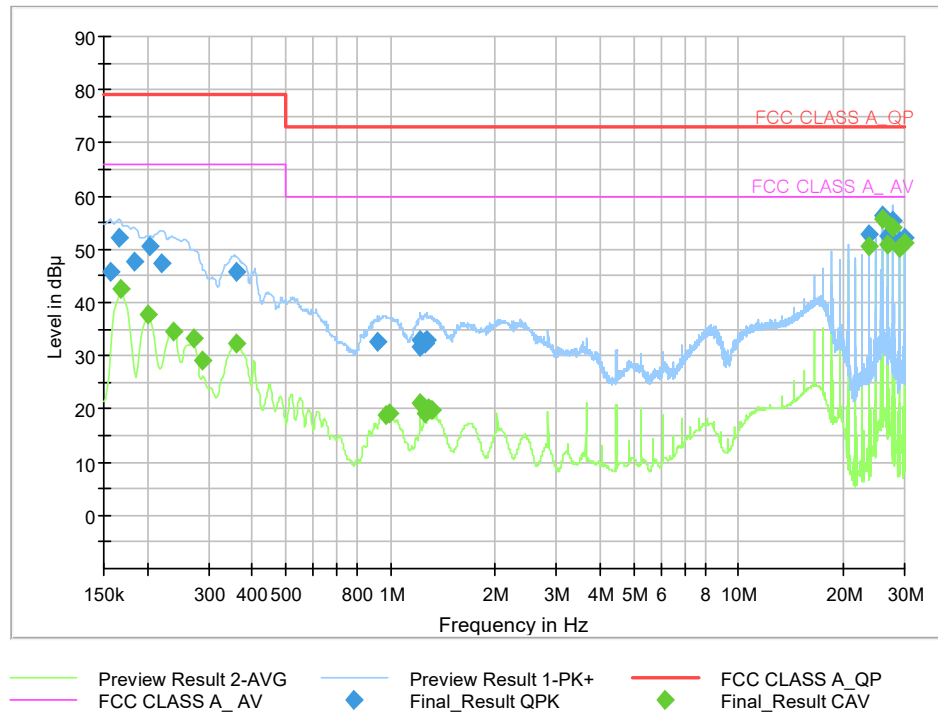
Frequency [MHz]	QuasiPeak [dBμV]	Corr. [dB]	Line	Margin [dB]	Limit [dBμV]
0.1523	43.96	9.7	L1	35.04	79.00
0.1590	45.49	9.6	N	33.51	79.00
0.1680	45.24	9.6	N	33.76	79.00
0.1815	47.40	9.7	L1	31.60	79.00
0.1860	48.85	9.7	L1	30.15	79.00
0.1973	49.38	9.7	L1	29.62	79.00
0.3705	44.64	9.7	L1	34.36	79.00
1.0288	33.51	9.7	L1	39.49	73.00
1.0513	30.01	9.7	L1	42.99	73.00
1.0603	29.93	9.7	L1	43.07	73.00
1.0715	30.15	9.7	L1	42.85	73.00
2.0593	32.42	9.7	L1	40.58	73.00
18.5450	53.86	9.9	L1	19.14	73.00
19.5755	50.88	9.9	L1	22.12	73.00
20.6060	50.10	9.9	L1	22.90	73.00
21.6365	52.20	9.9	L1	20.80	73.00
23.6953	52.38	9.9	L1	20.62	73.00
25.7563	51.81	9.9	N	21.19	73.00

[CAverage]

Frequency [MHz]	CAverage [dBμV]	Corr. [dB]	Line	Margin [dB]	Limit [dBμV]
0.1658	37.93	9.7	L1	28.07	66.00
0.1905	37.07	9.7	L1	28.93	66.00
0.2153	34.99	9.7	L1	31.01	66.00
0.2625	30.05	9.7	L1	35.95	66.00
0.2918	31.76	9.7	L1	34.24	66.00
0.3750	35.09	9.7	L1	30.91	66.00
1.0310	26.64	9.7	L1	33.36	60.00
1.0580	16.74	9.7	L1	43.26	60.00
1.1120	17.92	9.7	L1	42.08	60.00
1.1300	17.72	9.7	L1	42.28	60.00
1.1390	17.90	9.7	L1	42.10	60.00
2.0593	25.41	9.7	L1	34.59	60.00
18.5428	47.75	9.9	L1	12.25	60.00
19.5733	46.59	9.9	L1	13.41	60.00
20.6038	45.44	9.9	L1	14.56	60.00
21.6343	48.29	9.9	L1	11.71	60.00
23.6953	49.16	9.9	L1	10.84	60.00
25.7540	43.97	10.0	L1	16.03	60.00

[Charging + WiFi 2.4 GHz Idle mode]

Full Spectrum



[QuasiPeak]

Frequency [MHz]	QuasiPeak [dBμV]	Corr. [dB]	Line	Margin [dB]	Limit [dBμV]
0.1568	45.67	9.6	N	33.33	79.00
0.1658	52.26	9.7	L1	26.74	79.00
0.1838	47.65	9.7	L1	31.35	79.00
0.2040	50.68	9.7	L1	28.32	79.00
0.2198	47.39	9.7	L1	31.61	79.00
0.3593	45.78	9.7	L1	33.22	79.00
0.9185	32.47	9.7	L1	40.53	73.00
1.2155	32.85	9.7	L1	40.15	73.00
1.2223	31.56	9.7	L1	41.44	73.00
1.2538	32.36	9.7	L1	40.64	73.00
1.2605	32.61	9.7	L1	40.39	73.00
1.2673	33.02	9.7	L1	39.98	73.00
23.7290	52.88	9.9	L1	20.12	73.00
25.7923	56.46	9.9	N	16.54	73.00
26.8250	52.52	10.0	L1	20.48	73.00
27.8578	55.33	10.0	L1	17.67	73.00
28.8905	51.48	10.0	L1	21.52	73.00
29.9210	52.13	10.0	L1	20.87	73.00

[CAverage]

Frequency [MHz]	CAverage [dBμV]	Corr. [dB]	Line	Margin [dB]	Limit [dBμV]
0.1680	42.63	9.7	L1	23.37	66.00
0.2018	37.87	9.7	L1	28.13	66.00
0.2378	34.50	9.7	L1	31.50	66.00
0.2715	33.14	9.7	L1	32.86	66.00
0.2895	29.13	9.7	L1	36.87	66.00
0.3593	32.33	9.7	L1	33.67	66.00
0.9725	18.96	9.7	L1	41.04	60.00
0.9905	19.19	9.7	L1	40.81	60.00
1.2155	20.94	9.7	L1	39.06	60.00
1.2538	19.11	9.7	L1	40.89	60.00
1.2875	20.13	9.7	L1	39.87	60.00
1.3190	19.91	9.7	L1	40.09	60.00
23.7290	50.48	9.9	L1	9.52	60.00
25.7923	55.64	10.0	L1	4.36	60.00
26.8250	50.88	10.0	L1	9.12	60.00
27.8555	53.94	10.0	L1	6.06	60.00
28.8883	50.19	10.0	L1	9.81	60.00
29.9188	51.08	10.0	L1	8.92	60.00

6.2 Antenna Conducted Power Emission (Not Applicable)

6.2.1 Operating Condition

The test results of antenna conducted power emission provide the following information.;

Date of Test (yy.mm.dd)	---		
Temperature	min.	°C	Relative Humidity
	max.	°C	
	min.	%	
	max.	%	
Test Site	EMI Shield Room		
Test Method Used	ANSI C63.4-2014		
Frequency Range	30 MHz to 2150 MHz		
Detector / Bandwidth	For frequencies ≤ 1 GHz: Quasi-peak / 120 kHz		
	For frequencies ≥ 1 GHz: Peak / 1 MHz		
Operating Mode	---		
Test Result	---		

NOTE. This test is not applicable because the EUT does not have tuner ports.

6.2.2 Measurement Data

Not applicable

6.3 Radiated Emission up to 1 GHz

6.3.1 Operating Condition

The test results of radiated emission provide the following information:

Date of Test (yy.mm.dd)	2026.04.27 – 2026.04.29		
Temperature	min. 18.8 °C	Relative Humidity	min. 37.0 %
	max. 25.6 °C		max. 46.2 %
Test Site	10 m Semi Anechoic Chamber #1		
Used Test Standard	FCC CFR 47 PART 15 Subpart B Class A ANSI C63.4-2014		
Frequency Range	30 MHz to 1 000 MHz		
Detector / Bandwidth	Quasi-Peak / 120 kHz (6 dB)		
Measurement Distance	10 m		
Antenna Height	1 m to 4 m		
Antenna Polarity	Horizontal, Vertical		
Operating Mode	Charging + 447 MHz + Operating mode Charging + LTE B12 Low ch Idle mode Charging + LTE B12 Mid ch Idle mode Charging + LTE B12 High ch Idle mode Charging + Wi-Fi 2.4 GHz Idle mode 447 MHz + Operating mode LTE B12 Low ch Idle mode LTE B12 Mid ch Idle mode LTE B12 High ch Idle mode		
Test Result	PASS		

