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TEST REPORT

of

FCC CFR 47 part 1, 1.1307(b), 1.1310

FCC ID: BEJTM05NNNABM0

Equipment Under Test	:	Module
Model Name	:	TM05NNNABM0
Variant Model Name(s)	:	-
Applicant	:	LG Electronics USA, Inc.
Manufacturer	:	LG Electronics Inc.
Date of Receipt	:	2024.06.12
Date of Test(s)	:	2024.06.17 ~ 2024.07.11
Date of Issue	:	2024.07.11

In the configuration tested, the EUT complied with the standards specified above. This test report does not assure KOLAS accreditation.

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2) The SGS Korea is not responsible for the sampling, the results of this test report apply to the sample as received.
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Tested by: Murphy Kim

Technical Manager: Jinhyoung Cho

SGS Korea Co., Ltd. Gunpo Laboratory

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1. General Information

1.1. Testing Laboratory

SGS Korea Co., Ltd. (Gunpo Laboratory)
- 10-2, LS-ro 182beon-gil, Gunpo-si, Gyeonggi-do, Korea, 15807
- 4, LS-ro 182beon-gil, Gunpo-si, Gyeonggi-do, Korea, 15807
- Designation number: KR0150

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1.2. Details of Applicant

Applicant	:	LG Electronics USA, Inc.
Address	:	111 Sylvan Avenue, North Building, Englewood Cliffs, New Jersey, United States, 07632
Contact Person	:	Kim, David
Phone No.	:	+1 201 470 2696

1.3. Details of Manufacturer

Company	:	LG Electronics Inc.
Address	:	128, Yeoui-daero, Yeongdeungpo-gu, Seoul, Republic of Korea, 07336

