RF EXPOSURE EVALUATION REPORT

FCC ID	: BEJNT-15U50T
Equipment	: Notebook Computer
Brand Name	: LG
Model Name	: 15U50T,15UD50T,15UG50T,15UB50T,15UT50T *(* can be 0 to 9 or A to Z or blank denoting buyer request)
Applicant	: LG Electronics USA, Inc. 111 Sylvan Avenue North Building Englewood Cliffs, NJ 07632 United States
Standard	: 47 CFR Part 2.1093

We, SPORTON INTERNATIONAL INC has been evaluated this product in accordance with 47 CFR Part2.1093 and it complies with applicable limit.

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code: 1190) and the FCC designation No. TW1190 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC evaluation.

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Approved by: Cona Huang / Deputy Manager

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issued Date
FA480505	Rev. 01	Initial issue of report	Sep. 12, 2024

1. Description of Equipment Under Test (EUT)

Product Feature & Specification	
EUT Type	Notebook Computer
Brand Name	LG
Model Name	15U50T,15UD50T,15UG50T,15UB50T,15UT50T *(* can be 0 to 9 or A to Z or blank denoting buyer request)
Integrated Module	Brand Name: Intel® Wi-Fi 6 AX203 Model Name: AX203NGW
FCC ID	BEJNT-15U50T
Wireless Technology and Frequency Range	WLAN 2.4 GHz Band: 2400 MHz ~ 2483.5 MHz WLAN 5.2 GHz Band: 5150 MHz ~ 5250 MHz WLAN 5.3 GHz Band: 5250 MHz ~ 5350 MHz WLAN 5.6 GHz Band: 5470 MHz ~ 5725 MHz WLAN 5.8 GHz Band: 5725 MHz ~ 5850 MHz WLAN 5.9 GHz Band: 5850 MHz ~ 5895 MHz Bluetooth: 2400 MHz ~ 2483.5 MHz
Mode	WLAN: 802.11a/b/g/n/ac/ax HT20/HT40/VHT20/VHT40/VHT80/HE20/HE40/HE80 Bluetooth BR/EDR/LE
EUT Stage	Production Unit

Antenna Information									
High-tek	Ant. Type	PIFA			Pulse	Ant. Type	PIFA		
	Model No.	Main: DQ602401100 (0ACQD024011N) Aux: DQ602401100 (0ACQD024011N)				Model No.	Ant1: DQ602999000 (TQ29990) Ant2: DQ602999000 (TQ29990)		
	Peak Gain (dBi)					Peak Gain (dBi)			
	2400~2483.5MHz	Main:2.19 Aux:2.83	5725~5850MHz	Main:0.15 Aux:0.11		2400~2483.5MHz	Main:2.57 Aux:2.92	5725~5850MHz	Main:1.53 Aux:1.51
	5150~5250MHz	Main:-1 Aux:-1.4	5850~5925MHz	Main:-0.22 Aux:0.11		5150~5250MHz	Main:1.23 Aux:1.32	5850~5925MHz	Main:1.53 Aux:1.78
	5250~5350MHz	Main:-0.15 Aux:-0.51				5250~5350MHz	Main:1.03 Aux:0.76		
	5470~5725MHz	Main:0.15 Aux:0.26				5470~5725MHz	Main:1.9 Aux:0.74		

Reviewed by: Jason Wang

Report Producer: Paula Chen

2. RF average output power among production units

				Aux		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %
Bluetooth	BR / EDR 1Mbps	0	2402	9.00	10.50	77.13
		39	2441	9.70	10.50	
		78	2480	10.40	10.50	
	BR / EDR 2Mbps	0	2402	7.90	10.50	77.13
		39	2441	8.50	10.50	
		78	2480	8.90	10.50	
	BR / EDR 3Mbps	0	2402	7.90	10.50	77.13
		39	2441	8.50	10.50	
		78	2480	8.90	10.50	
	LE 1Mbps	0	2402	5.40	6.00	62.40
		19	2440	5.90	6.00	
		39	2480	5.90	6.00	
	LE 2Mbps	0	2402	5.40	6.00	32.80
		19	2440	5.90	6.00	
		39	2480	6.00	6.00	