A field strength is calculated by the following equation;

$$A = B + C$$

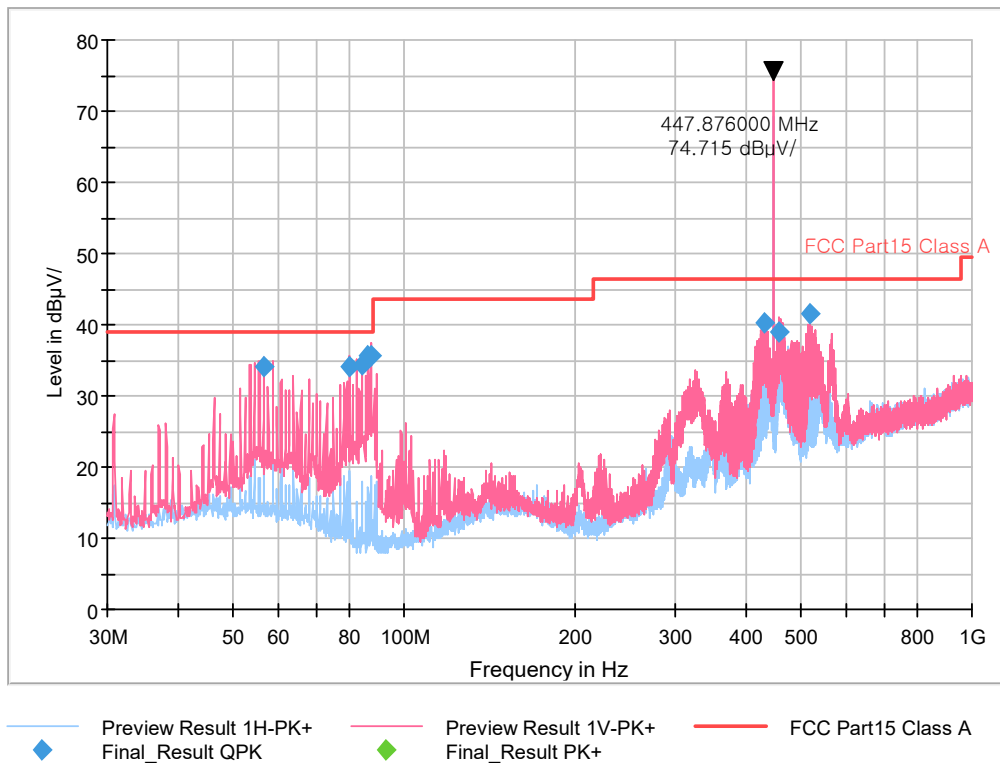
Where
A: Field strength (Quasi Peak) in dBμV/m
B: Meter reading in dBμV/m
C: Corr. in dB (Cable loss + Antenna factor)
Margin in dB: Limit - A

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

6.3.2 Measurement Data

[Charging + 447 MHz + Operating mode]

Full Spectrum

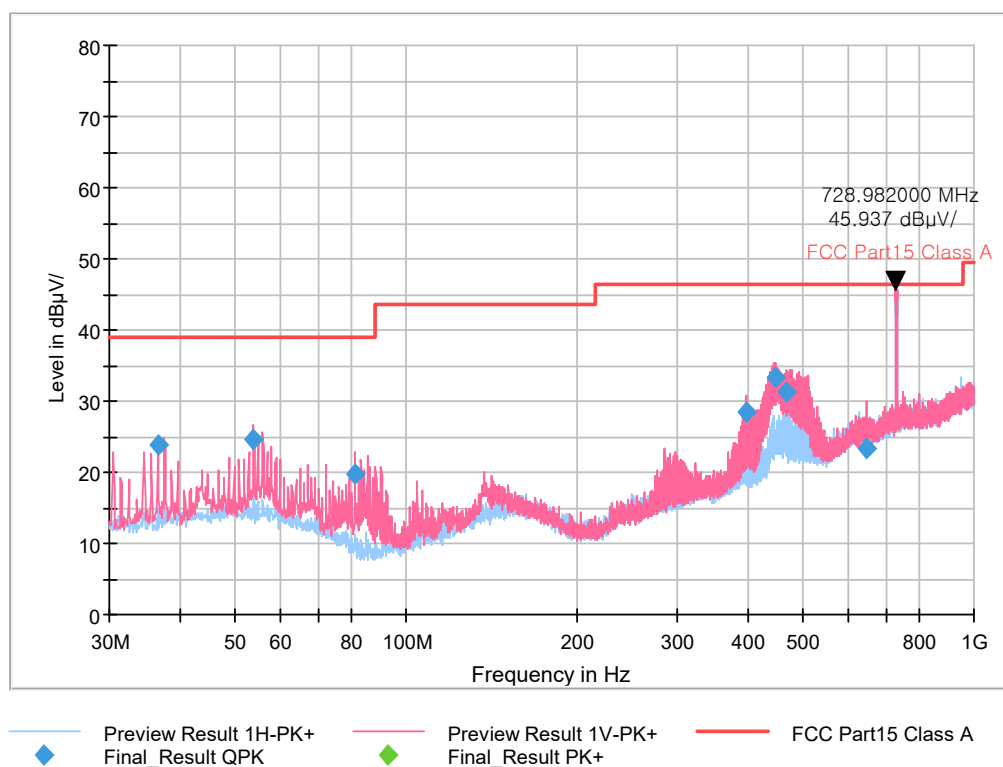


Frequency	QuasiPeak	Height	Pol.	Azimuth	Corr.	Margin	Limit
[MHz]	[dBμV/m]	[cm]	[H/V]	[deg]	[dB]	[dB]	[dBμV/m]
56.6673	34.01	149.7	V	272.0	-19.6	4.99	39.00
80.3457	34.22	183.7	V	144.0	-23.7	4.78	39.00
84.4874	34.25	149.8	V	90.0	-24.6	4.75	39.00
86.5134	35.66	150.0	V	145.0	-24.9	3.34	39.00
87.5698	35.70	149.9	V	122.0	-24.9	3.30	39.00
430.5674	40.19	100.0	V	233.0	-13.9	6.21	46.40
458.3390	39.04	100.0	V	173.0	-13.1	7.36	46.40
519.2914	41.47	250.0	V	290.0	-11.9	4.93	46.40

* 447.876 MHz : 447 MHz Communication Carrier Frequency

[Charging + LTE B12 Low ch Idle mode]

Full Spectrum

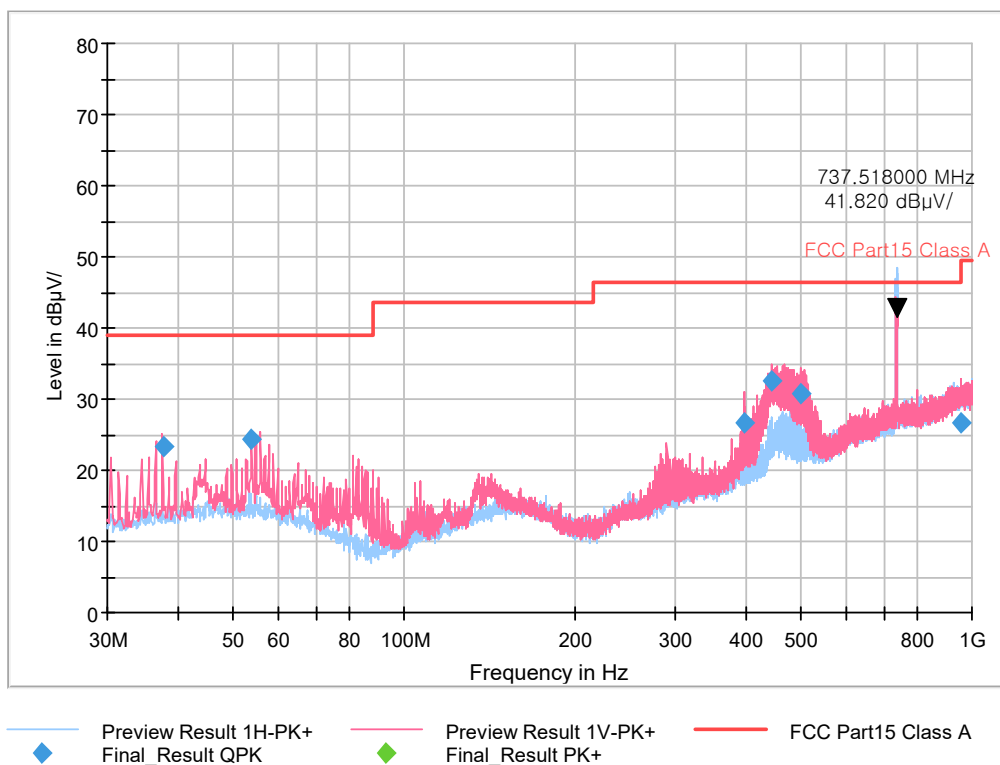


Frequency	QuasiPeak	Height	Pol.	Azimuth	Corr.	Margin	Limit
[MHz]	[dBμV/m]	[cm]	[H/V]	[deg]	[dB]	[dB]	[dBμV/m]
36.6073	23.81	160.5	V	86.0	-20.5	15.19	39.00
53.9078	24.71	100.0	V	302.0	-19.3	14.29	39.00
81.3559	19.71	249.8	V	20.0	-24.0	19.29	39.00
398.6402	28.53	100.0	V	188.0	-14.9	17.87	46.40
446.4608	33.25	332.5	V	156.0	-13.5	13.15	46.40
466.8413	31.34	349.9	V	205.0	-13.1	15.06	46.40
645.9050	23.31	250.0	V	223.0	-8.8	23.09	46.40

* 728.982 MHz : LTE B12 Low ch Rx Frequency

[Charging + LTE B12 Mid ch Idle mode]

