



TEST REPORT

Eurofins KCTL Co.,Ltd. 65, Sinwon-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Korea TEL: 82-70-5008-1021 FAX: 82-505-299-8311 www.kctl.co.kr	Report No.: KR25-SRF0006-A Page (1) of (12)	KCTL
---	--	---

1. Applicant

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

2. Use of Report : Certification

3. Type of Equipment / Model : Wi-Fi/BT Transceiver / WCF930M

4. Manufacturer / Country of Origin : Samsung Electronics Co., Ltd. / Korea, Vietnam, China

5. FCC ID : A3LWCF930M

6. IC Certificate No. : 649E-WCF930M

7. Date of Test : 2024-11-22 to 2025-01-14

Date of Issuing : 2025-02-12

8. Test Standard(method) used : 47 CRF Part 1.1310
RSS-102 Issue 6 December 2023

9. Test Result : Refer to the test result in the test report

Affirmation	Tested by Name : Sunghyun Yoon (Signature)	Technical Manager Name : Harim Lee (Signature)
-------------	---	---

2025-02-12

Eurofins KCTL Co.,Ltd.

As a test result of the sample which was submitted from the client, this report does not guarantee the whole product quality. This test report should not be used and copied without a written agreement by Eurofins KCTL Co.,Ltd.

REPORT REVISION HISTORY

Date	Revision	Page No
2025-01-16	Originally issued	-
2025-02-12	Updated	8, 11

This report shall not be reproduced except in full, without the written approval of Eurofins KCTL Co.,Ltd. This document may be altered or revised by Eurofins KCTL Co.,Ltd. personnel only, and shall be noted in the revision section of the document. Any alteration of this document not carried out by Eurofins KCTL Co.,Ltd. will constitute fraud and shall nullify the document. This test report is a general report that does not use the KOLAS accreditation mark and is not related to KS Q ISO/IEC 17025 and KOLAS accreditation.

Note. The report No. KR25-SRF0006 is superseded by the report No. KR25-SRF0006-A.

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.	General information	4
2.	Device information	4
2.1.	Frequency/channel operations.....	5
3.	RF Exposure	8
3.1.	Test results.....	10



1. General 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 : CHEMTRONICS CO., LTD.
 Address 1 : 35, Buk-ri, Namsa-myeon, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea
 Factory 2 : CHEMTROVINA COMPANY LIMITED
 Address 2 : Nhon Trach 2-Loc Khang IZ, Hiep Phuoc Town, Nhon Trach District,, Dong Nai Province, Vietnam
 Factory 3 : SJIT CO., LTD.
 Address 3 : #54-11, Dongtanhana 1gil, Hwaseong-si, Gyeonggi-do, Korea
 Factory 4 : SJIT VINA Co., Ltd
 Address 4 : Lot X2, Ho Nai Industrial Zone, Ho Nai 3 Commune, Trang Bom District, Dong Nai Province, Vietnam
 Factory 5 : Chengdu Xuguang Technology Co., Ltd.
 Address 5 : No.86 2nd Section, Park Road, Longquanyi District, Chengdu City, Sichuan Province, P.R.China
 Factory 6 : XUGUANG TECHNOLOGY (VIETNAM) COMPANY LIMITED
 Address 6 : Factory No.4, Lot CN1, An Duong Industrial Park, Hong Phong Commune, An Duong District, Hai Phong City, Vietnam
 Laboratory : Eurofins KCTL Co.,Ltd.
 Address : 65, Sinwon-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Korea
 Accreditations : FCC Site Designation No: KR0040, FCC Site Registration No: 687132
 VCCI Registration No. : R-20080, G-20078, C-20059, T-20056
 CAB Identifier: KR0040, ISED Number: 8035A
 KOLAS No.: KT231

