



TEST REPORT

Eurofins KCTL Co.,Ltd. 65, Sinwon-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Korea Tel: 82-70-4904-0113 Fax: 82-505-299-8311 www.kctl.co.kr	Report No.: KR26-SEF0128 Page (1) of (25)	KCTL
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- 1. Client**
 - Name : Samsung Electronics Co., Ltd.
 - Address : 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Rep. of Korea
 - Date of Receipt : 2026-03-23
- 2. Use of Report** : Certification
- 3. Name of Product / Model** : Smart Wearable / SM-L355U
- 4. Manufacturer / Country of Origin** : Samsung Electronics Co., Ltd. / Vietnam
- 5. Date of Test** : 2026-04-27 to 2026-04-28
- 6. Location of Test** : ☒ Permanent Testing Lab ☐ On Site Testing
 (Address: 65, Sinwon-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Korea)
- 7. Test method used** : 47 CFR Part 15, Subpart B, Class B / ANSI C63.4-2014
- 8. FCC ID** : A3LSML355
- 9. Test Results** : Refer to the test result in the test report

Affirmation	Tested by Name : Dootae Lee (Signature)	Technical Manager Name : Moonseop Cho (Signature)
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2026-05-06

Eurofins KCTL Co.,Ltd.

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REPORT REVISION HISTORY

Date	Revision	Page No
2026-05-06	Originally issued	-

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General remarks for test reports

Statement concerning the uncertainty of the measurement systems used for the tests

(may be required by the product standard or client)

☐ Internal procedure used for type testing through which traceability of the measuring uncertainty has been established:

Procedure number, issue date and title:

Calculations leading to the reported values are on file with the testing laboratory that conducted the testing.

☒ Statement not required by the standard or client used for type testing

Contents

1. Applicant information	4
2. Laboratory information	5
3. Test system configuration.....	5
3.1 Operation environment.....	6
3.2 Measurement Uncertainty	7
4. Description of EUT	9
4.1 General information.....	9
4.2 Product description.....	10
4.3 Auxiliary equipments	10
4.4 Test configuration	11
4.5 Operating conditions	13
5. Summary of test results	14
5.1 Summary of EMI emission test results.....	14
6. Test results	15
6.1 Conducted Emissions.....	15
6.2 Radiated Emission	18

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1. Applicant information

Applicant: Samsung Electronics Co., Ltd.
Address: 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do,
 16677, Rep. of Korea

Manufacturer: Samsung Electronics Co., Ltd.
Address: 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do,
 16677, Rep. of Korea

Factory #1: Samsung Electronics Vietnam Co., Ltd.
Address: Yen Phong Industrial Park 1, Yen Trung Commune,
 Bac Ninh Province, Vietnam

Factory #2: ALMUS TECH COMPANY LIMITED
Address: Lot G3, Que Vo Industrial Park(Expanded Area), Nam son Ward,
 Bac Ninh Province, Vietnam

2. Laboratory information

Address

Eurofins KCTL Co.,Ltd. (Suwon Lab.)