				Aux			Main			Aux+Main (Aux)		Aux+Main (Main)		Aux+Main		
	Mode	Channe l	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
2.4GHz WLAN	802.11b 1Mbps	1	2412	19.20	20.00	100.00	19.30	20.00	100.00							
		6	2437	20.70	21.00		20.80	21.00								
		11	2462	19.10	19.50		19.40	20.00								
		12	2467	18.10	18.50		18.40	19.00								
		13	2472	15.90	16.00		14.70	15.00								
	802.11g 6Mbps	1	2412	16.70	17.00	97.76	16.80	17.50	98.12							
		6	2437	20.40	21.00		20.60	21.00								
		11	2462	17.10	17.50		17.40	18.00								
		12	2467	14.60	15.00		15.40	16.00								
		13	2472	11.60	12.00		10.50	11.00								
	802.11n-HT20 MCS0	1	2412	16.60	17.00	98.82	16.80	17.00	98.82	13.50	14.00	13.50	14.00	16.51	17.00	99.37
		6	2437	20.00	20.50		20.10	20.50		17.70	18.00	17.60	18.00	20.66	21.00	
		11	2462	16.40	16.50		16.10	16.50		13.90	14.00	13.90	14.00	16.91	17.00	
		12	2467	14.90	15.00		14.70	15.00		12.90	13.00	12.90	13.00	15.91	16.00	
		13	2472	11.20	11.50		9.50	10.00		8.50	9.00	8.80	9.00	11.66	12.00	
	802.11n-HT40 MCS0	3	2422	16.70	17.50	98.80	16.30	16.50	98.80	13.60	14.00	13.60	14.00	16.61	17.00	99.37
		6	2437	16.50	17.00		16.40	16.50		13.50	14.00	13.60	14.00	16.56	17.00	
		9	2452	16.00	16.50		15.80	16.00		12.90	13.50	13.10	13.50	16.01	16.50	
		10	2457	10.20	10.50		11.20	11.50		9.30	9.50	9.40	9.50	12.36	12.50	
		11	2462	11.10	11.50		10.80	11.50		9.40	10.00	9.60	10.00	12.51	13.00	
	802.11ax-HE20 MCS0	1	2412	16.50	17.00	98.51	16.50	17.00	98.51	15.40	16.00	15.50	16.00	18.46	19.00	98.51
		6	2437	19.40	20.00		19.80	20.50		16.60	17.00	16.70	17.00	19.66	20.00	
		11	2462	15.80	16.50		15.60	16.00		13.70	14.00	13.80	14.00	16.76	17.00	
		12	2467	15.30	15.50		13.80	14.50		12.20	12.50	12.30	12.50	15.26	15.50	
		13	2472	11.00	11.50		10.30	11.00		8.50	9.00	8.90	9.00	11.71	12.00	
	802.11ax-HE40 MCS0	3	2422	16.30	16.50	98.51	16.40	16.50	98.51	13.60	14.00	13.70	14.00	16.66	17.00	98.51
		6	2437	15.70	16.00		15.90	16.00		13.40	14.00	13.70	14.00	16.56	17.00	
		9	2452	15.60	16.00		15.90	16.00		12.40	13.00	12.80	13.00	15.61	16.00	
		10	2457	10.30	11.00		11.90	12.50		9.40	10.00	9.80	10.00	12.61	13.00	
		11	2462	11.00	11.50		10.30	11.00		9.20	9.50	9.30	9.50	12.26	12.50	