2. Device information

Equipment under test	: Wi-Fi/BT Transceiver			
Model	: WCF930M			
Modulation technique	: Bluetooth Low Energy	:	GFSK	
	: WLAN	:	OFDM, OFDMA	
	: (802.11a/n/ac/ax/be)			
	: Pulsed-CW			
Number of channels	: Bluetooth Low Energy 1M	:	40 ch	
	: Bluetooth Low Energy 2M	:	37 ch	
	: UNII-1	:	4 ch (20 MHz), 2 ch (40 MHz), 1 ch (80 MHz)	
	: UNII-3	:	5 ch (20 MHz), 2 ch (40 MHz), 1 ch (80 MHz)	
	: UNII-5	:	24 ch (20 MHz), 12 ch (40 MHz), 6 ch (80 MHz), 3 ch (160 MHz)	
	: UNII-6	:	5 ch (20 MHz), 3 ch (40 MHz), 1 ch (80 MHz), 1 ch (160 MHz)	
	: UNII-7	:	18 ch (20 MHz), 8 ch (40 MHz), 5 ch (80 MHz), 2 ch (160 MHz)	
	: UNII-8	:	12 ch (20 MHz), 6 ch (40 MHz), 2 ch (80 MHz), 1 ch (160 MHz)	
	: Pulsed-CW	:	1 ch	
Power source	: DC 5.0 V			
Power source (Radar)	: DC 3.3 V			
Antenna specification	: Bluetooth Low Energy	:	Chip Antenna	
	: WLAN	:	Antenna 1: Metal Antenna	
		:	Antenna 2: Metal Antenna	
	: Pulsed-CW	:	Patch type antenna in package	
Antenna gain	: Bluetooth Low Energy	:	-0.44 dBi	
	: Pulsed-CW	:	6.00 dBi	
			Antenna 1	Antenna 2
	: UNII-1	:	0.82 dBi	UNII-1 : -0.52 dBi
	: UNII-3	:	0.72 dBi	UNII-3 : -1.71 dBi
	: UNII 5	:	0.04 dBi	UNII 5 : -0.80 dBi
	: UNII 6	:	0.64 dBi	UNII 6 : -1.96 dBi
	: UNII 7	:	0.64 dBi	UNII 7 : -0.20 dBi
	: UNII 8	:	-0.92 dBi	UNII 8 : -0.48 dBi

Frequency range	:	Bluetooth Low Energy 1M	:	2 402 MHz ~ 2 480 MHz	
	:	Bluetooth Low Energy 2M	:	2 404 MHz ~ 2 478 MHz	
	:	UNII-1	:	5 180 MHz ~ 5 240 MHz	(802.11a/n/ac/ax/be_
					HT20/VHT20/HE20/EHT20)
			:	5 190 MHz ~ 5 230 MHz	(802.11n/ac/ax/be_
					HT40/VHT40/HE40/EHT40)
			:	5 210 MHz	(802.11ac/ax/be_VHT80/HE80/EHT80)
	:	UNII-3	:	5 745 MHz ~ 5 825 MHz	(802.11a/n/ac/ax/be_
					HT20/VHT20/HE20/EHT20)
			:	5 755 MHz ~ 5 795 MHz	(802.11n/ac/ax/be_
					HT40/VHT40/HE40/EHT40)
			:	5 775 MHz	(802.11ac/ax/be_VHT80/HE80/EHT80)
	:	UNII-5	:	5 975 MHz ~ 6 375 MHz	(802.11a)
			:	5 955 MHz ~ 6 415 MHz	(802.11ax/be_HE20/EHT20)
			:	5 965 MHz ~ 6 405 MHz	(802.11ax/be_HE40/EHT40)
			:	5 985 MHz ~ 6 385 MHz	(802.11ax/be_HE80/EHT80)
			:	6 025 MHz ~ 6 345 MHz	(802.11ax/be_HE160/EHT160)
	:	UNII-6	:	6 455 MHz ~ 6 515 MHz	(802.11a)
			:	6 435 MHz ~ 6 515 MHz	(802.11ax/be_HE20/EHT20)
			:	6 445 MHz ~ 6 525 MHz	(802.11ax/be_HE40/EHT40)
			:	6 465 MHz	(802.11ax/be_HE80/EHT80)
			:	6 505 MHz	(802.11ax/be_HE160/EHT160)
	:	UNII-7	:	6 535 MHz ~ 6 875 MHz	(802.11a/ax/be_HE20/EHT20)
			:	6 565 MHz ~ 6 845 MHz	(802.11ax/be_HE40/EHT40)
			:	6 545 MHz ~ 6 865 MHz	(802.11ax/be_HE80/EHT80)
			:	6 665 MHz ~ 6 825 MHz	(802.11ax/be_HE160/EHT160)
	:	UNII-8	:	6 935 MHz ~ 7 095 MHz	(802.11a)
			:	6 895 MHz ~ 7 115 MHz	(802.11ax/be_HE20/EHT20)
			:	6 885 MHz ~ 7 085 MHz	(802.11ax/be_HE40/EHT40)
			:	6 945 MHz ~ 7 025 MHz	(802.11ax/be_HE80/EHT80)
			:	6 985 MHz	(802.11ax/be_HE160/EHT160)
			:	61 000 MHz ~ 61 500 MHz	
		Pulsed-CW	:		
Software version	:	FC 1.*			
Hardware version	:	WCF930M			
Test device serial No.	:	Conducted	:	2015DE586639	
	:	Radiated	:	2015DE5865F7	
Operation temperature	:	-10 °C ~ 50 °C			