Full Spectrum

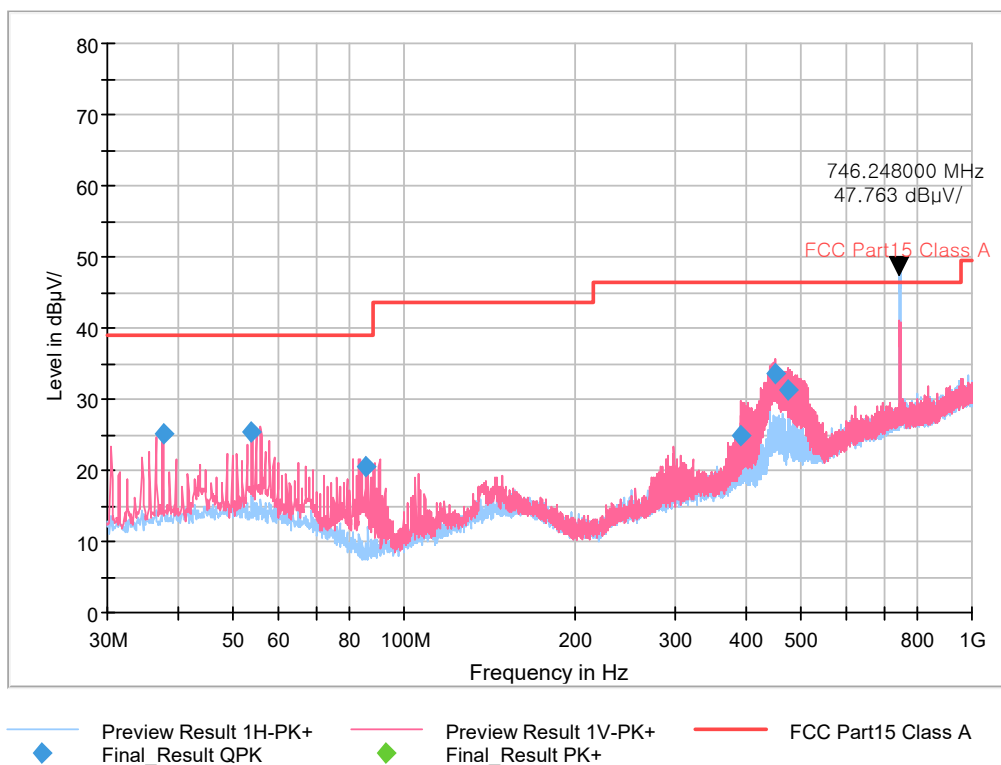


Frequency	QuasiPeak	Height	Pol.	Azimuth	Corr.	Margin	Limit
[MHz]	[dBμV/m]	[cm]	[H/V]	[deg]	[dB]	[dB]	[dBμV/m]
37.6260	23.37	260.4	V	53.0	-20.4	15.63	39.00
53.8719	24.27	349.8	V	240.0	-19.3	14.73	39.00
398.3554	26.55	100.0	V	213.0	-14.9	19.85	46.40
444.2839	32.59	349.9	V	190.0	-13.6	13.81	46.40
499.0543	30.71	283.7	V	216.0	-12.5	15.69	46.40
954.6976	26.63	307.4	V	0.0	-2.9	19.77	46.40

* 737.518 MHz : LTE B12 Mid ch Rx Frequency

[Charging + LTE B12 High ch Idle mode]

Full Spectrum

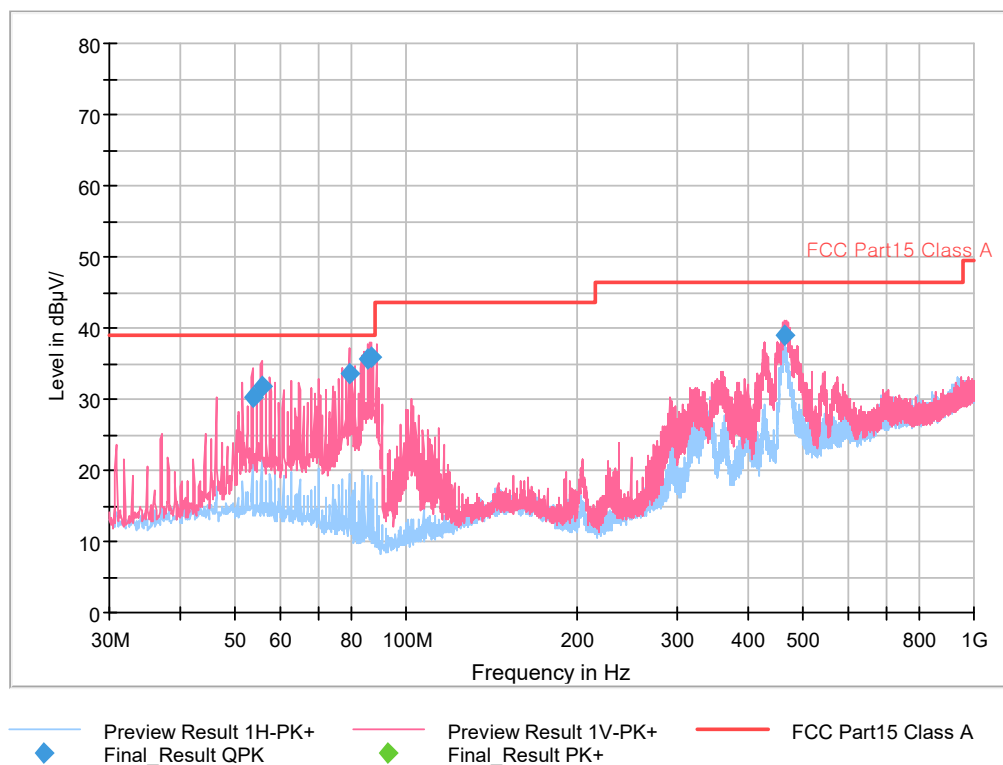


Frequency	QuasiPeak	Height	Pol.	Azimuth	Corr.	Margin	Limit
[MHz]	[dBμV/m]	[cm]	[H/V]	[deg]	[dB]	[dB]	[dBμV/m]
37.6326	25.12	100.0	V	93.0	-20.4	13.88	39.00
53.9186	25.30	250.0	V	253.0	-19.3	13.70	39.00
85.4212	20.49	231.8	V	9.0	-24.8	18.51	39.00
391.5787	24.78	400.0	V	314.0	-15.0	21.62	46.40
451.5970	33.65	349.8	V	198.0	-13.3	12.75	46.40
476.0574	31.26	100.0	V	191.0	-12.9	15.14	46.40

* 746.248 MHz : LTE B12 High ch Rx Frequency

[Charging + WiFi Idle mode]

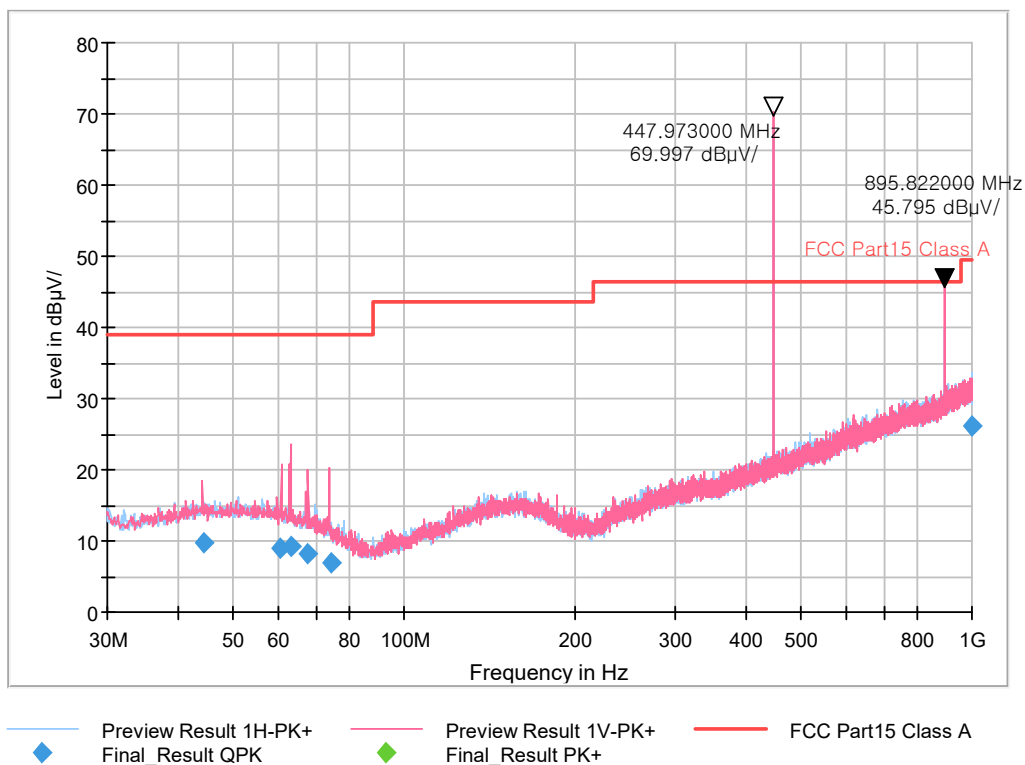
Full Spectrum



Frequency	QuasiPeak	Height	Pol.	Azimuth	Corr.	Margin	Limit
[MHz]	[dBμV/m]	[cm]	[H/V]	[deg]	[dB]	[dB]	[dBμV/m]
53.6056	30.30	260.7	V	242.0	-19.4	8.70	39.00
55.6851	31.70	100.0	V	309.0	-19.5	7.30	39.00
79.4154	33.47	207.8	V	186.0	-23.5	5.53	39.00
85.5702	35.56	109.1	V	121.0	-24.8	3.44	39.00
86.5913	35.88	150.0	V	151.0	-24.9	3.12	39.00
462.9754	38.86	308.9	V	231.0	-13.1	7.54	46.40

[Operating+447 MHz mode]