				Aux			Main			Aux+Main (Aux)		Aux+Main (Main)		Aux+Main		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.2GHz WLAN	802.11a 6Mbps	36	5180	18.50	19.00	98.50	17.80	18.00	98.11							
		40	5200	21.00	21.50		20.20	21.00								
		44	5220	20.30	21.00		20.40	20.50								
		48	5240	20.20	21.00		20.30	20.50								
	802.11n-HT20 MCS0	36	5180	18.30	19.00	98.84	17.50	18.00	98.81	15.70	16.50	16.00	16.50	18.86	19.50	99.41
		40	5200	20.00	20.50		20.20	20.50		17.40	17.50	17.10	17.50	20.26	20.50	
		44	5220	20.40	21.00		20.20	20.50		17.90	18.00	17.80	18.00	20.86	21.00	
		48	5240	20.70	21.00		20.30	20.50		17.70	18.00	17.90	18.00	20.81	21.00	
	802.11n-HT40 MCS0	38	5190	18.00	18.50	98.80	17.70	18.50	98.81	15.00	15.50	15.00	15.50	18.01	18.50	99.41
		46	5230	20.00	20.50		19.20	20.00		17.00	17.50	17.10	17.50	20.06	20.50	
	802.11ac-VHT20 MCS0	36	5180	18.30	18.50	98.81	17.50	18.00	98.81	15.70	16.00	15.90	16.00	18.81	19.00	98.82
		40	5200	20.40	21.00		20.10	20.50		17.40	17.50	17.10	17.50	20.26	20.50	
		44	5220	20.40	21.00		20.50	21.00		17.80	18.00	17.60	18.00	20.71	21.00	
		48	5240	20.20	21.00		20.30	21.00		17.60	18.00	17.80	18.00	20.71	21.00	
	802.11ac-VHT40 MCS0	38	5190	17.00	17.50	98.81	17.10	17.50	98.81	15.00	15.50	14.90	15.50	17.96	18.50	98.81
		46	5230	20.00	20.50		19.20	19.50		17.30	18.00	17.50	18.00	20.41	21.00	
	802.11ac-VHT80 MCS0	42	5210	17.80	18.00	98.81	17.90	18.50	98.81	15.30	16.00	15.50	16.00	18.41	19.00	98.76
	802.11ax-HE20 MCS0	36	5180	18.00	18.50	99.00	17.40	18.00	98.71	15.50	16.00	15.80	16.00	18.66	19.00	98.71
		40	5200	20.50	21.00		20.20	20.50		17.10	17.50	17.30	17.50	20.21	20.50	
		44	5220	20.50	21.00		20.50	21.00		17.60	18.00	17.70	18.00	20.66	21.00	
		48	5240	20.30	21.00		20.40	21.00		17.80	18.00	17.90	18.00	20.86	21.00	
	802.11ax-HE40 MCS0	38	5190	17.00	17.50	98.48	17.20	17.50	97.74	14.80	15.50	14.90	15.50	17.86	18.50	97.73
		46	5230	20.00	20.50		19.30	19.50		17.20	18.00	17.40	18.00	20.31	21.00	
	802.11ax-HE80 MCS0	42	5210	17.30	17.50	98.48	17.60	18.00	98.11	15.20	16.00	15.30	16.00	18.26	19.00	98.11