2.1. Frequency/channel operations

This device contains the following capabilities:

Bluetooth Low Energy

WLAN 5 GHz_802.11a/n(HT20/40)/ac(VHT20/40/80)/ax(HE20/40/80)/be(EHT20/40/80),

WLAN 6 GHz_802.11a/ax(HE20/40/80/160)/be(EHT20/40/80/160), Pulsed-CW

Ch.	Frequency (MHz)
00	2 402
.	.
19	2 440
.	.
39	2 480

Table 2.1-1. Bluetooth Low Energy_1 Mbps

Ch.	Frequency (MHz)	Ch.	Frequency (MHz)
01	2 404	20	2 444
02	2 406	21	2 446
03	2 408	22	2 448
04	2 410	23	2 450
05	2 412	24	2 452
06	2 414	25	2 454
07	2 416	26	2 456
08	2 418	27	2 458
09	2 420	28	2 460
10	2 422	29	2 462
11	2 424	30	2 464
12	2 428	31	2 466
13	2 430	32	2 468
14	2 432	33	2 470
15	2 434	34	2 472
16	2 436	35	2 474
17	2 438	36	2 476
18	2 440	37	2 478
19	2 442		

Table 2.1-2. Bluetooth Low Energy_2 Mbps

UNII-1

Ch.	Frequency (MHz)
36	5 180
40	5 200
48	5 240

UNII-3

Ch.	Frequency (MHz)
149	5 745
157	5 785
165	5 825

Table 2.1-3. 802.11a/n/ac/ax/be HT20/VHT20/HE20/EHT20 mode

UNII-1

Ch.	Frequency (MHz)
38	5 190
46	5 230

UNII-3

Ch.	Frequency (MHz)
151	5 755
159	5 795

Table 2.1-4. 802.11n/ac/ax/be HT40/VHT40/HE40/EHT40 mode

UNII-1

Ch.	Frequency (MHz)
42	5 210

UNII-3

Ch.	Frequency (MHz)
155	5 775

Table 2.1-5. 802.11ac/ax/be VHT80/HE80/EHT80 mode

UNII-5

Ch.	Frequency (MHz)
5	5 975
37	6 135
85	6 375

UNII-6

Ch.	Frequency (MHz)
101	6 455
105	6 475
113	6 515

UNII-7

Ch.	Frequency (MHz)
117	6 535
149	6 695
181	6 855

UNII-8

Ch.	Frequency (MHz)
197	6 935
213	7 015
229	7 095

Table 2.1-6. 802.11a mode

UNII 5

Ch.	Frequency (MHz)
1	5 955
45	6 175
93	6 415

UNII 6

Ch.	Frequency (MHz)
97	6 435
105	6 475
113	6 515

UNII 7

Ch.	Frequency (MHz)
117	6 535
149	6 695
185	6 875

UNII 8

Ch.	Frequency (MHz)
189	6 895
209	6 995
233	7 115

Table 2.1-7. 802.11ax/be_HE20/EHT20 mode

UNII 5

Ch.	Frequency (MHz)
3	5 965
43	6 165
91	6 405

UNII 6

Ch.	Frequency (MHz)
99	6 445
107	6 485
115	6 525

UNII 7

Ch.	Frequency (MHz)
123	6 565
147	6 685
179	6 845

UNII 8

Ch.	Frequency (MHz)
187	6 885
203	6 965
227	7 085

Table 2.1-8. 802.11ax/be_HE40/EHT40 mode

UNII 5

Ch.	Frequency (MHz)
7	5 985
39	6 145
87	6 385

UNII 6

Ch.	Frequency (MHz)
103	6 465

UNII 7

Ch.	Frequency (MHz)
119	6 545
151	6 705
183	6 865

UNII 8

Ch.	Frequency (MHz)
199	6 945
215	7 025

Table 2.1-9. 802.11ax/be_HE80/EHT80 mode

UNII 5

Ch.	Frequency (MHz)
15	6 025
47	6 185
79	6 345

UNII 6

Ch.	Frequency (MHz)
111	6 505

UNII 7

Ch.	Frequency (MHz)
143	6 665
175	6 825

UNII 8

Ch.	Frequency (MHz)
207	6 985

Table 2.1-10. 802.11ax/be_HE160/EHT160 mode