Full Spectrum



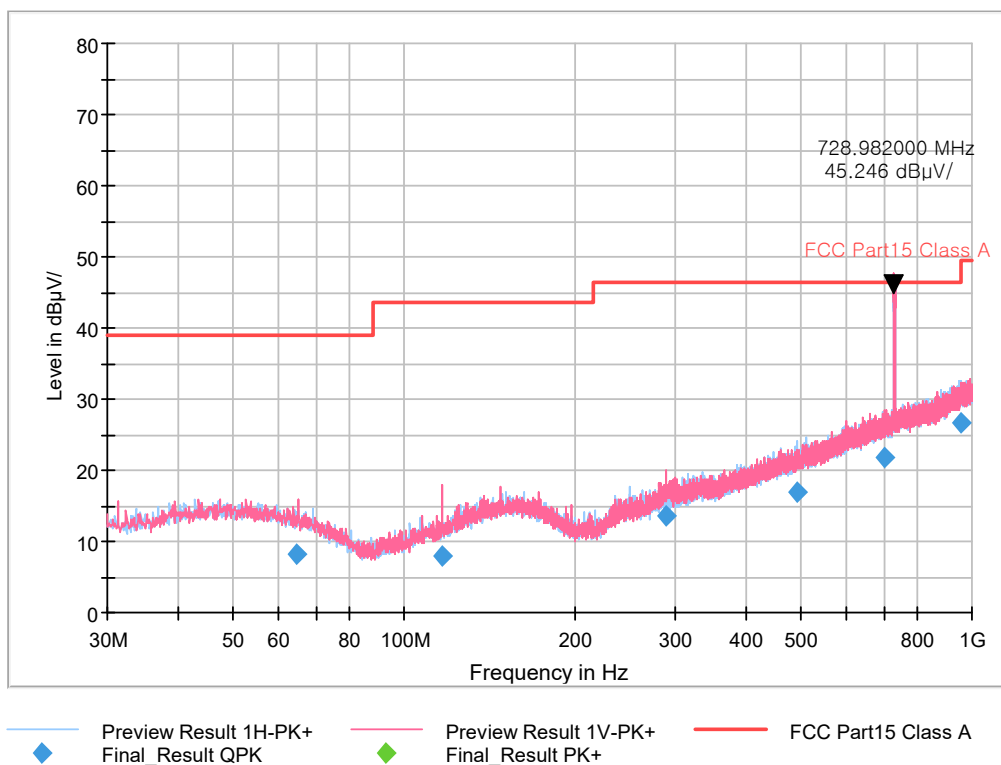
Frequency	QuasiPeak	Height	Pol.	Azimuth	Corr.	Margin	Limit
[MHz]	[dBμV/m]	[cm]	[H/V]	[deg]	[dB]	[dB]	[dBμV/m]
44.4592	9.80	259.5	V	194.0	-19.4	29.20	39.00
60.3379	9.05	283.7	V	194.0	-20.0	29.95	39.00
63.4484	9.30	109.2	V	320.0	-20.5	29.70	39.00
67.6302	8.08	260.6	V	286.0	-21.0	30.92	39.00
74.2021	6.88	260.3	V	236.0	-22.1	32.12	39.00
997.2863	26.15	150.1	H	172.0	-2.9	23.35	49.50

* 447.973 MHz : 447.9 MHz Communication Carrier Frequency

* 895.822 MHz : 447.9 MHz Communication Harmonic Frequency

[LTE B12 Low ch Idle mode]

Full Spectrum

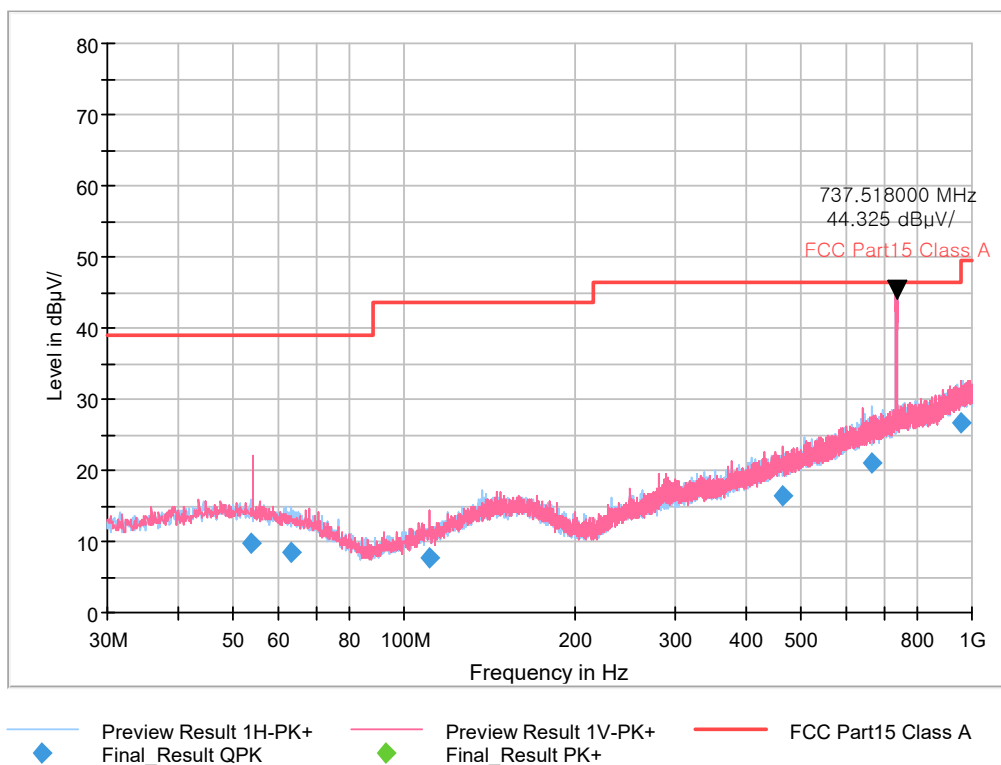


Frequency	QuasiPeak	Height	Pol.	Azimuth	Corr.	Margin	Limit
[MHz]	[dBμV/m]	[cm]	[H/V]	[deg]	[dB]	[dB]	[dBμV/m]
64.8250	8.27	109.1	V	162.0	-20.6	30.73	39.00
116.9211	8.01	159.3	V	192.0	-21.7	35.49	43.50
289.8107	13.56	100.0	V	133.0	-18.0	32.84	46.40
492.3301	16.84	149.9	H	246.0	-12.6	29.56	46.40
703.9267	21.90	332.0	V	165.0	-7.8	24.50	46.40
959.0116	26.59	360.3	H	209.0	-2.9	19.81	46.40

* 728.982 MHz : LTE B12 Low ch Rx Frequency

[LTE B12 Mid ch Idle mode]

Full Spectrum

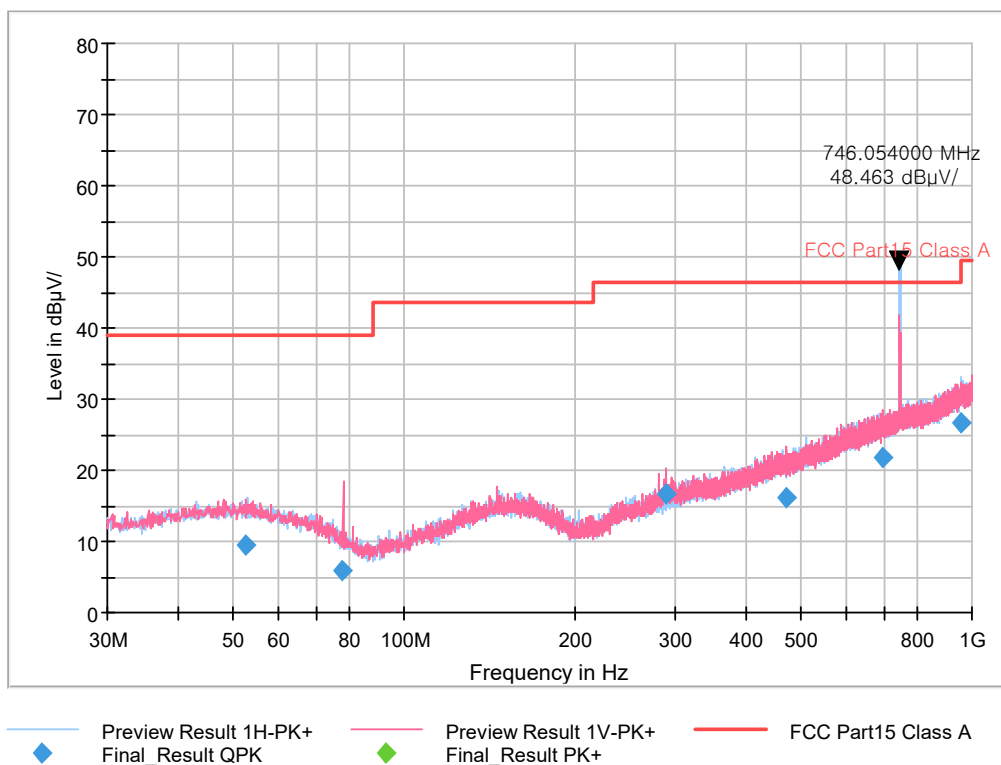


Frequency	QuasiPeak	Height	Pol.	Azimuth	Corr.	Margin	Limit
[MHz]	[dBμV/m]	[cm]	[H/V]	[deg]	[dB]	[dB]	[dBμV/m]
53.7783	9.64	182.9	V	264.0	-19.4	29.36	39.00
63.2349	8.59	131.7	H	267.0	-20.4	30.41	39.00
110.8384	7.59	332.2	V	248.0	-22.2	35.91	43.50
463.3831	16.43	349.8	V	313.0	-13.1	29.97	46.40
665.1913	20.98	349.8	H	163.0	-8.7	25.42	46.40
957.8282	26.68	350.0	V	313.0	-2.9	19.72	46.40