65, Sinwon-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Korea

Telephone Number: 82 70 4904 0113

Facsimile Number: 82 505 299 8311

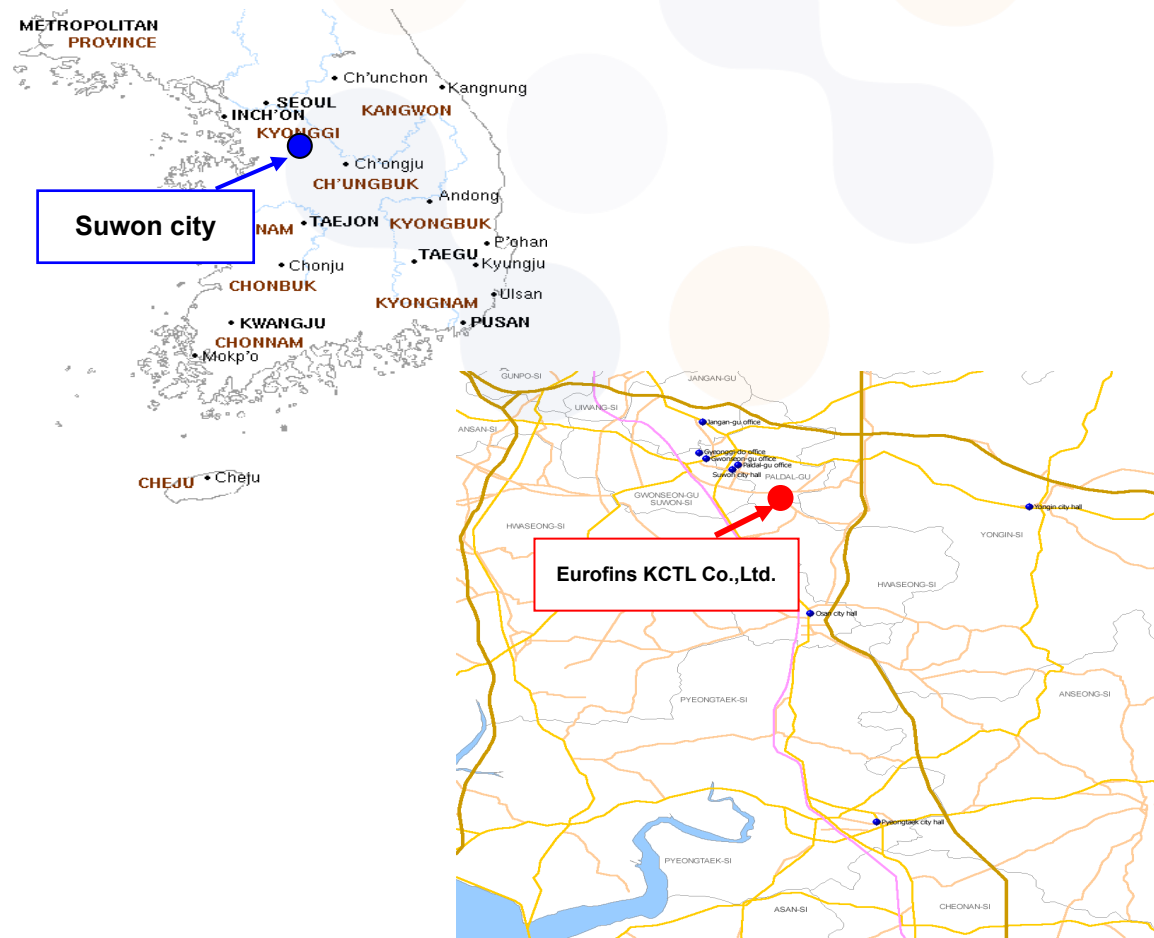
FCC Site Designation No: KR0040

VCCI Member No.: 1980, VCCI Registration No.: R-20080, G-20078, C-20059, T-20056

Industry Canada Registration No. : 8035A

KOLAS NO.: KT231

SITE MAP



3. Test system configuration

3.1 Operation environment

	Temperature	Humidity	Pressure
Chamber 10 m (RE)	24.6 °C / 24.3 °C	34.5 % R.H. / 34.0 % R.H.	-
Shielded room(CE)	24.5 °C	32.7 % R.H.	-

Test site

These testing items were performed following locations;

Test item	Test site
Conducted Emission	Shielded Room
Radiated Emission	10 m Chamber

3.2 Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in field of EMC.

The factors contributing to uncertainties are test receiver, cable loss, antenna factor calibration, Antenna directivity, antenna factor variation with height, antenna phase center variation, antenna frequency interpolation, measurement distance variation, site imperfection, mismatch, and system repeatability. Based on CISPR 16-4-2, the measurement uncertainty level with a 95 % confidence level was applied.

Conducted Emission measurement (Confidence level about 95 %, $k = 2$)		
Shielded Room (CE#1)	9 kHz ~ 150 kHz:	2.0 dB
	150 kHz ~ 30 MHz:	2.3 dB
Shielded Room (CE#2)	9 kHz ~ 150 kHz:	2.0 dB
	150 kHz ~ 30 MHz:	2.3 dB
Radiated Emission measurement (Confidence level about 95 %, $k = 2$)		
10 m Chamber (4F)	30 MHz ~ 1 000 MHz	3 m: 4.5 dB
		10 m: 4.3 dB
	1 GHz ~ 6 GHz	3 m: 5.2 dB
	6 GHz ~ 18 GHz	3 m: 5.5 dB
	18 GHz ~ 30 GHz	3 m: 5.5 dB
	30 GHz ~ 40 GHz	3 m: 5.5 dB
10 m Chamber (2F)	30 MHz ~ 1 000 MHz	3 m: 4.5 dB
		10 m: 4.3 dB
	1 GHz ~ 6 GHz	3 m: 5.2 dB
	6 GHz ~ 18 GHz	3 m: 5.5 dB

3.3 Measurement Program

These test items were performed by software programs;

Test item	Measurement Program		Used
Conducted Emission	EP5/CE_Ver 5.4.0(TOYO)		☒
Radiated Emission	2F	EP10/RE_Ver 2021.01.000 (TOYO)	☒
	4F	EP5/RE_Ver 5.11.10(TOYO)	