				Aux			Main			Aux+Main (Aux)		Aux+Main (Main)		Aux+Main		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.3GHz WLAN	802.11a 6Mbps	52	5260	21.10	21.50	98.50	20.90	21.50	98.11							
		56	5280	21.10	21.50		20.90	21.00								
		60	5300	17.50	18.00		17.20	17.50								
		64	5320	17.50	18.00		17.40	17.50								
	802.11n-HT20 MCS0	52	5260	20.80	21.50	98.84	20.50	21.00	98.81	17.20	17.50	17.20	17.50	20.21	20.50	99.41
		56	5280	20.90	21.50		21.00	21.50		17.50	18.00	17.40	18.00	20.46	21.00	
		60	5300	17.60	18.00		17.50	18.00		13.40	14.00	13.50	14.00	16.46	17.00	
		64	5320	17.70	18.00		17.50	18.00		13.50	14.00	13.20	14.00	16.36	17.00	
	802.11n-HT40 MCS0	54	5270	20.20	20.50	98.80	18.70	19.00	98.11	16.30	17.00	16.30	17.00	19.31	20.00	99.41
		62	5310	16.40	17.00		16.50	17.00		13.10	13.50	13.10	13.50	16.11	16.50	
	802.11ac-VHT20 MCS0	52	5260	20.80	21.00	98.81	20.80	21.00	98.81	17.10	17.50	17.00	17.50	20.06	20.50	98.82
		56	5280	20.90	21.50		20.80	21.00		17.10	18.00	17.30	18.00	20.21	21.00	
		60	5300	17.10	17.50		17.30	17.50		13.30	14.00	13.50	14.00	16.41	17.00	
		64	5320	17.30	17.50		17.00	17.50		13.50	14.00	13.60	14.00	16.56	17.00	
	802.11ac-VHT40 MCS0	54	5270	20.20	20.50	98.81	18.50	19.00	98.81	16.30	17.00	16.50	17.00	19.41	20.00	98.81
		62	5310	16.30	17.00		16.40	16.50		13.10	13.50	12.90	13.50	16.01	16.50	
	802.11ac-VHT80 MCS0	58	5290	17.30	18.00	98.81	17.40	17.50	98.81	13.60	14.00	13.50	14.00	16.56	17.00	98.76
	802.11ax-HE20 MCS0	52	5260	20.70	21.00	99.00	20.60	21.00	98.71	17.10	17.50	17.00	17.50	20.06	20.50	98.71
		56	5280	20.70	21.50		20.70	21.00		17.30	18.00	17.50	18.00	20.41	21.00	
		60	5300	17.40	17.50		17.30	17.50		13.60	14.00	13.40	14.00	16.51	17.00	
		64	5320	17.40	17.50		17.30	17.50		13.60	14.00	13.50	14.00	16.56	17.00	
	802.11ax-HE40 MCS0	54	5270	19.80	20.50	98.48	18.80	19.00	97.74	16.50	17.00	16.40	17.00	19.46	20.00	97.73
		62	5310	16.50	17.00		16.30	16.50		13.00	13.50	12.80	13.50	15.91	16.50	
	802.11ax-HE80 MCS0	58	5290	17.10	17.50	98.48	16.70	17.00	98.11	13.80	14.50	13.70	14.50	16.76	17.50	98.11