* 737.518 MHz : LTE B12 Mid ch Rx Frequency

[LTE B12 High ch Idle mode]

Full Spectrum



Frequency	QuasiPeak	Height	Pol.	Azimuth	Corr.	Margin	Limit
[MHz]	[dBμV/m]	[cm]	[H/V]	[deg]	[dB]	[dB]	[dBμV/m]
52.6965	9.61	158.7	H	258.0	-19.4	29.39	39.00
77.9243	5.80	360.3	V	172.0	-23.1	33.20	39.00
289.9890	16.77	100.0	V	205.0	-18.0	29.63	46.40
469.9679	16.12	350.1	V	159.0	-13.1	30.28	46.40
698.1041	21.89	383.9	V	299.0	-7.9	24.51	46.40
954.7806	26.67	279.6	H	300.0	-2.9	19.73	46.40

* 746.054 MHz : LTE B12 High ch Rx Frequency

6.4 Radiated Emission above 1 GHz

6.4.1 Operating Condition

The test results of radiated emission provide the following information:

Date of Test (yy.mm.dd)	2026.04.29 – 2026.04.30		
Temperature	min. 19.1 °C	Relative Humidity	min. 37.3 %
	max. 25.3 °C		max. 47.5 %
Test Site	10 m Semi Anechoic Chamber #1		
Used Test Standard	FCC CFR 47 PART 15 Subpart B Class A ANSI C63.4-2014		
Detector / Bandwidth	Peak, CISPR-Average / 1 MHz		
Highest Frequency	2462 MHz		
Tested Frequency Range	1 GHz to 18 GHz		
Measurement Distance	3 m		
Antenna Height	1 m to 4 m		
Antenna Polarity	Horizontal, Vertical		
Operating Mode	Charging + 447 MHz + Operating mode Charging + LTE B12 Low ch Idle mode Charging + LTE B12 Mid ch Idle mode Charging + LTE B12 High ch Idle mode Charging + Wi-Fi 2.4 GHz Idle mode 447 MHz + Operating mode LTE B12 Low ch Idle mode LTE B12 Mid ch Idle mode LTE B12 High ch Idle mode		
Test Result	PASS		

A field strength is calculated by the following equation:

$$A = B + C \quad \text{Where}$$

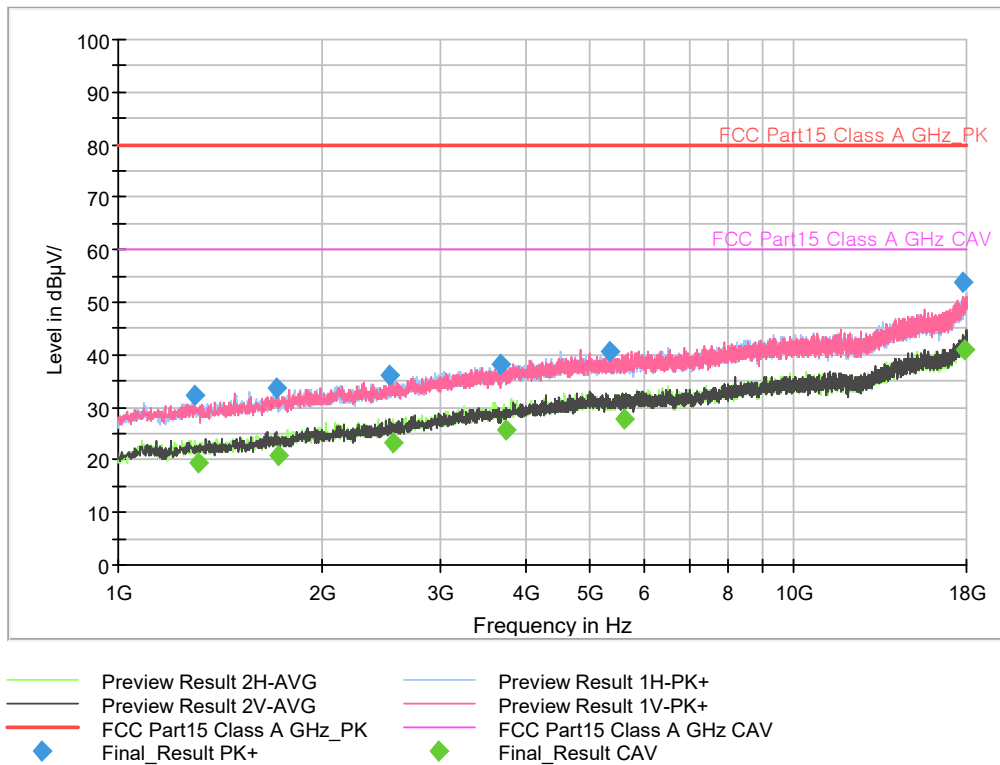
A: Field strength (Peak or CAverage) in dBμV/m
B: Meter reading in dBμV/m
C: Corr. in dB (Cable loss + Antenna factor - Amplifier gain)
Margin in dB: Limit - A

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

6.4.2 Measurement Data

[Charging +447 MHz + Operating mode]

Full Spectrum



[Peak]

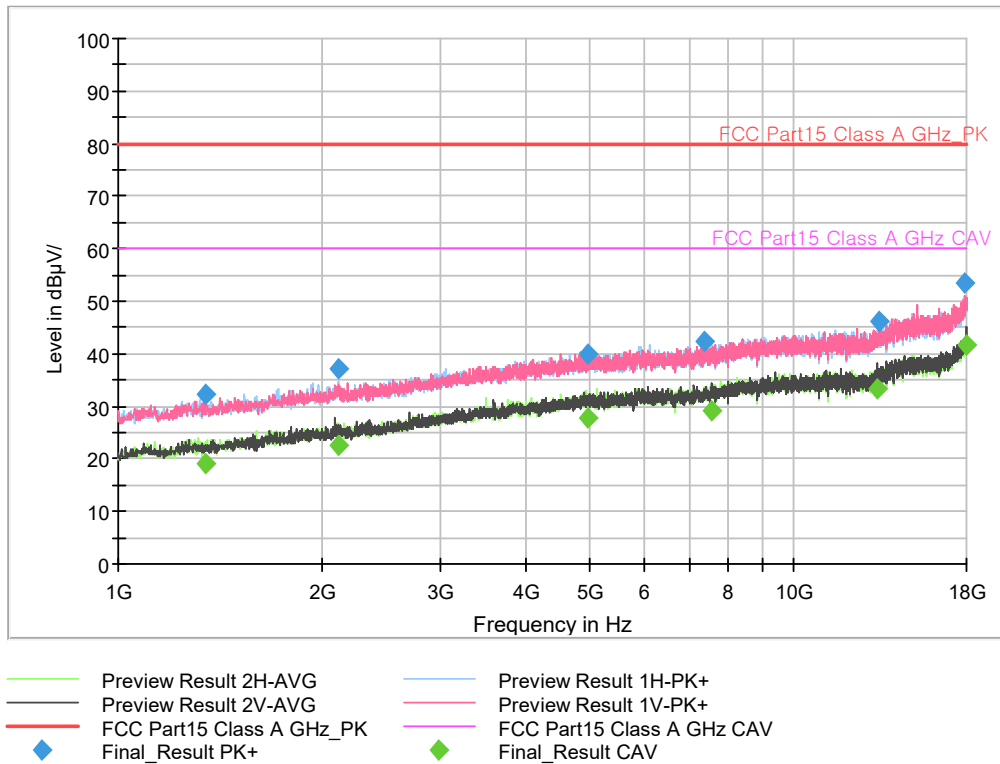
Frequency	Peak	Height	Pol.	Azimuth	Corr.	Margin	Limit
[MHz]	[dBμV/m]	[cm]	[H/V]	[deg]	[dB]	[dB]	[dBμV/m]
1295.8000	32.31	105.0	V	47.0	-29.2	47.69	80.00
1712.3000	33.63	305.1	V	187.0	-26.9	46.37	80.00
2524.9000	36.20	100.0	H	15.0	-22.8	43.80	80.00
3687.7000	38.35	105.0	H	15.0	-17.7	41.65	80.00
5331.6000	40.49	305.0	H	37.0	-12.9	39.51	80.00
17821.5000	53.94	304.9	V	103.0	8.7	26.06	80.00

[CAverage]

Frequency	CAverage	Height	Pol.	Azimuth	Corr.	Margin	Limit
[MHz]	[dBμV/m]	[cm]	[H/V]	[deg]	[dB]	[dB]	[dBμV/m]
1311.1000	19.34	100.0	V	299.0	-29.1	40.66	60.00
1724.2000	20.80	305.0	V	213.0	-26.8	39.20	60.00
2548.7000	23.18	304.9	V	255.0	-22.7	36.82	60.00
3752.3000	25.69	100.0	V	47.0	-17.5	34.31	60.00
5605.3000	27.93	105.1	H	14.0	-12.3	32.07	60.00
17884.4000	40.92	294.3	H	-8.0	8.9	19.08	60.00

[Charging + LTE B12 Low ch Idle mode]

Full Spectrum



[Peak]