4. Description of EUT

4.1 General information

Declared Hardware Version	REV1.0
Declared Software Version	L355U.001



4.2 Product description

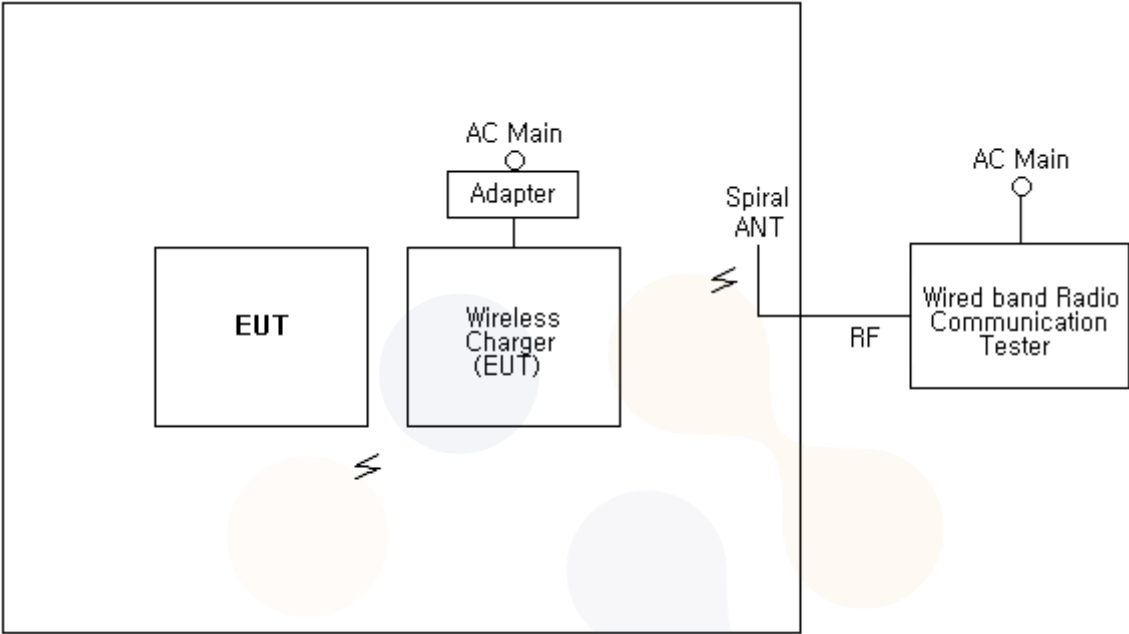
Type of product	Smart Wearable
Model name (Basic)	SM-L355U
Model name (Variant)	SM-L355F
Difference	SW difference
Serial no	-
Testing voltage	120 V, 60 Hz / DC 3.86 V
Input/Output rating	120 V, 60 Hz (Power supplied from Wireless Charger Adapter) DC 3.86 V (Built in Battery)
RF Function(s)	WCDMA II/ IV/ V, LTE Band 2/4/5/7/12/13/14/25/26/66/71 WLAN 2.4/5 GHz, Bluetooth, NFC(Only RX)
Test frequency	LTE Band 14(Rx): 760.5 MHz ~ 765.5 MHz
Note	-The following accessory was provided by the manufacturer. 1) Wireless Charger (EP-OL300) - FCC ID: A3LEPOL300

4.3 Auxiliary equipments

Type	Model / Part #	S/N	Manufacturer
Wireless Charger	EP-OL300	-	RF TECH
Adapter	EP-TA800	-	SAMSUNG
Wired band Radio Communication Tester	CMW500	-	R&S
Spiral ANT	PSA 75301R/170	-	Cobham

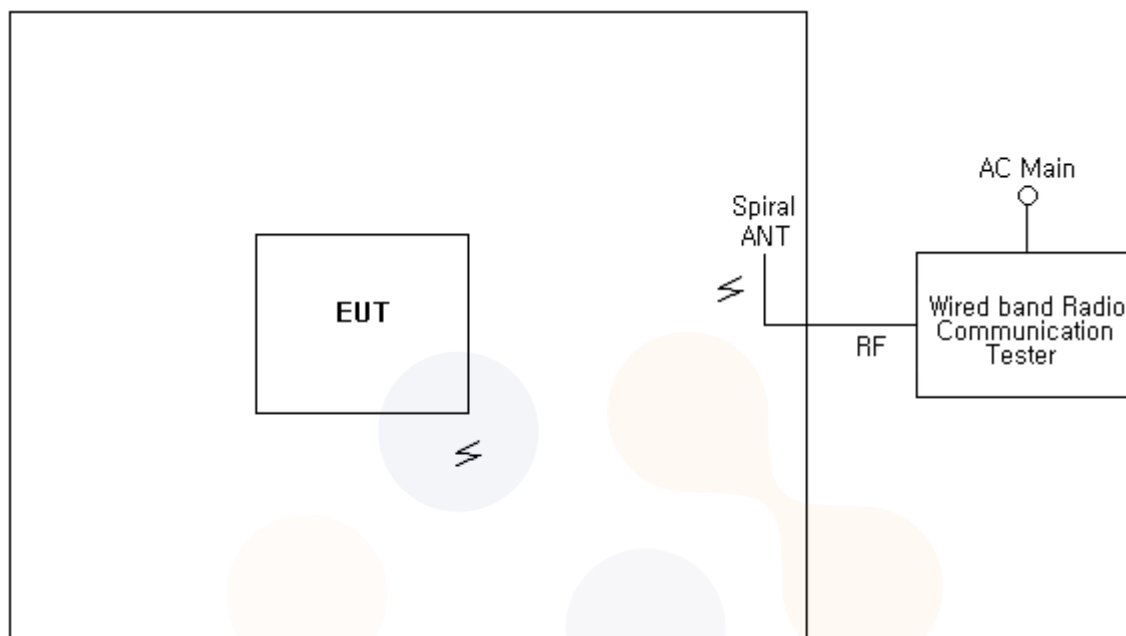
4.4 Test configuration

[Test #1]



	Start		End		Cable	
	Name	I/O port	Name	I/O port	Length (m)	Spec.
1	EUT	-	-	-	-	-
2	Wireless Charger (EUT)	USB-C	Adapter	USB-C	1.5	Unshield
3	Wired band Radio Communication Tester	RF	Spiral ANT	RF	2.0	Shield

[Test #2]



	Start		End		Cable	
	Name	I/O port	Name	I/O port	Length (m)	Spec.
1	EUT	-	-	-	-	-
2	Wired band Radio Communication Tester	RF	Spiral ANT	RF	2.0	Shield

4.5 Operating conditions

The EUT was configured as normal intended use.

Test mode	Normal operating
Test #1	Wireless Charging(w/TA) + Cellular receiver (LTE Band 14_MID)
Test #2	Battery + Cellular receiver (LTE Band 14_MID)

Note 1. All cellular RX bands operating below 960 MHz, including WCDMA, LTE have been investigated with low/middle/high channels. Among the bands LTE Band 14_MID is the worst mode.