1.4. Description of EUT

Kind of Product		Module	
Model Name		TM05NNNABM0	
Serial Number		Conducted: 354287760018015, Radiated: 354287760018023	
Power Supply		DC 12.5 V	
Rated Power	**SIM 1**	WCDMA Ⅱ, Ⅳ, Ⅴ: 24 dBm GSM850: 33 dBm GSM1900: 30 dBm LTE Band 2, 4, 5, 7, 12, 13, 17, 25, 26, 66, 71: 23 dBm LTE Band 41: 26 dBm NR Band 2, 5, 25, 41, 66, 71: 23 dBm	
	SIM 2	GSM850: 32 dBm GSM1900: 30 dBm LTE Band 2, 4, 5, 7, 12, 13, 17, 25, 26, 66, 71: 23 dBm LTE Band 41: 26 dBm NR Band 2, 5, 25, 41, 66, 71: 23 dBm NR Band 77: 23 dBm	
Frequency Range	**SIM 1**	WCDMA Ⅱ: 1 850 ㎒ ~ 1 910 ㎒ WCDMA Ⅳ: 1 710 ㎒ ~ 1 755 ㎒ WCDMA Ⅴ: 824 ㎒ ~ 849 ㎒ GSM 850: 824 ㎒ ~ 849 ㎒ GSM 1 900: 1 850 ㎒ ~ 1 910 ㎒ LTE Band 2: 1 850 ㎒ ~ 1 910 ㎒ LTE Band 4: 1 710 ㎒ ~ 1 755 ㎒ LTE Band 5: 824 ㎒ ~ 849 ㎒ LTE Band 7: 2 500 ㎒ ~ 2 570 ㎒ LTE Band 12: 699 ㎒ ~ 716 ㎒ LTE Band 13: 777 ㎒ ~ 787 ㎒ LTE Band 17: 704 ㎒ ~ 716 ㎒	LTE Band 25: 1 850 ㎒ ~ 1 915 ㎒ LTE Band 26: 814 ㎒ ~ 824 ㎒ LTE Band 26: 824 ㎒ ~ 849 ㎒ LTE Band 41: 2 496 ㎒ ~ 2 690 ㎒ LTE Band 66: 1 710 ㎒ ~ 1 780 ㎒ LTE Band 71: 663 ㎒ ~ 698 ㎒ NR Band 2: 1 850 ㎒ ~ 1 910 ㎒ NR Band 5: 824 ㎒ ~ 849 ㎒ NR Band 25: 1 850 ㎒ ~ 1 915 ㎒ NR Band 41: 2 496 ㎒ ~ 2 690 ㎒ NR Band 66: 1 710 ㎒ ~ 1 780 ㎒ NR Band 71: 663 ㎒ ~ 698 ㎒
	SIM 2	GSM 850: 824 ㎒ ~ 849 ㎒ GSM 1 900: 1 850 ㎒ ~ 1 910 ㎒ LTE Band 2: 1 850 ㎒ ~ 1 910 ㎒ LTE Band 4: 1 710 ㎒ ~ 1 755 ㎒ LTE Band 5: 824 ㎒ ~ 849 ㎒ LTE Band 7: 2 500 ㎒ ~ 2 570 ㎒ LTE Band 12: 699 ㎒ ~ 716 ㎒ LTE Band 13: 777 ㎒ ~ 787 ㎒ LTE Band 17: 704 ㎒ ~ 716 ㎒ LTE Band 25: 1 850 ㎒ ~ 1 915 ㎒ LTE Band 26: 814 ㎒ ~ 824 ㎒ LTE Band 26: 824 ㎒ ~ 849 ㎒	LTE Band 41: 2 496 ㎒ ~ 2 690 ㎒ LTE Band 66: 1 710 ㎒ ~ 1 780 ㎒ LTE Band 71: 663 ㎒ ~ 698 ㎒ NR Band 2: 1 850 ㎒ ~ 1 910 ㎒ NR Band 5: 824 ㎒ ~ 849 ㎒ NR Band 25: 1 850 ㎒ ~ 1 915 ㎒ NR Band 41: 2 496 ㎒ ~ 2 690 ㎒ NR Band 66: 1 710 ㎒ ~ 1 780 ㎒ NR Band 71: 663 ㎒ ~ 698 ㎒ NR Band 77: 3 450 ㎒ ~ 3 550 ㎒ NR Band 77: 3 700 ㎒ ~ 3 980 ㎒
Modulation Technique		GMSK, 8PSK, BPSK, QPSK, 16QAM, 64QAM, 256QAM	
Antenna Type		External Antenna (Refer to the clause 1.5)	
Antenna Gain※		Refer to the clause 1.5	
H/W Version		Rev.E	
S/W Version		v013.142.025	

1.5. Antenna Information

SIM 1

Antenna Type	Antenna No.	Antenna Name	Antenna Part Number
Trunk	1	Antenna Box (basic)	8705921
	2	MSA TEL	920631001
	3	MSA TEL SDARS	920361002
Roof	4	DA WAVE HAF 5G-US	8705914-05
	5	DA WAVE High 5G-US	5A09D90-03