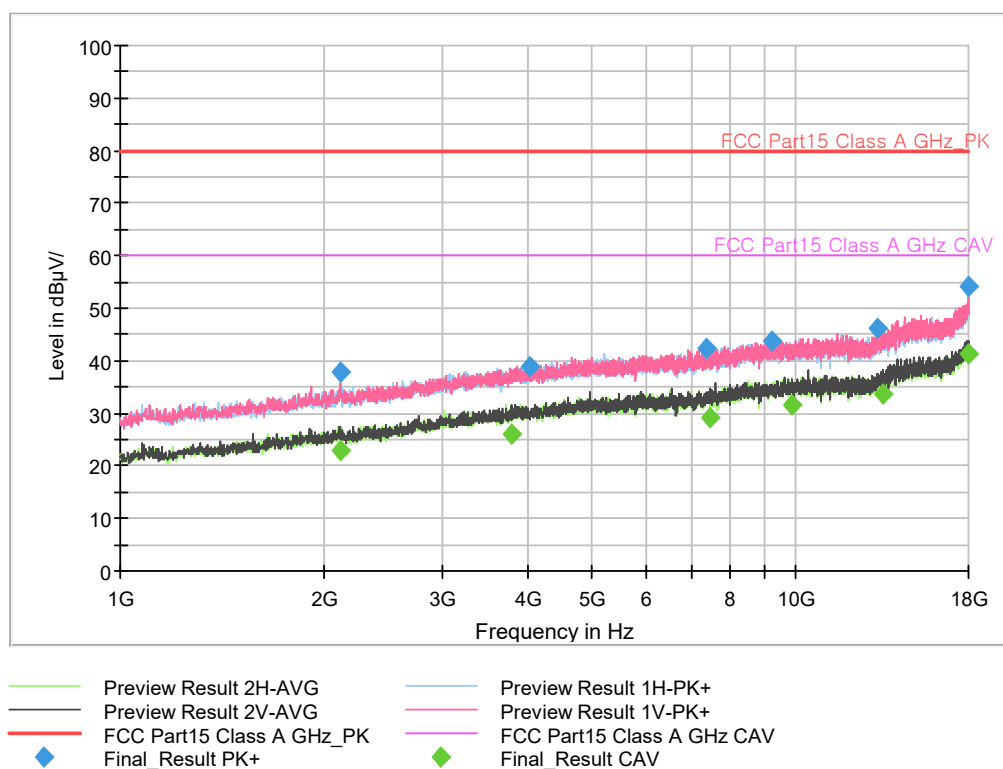
Frequency	Peak	Height	Pol.	Azimuth	Corr.	Margin	Limit
[MHz]	[dBμV/m]	[cm]	[H/V]	[deg]	[dB]	[dB]	[dBμV/m]
1343.4000	32.21	100.0	V	36.0	-29.0	47.79	80.00
2118.6000	37.10	105.0	H	79.0	-24.5	42.90	80.00
4955.9000	39.98	295.0	V	182.0	-13.5	40.02	80.00
7363.1000	42.36	199.3	V	347.0	-9.3	37.64	80.00
13393.0000	46.29	305.1	V	340.0	-1.3	33.71	80.00
17867.4000	53.59	205.1	V	294.0	8.8	26.41	80.00

[CAverage]

Frequency	CAverage	Height	Pol.	Azimuth	Corr.	Margin	Limit
[MHz]	[dBμV/m]	[cm]	[H/V]	[deg]	[dB]	[dB]	[dBμV/m]
1345.1000	19.08	105.2	H	308.0	-28.9	40.92	60.00
2116.9000	22.49	194.6	H	66.0	-24.5	37.51	60.00
4954.2000	27.86	194.5	H	279.0	-13.6	32.14	60.00
7545.0000	29.03	100.0	V	64.0	-9.1	30.97	60.00
13299.5000	33.28	105.1	V	99.0	-1.8	26.72	60.00
17976.2000	41.55	100.0	V	16.0	9.3	18.45	60.00

[Charging + LTE B12 Mid ch Idle mode]

Full Spectrum



[Peak]

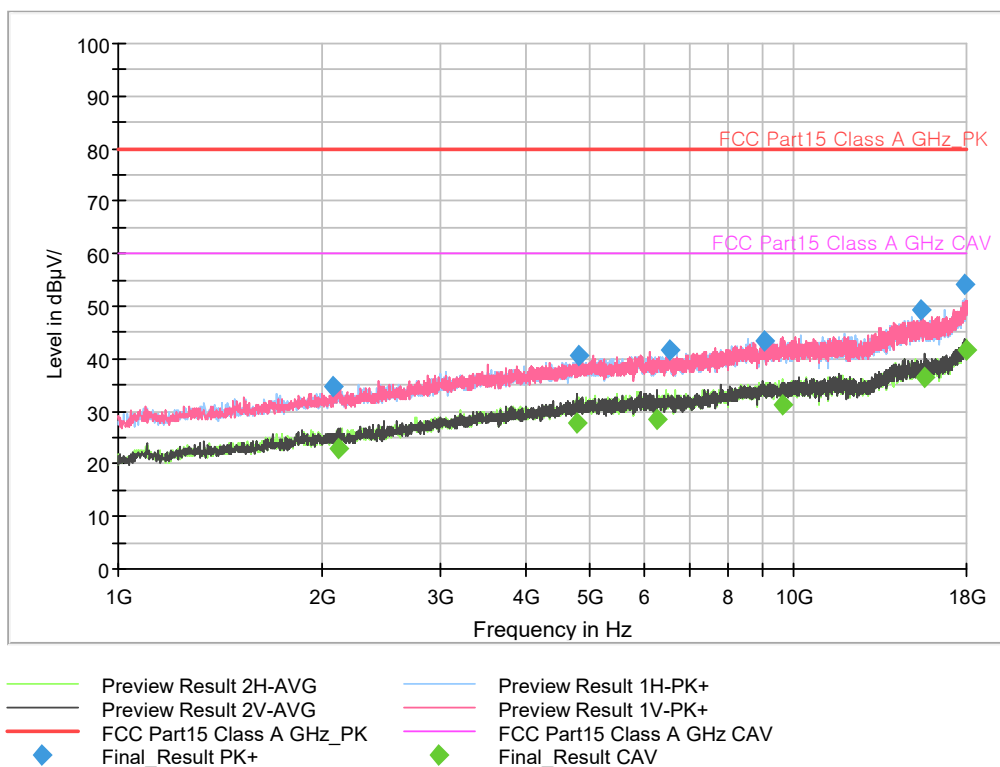
Frequency	Peak	Height	Pol.	Azimuth	Corr.	Margin	Limit
[MHz]	[dBμV/m]	[cm]	[H/V]	[deg]	[dB]	[dB]	[dBμV/m]
2120.3000	37.89	100.0	H	105.0	-24.5	42.11	80.00
4043.0000	39.01	105.2	V	334.0	-16.4	40.99	80.00
7388.6000	42.43	205.0	V	4.0	-9.2	37.57	80.00
9221.2000	43.90	305.0	V	158.0	-7.5	36.10	80.00
13240.0000	46.18	294.8	V	264.0	-1.6	33.82	80.00
17998.3000	54.29	100.0	V	220.0	9.5	25.71	80.00

[CAverage]

Frequency	CAverage	Height	Pol.	Azimuth	Corr.	Margin	Limit
[MHz]	[dBμV/m]	[cm]	[H/V]	[deg]	[dB]	[dB]	[dBμV/m]
2111.8000	22.89	100.0	V	73.0	-24.5	37.11	60.00
3793.1000	26.05	194.9	V	239.0	-17.3	33.95	60.00
7471.9000	29.00	105.1	V	100.0	-9.2	31.00	60.00
9845.1000	31.56	205.0	H	289.0	-6.4	28.44	60.00
13479.7000	33.82	105.0	V	10.0	-1.5	26.18	60.00
17945.6000	41.38	100.0	V	79.0	9.2	18.62	60.00

[Charging + LTE B12 High ch Idle mode]

Full Spectrum



[Peak]

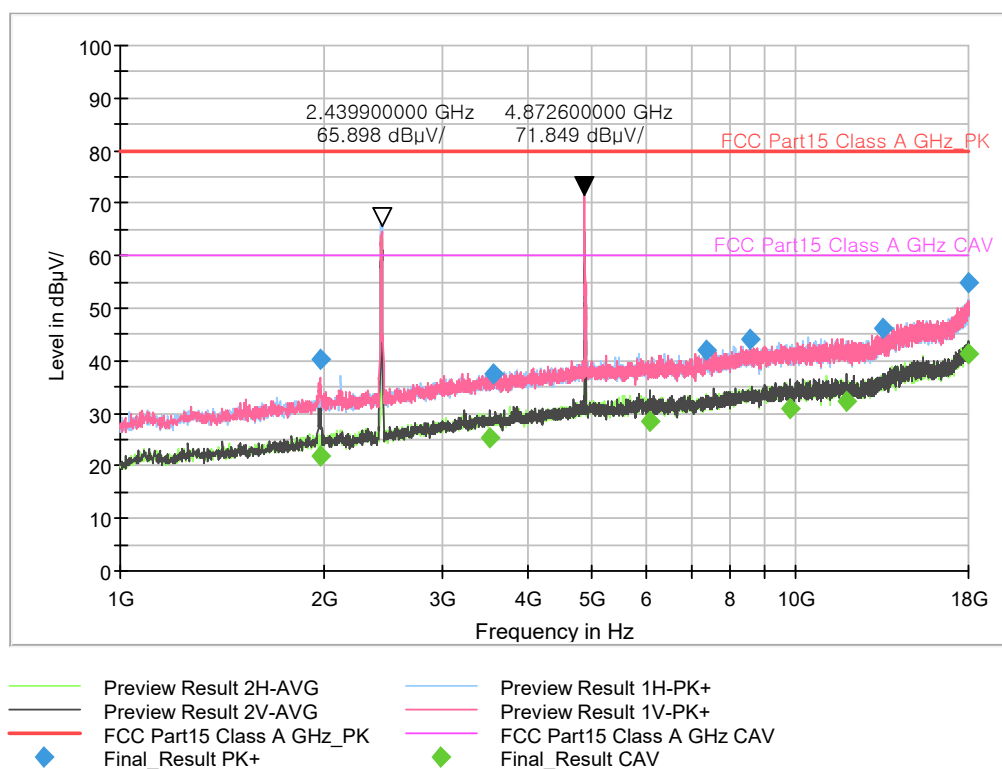
Frequency	Peak	Height	Pol.	Azimuth	Corr.	Margin	Limit
[MHz]	[dBμV/m]	[cm]	[H/V]	[deg]	[dB]	[dB]	[dBμV/m]
2084.6000	34.82	105.1	V	1.0	-24.6	45.18	80.00
4804.6000	40.68	105.1	V	85.0	-13.8	39.32	80.00
6542.0000	41.53	305.0	H	344.0	-10.5	38.47	80.00
9066.5000	43.54	100.0	V	221.0	-7.6	36.46	80.00
15404.1000	49.40	294.7	H	284.0	2.8	30.60	80.00
17932.0000	54.27	205.1	H	6.0	9.1	25.73	80.00