Note 2. It means this device needs to be tested with 3 orientations (x, y and z) and at least the worst case orientation shall be set for final test.

It was determined that X orientation was worst-case orientation. Therefore, all final radiated testing was performed with the EUT in X orientation.

5. Summary of test results

5.1 Summary of EMI emission test results

Applied	Test items	Test method	Result
☒	Conducted Emission	47 CFR Part 15, Subpart B, Class B / ANSI C63.4-2014	Refer to Section 6.1.4
☒	Radiated Emission	47 CFR Part 15, Subpart B, Class B / ANSI C63.4-2014	Refer to Section 6.2.5

6. Test results

6.1 Conducted Emissions

Testing voltage	120 V, 60 Hz		
Test facility	Shielded room (CE#1)		
Date	2026-04-28		
Temperature (°C)	24.5 °C	Humidity (% R.H.)	32.7 % R.H.

6.1.1 Limits of conducted emissions measurement

Frequency [MHz]	Class A (dB(μ V))		Class B (dB(μ V))	
	Quasi-peak	Average	Quasi-peak	Average
0.15 ~ 0.5	79	66	66 ~ 56 ¹⁾	56 ~ 46 ¹⁾
0.5 ~ 5	73	60	56	46
5 ~ 30	73	60	60	50

¹⁾ The limit decreases linearly with the logarithm of frequency

6.1.2 Measurement procedure

The measurements were performed in a shielded room. EUT was setup as shown in photograph and placed on a non-metallic table height of 0.8 m above the reference ground plane. The rear of table was located 0.4 m to the vertical conducted plane. EUT was power through the LISN, which was bonded to the ground plane. The LISN power was filtered. Each EUT power lead, except ground (safety) lead was individually connected through a LISN to input power source. EUT signal cables that hung closer than 0.4 m to the Horizontal metal ground 0.3 m ~ 0.4 m long. The power cord was bundles in the center. All peripheral equipment was powered from a sub LISN. The LISN and ISN were positioned 0.8 m from the EUT. Peak and Average detection were used in preliminary testing and Quasi-peak and Average detections were used at final measurement.

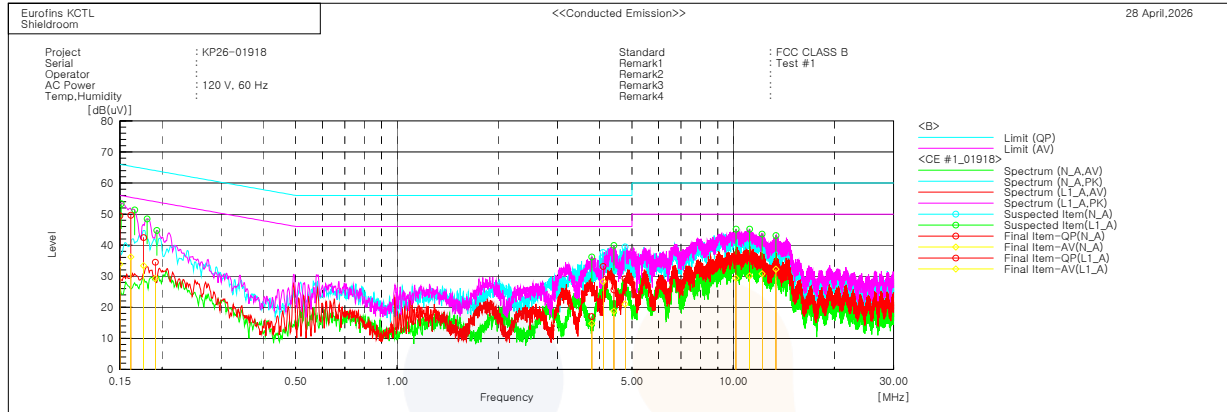
6.1.3 Used equipments

Date: 2026-04-28

Equipment	Model no.	Serial no.	Makers	Next Cal. Date	Used
EMI TEST RECEIVER	ESCI 3	101408	R&S	2026.08.11	☒
TWO-LINE V-NETWORK	ENV216	101358	R&S	2027.04.21	☒
TWO-LINE V-NETWORK	ENV216	101352	R&S	2027.03.24	☐

6.1.4 Conducted emissions measurement result

AC Main



Final Result

--- N.A Phase ---									
No.	Frequency	Reading QP	Reading CAV	c.f	Result QP	Result CAV	Limit QP	Limit AV	Margin
	[MHz]	[dB(uV)]	[dB(uV)]	[dB]	[dB(uV)]	[dB(uV)]	[dB(uV)]	[dB(uV)]	QP [dB]
1	4.10278	23.2	18.4	9.9	33.1	28.3	56.0	46.0	22.9
2	4.77081	19.2	11.0	10.0	29.2	21.0	56.0	46.0	17.7
--- L1.A Phase ---									
No.	Frequency	Reading QP	Reading CAV	c.f	Result QP	Result CAV	Limit QP	Limit AV	Margin
	[MHz]	[dB(uV)]	[dB(uV)]	[dB]	[dB(uV)]	[dB(uV)]	[dB(uV)]	[dB(uV)]	QP [dB]
1	0.15007	39.3	23.7	10.1	49.4	33.8	66.0	56.0	16.6
2	0.16174	39.3	25.9	10.3	49.6	36.2	65.4	55.4	15.8
3	0.17658	32.0	23.0	10.4	42.4	33.4	64.6	54.6	22.2
4	0.19125	24.2	19.0	10.3	34.5	29.3	64.0	54.0	29.5
5	3.80032	7.1	4.9	9.9	17.0	14.8	56.0	46.0	39.0
6	4.42073	15.7	8.8	9.9	25.6	18.7	56.0	46.0	30.4
7	10.197	24.0	18.8	10.6	34.6	29.4	60.0	50.0	25.4
8	11.19824	25.8	19.4	10.7	36.5	30.1	60.0	50.0	23.5
9	12.18979	23.0	20.0	10.8	33.8	30.8	60.0	50.0	26.2
10	13.40358	23.2	21.5	10.8	34.0	32.3	60.0	50.0	26.0