Operating Frequency (㎒)		Antenna Peak Gain (dBi)			
		Ant. No	Ant. Gain	Cable Loss	Final Gain
LTE Band 71 NR Band 71	663 ~ 698	Ant. 1	-3.00	0.22	-3.22
		Ant. 2	2.20	0.52	1.68
		Ant. 3	2.50	0.52	**1.98**
		Ant. 4	-3.80	-	-3.80
		Ant. 5	-3.40	-	-3.40
LTE Band 12/17	669 ~ 716	Ant. 1	3.00	0.22	**2.78**
		Ant. 2	2.60	0.52	2.08
		Ant. 3	2.50	0.52	1.98
		Ant. 4	-3.00	-	-3.00
		Ant. 5	-3.10	-	-3.10
LTE Band 13	777 ~ 787	Ant. 1	3.00	0.22	**2.78**
		Ant. 2	2.60	0.52	2.08
		Ant. 3	2.50	0.52	1.98
		Ant. 4	-3.00	-	-3.00
		Ant. 5	-3.10	-	-3.10
GSM 850 WCDMA Ⅴ LTE Band 26/5 NR Band 5	824 ~ 849	Ant. 1	3.00	0.22	**2.78**
		Ant. 2	2.10	0.52	1.58
		Ant. 3	2.30	0.52	1.78
		Ant. 4	-0.40	-	-0.40
		Ant. 5	-0.20	-	-0.20
LTE Band 26	814 ~ 824	Ant. 1	3.00	0.22	**2.78**
		Ant. 2	2.10	0.52	1.58
		Ant. 3	2.30	0.52	1.78
		Ant. 4	-0.30	-	-0.30
		Ant. 5	0.00	-	0.00
WCDMA Ⅳ LTE Band 66/4 NR Band 66	1 710 ~ 1 780	Ant. 1	5.00	0.30	4.70
		Ant. 2	5.40	0.73	4.67
		Ant. 3	5.80	0.73	**5.07**
		Ant. 4	2.70	-	2.70
		Ant. 5	3.00	-	3.00
GSM 1900 WCDMA Ⅱ LTE Band 25/2 NR Band 25/2	1 850 ~ 1 915	Ant. 1	5.00	0.34	4.66
		Ant. 2	6.20	0.82	**5.38**
		Ant. 3	5.90	0.82	5.08
		Ant. 4	2.80	-	2.80
		Ant. 5	2.30	-	2.30
LTE Band 7/41 NR Band 41	2 496 ~ 2 690	Ant. 1	5.00	0.40	4.60
		Ant. 2	6.60	0.96	**5.64**
		Ant. 3	6.50	0.96	5.54
		Ant. 4	3.30	-	3.30
		Ant. 5	3.00	-	3.00

- The Roof type antennas are directly connected to the EUT, so there is no cable loss.

SIM 2

Antenna Type	Antenna No.	Antenna Name	Antenna Part Number
Trunk	1	Antenna Box	8705921
	2	FSA WAVE 5G (left/right)	8705919/8705920
	3	HKL Mobilradioantenna (basic)	5A2D602
	4	ZB Spoilerantenna	5A0C5B0
	5	F66 Roof-top Antenna	920-747-013

Operating Frequency (㎒)		Antenna Peak Gain (㏈i)			
		Ant. No	Ant. Gain	Cable Loss	Final Gain
LTE Band 71 NR Band 71	663 ~ 698	Ant. 1	-3.00	0.57	-3.57
		Ant. 2	4.00	0.57	3.43
		Ant. 3	5.00	0.57	**4.43**
		Ant. 4	4.00	0.57	3.43
		Ant. 5	2.50	1.44	1.06
LTE Band 12/17	669 ~ 716	Ant. 1	3.00	0.57	2.43
		Ant. 2	4.00	0.57	3.43
		Ant. 3	5.00	0.57	**4.43**
		Ant. 4	3.00	0.57	2.43
		Ant. 5	2.50	1.44	1.06
LTE Band 13	777 ~ 787	Ant. 1	3.00	0.57	2.43
		Ant. 2	4.00	0.57	3.43
		Ant. 3	5.00	0.57	**4.43**
		Ant. 4	3.00	0.57	2.43
		Ant. 5	2.30	1.44	0.86
GSM 850 LTE Band 26/5 NR Band 5	814 ~ 849	Ant. 1	3.00	0.57	2.43
		Ant. 2	4.00	0.57	3.43
		Ant. 3	5.00	0.57	**4.43**
		Ant. 4	3.00	0.57	2.43
		Ant. 5	1.90	1.44	0.46
LTE Band 66/4 NR Band 66	1 710 ~ 1 780	Ant. 1	5.00	0.79	4.21
		Ant. 2	4.00	0.79	3.21
		Ant. 3	5.00	0.79	**4.21**
		Ant. 4	4.00	0.79	3.21
		Ant. 5	3.00	2.00	1.00
GSM 1 900 LTE Band 25/2 NR Band 25/2	1 850 ~ 1 915	Ant. 1	5.00	0.89	4.11
		Ant. 2	4.00	0.89	3.11
		Ant. 3	5.00	0.89	4.11
		Ant. 4	4.00	0.89	3.11
		Ant. 5	6.70	2.26	**4.44**
LTE Band 7/41 NR Band 41	2 496 ~ 2 690	Ant. 1	5.00	1.04	3.96
		Ant. 2	5.00	1.04	3.96
		Ant. 3	5.00	1.04	3.96
		Ant. 4	4.00	1.04	2.96
		Ant. 5	8.50	2.63	**5.87**
NR Band 77	3 450 ~ 3 550	Ant. 1	5.00	1.15	3.85
		Ant. 2	5.00	1.15	3.85
		Ant. 3	5.00	1.15	**3.85**
		Ant. 4	3.00	1.15	1.85
		Ant. 5	6.70	2.91	3.79
	3 700 ~ 3 980	Ant. 1	5.00	1.15	3.85
		Ant. 2	5.00	1.15	3.85
		Ant. 3	5.00	1.15	**3.85**
		Ant. 4	3.00	1.15	1.85
		Ant. 5	6.70	2.91	3.79