[CAverage]

Frequency	CAverage	Height	Pol.	Azimuth	Corr.	Margin	Limit
[MHz]	[dBμV/m]	[cm]	[H/V]	[deg]	[dB]	[dB]	[dBμV/m]
2111.8000	22.98	304.9	V	66.0	-24.5	37.02	60.00
4763.8000	27.72	205.1	V	-9.0	-14.1	32.28	60.00
6288.7000	28.54	294.4	V	121.0	-10.9	31.46	60.00
9607.1000	31.19	100.0	H	349.0	-6.7	28.81	60.00
15643.8000	36.59	105.1	V	354.0	3.1	23.41	60.00
18000.0000	41.64	294.8	H	108.0	9.5	18.36	60.00

[Charging + WiFi Idle mode]

Full Spectrum



[Peak]

Frequency	Peak	Height	Pol.	Azimuth	Corr.	Margin	Limit
[MHz]	[dBμV/m]	[cm]	[H/V]	[deg]	[dB]	[dB]	[dBμV/m]
1972.4000	40.14	105.0	V	79.0	-25.2	39.86	80.00
3565.3000	37.66	105.2	V	85.0	-18.1	42.34	80.00
7375.0000	42.05	305.0	H	278.0	-9.3	37.96	80.00
8558.2000	43.93	294.7	V	348.0	-8.0	36.07	80.00
13445.7000	46.29	105.1	V	3.0	-1.4	33.71	80.00
17988.1000	54.90	105.0	H	134.0	9.4	25.10	80.00

[CAverage]

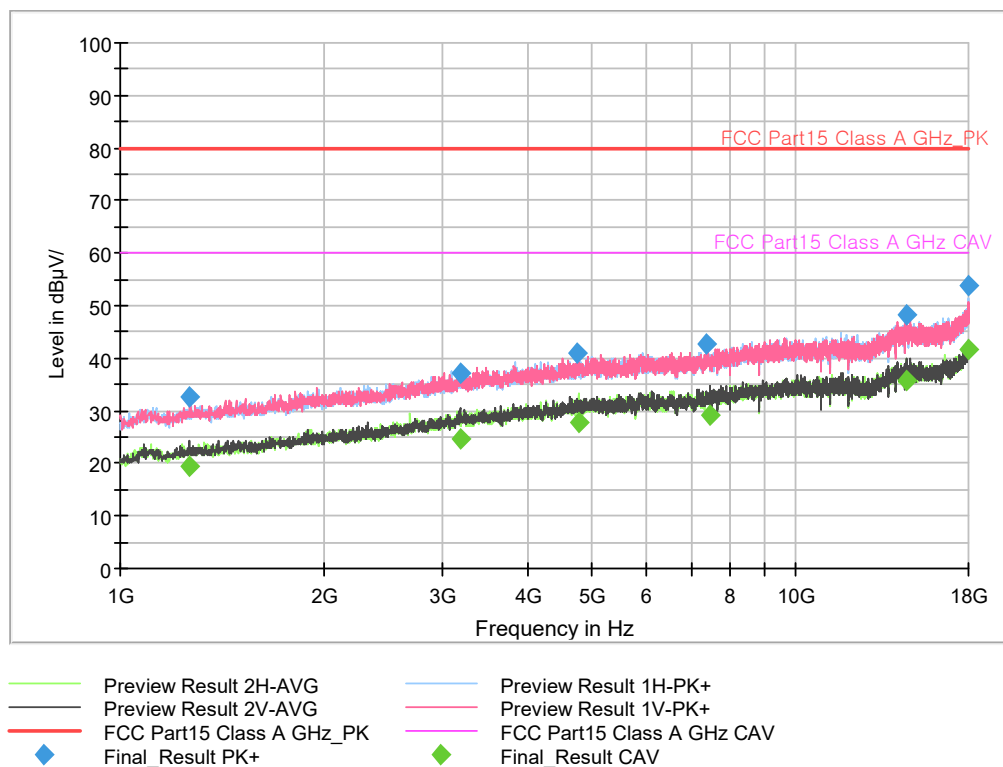
Frequency	CAverage	Height	Pol.	Azimuth	Corr.	Margin	Limit
[MHz]	[dBμV/m]	[cm]	[H/V]	[deg]	[dB]	[dB]	[dBμV/m]
1979.2000	21.92	100.0	V	79.0	-25.1	38.08	60.00
3527.9000	25.44	100.0	V	218.0	-18.3	34.56	60.00
6086.4000	28.59	305.1	V	38.0	-11.3	31.41	60.00
9794.1000	30.96	100.0	V	215.0	-6.6	29.04	60.00
11897.0000	32.24	105.0	V	50.0	-3.2	27.76	60.00
17952.4000	41.33	105.0	V	89.0	9.2	18.67	60.00

* 2.4399 GHz : Wi-Fi 2.4 GHz Rx Frequency

* 4.8726 GHz : Wi-Fi 2.4 GHz Rx Harmonic Frequency

[Operating + 447 MHz mode]

Full Spectrum



[Peak]

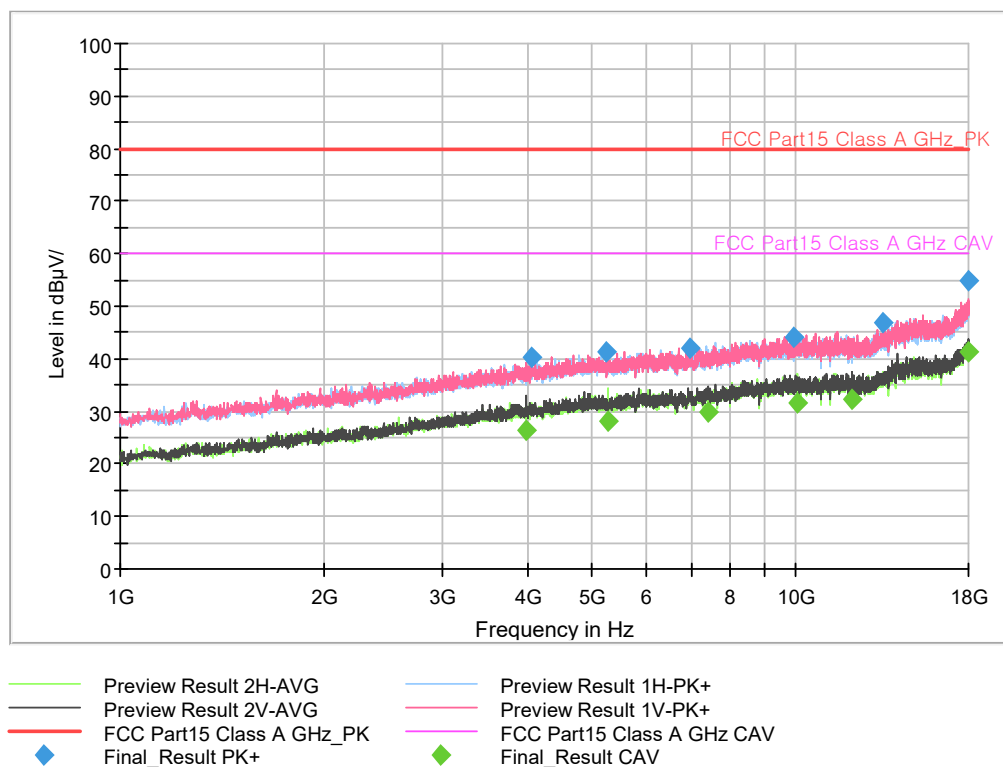
Frequency	Peak	Height	Pol.	Azimuth	Corr.	Margin	Limit
[MHz]	[dBμV/m]	[cm]	[H/V]	[deg]	[dB]	[dB]	[dBμV/m]
1268.6000	32.74	305.1	V	321.0	-29.3	47.26	80.00
3181.1000	37.11	105.1	V	352.0	-19.6	42.89	80.00
4750.2000	40.98	294.7	V	90.0	-14.1	39.02	80.00
7386.9000	42.82	294.7	H	72.0	-9.2	37.18	80.00
14550.7000	48.30	105.2	V	294.0	1.3	31.70	80.00
17996.6000	53.87	105.1	H	87.0	9.5	26.13	80.00

[CAverage]

Frequency	CAverage	Height	Pol.	Azimuth	Corr.	Margin	Limit
[MHz]	[dBμV/m]	[cm]	[H/V]	[deg]	[dB]	[dB]	[dBμV/m]
1265.2000	19.31	305.0	V	90.0	-29.3	40.69	60.00
3181.1000	24.78	100.0	V	6.0	-19.6	35.22	60.00
4758.7000	27.65	100.0	H	333.0	-14.1	32.35	60.00
7446.4000	29.23	100.0	V	203.0	-9.2	30.77	60.00
14557.5000	35.90	100.0	V	120.0	1.3	24.10	60.00
18000.0000	41.68	100.0	V	159.0	9.5	18.32	60.00