				Aux			Main			Aux+Main (Aux)		Aux+Main (Main)		Aux+Main		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.5GHz WLAN	802.11a 6Mbps	100	5500	17.30	17.50	98.50	17.20	18.00	98.11							
		116	5580	17.40	17.50		17.30	18.00								
		124	5620	17.10	17.50		17.40	18.00								
		132	5660	17.10	17.50		17.20	18.00								
		140	5700	18.00	18.50		17.80	18.50								
	802.11n-HT20 MCS0	100	5500	17.50	17.50	98.84	17.40	17.50	98.81	13.70	14.50	14.00	14.50	16.86	17.50	99.41
		116	5580	17.30	17.50		17.30	17.50		14.00	14.50	14.00	14.50	17.01	17.50	
		124	5620	17.40	17.50		17.30	17.50		14.00	14.50	14.00	14.50	17.01	17.50	
		132	5660	17.30	17.50		17.00	17.50		13.90	14.50	13.70	14.50	16.81	17.50	
		140	5700	17.80	18.00		17.60	18.00		14.40	15.00	14.30	15.00	17.36	18.00	
	802.11n-HT40 MCS0	102	5510	17.50	18.00	98.80	17.10	17.50	98.81	14.00	14.50	14.00	14.50	17.01	17.50	99.41
		110	5550	17.40	18.00		17.40	17.50		13.80	14.50	13.90	14.50	16.86	17.50	
		126	5630	17.50	18.00		17.40	17.50		13.80	14.50	13.80	14.50	16.81	17.50	
		134	5670	19.00	19.50		18.70	19.50		17.10	17.50	16.90	17.50	20.01	20.50	
	802.11ac-VHT20 MCS0	100	5500	17.50	18.00	98.81	17.40	17.50	98.81	14.00	14.50	14.00	14.50	17.01	17.50	98.82
		116	5580	17.70	18.00		17.40	17.50		13.90	14.50	13.90	14.50	16.91	17.50	
		124	5620	17.30	18.00		17.20	17.50		14.00	14.50	13.90	14.50	16.96	17.50	
		132	5660	17.70	18.00		17.40	17.50		13.70	14.50	13.60	14.50	16.66	17.50	
		140	5700	17.60	18.00		17.50	18.00		14.30	14.50	14.20	14.50	17.26	17.50	
	802.11ac-VHT40 MCS0	102	5510	17.00	17.50	98.81	16.90	17.50	98.81	13.90	14.00	13.80	14.00	16.86	17.00	98.81
		110	5550	17.00	17.50		16.90	17.50		13.70	14.00	13.80	14.00	16.76	17.00	
		126	5630	17.10	17.50		16.80	17.50		13.80	14.00	13.70	14.00	16.76	17.00	
		134	5670	18.60	19.00		18.60	19.00		16.90	17.00	16.80	17.00	19.86	20.00	
	802.11ac-VHT80 MCS0	106	5530	18.50	19.00	98.81	17.50	18.00	98.81	15.00	15.50	15.10	15.50	18.06	18.50	98.76
		122	5610	19.67	20.00		19.60	20.00		17.30	18.00	17.40	18.00	20.36	21.00	
	802.11ax-HE20 MCS0	100	5500	17.40	18.00	99.00	17.30	17.50	98.71	13.80	14.50	13.70	14.50	16.76	17.50	98.71
		116	5580	17.60	18.00		17.40	17.50		14.00	14.50	14.00	14.50	17.01	17.50	
		124	5620	17.20	18.00		17.10	17.50		14.00	14.50	13.70	14.50	16.86	17.50	
		132	5660	17.60	18.00		17.30	17.50		14.00	14.50	14.00	14.50	17.01	17.50	
		140	5700	17.70	18.00		17.60	18.00		14.00	14.50	14.00	14.50	17.01	17.50	
	802.11ax-HE40 MCS0	102	5510	16.90	17.50	98.48	16.80	17.50	97.74	13.60	14.00	13.90	14.00	16.76	17.00	97.73
		110	5550	17.00	17.50		16.80	17.50		13.80	14.00	13.70	14.00	16.76	17.00	
		126	5630	17.10	17.50		16.90	17.50		13.80	14.00	13.90	14.00	16.86	17.00	
		134	5670	18.70	19.00		18.60	19.00		16.80	17.00	16.70	17.00	19.76	20.00	
	802.11ax-HE80 MCS0	106	5530	17.90	18.00	98.48	17.00	17.50	98.11	14.80	15.00	14.70	15.00	17.76	18.00	98.11
		122	5610	19.50	20.00		19.10	19.50		17.50	18.00	17.20	18.00	20.36	21.00	