Note;

-According to manufacturer’s antenna specification, only the highest antenna gain of each antenna is reported.

1.6. Summary of Test Results

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC Part 1		
Section	**Test Item(s)**	**Result**
1.1307(b)(3)	RF Exposure Evaluation	Complied

1.7. Test Report Revision

Revision	Report Number	Date of Issue	Description
0	F690501-RF-RTL005252	2024.07.11	Initial

2. RF Exposure Evaluation

Test exemptions apply for devices used in general population/uncontrolled exposure environments, according to the SAR-based, or MPE-based exemption thresholds.

2.1. Blanket 1 ㎽ Blanket Exemption

The 1 ㎽ Blanket Exemption of § 1.1307(b)(3)(i)(A) applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power of no more than 1 ㎽, regardless of separation distance.
The 1 ㎽ blanket exemption applies at separation distances less than 0.5 ㎝, including where there is no separation. This exemption shall not be used in conjunction with other exemption criteria other than those for multiple RF sources in paragraph § 1.1307(b)(3)(ii)(A).
The 1 ㎽ exemption is independent of service type and covers the full range of 100 ㎑ to 100 ㎓, but it shall not be used in conjunction with other exemption criteria or in devices with higher-power transmitters operating in the same time-averaging period. Exposure from such higher-power transmitters would invalidate the underlying assumption that exposure from the lower-power transmitter is the only contributor to SAR in the relevant volume of tissue.

2.2. MPE-based Exemption

General frequency and separation-distance dependent MPE-based effective radiated power (ERP) thresholds are in Table B.1 [Table 1 of § 1.1307(b)(1)(i)(C)] to support an exemption from further evaluation from 300 ㎑ through 100 ㎓.

Table 1: THRESHOLDS FOR SINGLE RF SOURCES SUBJECT TO ROUTINE ENVIRONMENTAL EVALUATION

RF Source Frequency			Minimum Distance			Threshold ERP
f_L (㎒)		f_H (㎒)	$\lambda_L / 2\pi$		$\lambda_H / 2\pi$	W
0.3	-	1.34	159 m	-	35.6 m	1 920 R2
1.34	-	30	35.6 m	-	1.6 m	3 450 R^2/f^2
30	-	300	1.6 m	-	159 mm	3.83 R^2
300	-	1 500	159 mm	-	31.8 mm	0.012 8 R^2f
1 500	-	100 000	31.8 mm	-	0.5 mm	19.2 R^2
Subscripts L and H are low and high; λ is wavelength. From § 1.1307(b)(3)(i)(C), modified by adding Minimum Distance columns.						