6.2 Radiated Emission

Testing voltage		120 V, 60 Hz / DC 3.86 V		
Test facility		10 m Chamber (4F)		
Site validation date		Below 1 GHz	2026-03-13	
		Above 1 GHz	2025-11-12	
Test distance		3 m		
Date		2026-04-27		
Below 1 GHz	Temperature (°C)	24.6 °C	Humidity (% R.H.)	34.5 % R.H.
Above 1 GHz		24.3 °C		34.0 % R.H.

6.2.1 Limits of radiated emission measurement

	Class A at 10 m QP(dB(μV/m))		Class B at 3 m QP(dB(μV/m))	
Frequency [MHz]	FCC ¹⁾	ISED (ICES Issue 7)	FCC ¹⁾	ISED (ICES Issue 7)
30-88	39.1	40.0	40.0	40.0
88-216	43.5	43.5	43.5	43.5
216-230	46.4	46.4	46.0	46.0
230-960	46.4	47.0	46.0	47.0
Above 960	49.5	49.5	54.0	54.0

- ¹⁾: Alternative standard: CISPR, Pub. 22

- Test data in this section has been taken against the FCC 15.109(a) or (B) Limit as it is the most stringent limit.

By complying with more restrictive FCC 15.109 Limit compliance with the ICES-003 Issue 7 limit also demonstrated.

6.2.2 Measurement procedure

The test was done at a 10 m chamber with a quasi-peak detector. EUT was placed on a non-metallic table height of 0.8 m above the reference ground plane. Cables were folded back and forth forming a bundle 0.3 m to 0.4 m long and were hanged at a 0.4 m height to the ground plane.

Cables connected to EUT were fixed to cause maximum emission. Test was made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna was varied in height above the conducting ground plane to obtain the maximum signal strength.

6.2.3 Used equipments

Date: 2026-04-27

Equipment	Model no.	Serial no.	Makers	Next Cal. Date	Used
EMI TEST RECEIVER	ESR7	101078	R&S	2026.08.11	☒
Bilog Antenna	CBL 6112D	62438	TESEQ	2027.04.15	☒
AMPLIFIER	310N	344922	SONOMA	2026.08.12	☒
ATTENUATOR	8491B-6dB	MY39271082	KEYSIGHT	-	☒
Antenna Mast	MA4640-XP-ET	-	Innco Systems	-	☒
Turn Table	DT3000-2t	-	Innco Systems	-	☒
DOUBLE RIDGED HORN ANTENNA	3115	00155772	ETS-LINDGREN	2026.11.11	☒
DOUBLE RIDGED HORN ANTENNA	3117	00155787	ETS-LINDGREN	2026.11.25	☒
AMPLIFIER	BBV9718C	00138	SCHWARZBECK	2026.09.29	☒
HORN ANTENNA	AHA-840	10100006	COM-POWER	2027.02.11	☒
EMI TEST RECEIVER	ESW44	103121	R&S	2026.06.11	☒

6.2.4 Sample calculation

The field strength is calculated adding the antenna Factor, cable loss and, Antenna pad adding, subtracting the amplifier gain from the measured reading.

The sample calculation is as follow:

$$\text{Result} = \text{M.R} + \text{C.F}(\text{A.F} + \text{C.L} + 6 \text{ dB Att} - \text{A.G})$$