				Aux			Main			Aux+Main (Aux)		Aux+Main (Main)		Aux+Main		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.8GHz WLAN	802.11a 6Mbps	149	5745	20.90	21.50	98.50	20.80	21.50	98.11							
		157	5785	21.00	21.50		20.90	21.50								
		165	5825	21.00	21.50		20.90	21.50								
	802.11n-HT20 MCS0	149	5745	20.70	21.00	98.84	20.90	21.50	98.81	17.70	18.50	17.90	18.50	20.81	21.50	99.41
		157	5785	21.00	21.50		21.10	21.50		18.00	18.50	18.00	18.50	21.01	21.50	
		165	5825	20.90	21.50		21.00	21.50		17.90	18.50	18.00	18.50	20.96	21.50	
	802.11n-HT40 MCS0	151	5755	20.60	21.00	98.80	20.60	21.50	98.81	18.10	18.50	17.70	18.50	20.91	21.50	99.41
		159	5795	20.90	21.50		21.00	21.50		18.10	18.50	17.90	18.50	21.01	21.50	
	802.11ac-VHT20 MCS0	149	5745	20.70	21.50	98.81	20.80	21.00	98.81	17.70	18.50	17.70	18.50	20.71	21.50	98.82
		157	5785	20.50	21.00		20.50	21.00		17.80	18.00	17.80	18.00	20.81	21.00	
		165	5825	20.90	21.50		21.00	21.50		17.90	18.00	17.90	18.00	20.91	21.00	
	802.11ac-VHT40 MCS0	151	5755	19.50	20.00	98.81	19.40	20.00	98.81	18.00	18.50	18.00	18.50	21.01	21.50	98.81
		159	5795	20.80	21.50		20.90	21.00		17.70	18.50	18.00	18.50	20.86	21.50	
	802.11ac-VHT80 MCS0	155	5775	18.10	18.50	98.81	17.90	18.50	98.81	16.10	16.50	16.00	16.50	19.06	19.50	98.76
	802.11ax-HE20 MCS0	149	5745	20.90	21.50	99.00	20.60	21.00	98.71	17.90	18.50	17.80	18.50	20.86	21.50	98.71
		157	5785	20.70	21.00		20.70	21.00		17.80	18.00	17.50	18.00	20.66	21.00	
		165	5825	20.80	21.50		20.80	21.50		17.90	18.00	17.50	18.00	20.71	21.00	
	802.11ax-HE40 MCS0	151	5755	19.50	20.00	98.48	19.40	20.00	97.74	18.00	18.50	17.70	18.50	20.86	21.50	97.73
		159	5795	21.10	21.50		20.90	21.00		18.00	18.50	17.60	18.50	20.81	21.50	
	802.11ax-HE80 MCS0	155	5775	18.60	19.00	98.48	17.90	18.50	98.11	15.90	16.50	15.80	16.50	18.86	19.50	98.11

				Aux			Main			Aux+Main (Aux)		Aux+Main (Main)		Aux+Main		
	Mode	Channel	Frequency (MHz)	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Duty Cycle %	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Average power (dBm)	Tune-Up Limit	Duty Cycle %
5.9GHz WLAN UNII 4	802.11a 6Mbps	169	5845	19.20	19.50	98.50	19.00	19.50	98.11							
		173	5865	19.00	19.50		18.90	19.50								
		177	5885	19.20	19.50		19.10	19.50								
	802.11n-HT20 MCS0	169	5845	18.90	19.50	98.84	19.40	19.50	98.81	16.30	16.50	16.20	16.50	19.21	19.50	99.41
		173	5865	19.30	20.00		19.20	19.50		16.40	16.50	16.20	16.50	19.21	19.50	
		177	5885	19.20	19.50		19.20	19.50		16.30	16.50	16.10	16.50	19.21	19.50	
	802.11n-HT40 MCS0	167	5835	20.90	21.00	98.80	20.70	21.00	98.81	19.50	20.00	19.40	20.00	22.46	23.00	99.41
		175	5875	19.80	20.00		19.60	20.50		18.70	19.00	18.30	19.00	21.51	22.00	
	802.11ac-VHT20 MCS0	169	5845	19.30	19.50	98.81	19.40	20.00	98.81	16.20	17.00	16.20	17.00	19.21	20.00	98.82
		173	5865	19.20	19.50		19.20	20.00		16.20	16.50	16.20	16.50	19.21	19.50	
		177	5885	19.20	19.50		19.10	19.50		16.10	16.50	16.00	16.50	19.06	19.50	
	802.11ac-VHT40 MCS0	167	5835	20.90	21.00	98.81	21.00	21.50	98.81	19.70	20.00	19.80	20.00	22.78	23.00	98.81
		175	5875	19.60	20.00		19.50	20.00		18.50	19.00	18.00	19.00	21.13	22.00	
	802.11ac-VHT80 MCS0	171	5855	19.10	19.50	98.81	19.20	19.50	98.81	18.50	19.00	18.50	19.00	21.51	22.00	98.76
	802.11ax-HE20 MCS0	169	5845	19.40	19.50	99.00	19.30	20.00	98.71	16.40	17.00	16.30	17.00	19.36	20.00	98.71
		173	5865	19.10	19.50		19.50	20.00		16.40	16.50	16.20	16.50	19.31	19.50	
		177	5885	19.10	19.50		18.80	19.50		16.30	16.50	16.10	16.50	19.21	19.50	
	802.11ax-HE40 MCS0	167	5835	20.90	21.00	98.48	21.00	21.50	97.74	19.80	20.00	19.80	20.00	22.81	23.00	97.73
		175	5875	19.70	20.00		19.70	20.00		18.60	19.00	18.40	19.00	21.51	22.00	
	802.11ax-HE80 MCS0	171	5855	19.40	20.00	98.48	19.30	19.50	98.11	18.30	19.00	18.30	19.00	21.31	22.00	98.80