The table applies to any RF source (i.e., single fixed, mobile, and portable transmitters) and specifies power and distance criteria for each of the five frequency ranges used for the MPE limits. These criteria apply at separation distances from any part of the radiating structure of at least λ/2π. The thresholds are based on the general population MPE limits with a single perfect reflection, outside of the reactive near-field, and in the main beam of the radiator.
For mobile devices that are not exempt per Table B.1 [Table 1 of § 1.1307(b)(1)(i)(C)] at distances from 20 ㎝ to 40 ㎝ and in 0.3 ㎓ to 6 ㎓, evaluation of compliance with the exposure limits in § 1.1310 is necessary if the ERP of the device is greater than ERP 20 ㎝ in Formula (B.1) [repeated from § 2.1091(c)(1) and § 1.1307(b)(1)(i)(B)].

$$P_{\text{th}}\,(\text{mW}) = ERP_{20\,\text{cm}}\,(\text{mW}) = \begin{cases} 2040f & 0.3\ \text{GHz} \le f < 1.5\ \text{GHz} \\ 3060 & 1.5\ \text{GHz} \le f \le 6\ \text{GHz} \end{cases} \qquad \text{(B. 1)}$$

If the ERP is not easily obtained, then the available maximum time-averaged power may be used (i.e., without consideration of ERP only if the physical dimensions of the radiating structure(s) do not exceed the electrical length of λ/4 or if the antenna gain is less than that of a half-wave dipole.
SAR-based exemptions are constant at separation distances between 20 ㎝ and 40 ㎝ to avoid discontinuities in the threshold when transitioning between SAR-based and MPE-based exemption criteria at 40 ㎝, considering the importance of reflections.

2.3. SAR-based Exemption

SAR-based thresholds are derived based on frequency, power, and separation distance of the RF source. The formula defines the thresholds in general for either available maximum time-averaged power or maximum time-averaged ERP, whichever is greater.
If the ERP of a device is not easily determined, such as for a portable device with a small form factor, the applicant may use the available maximum time-averaged power exclusively if the device antenna or radiating structure does not exceed an electrical length of λ/4.
As for devices with antennas of length greater than λ/4 where the gain is not well defined, but always less than that of a half-wave dipole (length λ/2), the available maximum time-averaged power generated by the device may be used in place of the maximum time-averaged ERP, where that value is not known.
The separation distance is the smallest distance from any part of the antenna or radiating structure for all persons, during operation at the applicable ERP. In the case of mobile or portable devices, the separation distance is from the outer housing of the device where it is closest to the antenna.
The SAR-based exemption formula of § 1.1307(b)(3)(i)(B), repeated here as Formula (B.2), applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power or effective radiated power (ERP), whichever is greater, of less than or equal to the threshold P_{th} (㎽).
This method shall only be used at separation distances from 0.5 ㎝ to 40 ㎝ and at frequencies from 0.3 ㎓ to 6 ㎓ (inclusive). P_{th} is given by Formula (B.2).

$$P_{\text{th}}\,(\text{mW}) = \begin{cases} ERP_{20\text{ cm}}(d/20\text{ cm})^{x} & d \le 20\text{ cm} \\ ERP_{20\text{ cm}} & 20\text{ cm} < d \le 40\text{ cm} \end{cases} \qquad \text{(B.2)}$$

where

$$x = -\log_{10}\left(\frac{60}{ERP_{20\text{ cm}}\sqrt{f}}\right)$$

and f is in ㎓, d is the separation distance (㎝), and ERP 20 ㎝ is per Formula (B.1).

2.4. Simultaneous Transmission SAR Test Exemption with Respect to Multiple Exemption Criteria

Either SAR-based or MPE-based exemption may be considered for test exemption for fixed, mobile, or portable device exposure conditions; therefore, the contributions from each exemption in conjunction with the measured SAR ($Evaluated_k$ term) shall be used to determine exemption for simultaneous transmission according to Formula (C.1) [repeated from § 1.1307(b)(3)(ii)(B)].

$$\sum_{i=1}^{a}\frac{P_i}{P_{th,i}} + \sum_{j=1}^{b}\frac{ERP_j}{ERP_{th,j}} + \sum_{k=1}^{c}\frac{Evaluated_k}{Exposure\ Limit_k} \le 1$$