M.R = Meter Reading

C.F = Correction Factor

A.F = Antenna Factor

C.L = Cable Loss

A.G = Amplifier Gain

6 dB Att = 6 dB Attenuator

If M.R is 30 dB, A.F 12 dB, C.L 5 dB, 6 dB, A.G 35 dB

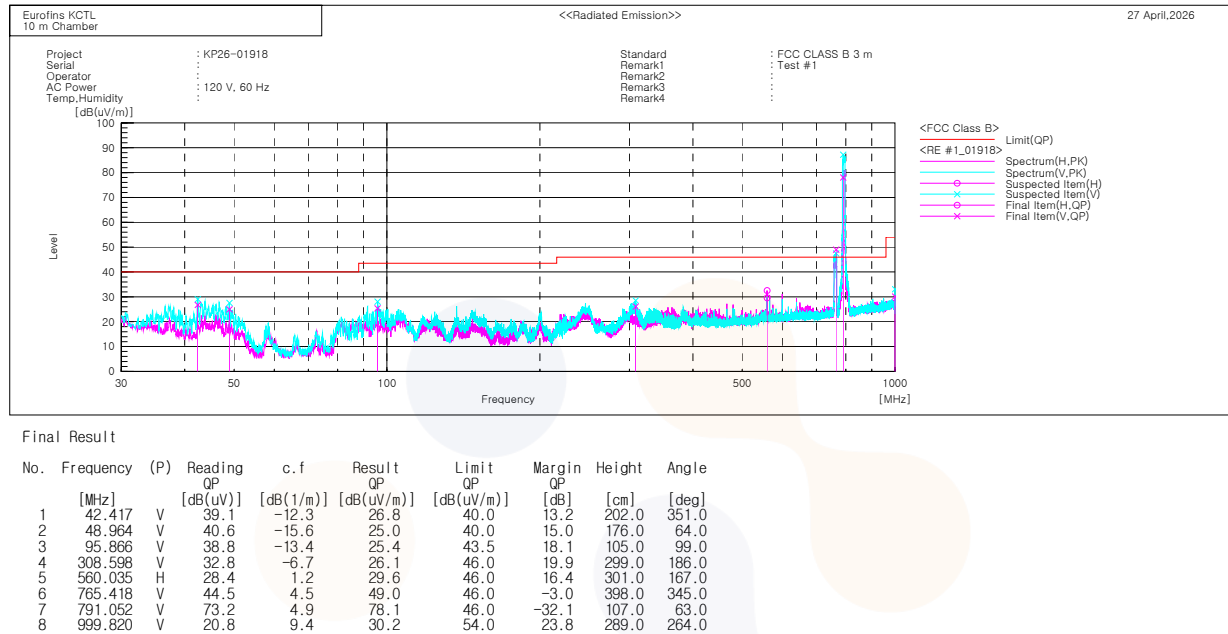
The result is $30 + 12 + 5 + 6 - 35 = 18 \text{ dB } (\mu\text{V/m})$

Bilog Antenna and ATTENUATOR (6 dB) were calibrated together.

AV = CAV : Abbreviation of CISPR Average

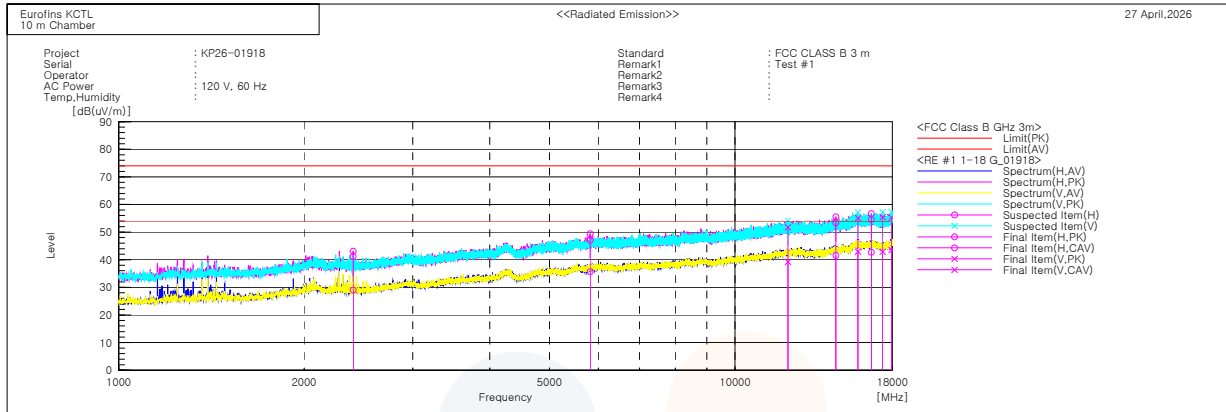
6.2.5 Radiated emission measurement result

30 MHz ~ 1 GHz



No. 6, 7 is the fundamental frequency. (765.418 MHz_LTE Band 14(Rx), 791.052 MHz_LTE Band 14(Tx))