3. RF Exposure Evaluation

3.1. Standalone assessment

General Note:

1. The below table, when the distance is < 50 mm exclusion threshold is "Ratio", when the distance is > 50 mm exclusion threshold is "mW"
2. Maximum power is the source-based time-average power and represents the maximum RF output power among production units
3. Per KDB 447498 D01v06, for larger devices, the test separation distance of adjacent edge configuration is determined by the closest separation between the antenna and the user.
4. Per KDB 447498 D01v06, standalone SAR test exclusion threshold is applied; If the test separation distance is < 5mm, 5mm is used to determine SAR exclusion threshold.
5. Per KDB 447498 D01v06, the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at *test separation distances* ≤ 50 mm are determined by:
   [(*max. power of channel, including tune-up tolerance, mW*)/(*min. test separation distance, mm*)] ·[√f(GHz)] ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR
   - f(GHz) is the RF channel transmit frequency in GHz
   - Power and distance are rounded to the nearest mW and mm before calculation
   - The result is rounded to one decimal place for comparison
6. Per KDB 447498 D01v06, at 100 MHz to 6 GHz and for *test separation distances* > 50 mm, the SAR test exclusion threshold is determined according to the following
   a) [Threshold at 50 mm in step 1) + (test separation distance - 50 mm)·(f(MHz)/150)] mW, at 100 MHz to 1500 MHz
   b) [Threshold at 50 mm in step 1) + (test separation distance - 50 mm)·10] mW at > 1500 MHz and ≤ 6 GHz

Exposure Position	Wireless Interface	BT Aux	2.4GHz WLAN Main	2.4GHz WLAN Aux	2.4GHz WLAN Main+ Aux	5GHz WLAN Main	5GHz WLAN Aux	5GHz WLAN Main+ Aux
	Calculated Frequency (MHz)	2480	2472	2472	2472	5885	5885	5885
	Maximum power (dBm)	10.5	21.0	21.0	21.0	21.5	21.5	23.0
	Maximum rated power(mW)	11.22	125.89	125.89	125.89	141.25	141.25	199.53
Bottom of Laptop	Separation distance(mm)	220.3	220.3	220.3	220.3	220.3	220.3	220.3
	exclusion threshold	1799.0	No	1798.0	1798.0	1765.0	1765.0	1765.0
	Testing required?	**No**	**No**	**No**	**No**	**No**	**No**	**No**

3.2. Collocated assessment

General Note:

1. For simultaneous transmission analysis, SAR is estimated per KDB 447498 D01v06.
   i) 0.4 W/kg for 1-g SAR and 1.0 W/kg for 10-g SAR, when the *test separation distances* is > 50 mm.

WLAN Main Estimated 1g SAR W/kg	WLAN Aux Estimated 1g SAR W/kg	BT Aux Estimated 1g SAR W/kg	Σ (SAR) of WLAN + Bluetooth (W/kg)
0.4	0.4	0.4	1.2