3. Test Result

3.1. SAR-based Exemption

SIM 1

Mode	Frequency Range (㎒)	Maximum Average Target Power (dB m)	Maximum Tune up (dB)	Worst Antenna Gain (dB i)	Minimum Separation Distance (cm)	Duty Cycle (%)	Maximum Average Output Power (dB m)	ERP		Limits P_{th} (㎽)	Ratio[1)]	Result
								(dB m)	(㎽)			
GSM 850	824 ~ 849	33	1	2.78	20	25	27.98	28.61	726.11	1 680.96	0.43	pass
		30				50	27.99	28.62	727.78	1 680.96	0.43	pass
GSM 1 900	1 850 ~ 1 910	30	1	5.38	20	25	24.98	28.21	662.22	3 060	0.22	pass
		27				50	24.99	28.22	663.74	3 060	0.22	pass

Mode	Frequency Range (㎒)	Maximum Average Target Power (dB m)	Maximum Tune up (dB)	Worst Antenna Gain (dB i)	Minimum Separation Distance (cm)	Maximum Average Output Power (dB m)	ERP		Limits P_{th} (㎽)	Ratio[1)]	Result
							(dB m)	(㎽)			
WCMDA Ⅱ	1 850 ~ 1 910	24	1.7	5.38	20	25.70	28.93	781.63	3 060	0.26	pass
WCDMA Ⅳ	1 710 ~ 1 755	24	1.7	5.07	20	25.70	28.62	727.78	3 060	0.24	pass
WCDMA Ⅴ	824 ~ 849	24	1.7	2.78	20	25.70	26.33	429.54	1 680.96	0.26	pass
LTE Band 7	2 500 ~ 2 570	23	2.7	5.64	20	25.70	29.19	829.85	3 060	0.27	pass
LTE Band 12/17	699 ~ 716	23	2.7	2.78	20	25.70	26.33	429.54	1 425.96	0.30	pass
LTE Band 13	777 ~ 787	23	2.7	2.78	20	25.70	26.33	429.54	1 585.08	0.27	pass
LTE Band 25/2	1 850 ~ 1 915	23	2.7	5.38	20	25.70	28.93	781.63	3 060	0.26	pass
LTE Band 26	814 ~ 824	23	2.7	2.78	20	25.70	26.33	429.54	1 660.56	0.26	pass
LTE Band 26/5	824 ~ 849	23	2.7	2.78	20	25.70	26.33	429.54	1 680.96	0.26	pass
LTE Band 41	2 496 ~ 2 690	26	2.0	5.64	20	28.00	31.49	1409.29	3 060	0.46	pass
LTE Band 66/4	1 710 ~ 1 780	23	2.7	5.07	20	25.70	28.62	727.78	3 060	0.24	pass
LTE Band 71	663 ~ 698	23	2.7	1.98	20	25.70	25.53	357.27	1 352.52	0.27	pass
NR Band 5	824 ~ 849	23	2.7	2.78	20	25.70	26.33	429.54	1 680.96	0.26	pass
NR Band 25/2	1 850 ~ 1 915	23	2.7	5.38	20	25.70	28.93	781.63	3 060	0.26	pass
NR Band 41	2 496 ~ 2 690	23	2.7	5.64	20	25.70	29.19	829.85	3 060	0.27	pass
NR Band 66	1 710 ~ 1 780	23	2.7	5.07	20	25.70	28.62	727.78	3 060	0.24	pass
NR Band 71	663 ~ 698	23	2.7	1.98	20	25.70	25.53	357.27	1 352.52	0.27	pass

SIM 2

Mode	Frequency Range (㎒)	Maximum Average Target Power (㏈ m)	Maximum Tune up (㏈)	Worst Antenna Gain (㏈ i)	Minimum Separation Distance (cm)	Duty Cycle (%)	Maximum Average Output Power (㏈ m)	ERP		Limits P_{th} (㎽)	Ratio[1)]	Result
								(㏈ m)	(㎽)			
GSM 850	824 ~ 849	32	0.5	4.43	20	25	26.48	28.76	751.62	1 680.96	0.45	pass
		29				50	26.49	28.77	753.36		0.45	pass
GSM 1 900	1 850 ~ 1 910	30	1	4.44	20	25	24.98	27.27	533.33	3 060	0.17	pass
		27				50	24.99	27.28	534.56		0.17	pass