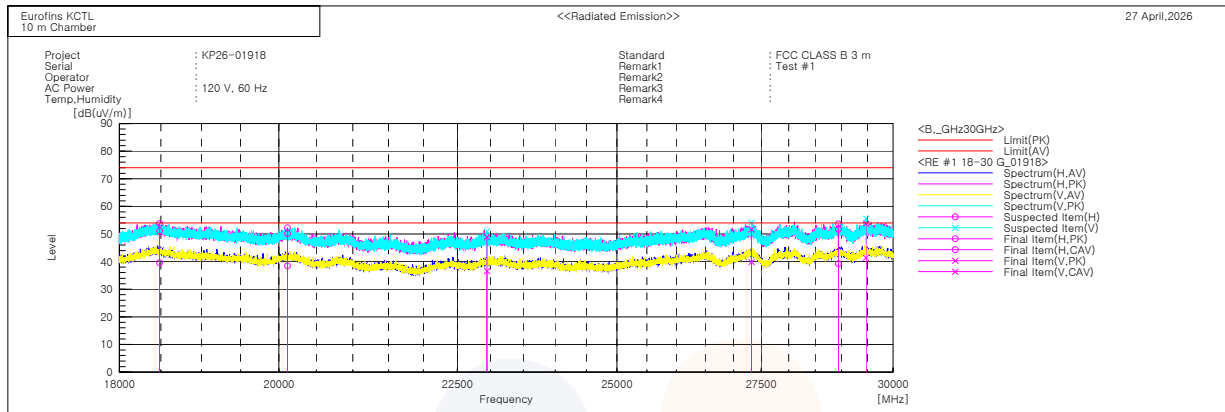
1 GHz ~ 18 GHz



Final Result

No.	Frequency [MHz]	(P)	Reading PK [dB(uV)]	Reading CAV [dB(uV)]	c.f [dB(1/m)]	Result PK [dB(uV/m)]	Result CAV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin CAV [dB]	Height [cm]	Angle [deg]
1	2400.870	H	43.0	30.9	-1.9	41.1	29.0	74.0	54.0	32.9	25.0	381.0	105.0
2	5819.741	H	37.2	25.8	9.9	47.1	35.7	74.0	54.0	26.9	18.3	299.0	251.0
3	12189.110	V	35.6	23.1	16.2	51.8	39.3	74.0	54.0	22.2	14.7	127.0	23.0
4	14578.580	H	36.7	24.8	16.7	53.4	41.5	74.0	54.0	20.6	12.5	306.0	103.0
5	15834.940	V	36.7	24.6	18.4	55.1	43.0	74.0	54.0	18.9	11.0	141.0	42.0
6	16642.480	H	35.9	24.0	18.7	54.6	42.7	74.0	54.0	19.4	11.3	371.0	30.0
7	17359.920	V	37.5	24.9	18.0	55.5	42.9	74.0	54.0	18.5	11.1	146.0	324.0
8	17942.200	V	35.7	23.9	19.6	55.3	43.5	74.0	54.0	18.7	10.5	108.0	81.0

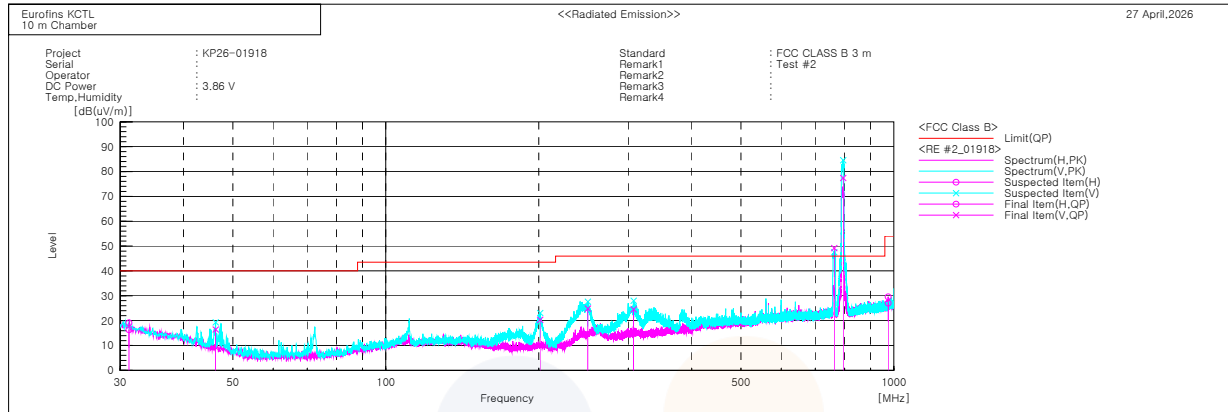
18 GHz ~ 30 GHz



Final Result

No.	Frequency [MHz]	(P)	Reading PK [dB(uV)]	Reading CAV [dB(uV)]	c.f [dB(1/m)]	Result PK [dB(uV/m)]	Result CAV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin CAV [dB]	Height [cm]	Angle [deg]
1	18483.620	H	32.6	21.1	18.5	51.1	39.6	74.0	54.0	22.9	14.4	394.0	2.0
2	20112.100	H	35.0	23.3	15.2	50.2	38.5	74.0	54.0	23.8	15.5	211.0	63.0
3	22946.050	V	35.3	23.0	13.6	48.9	36.6	74.0	54.0	25.1	17.4	117.0	198.0
4	27322.070	V	37.0	25.2	14.7	51.7	39.9	74.0	54.0	22.3	14.1	114.0	73.0
5	28936.150	H	34.8	22.4	16.9	51.7	39.3	74.0	54.0	22.3	14.7	314.0	243.0
6	29468.380	V	36.6	24.2	17.2	53.8	41.4	74.0	54.0	20.2	12.6	106.0	205.0