Ch.	Frequency (GHz)
01	61.0 ~ 61.5

Table 2.1-10. Pulsed-CW

3. RF Exposure

Regulation

KDB 447498 D01 v06

FCC

This document is prepared to show compliance with the RF Exposure requirements as required in §1.1310 of the FCC rules and Regulations.

The limit for Maximum Permissible Exposure (MPE), specified in FCC §1.1310, is listed in Table 1-1. According to FCC §1.1310: the criteria listed in the following table shall be used to evaluate the environmental impact of human exposure to radio-frequency (RF) radiation as specified in §1.1307(b).

Table 1 – Limits for Maximum Permissible Exposure (MPE)

Frequency Range (MHz)	Electric Field Strength [V/m]	Magnetic Field Strength [A/m]	Power Density [mW/cm ²]	Averaging Time [minute]
(A) Limits for Occupational / Controlled Exposure				
0.3 ~ 3.0	614	1.63	*100	6
3.0 ~ 30	1842/f	4.89/f	*900/f ²	6
30 ~ 300	61.4	0.163	1.0	6
300 ~ 1 500	/	/	f/300	6
1 500 ~ 15 000	/	/	5	6
(B) Limits for General Population / Uncontrolled Exposure				
0.3 ~ 1.34	614	1.63	*100	30
1.34 ~ 30	824/f	2.19/f	*180/f ²	30
30 ~ 300	27.5	0.073	0.2	30
300 ~ 1 500	/	/	f/1 500	30
1 500 ~ 15 000	/	/	1.0	30

f=frequency in MHz, *= plane-wave equivalent power density

IC

RF Field strength and power density limits for devices used by the general public (uncontrolled environment)

Frequency Range (MHz)	Electric Field (V _{RMS} /m rms)	Magnetic Field (A _{RMS} /m)	Power Density (W/m ²)	Reference Period (minutes)
10-20	27.46	0.072 8	2	6
20-48	58.07 / $f^{0.25}$	0.154 0 / $f^{0.25}$	8.944 / $f^{0.5}$	6
48-300	22.06	0.058 52	1.291	6
300-6 000	3.142 $f^{0.341\ 7}$	0.008 335 $f^{0.341\ 7}$	0.026 19 $f^{0.683\ 4}$	<u>6</u>
6 000-15 000	61.4	0.163	10	6
15 000-150 000	61.4	0.163	10	616 000/ $f^{1.2}$
150 000-300 000	0.158 $f^{0.5}$	$4.21 \times 10^{-4} f^{0.5}$	$6.67 \times 10^{-5} f$	616 000/ $f^{1.2}$

Note: f is frequency in MHz.

RF field strength and power density limits for controlled-use devices (controlled environment)

Frequency Range (MHz)	Electric Field (V _{RMS} /m rms)	Magnetic Field (A _{RMS} /m)	Power Density (W/m ²)	Reference Period (minutes)
10-20	61.4	0.163	10	6
20-48	129.8 / $f^{0.25}$	0.344 4 / $f^{0.25}$	44.72 / $f^{0.5}$	6
48-100	49.33	0.130 9	6.455	6
100-6 000	15.60 $f^{0.25}$	0.041 38 $f^{0.25}$	0.645 5 $f^{0.5}$	<u>6</u>
6 000-15 000	137	0.364	50	6
15 000-150 000	137	0.364	50	616 000/ $f^{1.2}$
150 000-300 000	0.354 $f^{0.5}$	$9.40 \times 10^{-4} f^{0.5}$	$3.33 \times 10^{-4} f$	616 000/ $f^{1.2}$

Note: f is frequency in MHz.