Mode	Frequency Range (㎒)	Maximum Average Target Power (㏈ m)	Maximum Tune up (㏈)	Worst Antenna Gain (㏈ i)	Minimum Separation Distance (cm)	Maximum Average Output Power (㏈ m)	ERP		Limits P_{th} (㎽)	Ratio[1)]	Result
							(㏈ m)	(㎽)			
LTE Band 7	2 500 ~ 2 570	23	2.7	5.87	20	25.70	29.42	874.98	3 060	0.29	pass
LTE Band 12/17	699 ~ 716	23	2.7	4.43	20	25.70	27.98	628.06	1 425.96	0.44	pass
LTE Band 13	777 ~ 787	23	2.7	4.43	20	25.70	27.98	628.06	1 585.08	0.40	pass
LTE Band 25/2	1 850 ~ 1 915	23	2.7	4.44	20	25.70	27.99	629.51	3 060	0.21	pass
LTE Band 26	814 ~ 824	23	2.7	4.43	20	25.70	27.98	628.06	1 660.56	0.38	pass
LTE Band 26/5	824 ~ 849	23	2.7	4.43	20	25.70	27.98	628.06	1 680.96	0.37	pass
LTE Band 41	2 496 ~ 2 690	26	2.0	5.87	20	28.00	31.72	1485.94	3 060	0.49	pass
LTE Band 66/4	1 710 ~ 1 780	23	2.7	4.21	20	25.70	27.76	597.04	3 060	0.20	pass
LTE Band 71	663 ~ 698	23	2.7	4.43	20	25.70	27.98	628.06	1 352.52	0.46	pass
NR Band 5	824 ~ 849	23	2.7	4.43	20	25.70	27.98	628.06	1 680.96	0.37	pass
NR Band 25/2	1 850 ~ 1 915	23	2.7	4.44	20	25.70	27.99	629.51	3 060	0.21	pass
NR Band 41	2 496 ~ 2 690	23	2.7	5.87	20	25.70	29.42	874.98	3 060	0.29	pass
NR Band 66	1 710 ~ 1 780	23	2.7	4.21	20	25.70	27.76	597.04	3 060	0.20	pass
NR Band 71	663 ~ 698	23	2.7	4.43	20	25.70	27.98	628.06	1 352.52	0.46	pass
NR Band 77	3 450 ~ 3 550	23	2.7	3.85	20	25.70	27.40	549.54	3 060	0.18	pass
	3 700 ~ 3 980	23	2.7	3.85	20	25.70	27.40	549.54	3 060	0.18	pass

Note;

- Maximum average target power is the manufacturer's declared rated power.
- Maximum average output power (㏈ m) = Maximum average target power (㏈ m) + Maximum tune up (㏈).
- ERP (㏈ m) = Maximum average output power (㏈ m) + Antenna gain (㏈ i) - 2.15 (㏈)

1) A greater value between the ERP(㏈ m) and the Maximum average output power(㏈ m) is applied.

3.2. Simultaneous Transmission SAR Test Exemption with Respect to Multiple Exemption Criteria

Mode	Port	Band	P_i/P_{th} Ratio Mode A	P_i/P_{th} Ratio Mode B	Σ P_i/P_{th} Ratio Mode A+B	Result
EN-DC	SIM 1	NR 2 LTE 5, 12, 13, 71	0.26	0.30	0.56	Pass
		NR 5 LTE 2, 66	0.26	0.26	0.52	Pass
		NR 25 LTE 12	0.26	0.30	0.56	Pass
		NR 41 LTE 5, 26	0.27	0.26	0.53	Pass
		NR 66 LTE 5, 12, 13, 71	0.24	0.30	0.54	Pass
		NR 71 LTE 2, 66	0.26	0.26	0.52	Pass
WWAN	SIM 1 + SIM 2	LTE 41 + LTE 41	0.46	0.49	0.95	Pass

3.3. Conclusion: No SAR is required.

- End of the Test Report -