30 MHz ~ 1 GHz

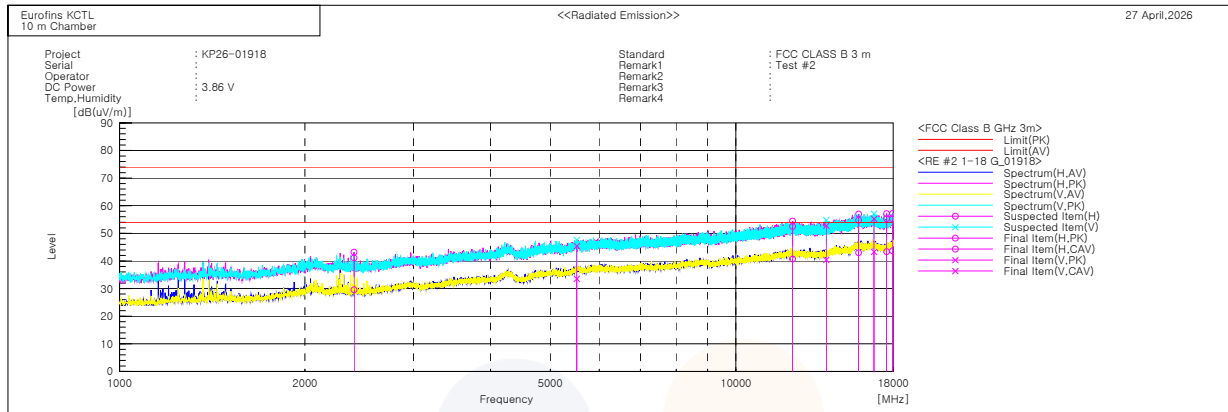


Final Result

No.	Frequency [MHz]	(P)	Reading QP [dB(uV)]	c.f [dB(1/m)]	Result QP [dB(uV/m)]	Limit QP [dB(uV/m)]	Margin QP [dB]	Height [cm]	Angle [deg]
1	31.213	H	22.2	-5.9	16.3	40.0	23.7	386.0	18.0
2	46.248	V	30.6	-14.1	16.5	40.0	23.5	117.0	248.0
3	201.311	V	32.3	-11.9	20.4	43.5	23.1	391.0	235.0
4	249.910	V	32.8	-7.9	24.9	46.0	21.1	183.0	322.0
5	307.482	V	31.4	-6.8	24.6	46.0	21.4	107.0	328.0
6	763.357	V	44.8	4.4	49.2	46.0	-3.2	311.0	134.0
7	794.980	V	72.2	5.2	77.4	46.0	-31.4	201.0	58.0
8	974.829	H	18.4	8.7	27.1	54.0	26.9	399.0	245.0

No. 6, 7 is the fundamental frequency. (763.357 MHz_LTE Band 14(Rx), 794.980 MHz_LTE Band 14(Tx))

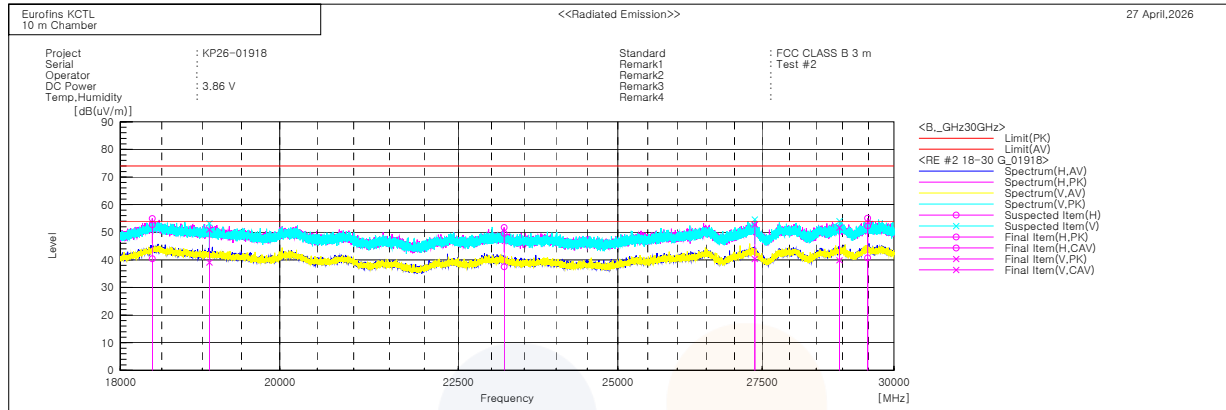
1 GHz ~ 18 GHz



Final Result

No.	Frequency [MHz]	(P)	Reading PK [dB(uV)]	Reading CAV [dB(uV)]	c.f [dB(1/m)]	Result PK [dB(uV/m)]	Result CAV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin CAV [dB]	Height [cm]	Angle [deg]
1	2400.870	H	43.0	31.5	-1.9	41.1	29.6	74.0	54.0	32.9	24.4	395.0	32.0
2	5519.676	V	36.5	24.7	8.9	45.4	33.6	74.0	54.0	28.6	20.4	110.0	42.0
3	12363.370	H	36.3	24.5	16.2	52.5	40.7	74.0	54.0	21.5	13.3	330.0	315.0
4	14017.550	V	37.0	24.6	15.8	52.8	40.4	74.0	54.0	21.2	13.6	216.0	163.0
5	15823.890	H	36.4	24.6	18.4	54.8	43.0	74.0	54.0	19.2	11.0	330.0	227.0
6	16748.740	V	36.3	24.4	18.9	55.2	43.3	74.0	54.0	18.8	10.7	114.0	175.0
7	17564.780	H	36.6	24.7	18.7	55.3	43.4	74.0	54.0	18.7	10.6	315.0	211.0
8	17962.600	H	35.6	24.1	19.6	55.2	43.7	74.0	54.0	18.8	10.3	399.0	285.0

18 GHz ~ 30 GHz



Final Result

No.	Frequency [MHz]	(P)	Reading PK [dB(uV)]	Reading CAV [dB(uV)]	c.f [dB(1/m)]	Result PK [dB(uV/m)]	Result CAV [dB(uV/m)]	Limit PK [dB(uV/m)]	Limit AV [dB(uV/m)]	Margin PK [dB]	Margin CAV [dB]	Height [cm]	Angle [deg]
1	16364.020	H	34.2	21.9	18.5	52.7	40.4	74.0	54.0	21.3	13.6	299.0	121.0
2	19090.250	V	34.9	23.0	16.1	51.0	39.1	74.0	54.0	23.0	14.9	143.0	211.0
3	23193.260	H	36.1	24.0	13.5	49.6	37.5	74.0	54.0	24.4	16.5	386.0	91.0
4	27365.270	V	38.2	25.7	14.6	52.8	40.3	74.0	54.0	21.2	13.7	122.0	345.0
5	28940.950	V	34.9	23.1	16.8	51.7	39.9	74.0	54.0	22.3	14.1	119.0	147.0
6	29484.580	H	35.1	23.5	17.2	52.3	40.7	74.0	54.0	21.7	13.3	308.0	135.0

-End-