For both table 7 and table 8, refer to Health Canada's Safety Code 6 for relevant notes and additional information.

Field reference level exposure exemption limits

Field reference level (FRL) exposure evaluation is required if the separation distance between the user and/or bystander and the device's radiating element is greater than 20 cm (i.e. mobile devices), except when the device operates as follows:

- below 20 MHz and the source-based, time-averaged maximum EIRP of the device is equal to or less than 1 W (adjusted for tune-up tolerance)
- at or above 20 MHz and below 48 MHz and the source-based, time-averaged maximum EIRP of the device is equal to or less than $4.49/f^{0.5}$ W (adjusted for tune-up tolerance), where f is in MHz
- at or above 48 MHz and below 300 MHz and the source-based, time-averaged maximum EIRP of the device is equal to or less than 0.6 W (adjusted for tune-up tolerance)
- at or above 300 MHz and below 6 GHz and the source-based, time-averaged maximum EIRP of the device is equal to or less than $1.31 \times 10^{-2} f^{0.6834}$ W (adjusted for tune-up tolerance), where f is in MHz
- at or above 6 GHz and the source-based, time-averaged maximum EIRP of the device is equal to or less than 5 W (adjusted for tune-up tolerance)

In these cases, the information contained in the RF exposure technical brief may be limited to information that demonstrates how the EIRP was derived.

3.1. Test results

FCC

MPE (Maximum Permissible Exposure) Prediction

Predication of MPE limit at a given distance: Equation from page 18 of OET Bulletin 65, Edition 97-01

$$S = PG/4\pi R^2 \quad (\Rightarrow R = \sqrt{PG/4\pi S})$$

S = power density [mW/cm²]

P = Power input to antenna [mW]

G = Power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna [cm]

IC

RF Exposure evaluation

At or above 300 MHz and below 6 GHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than $1.31 \times 10^{-2} f^{0.6834}$ W (adjusted for tune-up tolerance), where f is in MHz;

At or above 6 GHz and the source-based, time-averaged maximum e.i.r.p. of the device is equal to or less than 5 W (adjusted for tune-up tolerance.)

Calculation Result of RF exposure (FCC)

Maximum tune-up tolerance (Worst Case)

Mode	Frequency [MHz]	Max Tune-up Power [dBm]	Max Tune-up Power [mW]	Ant Gain [dBi]	Power density at 20 cm [mW/cm ²]	Limit [mW/cm ²]
Bluetooth Low Energy	2 402	9.50	8.91	-0.44	0.001 60	1.00
5G_U-NII-1_SISO 802.11a	5 180	19.00	79.43	0.82	0.019 09	1.00
5G_U-NII-3_SISO 802.11a	5 745	19.00	79.43	0.72	0.018 65	1.00
5G_U-NII-1_MIMO 802.11ac_VHT40	5 190	19.00	79.43	3.19	0.032 94	1.00
5G_U-NII-3_MIMO 802.11n_HT20	5 755	22.00	158.49	2.60	0.057 38	1.00
6G_U-NII-5_SISO 802.11be_EHT160	6 025	18.00	63.10	-0.80	0.010 44	1.00
6G_U-NII-6_SISO 802.11be_EHT160	6 505	18.00	63.10	-1.96	0.007 99	1.00
6G_U-NII-7_SISO 802.11be_EHT160	6 665	18.00	63.10	-0.20	0.011 99	1.00
6G_U-NII-8_SISO 802.11be_EHT160	6 985	18.00	63.10	-0.48	0.011 24	1.00
6G_U-NII-5_MIMO 802.11be_EHT160	6 025	21.00	125.89	2.64	0.046 00	1.00
6G_U-NII-6_MIMO 802.11be_EHT160	6 505	21.00	125.89	2.45	0.044 03	1.00
6G_U-NII-7_MIMO 802.11be_EHT160	6 665	21.00	125.89	3.24	0.052 81	1.00
6G_U-NII-8_MIMO 802.11be_EHT160	6 985	21.00	125.89	2.31	0.042 63	1.00
Radar CW	61 000 ~ 61 500	-3.00	0.50	6.00	0.000 40	1.00

Simultaneous Transmission (Worst configuration)

Mode	Frequency [MHz]	Max Tune-up Power [dBm]	Ant Gain [dBi]	Sum of the MPE ratios	Limit
Bluetooth Low Energy + WLAN 5 GHz (SISO 11a) + WLAN 6 GHz (SISO 11be_EHT160) + Radar CW				0.033 08	1.0

Note.