[LTE B12 Low ch Idle mode]

Full Spectrum



[Peak]

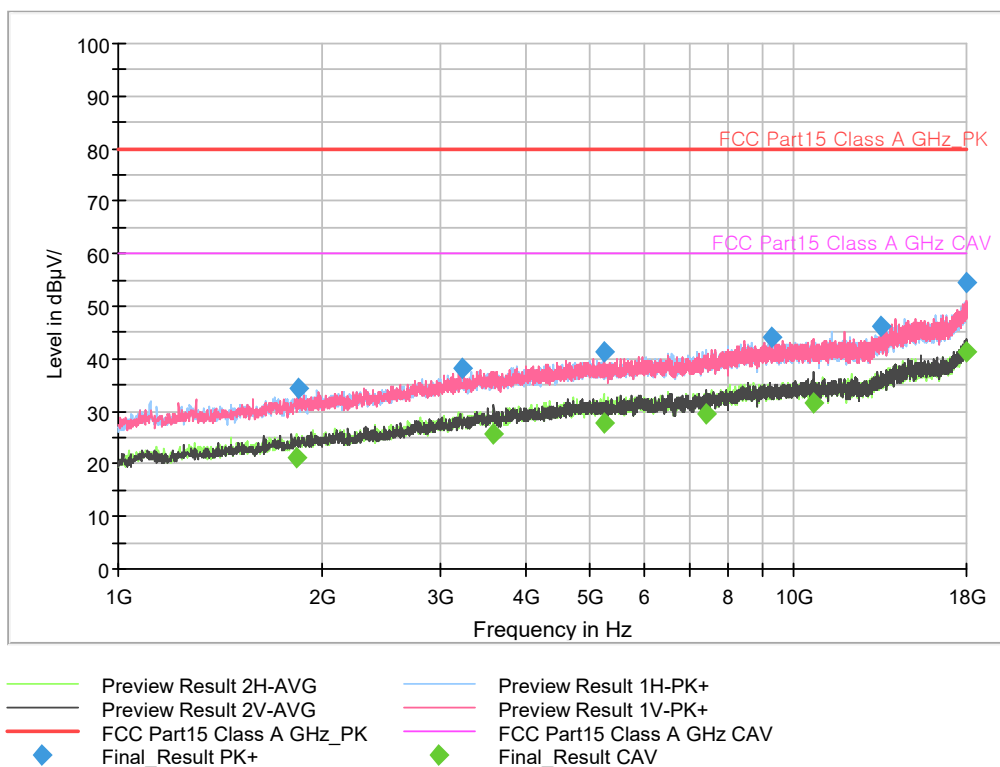
Frequency	Peak	Height	Pol.	Azimuth	Corr.	Margin	Limit
[MHz]	[dBμV/m]	[cm]	[H/V]	[deg]	[dB]	[dB]	[dBμV/m]
4068.5000	40.41	105.1	V	37.0	-16.4	39.59	80.00
5224.5000	41.20	295.1	H	305.0	-13.1	38.80	80.00
6948.3000	41.86	105.3	V	3.0	-9.9	38.14	80.00
9925.0000	43.99	205.0	V	147.0	-6.1	36.01	80.00
13433.8000	46.83	105.0	V	56.0	-1.4	33.17	80.00
18000.0000	54.84	295.2	V	262.0	9.5	25.16	80.00

[CAverage]

Frequency	CAverage	Height	Pol.	Azimuth	Corr.	Margin	Limit
[MHz]	[dBμV/m]	[cm]	[H/V]	[deg]	[dB]	[dB]	[dBμV/m]
3985.2000	26.42	295.1	V	336.0	-16.6	33.58	60.00
5282.3000	27.98	194.5	H	194.0	-13.0	32.02	60.00
7398.8000	29.82	305.3	V	30.0	-9.2	30.18	60.00
10037.2000	31.65	295.1	H	188.0	-6.0	28.35	60.00
12135.0000	32.43	195.1	V	155.0	-2.7	27.57	60.00
17959.2000	41.44	100.0	V	51.0	9.2	18.56	60.00

[LTE B12 Mid ch Idle mode]

Full Spectrum



[Peak]

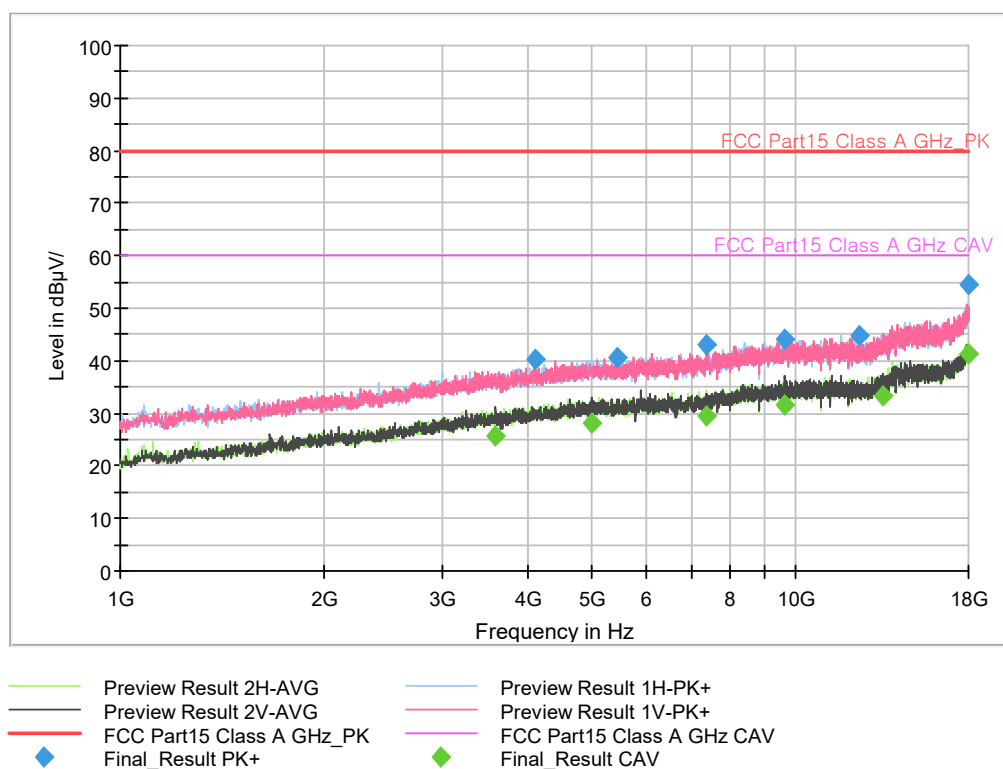
Frequency	Peak	Height	Pol.	Azimuth	Corr.	Margin	Limit
[MHz]	[dBμV/m]	[cm]	[H/V]	[deg]	[dB]	[dB]	[dBμV/m]
1843.2000	34.31	305.1	V	218.0	-25.9	45.69	80.00
3227.0000	38.07	305.0	H	282.0	-19.4	41.93	80.00
5222.8000	41.35	105.0	H	-3.0	-13.1	38.65	80.00
9256.9000	44.03	105.1	V	299.0	-7.3	35.97	80.00
13464.4000	46.21	305.0	H	146.0	-1.4	33.79	80.00
17972.8000	54.36	105.1	V	44.0	9.3	25.64	80.00

[CAverage]

Frequency	CAverage	Height	Pol.	Azimuth	Corr.	Margin	Limit
[MHz]	[dBμV/m]	[cm]	[H/V]	[deg]	[dB]	[dB]	[dBμV/m]
1836.4000	21.31	294.5	H	291.0	-25.9	38.69	60.00
3599.3000	25.72	294.1	V	52.0	-17.9	34.28	60.00
5222.8000	27.68	100.0	H	22.0	-13.1	32.32	60.00
7397.1000	29.54	294.2	V	258.0	-9.2	30.46	60.00
10667.9000	31.68	300.2	V	71.0	-5.0	28.32	60.00
17966.0000	41.45	105.2	V	308.0	9.3	18.55	60.00

[LTE B12 High ch Idle mode]

Full Spectrum



[Peak]

Frequency	Peak	Height	Pol.	Azimuth	Corr.	Margin	Limit
[MHz]	[dBμV/m]	[cm]	[H/V]	[deg]	[dB]	[dB]	[dBμV/m]
4100.8000	40.27	100.0	V	82.0	-16.3	39.73	80.00
5428.5000	40.72	300.9	V	223.0	-12.7	39.28	80.00
7390.3000	42.91	305.0	V	119.0	-9.2	37.09	80.00
9644.5000	44.03	105.1	H	-9.0	-6.6	35.97	80.00
12390.0000	44.65	105.2	V	352.0	-3.0	35.35	80.00
18000.0000	54.64	305.0	H	140.0	9.5	25.36	80.00

[CAverage]

Frequency	CAverage	Height	Pol.	Azimuth	Corr.	Margin	Limit
[MHz]	[dBμV/m]	[cm]	[H/V]	[deg]	[dB]	[dB]	[dBμV/m]
3599.3000	25.80	100.0	V	46.0	-17.9	34.20	60.00
4979.7000	27.98	100.0	V	340.0	-13.5	32.02	60.00
7390.3000	29.58	294.7	H	10.0	-9.2	30.42	60.00
9632.6000	31.47	100.0	V	4.0	-6.7	28.53	60.00
13415.1000	33.49	105.1	V	-14.0	-1.3	26.51	60.00
17959.2000	41.41	305.1	H	223.0	9.2	18.59	60.00

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-2605-FC003-P	May 15, 2026	Initial Release

End of report