- Simultaneous Transmission scenario : Bluetooth Low Energy + 5G WLAN SISO + 6G WLAN SISO
- The power density Pd (5th column) at a distance of 20 cm calculated from the friis transmission
Formula is far below the limit of 1 mW/cm².
- Simultaneous transmission of RF Exposure test exclusion for worst case configuration.
 - Bluetooth Low Energy : the ratio is 0.001 60 / 1
 - 5G WLAN: the ratio is 0.019 09 / 1
 - 6G WLAN : the ratio is 0.011 99 / 1
 - Radar CW : the ratio is 0.001 58 / 1
 - Bluetooth Low Energy + 5G WLAN + 6G WLAN + Radar CW Ratios:
((0.001 60 / 1) + (0.019 09 / 1) + (0.011 99 / 1) + (0.000 40 / 1))

Calculation Results of RF exposure (IC)

Maximum tune-up tolerance (Worst Case)

Mode	Frequency [MHz]	Max Tune-up Power [dBm]	Ant Gain [dBi]	E.I.R.P.		Limit [mW]
				[dBm]	[mW]	
Bluetooth Low Energy	2 402	9.50	-0.44	9.06	8.05	2 676.42
5G_U-NII-1_SISO 802.11a	5 180	19.00	0.82	19.82	95.94	4 525.27
5G_U-NII-3_SISO 802.11a	5 745	19.00	0.72	19.72	93.76	4 857.02
5G_U-NII-1_MIMO 802.11ac_VHT40	5 190	19.00	3.19	22.19	165.58	4 531.24
5G_U-NII-3_MIMO 802.11n_HT20	5 755	22.00	2.60	24.60	288.40	4 862.80
6G_U-NII-5_SISO 802.11be_EHT160	6 025	18.00	-0.80	17.20	52.48	5 000.00
6G_U-NII-6_SISO 802.11be_EHT160	6 505	18.00	-1.96	16.04	40.18	5 000.00
6G_U-NII-7_SISO 802.11be_EHT160	6 665	18.00	-0.20	17.80	60.26	5 000.00
6G_U-NII-8_SISO 802.11be_EHT160	6 985	18.00	-0.48	17.52	56.49	5 000.00
6G_U-NII-5_MIMO 802.11be_EHT160	6 025	21.00	2.64	23.64	231.21	5 000.00
6G_U-NII-6_MIMO 802.11be_EHT160	6 505	21.00	2.45	23.45	221.31	5 000.00
6G_U-NII-7_MIMO 802.11be_EHT160	6 665	21.00	3.24	24.24	265.46	5 000.00
6G_U-NII-8_MIMO 802.11be_EHT160	6 985	21.00	2.31	23.31	214.29	5 000.00
Radar CW	61 000 ~ 61 500	-3.00	6.00	3.00	2.00	5 000.00

Simultaneous Transmission (Worst configuration)

Mode	Frequency [MHz]	Max Tune-up Power [dBm]	Ant Gain [dBi]	Sum of the MPE ratios	Limit
Bluetooth Low Energy + WLAN 5 GHz (SISO 11a) + WLAN 6 GHz (SISO 11be_EHT160) + Radar CW				0.036 661	1.0

Note.

1. Simultaneous Transmission scenario : Bluetooth Low Energy + 5G WLAN SISO + 6G WLAN SISO
2. Simultaneous transmission of RF Exposure test exclusion for worst case configuration.
 - Bluetooth Low Energy : the ratio is 8.05 / 2 676.42
 - 5G WLAN: the ratio is 95.94 / 4 525.27
 - 6G WLAN : the ratio is 60.26 / 5 000.00
 - Radar CW : the ratio is 7.94 / 5 000.00
 - Bluetooth Low Energy + 5G WLAN + 6G WLAN + Radar CW Ratios:
 $((8.05 / 2\,676.42) + (95.94 / 4\,525.27) + (60.26 / 5\,000.00) + (2.00 / 5\,000.00))$

End of test report